Smart Invest Gold

Fastener Business Unit



CATALOG
ORGANE DE ASAMBLARE
si
ELEMENTE DE FIXARE



© www.smart-invest-gold.com

Despre noi

Smart Invest Gold - Fastener Business Unit

Obiectul nostru principal de activitate este importul și distribuția de organe de asamblare și elemente de fixare.

Inca de la inceputul infiintarii in anul 2012, misiunea noastra a fost de a stabili relatii excelente cu furnizorii si ceilalti parteneri.
Ne-am dorit acest lucru deoarece credem ca succesul si prosperitatea pe termen lung a organizatiei depind de calitatea acestor relatii.

Din mai 2013 am inceput demersurile pentru atestarea ISO 9001, iar în luna iulie am obtinut certificatul de management al calitatii. Scopul acestuia a fost de a consolida parteneriatele cu colaboratorii nostri, obtinand astfel un grad ridicat de incredere.

Managementul companiei noastre este constient de faptul ca personalul propriu reprezinta capitalul principal al organizatiei si ca acesta ocupa un rol important in desfasurarea activitatii noastre.
Tocmai de aceea ne concentram inspre a oferi clienţilor nostri o mare siguranţa şi un bun control asupra raportului calitate-pret, prin produse si servicii competitive.

Cea mai mare satisfactie pentru noi este atunci cand clientii revin multumiti. Acest lucru, demonstreaza faptul ca eforturile noastre au fost la nivelul asteptarilor lor, iar misiunea noastra a fost indeplinita cu succes.

About us

Smart Invest Gold - Fastener Business Unit

Smart Invest Gold `s main activity is the import and distribution of fasteners.

Since the beginning, in 2012, our mission was to establish long term relationships with our suppliers and partners. We believe they influence the quality of our services, therefore our success and prosperity.

In May 2013 we succeded in obtaining the ISO 9001 certification, qualification which strengthened our partnerships by obtaining a higher degree of confidence towards our collaborators.

The management of our company strongly believes that the most important element of the organization is the employee itself, being the engine of our activity, focused on offering to our customers competitive services, products and also control on quality – price ratio.

We believe our mission is successfully accomplished when our customers return satisfied with our products and services.

© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

Pe lângă o gama diversificata de produse standardizate, oferim clienților și servicii personalizate în funcție de cerintele lor de achiziție.

Printre produsele standardizate se enumera:
- Suruburi cu filet metric
- Suruburi autoforante si autofiletante
- Piulite
- Saibe
- Stifturi si prezoane
- Nituri si pop-nituri

De asemenea, comercializam produse nestandardizate pe baza de desene tehnice si produse mai rar intalnite pe baza de comenzi ferme.

Ca si produse speciale mentionam urmatorele:
- Suruburi de fundatie
- Suruburi de sudura
- Suruburi pentru senile
- Distantiere
- IP -uri si EN -uri

Tipurile si grupele de material folosite pentru prelucrarea produselor sunt:
- Otel: 4, 5, 6, 8, 10, 12
- Inox: A1, A2, A3, A4, A5
- Alama
- Cupru
- Aluminiu
- Plastic, PVC, Poliamida
- ASTM

In ceea ce privesc serviciile de acoperire si tratament, oferim organe de asamblare cu urmatoarele placari:
- Zincare electrolitica (uzuala)
- Zincare termica (HDG)
- Brunare
- Cromare dura
- Nichelare
- Cuprare
- Argintare

Our standardized range of products include:
- Screws with metric thread
- Drilling and self-tapping screws
- Nuts
- Washers
- Pins and studs
- Rivets

In addition to this wide range, we offer our customers products tailored to their requirements. The non-standardized products could be ordered based on technical drawings.

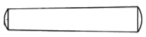
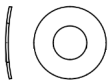
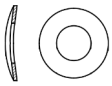
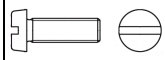
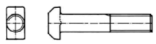
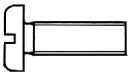
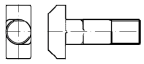
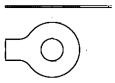
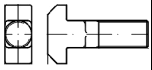
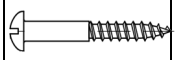
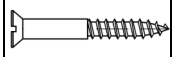
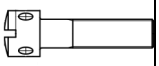
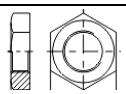
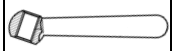
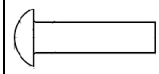
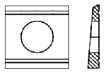
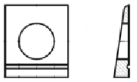
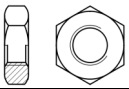
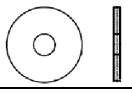
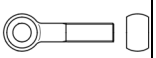
As special products we could mention:
- Foundation bolts
- Weld screws
- Screws for rail
- IP's and EN's

We cover a wide range of types and material groups used to manufacture our products, such as:
- Steel: 4, 5, 6, 8, 10, 12
- Stainless steel: A1, A2, A3, A4, A5
- Brass
- Copper
- Aluminum
- Plastic, PVC, polyamide
- ASTM

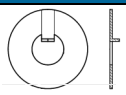
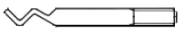
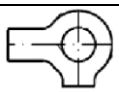
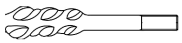
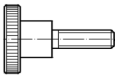
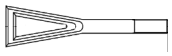
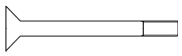
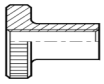
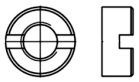
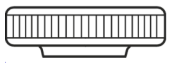
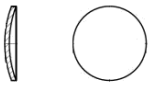
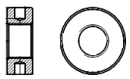
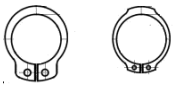
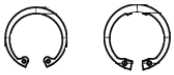
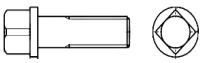
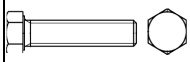
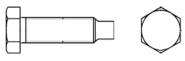
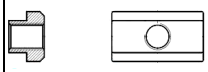
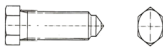
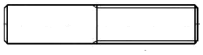
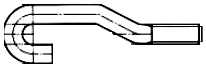
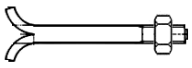
Regarding the coverage and treatment services, we provide fasteners:
- Zinc plated (usual)
- Hot dip galvanized (HDG)
- Black with treatment
- Chrome plated
- Nickeled
- Copper plated
- Silver-plated

©SMART INVEST GOLD SRL

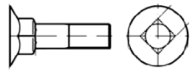
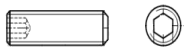
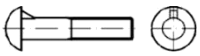
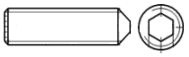
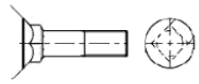
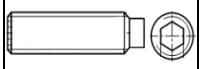
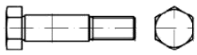
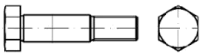
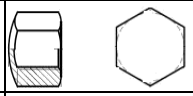
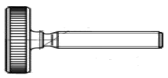
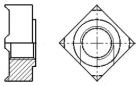
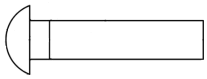
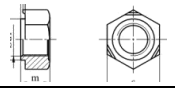
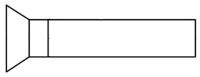
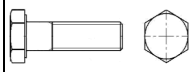
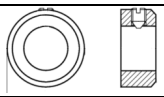
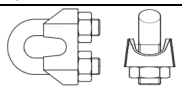
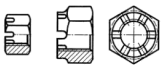
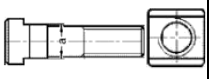
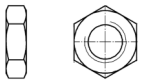
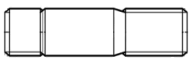
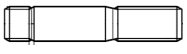
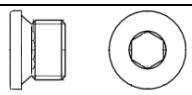
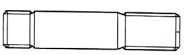
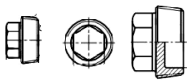
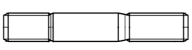
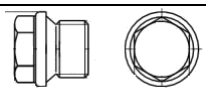
Smart Invest Gold
fastener business unit

DIN	Nume/ Dimensiune Name/Dimension	Cod Code	Desen Sketch	Pagina Page	DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page.
1	Stift conic forma "B"	3.29		153	137A	Saiba elastica	6.7		212
7	Stift paralel	3.26		152	137B	Saiba elastica	6.8		212
84	Surub cu cap cilindric crestat	1.14		41	186	Surub cap T cu gat	1.37		74
85	Surub cu cap bombat crestat	1.15		41	188	Surub cap T cu gat	1.37		74
93	Saiba de siguranta cu limba	6.30		228	261	Surub cap T cu gat	1.37		74
94	Splint	7.1		237	314	Piulita Fluture	5.27		188
95	Surub pentru lemn cu cap semiînecat crestat	2.14		119	315	Piulita Fluture	5.27		188
96	Surub pentru lemn cu cap bombat crestat	2.15		119	316	Surub Fluture	1.41		81
97	Surub pentru lemn cu cap înecat crestat	2.16		119	404	Surub cu cap crestat pentru sigilii	1.44		87
98	Maner forma “E”	7.56		273	431	Piulita pentru tevi	5.3		171
99	Maner forma “N”	7.57		273	432	Saiba cu crestatura exterioara	6.27		225
124	Nit cu cap bombat	7.11		250	433	Saiba plata redusa	6.14		215
125A	Saiba plata standard A1	6.1		209	434	Saiba patrata pentru profil de tip U	6.40		234
125B	Saiba plata standardB1	6.1		209	435	Saiba patrata pentru profil de tip L	6.42		235
126	Saiba plata	6.3		210	436	Saiba patrata pentru lemn	4.41		236
127A	Saiba elastica Grower standard	6.4		210	439	Piulita hexagonala joasa	5.4		172
127B	Saiba elastica Grower standard	6.4		210	440	Saiba plata serie mare pentru lemn	6.10		213
128	Saiba elastica Grower	6.5		211	444	Surub cu ochi	1.43		85

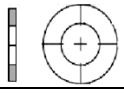
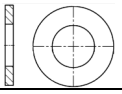
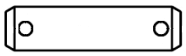
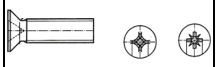
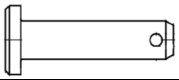
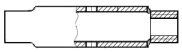
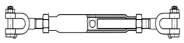
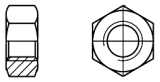
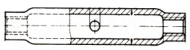
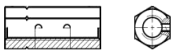
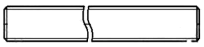
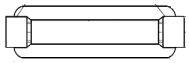
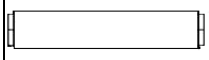
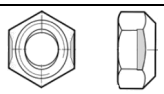
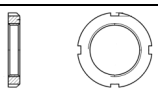
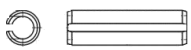
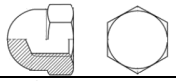
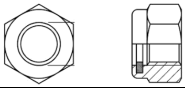
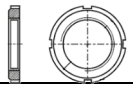
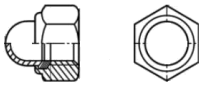
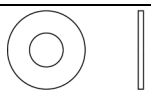
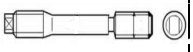
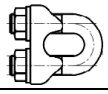
© SMART INVEST GOLD SRL

DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page	DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page.
462	Saiba cu crestatura interioara	6.28		226	529 D	Bulon de fundatie	3.4		135
463	Saiba de siguranta cu limba si aripa	6.29		227	529 E	Bulon de fundatie	3.5		136
464	Surub cap striat, crestat si guler	1.45		89	529 F	Bulon de fundatie	3.6		136
465	Surub cap striat	1.45		89	529 G	Bulon de fundatie	3.7		137
466	Piulita striata inalta	5.36		193	546	Piulita cilindrica cu crestatura	5.37		193
467	Piulita striata	5.36		193	547	Piulita cilindrica cu doua orificii axiale	5.25		187
470	Garnitura de etansare	7.6		247	548	Piulita cilindrica cu orificii de pin fixate in lateral	5.26		187
471	Inel de siguranta pentru arbori	7.4		239	555	Piulita hexagonala	5.1		170
472	Inel de siguranta pentru alezaje	7.5		243	557	Piulita patrata	5.30		190
478	Surub cu cap patrat inalt	1.53		101	558	Surub tip cap hexagonal	1.1		14
479	Surub cap patrat cu gat scurt	1.54		103	561	Surub cu cap hexagonal si varf cilindric	1.36		72
480	Surub cu cap patrat	1.55		105	562	Piulita patrata subtire	5.31		190
508	Piulita T-slot	5.50		200	564	Surub cu cap hexagonal si varf conic	1.36		72
522 C	Saiba Mudguard	6.11		214	571	Holz-surub cu cap hex-agonal	2.17		120
525	Bulon de fundatie	3.8		137	580	Surub de ridicare	1.42		83
529 A	Bulon de fundatie	3.1		137	582	Piulita de ridicare	5.29		189
529 B	Bulon de fundatie	3.2		134	601	Surub tip cap hexagonal	1.1		14
529 C	Bulon de fundatie	3.3		135	603	Surub torbant cu gat patrat si cap bombat	1.28		63

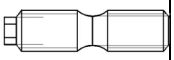
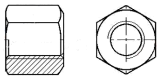
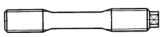
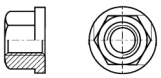
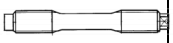
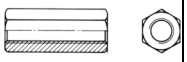
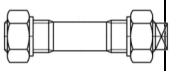
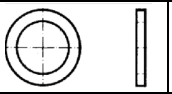
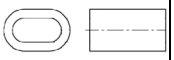
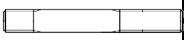
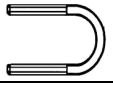
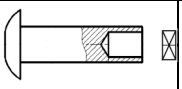
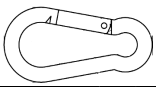
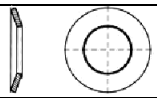
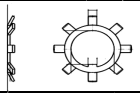
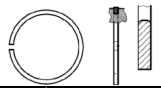
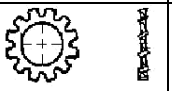
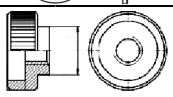
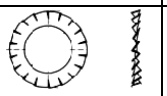
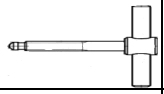
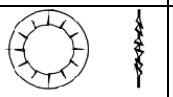
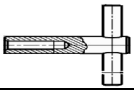
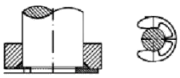
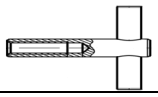
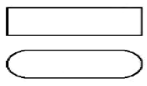
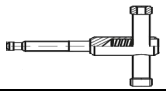
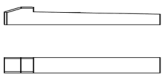
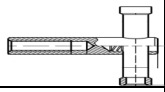
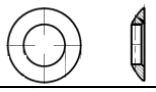
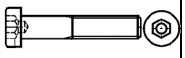
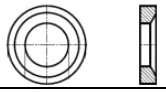
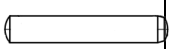
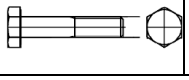
©SMART INVEST GOLD SRL

DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page	DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page.
604	Surub torbant cu cap inecat si nas	1.29		65	912	Surub cap cilindric amprenta imbus	1.3		19
605	Surub torbant cu gat patrat si cap inecat	1.31		67	913	Stift filetat	3.23		150
607	Surub torbant cu cap bombat si nas	1.30		65	914	Stift filetat	3.23		150
608	Surub torbant cu gat patrat si cap inecat	1.32		67	915	Stift filetat locas imbus si cep	3.24		151
609	Surub de pasuire	1.33		69	916	Stift filetat locas imbus si con interior	3.25		151
610	Surub de pasuire	1.34		69	917	Piulita infundata	5.19		182
653	Surub cap striat si guler	1.45		89	928	Piulita de sudura patrata	5.32		191
660	Nit cu cap bombat uzual	7.10		250	929	Piulita de sudura hexagonala	5.33		191
661	Nit cu cap inecat	7.12		251	931	Surub tip cap hexagonal	1.1		14
689	Carlig din otel cu blocare	7.78		286	933	Surub tip cap hexagonal	1.1		14
705 A	Inel de ajustare	7.77		286	934	Piulita hexagonala	5.1		170
741	Brida pentru cabluri	7.87		291	935	Piulita crenelata	5.21		183
787	Surub cap T cu gat	1.39		77	936	Piulita hexagonala joasa	5.4		172
835	Prezon	3.11		141	937	Piulita crenelata joasa	5.22		184
906	Dop filetat pentru teava cu locas hexagonal	7.72		283	938	Prezon	3.10		141
908	Dop cu gat cilindric si locas hexagonal	7.73		284	939	Prezon	3.10		141
909	Dop filetat	7.74		284	940	Prezon	3.12		142
910	Dop filetat	7.75		285	960	Surub tip cap hexagonal	1.2		15

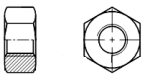
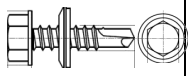
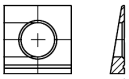
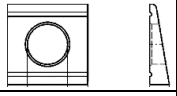
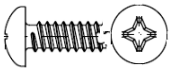
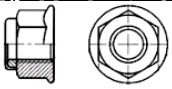
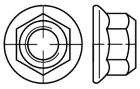
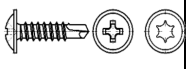
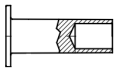
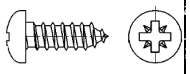
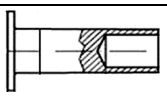
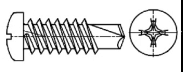
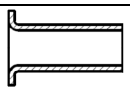
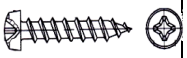
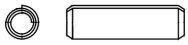
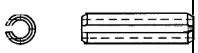
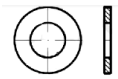
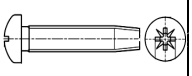
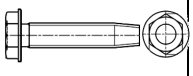
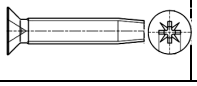
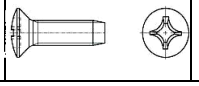
© SMART INVEST GOLD SRL

DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page	DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page.
961	Surub tip cap hexagonal	1.2		15	1440	Saiba pentru bolturi	6.15		216
963	Surub cap inecat crestat	1.11		35	1441	Saiba plata	6.15		216
964	Surub cap oval crestat	1.12		37	1443	Bolt cu gauri pe capete	7.102		300
965	Surub cap inecat amprenta cruce	1.11		35	1444	Bolt cu cap si gaura	7.101		300
966	Surub cap oval amprenta cruce	1.12		37	1478	Piulita intinzator	5.42		196
967	Surub cap bombat si flansa cu amprenta combi	1.10		33	1478	Piulita intinzator cu capete carlig-ochi	5.43		196
971-1	Piulita hexagonala pas fin	5.12		178	1478	Piulita intinzator cu capete prezon-prezon	5.44		197
971-2	Piulita hexagonala pas fin	5.12		178	1479	Piulita intinzator	5.45		197
975	Tija filetata	3.9		140	1480	Piulita intinzator	5.38		194
976	Tija filetata	3.9		140	1480	Piulita intinzator cu capete ochi-ochi	5.39		194
980M	Piulita hexagonala cu autoblocare si insertie metalica	5.9		176	1480	Piulita intinzator cu capete prezon-prezon	5.40		195
980V	Piulita hexagonala cu autoblocare si insertie metalica	5.9		176	1480	Piulita intinzator cu capete carlig-carlig	5.41		195
981	Piulita crenelata antifrecare	5.24		186	1481	Stift elastic serie grea	3.32		155
982	Piulita hexagonala inalta cu autoblocare	5.7		175	1587	Piulita infundata inalta	5.18		181
985	Piulita hexagonala cu autoblocare	5.6		174	1804	Piulita canelata/ cu caneluri	5.23		185
986	Piulita hexagonala infundata cu autoblocare	5.20		182	2093	Arc disc	6.38		233
988	Saiba distantier	6.16		217	2510 L	Prezon forma L	3.17		146
1142	Brida de siguranta pentru cabluri	7.88		291	2510 K	Prezon forma K	3.18		146

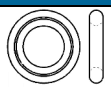
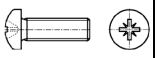
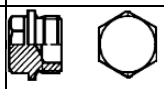
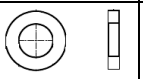
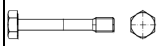
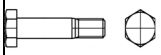
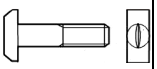
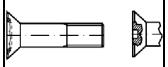
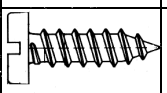
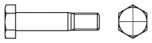
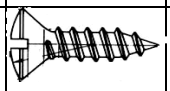
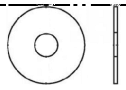
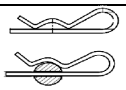
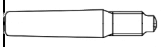
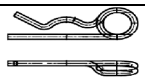
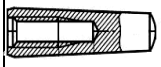
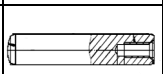
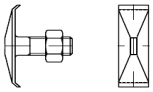
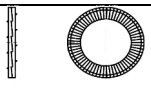
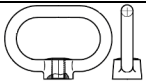
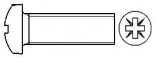
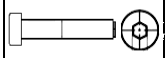
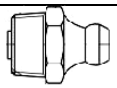
©SMART INVEST GOLD SRL

DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page	DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page.
2510 KU	Prezon forma KU	3.19		146	6330	Piulita hexagonala inalta	5.14		179
2510 Z	Prezon forma Z	3.20		147	6331	Piulita hexagonala cu guler	5.15		180
2510 ZU	Prezon forma ZU	3.21		147	6334	Piulita de cuplare	5.17		181
2510 NF	Piulita hexagonala pentru prezoane	5.13		179	6340	Saiba plata-serie grea	6.13		215
3093	Fixare cablu	7.89		292	6379	Prezon pentru piulite T	3.22		149
3570	Surub forma U	1.40		79	6791	Nit semitubular cu cap semibombat	7.17		253
5299 C	Carabina	7.79		287	6796	Saiba conica tip arc	6.22		220
5406	Saiba de siguranta pentru piulita crenelata	6.25		223	6797 A	Saiba cu dinti	6.23		221
5417	Inel de fixare	7.7		247	6797J	Saiba cu dinti	6.23		221
6303	Piulita cu seratii moletata	5.34		192	6798 A	Saiba cu crestaturi	6.24		222
6304	Surub Tommy	1.46		91	6798 J	Saiba cu crestaturi	6.24		222
6305	Surub Tommy	1.47		91	6799	Siguranta pentru arbori	7.100		299
6305	Piulita Tommy	5.46		198	6885	Pana paralela forma A	7.58		274
6306	Surub Tommy	1.48		93	6887	Pana cu nas	7.59		277
6307	Piulita Tommy	5.47		198	6888	Pana circulara	7.60		277
6319 C	Saiba sferica	6.19		219	6912	Surub cap cilindric redus cu locas hexagonal	1.5		25
6319 D	Saiba conica	6.21		220	6913	Surub de inalta rezistenta	1.22		51
6325	Stift paralel	3.27		152	6914	Surub de inalta rezistenta	1.21		49

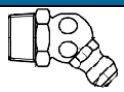
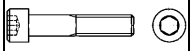
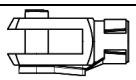
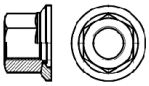
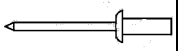
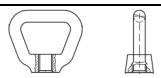
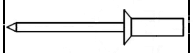
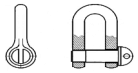
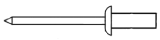
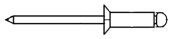
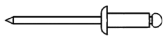
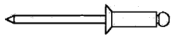
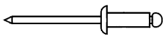
© SMART INVEST GOLD SRL

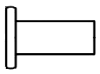
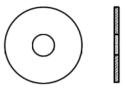
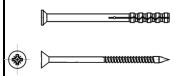
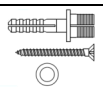
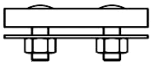
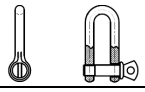
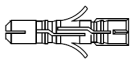
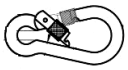
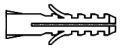
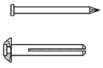
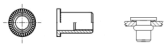
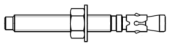
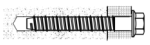
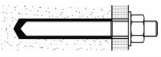
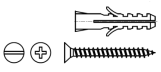
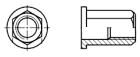
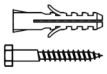
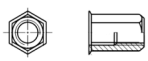
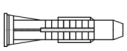
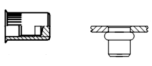
DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page	DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page.
6915	Saiba de inalta rezistenta	1.21		49	7504 K	Surub autoforant cu cap hexagonal	2.1		112
6916	Piulita de inalta rezistenta	1.22		51	7504 K	Surub autoforant cu cap hexagonal	2.2		112
6917	Saiba patrata de inalta rezistenta pentru profil tip I	6.43		235	7504 K	Surub autoforant cu cap hexagonal si filet dublu	2.3		113
6918	Saiba patrata de inalta rezistenta profil tip “U”	6.41		234	7504 K	Surub autoforant cu cap hexagonal si burghiu lung	2.4		113
6921	Surub cu cap hexagonal si flansa	1.16		43	7504 N-H	Surub autoforant cu cap bombat si amprenta cruce	2.5		114
6923	Piulita hexagonala cu flansa cu seratii/ fara seratii	5.11		178	7504 N-T	Surub autoforant cu cap bombat si amprenta TORX	2.6		114
6924	Piulita hexagonala inalta cu autoblocare	5.8		175	7504 P-H	Surub autoforant cu cap inecat si amprenta cruce	2.7		115
6926	Piulita cu autoblocare si flansa	5.10		177	7504 P-T	Surub autoforant cu cap inecat si amprenta TORX	2.8		115
6927	Piulita hexagonala cu flansa si insertie de plastic	5.10		177	7504 T-PH	Surub autoforant cu cap bombat si locas hexalobular(Torx)	2.9		116
7337 B	Nit semitubular cap plat forma B	7.16		253	7505 A-PZ	Surub pal cu cap inecat cu amprenta cruce	2.10		117
7337 A	Nit cu cap plat forma A	7.16		253	7505 A-T	Surub pal cu cap inecat cu amprenta TORX	2.11		117
7340	Nit tubular	7.15		252	7505 B-PZ	Surub pal cu cap bombat cu amprenta cruce	2.12		118
7343	Stift elastic spiralat serie grea	3.34		157	7505 C-PZ	Surub pal cu cap semibombat cu amprenta cruce	2.13		118
7346	Stift crestat serie usoara	3.33		156	7513 A	Surub autofiletant pentru metal cu cap hexagonal	2.37		131
7349	Saiba plata usoara	6.18		218	7513 B	Surub autofiletant pentru metal cu cap cilindric crestat	2.38		131
7500 C	Surub cu cap hexagonal	1.13		39	7516 A	Surub autofiletant pentru metal cu cap cilindric bombat	2.39		133
7500 D	Surub cu cap bombat	1.13		39	7516 D	Surub autofiletant pentru metal cu cap inecat	2.40		133
7500 M	Surub cu cap inecat trilobat	1.13		39	7516 E	Surub autofiletant pentru metal cu cap semiinecat	2.41		133

©SMART INVEST GOLD SRL

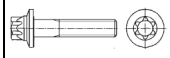
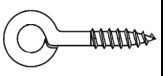
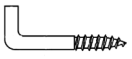
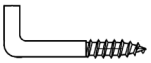
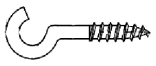
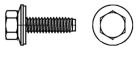
DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page	DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page.
7603	Inel de etansare	7.9		249	7985	Surub cap bombat amprenta cruce	1.9		33
7604	Dop filetat cu filet cilindric	7.76		285	7989	Saiba pentru constructii de otel	6.17		218
7964	Surub de pasuire	1.35		72	7990	Surub cap hexagonal constructii de otel	1.26		59
7967	Contra piulita	5.5		173	7991	Surub cu cap inecat si locas imbus	1.7		29
7968	Surub cap hexagonal pentru constructii metalice	1.25		56	7992	Surub cap T cu gat	1.38		74
7969	Surub cap inecat crestat pentru structuri metalice	1.27		61	7993 A	Inel de siguranta	7.8		248
7971	Surub autofiletant cu cap cilindric crestat	2.27		126	7993 B	Inel de siguranta	7.8		248
7972	Surub autofiletant cu cap inecat, crestat	2.28		126	7999	Surub de inalta rezistenta structuri de otel	1.24		56
7973	Surub autofiletant cu cap semîînecat crestat, forma C	2.29		127	9021	Saiba plata extra larga pentru lemn	6.9		213
7976	Surub de tabla cu cap hexagonal si varf ascutit/plat	2.30		127	11024	Splint (ac de siguranta) forma simpla	7.2		238
7977	Stift conic cu filet exterior	3.31		154	11024	Splint (ac de siguranta) forma dubla	7.3		238
7978	Stift conic cu filet interior	3.30		154	15237	Surub elevator	1.50		97
7979 D	Stift paralel cu filet interior	3.28		153	22424	Surub cu amprenta triunghi	1.56		105
7980	Saiba elastic Grower (arc) pentru suruburi imbus	6.6		211	25193	Surub cap T	1.51		98
7981	Surub cu cap bombat pentru tabla	2.23		124	25201	Saiba Nord-lock	6.39		233
7982	Surub cu cap inecat pentru tabla	2.24		124	28129	Piulita maner	5.49		199
7983	Surub cu cap inecat pentru tabla	2.24		124	34812	Surub cap cilindric bombat poliamida	1.52		99
7984	Surub cap cilindric cu locas hexagonal/ hexalobular	1.6		25	71412 A	Ungator A 180	7.97		298

© SMART INVEST GOLD SRL

DIN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page	ISO	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page.
71412B	Ungator B 45	7.98		298	4762	Surub inch cap cilindric cu amprenta imbus	4.2		159
71412C	Ungator C 90	7.99		299	7379	Surub de reglare	1.49		95
71752	Furci cu clips	7.85		290	7380 1	Surub cap bombat cu locas imbus	1.8		31
74361C	Saiba conica elastica	6.20		219	7380 2	Surub cap bombat si flansa cu locas imbus	1.8		31
74361H	Piulita pentru roata	5.16		180	7380 1T	Surub cap bombat si flansa cu locas Torx	1.8		31
80701	Piulita fluture	5.28		188	15973	Pop-nit	7.31		260
80704	Piulita maner	5.48		199	15974	Pop-nit	7.37		260
82101A	Brida zincata de prindere	7.82		288	15975	Pop-nit	7.32		261
					15976	Pop-nit	7.33		261
					15978	Pop-nit	7.29		259
					15983	Pop-nit	7.21		255
					15984	Pop-nit	7.30		260
					16582	Pop-nit	7.23		256
					-	Pop-nit	7.18-7.55		256-272

AN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page	AN	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page.
78	Nit cu cap cilindric	7.13		251	247	Piulita Jack	5.63		207
81	Saiba de caroserie	6.12		214	250	Diblu cu surub	7.69		282
96	Clema cabluri simpla	7.90		293	266	Diblu cu surub	7.68		281
97	Clema cabluri dubla	7.91		293	289	Diblu metalic	7.66		280
102	Brida INOX de prindere	7.84		289	301	Diblu din plastic	7.61		278
103	Carlig forma S	7.81		288	303K	Dibluri pentru beton	7.65		280
106	Carabina cu piulita	7.80		287	304	Diblu din plastic	7.62		278
131S	Saiba Schnorr inch	4.7		164	306	Cuie	7.71		283
214	Insertie filetata pentru beton	5.65		208	310	Piulita nituibila cu cap cilindric	5.51		201
215	Piulita expandabila	5.64		208	313	Piulita nituibila partial hexagonala cu cap cilindric	5.58		204
217	Ancora standard	7.93		296	314	Piulita nituibila cu cap inecat	5.52		201
228	Ancora cu cap inecat	7.94		296	315	Piulita nituibila cu cap cilindric	5.53		202
233	Ancora pentru beton	7.95		297	318	Piulita nituibila cu cap inecat	5.55		203
236	Ancora chimica	7.96		297	320	Piulita nituibila cu cap inecat	5.54		202
237	Dibluri pentru beton cu surub	7.63		279	322	Piulita nituibila hexagonala cu cap cilindric	5.56		203
238	Dibluri pentru beton cu surub (dibluri cui percutie)	7.64		279	323	Piulita nituibila hexagonala cu cap inecat	5.57		204
244	Diblu metalic	7.70		282	324	Piulita nituibila cu cap cilindric	5.60		205
245	Diblu	7.67		281	325	Piulita nituibila cu cap inecat	5.62		207

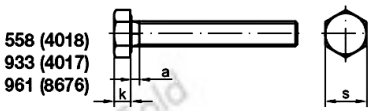
© SMART INVEST GOLD SRL

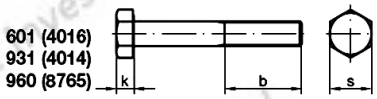
ART	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page.	AN/ ART	Nume/ Dimensiune Name/ Dimension	Cod Code	Desen Sketch	Pagina Page.
88312	Surub autofiletant cap imbus	2.31		128	329	Piulita nituibila partial hexagonala cu cap inecat	5.59		205
88913	Surub verbus ripp	1.19		47	34800	Surub cu element de antrenare hexalobulara si flansa mica	1.18		45
88933	Surub tensilock	1.20		47	34801	Surub cu element de antrenare hexalobulara si flansa mica	1.18		45
					88114	Surub autofiletant cap bombat TORX	2.25		125
					88115	Surub autofiletant cap inecat TORX	2.26		125
					88133	Surub autofiletant cu ochi	2.21		122
					88137	Surub autofiletant forma L	2.19		121
					88139	Surub autofiletant forma cu crestatura	2.20		121
					88140	Surub autofiletant cu carlig	2.22		123
					88141	Surub autofiletant cu carlig	2.22		123
					88149	Prezon din lemn metal	2.18		120
					88176	Surub autofiletant cap hexagonal si flansa	2.32		128
					88200	Surub autofiletant cap bombat TORX pentru plastic	2.33		129
					88202	Surub autofiletant cap bombat si flansa TORX pentru plastic	2.34		129
					88203	Surub autofiletant cap bombat TORX pentru plastic	2.35		130
					88204	Surub autofiletant cap bombat si flansa TORX pentru plastic	2.36		131
					88276	Surub autofiletant cap hexagonal si flansa	2.32		127

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

Surub tip cap hexagonal
1.1 DIN 933 / DIN 558 ; DIN 931 / DIN 601







DIN 933 (STAS 4845; ISO 4017)
Surub cap hexagonal total filetat
(Hexagon head bold fully threaded)



DIN 931 (STAS 4272; ISO 4014; UNI 5737)
Surub cap hexagonal partial filetat
(Hexagon head bold partially threaded)

Dimensiuni	M2	M3	M4	M5	M6	M7	M8	M 10	M12
$S_{DIN / ISO}$	4	5,5	7	8	10	11	13	17/16	19/18
k	1,4	2	2,8	3,5	4	4,8	5,3	6,4	7,5
a_{max}	1,2	1,5	2,1	2,4	3	3	3,75	4,5	5,25
b_1	10	12	14	16	18	20	22	26	30
b_2	-	-	-	22	24	26	28	32	36
b_3	-	-	-	-	-	-	-	45	49
Dimensiuni	**M14**	**M 16**	**M 18**	**M 20**	**M22**	**M24**	**M 27**	**M 30**	**M 33**
$S_{DIN / ISO}$	22/21	24	27	30	32/34	36	41	46	50
k	8,8	10	11,5	12,5	14	15	17	18,7	21
a_{max}	6	6	7,5	7,5	7,5	9	9	10,5	10,5
b_1	34	38	42	46	50	54	60	66	72
b_2	40	44	48	52	56	60	66	72	78
b_3	53	57	61	65	69	73	79	85	91
Dimensiuni	**M36**	**M 39**	**M 42**	**M 45**	**M48**	**M 52**	**M 56**	**M64**	
$S_{DIN / ISO}$	55	60	65	70	75	80	85	95	
k	22,5	25	26	28	30	33	35	40	
a_{max}	12	12	13,5	13,5	15	15	16,5	18	
b_1	78	84	90	96	102	-	-	-	
b_2	84	90	69	102	108	116	124	140	
b_3	97	103	109	115	121	129	137	153	

b_1) l ≤ 125 mm **b_2) 125mm < l ≤ 200 mm** **b_3) l > 200 mm**

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

- DIN 931 cu pas fin se transforma in DIN 960 ;
- DIN 933 cu pas fin se transforma in DIN 961 ;
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

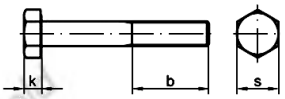
DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
933 ; 558 ; 931 ; 601	Total sau partial filetat	4.6; 4.8; 5.6; 5.8; 6.8; 8.8; 10.9; 12.9	Natur; Brunat; Zincat electrolitic; Zincat termic(HDG)	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

Surub tip cap hexagonal
1.2 DIN 960 / DIN 961

601 (4016)
931 (4014)
960 (8765)

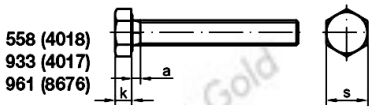




DIN 960 (STAS 4272; ISO 4010; UNI 5738)
Surub cap hexagonal cu pas fin
(Hexagon head bold with fine thread)

d		M8x1	M10x1	M12x1.25	M14x1.5	M16x1.5	M18x2	M20x1.5	M22x2
		-	M10x1.25	M12x1.5	-	-	M18x1.5	M20x2	M22x1.5
bmin	l≤125	22	26	30	34	38	42	42	50
	125<l≤200	28	32	36	40	44	48	48	56
	l≥200	41	45	49	53	57	61	61	69
k		5.3	6.4	7.5	8.8	10	11.5	11.5	14
snom		13	17	19	22	24	27	27	32
d		M24x2	M27x2	M30x2	M33x2	M36x3	M39x3	M42x3	M45x3
		M24x1.5	-	-	-	-	-	-	-
bmin	l≤125	54	60	66	72	78	84	90	96
	125<l≤200	60	66	72	78	84	90	96	103
	l≥200	73	79	85	91	97	103	109	115
k		15	17	18.7	21	22.5	25	26	28
snom		36	41	46	50	55	60	65	70
d		M48x3	M52x3	M56x4	M60x4	M64x4			
		-	-	-	-	-			
bmin	l≤125	102	-	-	-	-			
	125<l≤200	108	116	124	132	140			
	l≥200	121	129	137	145	153			
k		30	33	35	38	40			
snom		75	80	85	90	95			

558 (4018)
933 (4017)
961 (8676)





961 (STAS 4845; ISO 8676; UNI 5740)
Surub cap hexagonal cu pas fin
(Hexagon head bold with fine thread)

d	M8x1	M10x1.25	M12x1.25	M14x1.5	M16x1.5	M18x2	M20x1.5	M22x2
	-	M10x1.25	M12x1.5	-	-	M18x1.5	M20x2	M22x1.5
k	5.3	6.4	7.5	8.8	10	11.5	12.5	14
snom	13	17	19	22	24	27	30	32
d	M24x2	M27x2	M30x2	M33x2	M36x3	M39x3		
	M24x1.5	-	-	-	-	-		
k	15	17	18.7	21	22.5	25		
snom	36	41	46	50	55	60		

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

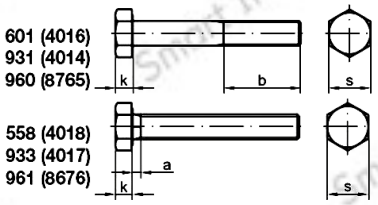
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
960 / 961	Total sau partial filetat	4.6; 4.8; 5.6; 5.8; 6.8; 8.8; 10.9; 12.9	Natur; Brunat; Zincat electrolitic; Zincat termic(HDG)	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

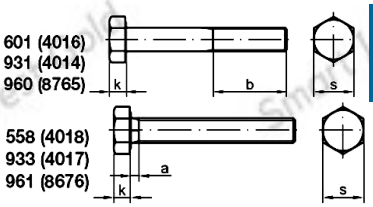


Suruburi tip cap hexagonal
DIN 601 / DIN 931 / DIN 960 / DIN 558 / DIN 933 / DIN 961

M2x04	M5x70	M10x60	M12x165	M16x40	M18x110	M20x80	M22x50	M22x275
M2x05	M5x75	M10x65	M12x170	M16x45	M18x115	M20x85	M22x55	M22x280
M2x06	M5x80	M10x70	M12x175	M16x50	M18x120	M20x90	M22x60	M22x285
M2x08	M6x20	M10x80	M12x180	M16x55	M18x125	M20x95	M22x65	M22x290
M2x10	M6x25	M10x90	M12x185	M16x60	M18x130	M20x100	M22x70	M22x295
M2x12	M6x30	M10x100	M12x190	M16x65	M18x135	M20x105	M22x75	M22x300
M2x14	M6x35	M10x110	M12x195	M16x70	M18x140	M20x110	M22x80	M24x50
M2x16	M6x40	M10x120	M12x200	M16x75	M18x145	M20x115	M22x85	M24x55
M2x18	M6x45	M10x130	M14x30	M16x80	M18x150	M20x120	M22x90	M24x60
M2x20	M6x50	M10x140	M14x35	M16x85	M18x155	M20x125	M22x95	M24x65
M3x04	M6x55	M10x150	M14x40	M16x90	M18x160	M20x130	M22x100	M24x70
M3x05	M6x60	M10x160	M14x45	M16x95	M18x165	M20x135	M22x105	M24x75
M3x06	M6x65	M10x170	M14x50	M16x100	M18x170	M20x140	M22x110	M24x80
M3x08	M6x70	M10x180	M14x55	M16x105	M18x175	M20x145	M22x115	M24x85
M3x10	M6x75	M10x190	M14x60	M16x110	M18x180	M20x150	M22x120	M24x90
M3x12	M6x80	M10x200	M14x65	M16x115	M18x185	M20x155	M22x125	M24x95
M3x14	M6x85	M10x210	M14x70	M16x120	M18x190	M20x160	M22x130	M24x100
M3x16	M6x90	M10x220	M14x75	M16x125	M18x195	M20x165	M22x135	M24x105
M3x18	M6x95	M12x30	M14x80	M16x130	M18x200	M20x170	M22x140	M24x110
M3x20	M8x35	M12x35	M14x85	M16x135	M18x205	M20x175	M22x145	M24x115
M3x22	M8x40	M12x40	M14x90	M16x140	M18x210	M20x180	M22x150	M24x120
M3x25	M8x45	M12x45	M14x95	M16x145	M18x215	M20x185	M22x155	M24x125
M3x28	M8x50	M12x50	M14x100	M16x150	M18x220	M20x190	M22x160	M24x130
M3x30	M8x55	M12x55	M14x105	M16x155	M18x225	M20x195	M22x165	M24x135
M3x35	M8x60	M12x60	M14x110	M16x160	M18x230	M20x200	M22x170	M24x140
M3x38	M8x65	M12x65	M14x115	M16x165	M18x235	M20x205	M22x175	M24x145
M3x40	M8x70	M12x70	M14x120	M16x170	M18x240	M20x210	M22x180	M24x150
M3x45	M8x80	M12x75	M14x125	M16x175	M18x245	M20x215	M22x185	M24x155
M3x50	M8x90	M12x80	M14x130	M16x180	M18x250	M20x220	M22x190	M24x160
M4x20	M8x100	M12x85	M14x135	M16x185	M18x255	M20x225	M22x195	M24x165
M4x25	M8x110	M12x90	M14x140	M16x190	M18x260	M20x230	M22x200	M24x170
M4x30	M8x120	M12x95	M14x145	M16x195	M18x265	M20x235	M22x205	M24x175
M4x35	M8x130	M12x100	M14x150	M16x200	M18x270	M20x240	M22x210	M24x180
M4x40	M8x140	M12x105	M14x155	M18x50	M18x275	M20x245	M22x215	M24x185
M4x45	M8x150	M12x110	M14x160	M18x55	M18x280	M20x250	M22x220	M24x190
M4x50	M8x160	M12x115	M14x165	M18x60	M18x285	M20x255	M22x225	M24x195
M5x25	M8x170	M12x120	M14x170	M18x65	M18x290	M20x260	M22x230	M24x200
M5x30	M8x180	M12x125	M14x175	M18x70	M18x295	M20x265	M22x235	M24x205
M5x35	M8x190	M12x130	M14x180	M18x75	M18x300	M20x270	M22x240	M24x210
M5x40	M8x200	M12x135	M14x185	M18x80	M20x50	M20x275	M22x245	M24x215
M5x45	M10x35	M12x140	M14x190	M18x85	M20x55	M20x280	M22x250	M24x220
M5x50	M10x40	M12x145	M14x195	M18x90	M20x60	M20x285	M22x255	M24x225
M5x55	M10x45	M12x150	M14x200	M18x95	M20x65	M20x290	M22x260	M24x230
M5x60	M10x50	M12x155	M16x30	M18x100	M20x70	M20x295	M22x265	M24x235
M5x65	M10x55	M12x160	M16x35	M18x105	M20x75	M20x300	M22x270	M24x240

Sales : +40 772 223 14
Phones: +40 364 737 950 / +40 770 327 293
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

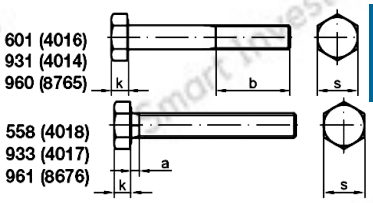


Suruburi tip cap hexagonal
DIN 601 / DIN 931 / DIN 960/ DIN 558 / DIN 933 / DIN 961

M24x245	M27x215	M30x215	M33x115	M33x340	M36x240	M39x140	M39x365	M42x265
M24x250	M27x220	M30x220	M33x120	M33x345	M36x245	M39x145	M39x370	M42x270
M24x255	M27x225	M30x225	M33x125	M33x350	M36x250	M39x150	M39x375	M42x275
M24x260	M27x230	M30x230	M33x130	M33x355	M36x255	M39x155	M39x380	M42x280
M24x265	M27x235	M30x235	M33x135	M33x360	M36x260	M39x160	M39x385	M42x285
M24x270	M27x240	M30x240	M33x140	M33x365	M36x265	M39x165	M39x390	M42x290
M24x275	M27x245	M30x245	M33x145	M33x370	M36x270	M39x170	M39x395	M42x295
M24x280	M27x250	M30x250	M33x150	M33x375	M36x275	M39x175	M39x400	M42x300
M24x285	M27x255	M30x255	M33x155	M33x380	M36x280	M39x180	M42x80	M42x305
M24x290	M27x260	M30x260	M33x160	M33x385	M36x285	M39x185	M42x85	M42x310
M24x295	M27x265	M30x265	M33x165	M33x390	M36x290	M39x190	M42x90	M42x315
M24x300	M27x270	M30x270	M33x170	M33x395	M36x295	M39x195	M42x95	M42x320
M27x50	M27x275	M30x275	M33x175	M33x400	M36x300	M39x200	M42x100	M42x325
M27x55	M27x280	M30x280	M33x180	M36x80	M36x305	M39x205	M42x105	M42x330
M27x60	M27x285	M30x285	M33x185	M36x85	M36x310	M39x210	M42x110	M42x335
M27x65	M27x290	M30x290	M33x190	M36x90	M36x315	M39x215	M42x115	M42x340
M27x70	M27x295	M30x295	M33x195	M36x95	M36x320	M39x220	M42x120	M42x345
M27x75	M27x300	M30x300	M33x200	M36x100	M36x325	M39x225	M42x125	M42x350
M27x80	M30x80	M30x305	M33x205	M36x105	M36x330	M39x230	M42x130	M42x355
M27x85	M30x85	M30x310	M33x210	M36x110	M36x335	M39x235	M42x135	M42x360
M27x90	M30x90	M30x315	M33x215	M36x115	M36x340	M39x240	M42x140	M42x365
M27x95	M30x95	M30x320	M33x220	M36x120	M36x345	M39x245	M42x145	M42x370
M27x100	M30x100	M30x325	M33x225	M36x125	M36x350	M39x250	M42x150	M42x375
M27x105	M30x105	M30x330	M33x230	M36x130	M36x355	M39x255	M42x155	M42x380
M27x110	M30x110	M30x335	M33x235	M36x135	M36x360	M39x260	M42x160	M42x385
M27x115	M30x115	M30x340	M33x240	M36x140	M36x365	M39x265	M42x165	M42x390
M27x120	M30x120	M30x345	M33x245	M36x145	M36x370	M39x270	M42x170	M42x395
M27x125	M30x125	M30x350	M33x250	M36x150	M36x375	M39x275	M42x175	M42x400
M27x130	M30x130	M30x355	M33x255	M36x155	M36x380	M39x280	M42x180	M45x100
M27x135	M30x135	M30x360	M33x260	M36x160	M36x385	M39x285	M42x185	M45x110
M27x140	M30x140	M30x365	M33x265	M36x165	M36x390	M39x290	M42x190	M45x120
M27x145	M30x145	M30x370	M33x270	M36x170	M36x395	M39x295	M42x195	M45x130
M27x150	M30x150	M30x375	M33x275	M36x175	M36x400	M39x300	M42x200	M45x140
M27x155	M30x155	M30x380	M33x280	M36x180	M39x80	M39x305	M42x205	M45x150
M27x160	M30x160	M30x385	M33x285	M36x185	M39x85	M39x310	M42x210	M45x160
M27x165	M30x165	M30x390	M33x290	M36x190	M39x90	M39x315	M42x215	M45x170
M27x170	M30x170	M30x395	M33x295	M36x195	M39x95	M39x320	M42x220	M45x180
M27x175	M30x175	M30x400	M33x300	M36x200	M39x100	M39x325	M42x225	M45x190
M27x180	M30x180	M33x80	M33x305	M36x205	M39x105	M39x330	M42x230	M45x200
M27x185	M30x185	M33x85	M33x310	M36x210	M39x110	M39x335	M42x235	M45x210
M27x190	M30x190	M33x90	M33x315	M36x215	M39x115	M39x340	M42x240	M45x220
M27x195	M30x195	M33x95	M33x320	M36x220	M39x120	M39x345	M42x245	M45x230
M27x200	M30x200	M33x100	M33x325	M36x225	M39x125	M39x350	M42x250	M45x240
M27x205	M30x205	M33x105	M33x330	M36x230	M39x130	M39x355	M42x255	M45x250
M27x210	M30x210	M33x110	M33x335	M36x235	M39x135	M39x360	M42x260	M45x260

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



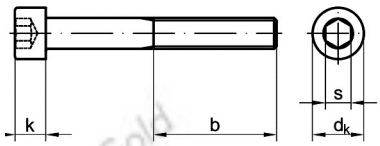
Suruburi tip cap hexagonal
DIN 601 / DIN 931 / DIN 960 / DIN 558 / DIN 933 / DIN 961

M45x270	M45x440	M48x200	M48x370	M52x130	M52x300	M52x470	M64x230	M64x400
M45x280	M45x450	M48x210	M48x380	M52x140	M52x310	M52x480	M64x240	M64x410
M45x290	M45x460	M48x220	M48x390	M52x150	M52x320	M52x490	M64x250	M64x420
M45x300	M45x470	M48x230	M48x400	M52x160	M52x330	M52x500	M64x260	M64x430
M45x310	M45x480	M48x240	M48x410	M52x170	M52x340	M64x100	M64x270	M64x440
M45x320	M45x490	M48x250	M48x420	M52x180	M52x350	M64x110	M64x280	M64x450
M45x330	M45x500	M48x260	M48x430	M52x190	M52x360	M64x120	M64x290	M64x460
M45x340	M48x100	M48x270	M48x440	M52x200	M52x370	M64x130	M64x300	M64x470
M45x350	M48x110	M48x280	M48x450	M52x210	M52x380	M64x140	M64x310	M64x480
M45x360	M48x120	M48x290	M48x460	M52x220	M52x390	M64x150	M64x320	M64x490
M45x370	M48x130	M48x300	M48x470	M52x230	M52x400	M64x160	M64x330	M64x500
M45x380	M48x140	M48x310	M48x480	M52x240	M52x410	M64x170	M64x340	
M45x390	M48x150	M48x320	M48x490	M52x250	M52x420	M64x180	M64x350	
M45x400	M48x160	M48x330	M48x500	M52x260	M52x430	M64x190	M64x360	
M45x410	M48x170	M48x340	M52x100	M52x270	M52x440	M64x200	M64x370	
M45x420	M48x180	M48x350	M52x110	M52x280	M52x450	M64x210	M64x380	
M45x430	M48x190	M48x360	M52x120	M52x290	M52x460	M64x220	M64x390	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cap cilindric amprenta imbus
1.3 DIN 912





DIN 912 (ISO 4762; STAS 5144; UNI 5931)
Surub cap cilindric amprenta imbus
(Hexagon socket head cap screw)

Dimensiuni	M1,4	M1,6	M2	M2,5	M3	M4	M5	M6	M8	M10
d_k	2,6	3	3,8	4,5	5,5	7	8,5	10	13	16
k	1,4	1,6	2	2,5	3	4	5	6	8	10
s	1,3	1,5	1,5	2	2,5	3	4	5	6	8
b_1	14	15	16	17	18	20	22	24	28	32
Dimensiuni	**M12**	**M14**	**M16**	**M18**	**M20**	**M22**	**M24**	**M27**	**M30**	**M33**
d_k	18	21	24	27	30	33	36	40	45	50
k	12	14	16	18	20	22	24	27	30	33
s	10	12	14	14	17	17	19	19	22	24
b_1	36	40	44	48	52	56	60	66	72	78
Diimensiuni	**M36**	**M39**	**M42**	**M45**	**M52**	**M56**	**M64**	**M72**		
d_k	54	58	63	68	78	84	96	108		
k	36	39	42	45	52	56	64	72		
s	27	27	32	36	36	41	46	55		
b_1	84	90	96	102	116	124	140	156		

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

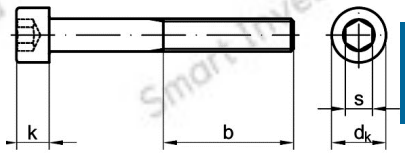
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
912	Total sau partial filetat	8.8; 10.9; 12.9	Natur; Brunat; Zincat electrolitic; Zincat termic(HDG)	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

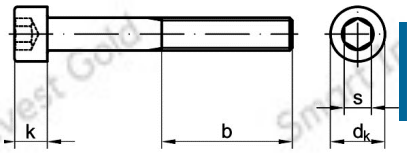


Surub cap cilindric amprenta imbus
DIN 912

M1.6x03	M5x60	M10x50	M12x155	M16x30	M18x100	M20x70	M20x295	M22x265
M1.6x05	M5x65	M10x55	M12x160	M16x35	M18x105	M20x75	M20x300	M22x270
M2x04	M5x70	M10x60	M12x165	M16x40	M18x110	M20x80	M22x50	M22x275
M2x05	M5x75	M10x65	M12x170	M16x45	M18x115	M20x85	M22x55	M22x280
M2x06	M5x80	M10x70	M12x175	M16x50	M18x120	M20x90	M22x60	M22x285
M2x08	M6x20	M10x80	M12x180	M16x55	M18x125	M20x95	M22x65	M22x290
M2x10	M6x25	M10x90	M12x185	M16x60	M18x130	M20x100	M22x70	M22x295
M2x12	M6x30	M10x100	M12x190	M16x65	M18x135	M20x105	M22x75	M22x300
M2x14	M6x35	M10x110	M12x195	M16x70	M18x140	M20x110	M22x80	M24x50
M2x16	M6x40	M10x120	M12x200	M16x75	M18x145	M20x115	M22x85	M24x55
M2x18	M6x45	M10x130	M14x30	M16x80	M18x150	M20x120	M22x90	M24x60
M2x20	M6x50	M10x140	M14x35	M16x85	M18x155	M20x125	M22x95	M24x65
M3x04	M6x55	M10x150	M14x40	M16x90	M18x160	M20x130	M22x100	M24x70
M3x05	M6x60	M10x160	M14x45	M16x95	M18x165	M20x135	M22x105	M24x75
M3x06	M6x65	M10x170	M14x50	M16x100	M18x170	M20x140	M22x110	M24x80
M3x08	M6x70	M10x180	M14x55	M16x105	M18x175	M20x145	M22x115	M24x85
M3x10	M6x75	M10x190	M14x60	M16x110	M18x180	M20x150	M22x120	M24x90
M3x12	M6x80	M10x200	M14x65	M16x115	M18x185	M20x155	M22x125	M24x95
M3x14	M6x85	M10x210	M14x70	M16x120	M18x190	M20x160	M22x130	M24x100
M3x16	M6x90	M10x220	M14x75	M16x125	M18x195	M20x165	M22x135	M24x105
M3x18	M6x95	M12x30	M14x80	M16x130	M18x200	M20x170	M22x140	M24x110
M3x20	M8x35	M12x35	M14x85	M16x135	M18x205	M20x175	M22x145	M24x115
M3x22	M8x40	M12x40	M14x90	M16x140	M18x210	M20x180	M22x150	M24x120
M3x25	M8x45	M12x45	M14x95	M16x145	M18x215	M20x185	M22x155	M24x125
M3x28	M8x50	M12x50	M14x100	M16x150	M18x220	M20x190	M22x160	M24x130
M3x30	M8x55	M12x55	M14x105	M16x155	M18x225	M20x195	M22x165	M24x135
M3x35	M8x60	M12x60	M14x110	M16x160	M18x230	M20x200	M22x170	M24x140
M3x38	M8x65	M12x65	M14x115	M16x165	M18x235	M20x205	M22x175	M24x145
M3x40	M8x70	M12x70	M14x120	M16x170	M18x240	M20x210	M22x180	M24x150
M3x45	M8x80	M12x75	M14x125	M16x175	M18x245	M20x215	M22x185	M24x155
M3x50	M8x90	M12x80	M14x130	M16x180	M18x250	M20x220	M22x190	M24x160
M4x20	M8x100	M12x85	M14x135	M16x185	M18x255	M20x225	M22x195	M24x165
M4x25	M8x110	M12x90	M14x140	M16x190	M18x260	M20x230	M22x200	M24x170
M4x30	M8x120	M12x95	M14x145	M16x195	M18x265	M20x235	M22x205	M24x175
M4x35	M8x130	M12x100	M14x150	M16x200	M18x270	M20x240	M22x210	M24x180
M4x40	M8x140	M12x105	M14x155	M18x50	M18x275	M20x245	M22x215	M24x185
M4x45	M8x150	M12x110	M14x160	M18x55	M18x280	M20x250	M22x220	M24x190
M4x50	M8x160	M12x115	M14x165	M18x60	M18x285	M20x255	M22x225	M24x195
M5x25	M8x170	M12x120	M14x170	M18x65	M18x290	M20x260	M22x230	M24x200
M5x30	M8x180	M12x125	M14x175	M18x70	M18x295	M20x265	M22x235	M24x205
M5x35	M8x190	M12x130	M14x180	M18x75	M18x300	M20x270	M22x240	M24x210
M5x40	M8x200	M12x135	M14x185	M18x80	M20x50	M20x275	M22x245	M24x215
M5x45	M10x35	M12x140	M14x190	M18x85	M20x55	M20x280	M22x250	M24x220
M5x50	M10x40	M12x145	M14x195	M18x90	M20x60	M20x285	M22x255	M24x225
M5x55	M10x45	M12x150	M14x200	M18x95	M20x65	M20x290	M22x260	M24x230

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

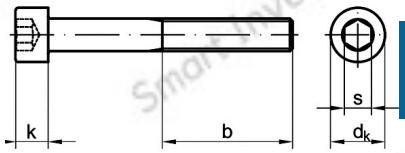


Surub cap cilindric amprenta imbus
DIN 912

M24x235	M27x205	M30x205	M33x105	M33x330	M36x230	M39x130	M39x355	M42x255
M24x240	M27x210	M30x210	M33x110	M33x335	M36x235	M39x135	M39x360	M42x260
M24x245	M27x215	M30x215	M33x115	M33x340	M36x240	M39x140	M39x365	M42x265
M24x250	M27x220	M30x220	M33x120	M33x345	M36x245	M39x145	M39x370	M42x270
M24x255	M27x225	M30x225	M33x125	M33x350	M36x250	M39x150	M39x375	M42x275
M24x260	M27x230	M30x230	M33x130	M33x355	M36x255	M39x155	M39x380	M42x280
M24x265	M27x235	M30x235	M33x135	M33x360	M36x260	M39x160	M39x385	M42x285
M24x270	M27x240	M30x240	M33x140	M33x365	M36x265	M39x165	M39x390	M42x290
M24x275	M27x245	M30x245	M33x145	M33x370	M36x270	M39x170	M39x395	M42x295
M24x280	M27x250	M30x250	M33x150	M33x375	M36x275	M39x175	M39x400	M42x300
M24x285	M27x255	M30x255	M33x155	M33x380	M36x280	M39x180	M42x80	M42x305
M24x290	M27x260	M30x260	M33x160	M33x385	M36x285	M39x185	M42x85	M42x310
M24x295	M27x265	M30x265	M33x165	M33x390	M36x290	M39x190	M42x90	M42x315
M24x300	M27x270	M30x270	M33x170	M33x395	M36x295	M39x195	M42x95	M42x320
M27x50	M27x275	M30x275	M33x175	M33x400	M36x300	M39x200	M42x100	M42x325
M27x55	M27x280	M30x280	M33x180	M36x80	M36x305	M39x205	M42x105	M42x330
M27x60	M27x285	M30x285	M33x185	M36x85	M36x310	M39x210	M42x110	M42x335
M27x65	M27x290	M30x290	M33x190	M36x90	M36x315	M39x215	M42x115	M42x340
M27x70	M27x295	M30x295	M33x195	M36x95	M36x320	M39x220	M42x120	M42x345
M27x75	M27x300	M30x300	M33x200	M36x100	M36x325	M39x225	M42x125	M42x350
M27x80	M30x80	M30x305	M33x205	M36x105	M36x330	M39x230	M42x130	M42x355
M27x85	M30x85	M30x310	M33x210	M36x110	M36x335	M39x235	M42x135	M42x360
M27x90	M30x90	M30x315	M33x215	M36x115	M36x340	M39x240	M42x140	M42x365
M27x95	M30x95	M30x320	M33x220	M36x120	M36x345	M39x245	M42x145	M42x370
M27x100	M30x100	M30x325	M33x225	M36x125	M36x350	M39x250	M42x150	M42x375
M27x105	M30x105	M30x330	M33x230	M36x130	M36x355	M39x255	M42x155	M42x380
M27x110	M30x110	M30x335	M33x235	M36x135	M36x360	M39x260	M42x160	M42x385
M27x115	M30x115	M30x340	M33x240	M36x140	M36x365	M39x265	M42x165	M42x390
M27x120	M30x120	M30x345	M33x245	M36x145	M36x370	M39x270	M42x170	M42x395
M27x125	M30x125	M30x350	M33x250	M36x150	M36x375	M39x275	M42x175	M42x400
M27x130	M30x130	M30x355	M33x255	M36x155	M36x380	M39x280	M42x180	M45x100
M27x135	M30x135	M30x360	M33x260	M36x160	M36x385	M39x285	M42x185	M45x110
M27x140	M30x140	M30x365	M33x265	M36x165	M36x390	M39x290	M42x190	M45x120
M27x145	M30x145	M30x370	M33x270	M36x170	M36x395	M39x295	M42x195	M45x130
M27x150	M30x150	M30x375	M33x275	M36x175	M36x400	M39x300	M42x200	M45x140
M27x155	M30x155	M30x380	M33x280	M36x180	M39x80	M39x305	M42x205	M45x150
M27x160	M30x160	M30x385	M33x285	M36x185	M39x85	M39x310	M42x210	M45x160
M27x165	M30x165	M30x390	M33x290	M36x190	M39x90	M39x315	M42x215	M45x170
M27x170	M30x170	M30x395	M33x295	M36x195	M39x95	M39x320	M42x220	M45x180
M27x175	M30x175	M30x400	M33x300	M36x200	M39x100	M39x325	M42x225	M45x190
M27x180	M30x180	M33x80	M33x305	M36x205	M39x105	M39x330	M42x230	M45x200
M27x185	M30x185	M33x85	M33x310	M36x210	M39x110	M39x335	M42x235	M45x210
M27x190	M30x190	M33x90	M33x315	M36x215	M39x115	M39x340	M42x240	M45x220
M27x195	M30x195	M33x95	M33x320	M36x220	M39x120	M39x345	M42x245	M45x230
M27x200	M30x200	M33x100	M33x325	M36x225	M39x125	M39x350	M42x250	M45x240

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



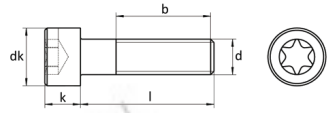
Surub cap cilindric amprenta imbus
DIN 912

M45x250	M45x370	M45x490	M52x200	M52x320	M52x440	M64x150	M64x270	M64x390	M72x100	M72x340
M45x260	M45x380	M45x500	M52x210	M52x330	M52x450	M64x160	M64x280	M64x400	M72x120	M72x360
M45x270	M45x390	M52x100	M52x220	M52x340	M52x460	M64x170	M64x290	M64x410	M72x140	M72x380
M45x280	M45x400	M52x110	M52x230	M52x350	M52x470	M64x180	M64x300	M64x420	M72x160	M72x400
M45x290	M45x410	M52x120	M52x240	M52x360	M52x480	M64x190	M64x310	M64x430	M72x180	M72x420
M45x300	M45x420	M52x130	M52x250	M52x370	M52x490	M64x200	M64x320	M64x440	M72x200	M72x440
M45x310	M45x430	M52x140	M52x260	M52x380	M52x500	M64x210	M64x330	M64x450	M72x220	M72x460
M45x320	M45x440	M52x150	M52x270	M52x390	M64x100	M64x220	M64x340	M64x460	M72x240	M72x480
M45x330	M45x450	M52x160	M52x280	M52x400	M64x110	M64x230	M64x350	M64x470	M72x260	M72x500
M45x340	M45x460	M52x170	M52x290	M52x410	M64x120	M64x240	M64x360	M64x480	M72x280	
M45x350	M45x470	M52x180	M52x300	M52x420	M64x130	M64x250	M64x370	M64x490	M72x300	
M45x360	M45x480	M52x190	M52x310	M52x430	M64x140	M64x260	M64x380	M64x500	M72x320	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cu cap cilindric si amprenta TORX
1.4 ISO 14579





ISO 14579 -Surub cu cap cilindric si amprenta TORX
(Hexalobular sokert head cap screw)

Dimensiuni	M2	M2.5	M3	M4	M5	M6	M8	M10
d_k	3.8	4.5	5.5	7	8.5	10	13	16
k	2	2.5	3	4	5	6	8	10
ISR	T6	T8	T10	T20	T25	T30	T45	T50
b	16	17	18	20	22	24	28	32
Dimensiuni	**M12**	**M14**	**M16**	**M18**	**M20**			
d_k	18	21	24	27	30			
k	12	14	16	18	20			
ISR	T55	T60	T70	T80	T0			
b	36	40	44	48	52			

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

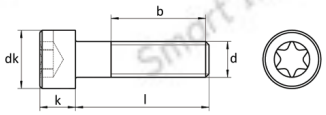
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
ISO 14579	Total sau partial filetat	8.8	Zincat	-

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



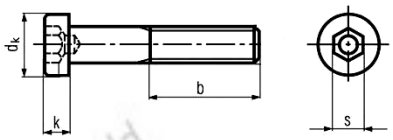
Surub cu cap hexalobular
ISO 14579

M2x04	M4x50	M8x65	M10x200	M12x190	M14x190	M16x190	M18x210	M20x130
M2x05	M5x25	M8x70	M10x210	M12x195	M14x195	M16x195	M18x215	M20x135
M2x06	M5x30	M8x80	M10x220	M12x200	M14x200	M16x200	M18x220	M20x140
M2x08	M5x35	M8x90	M12x30	M14x30	M16x30	M18x50	M18x225	M20x145
M2x10	M5x40	M8x100	M12x35	M14x35	M16x35	M18x55	M18x230	M20x150
M2x12	M5x45	M8x110	M12x40	M14x40	M16x40	M18x60	M18x235	M20x155
M2x14	M5x50	M8x120	M12x45	M14x45	M16x45	M18x65	M18x240	M20x160
M2x16	M5x55	M8x130	M12x50	M14x50	M16x50	M18x70	M18x245	M20x165
M2x18	M5x60	M8x140	M12x55	M14x55	M16x55	M18x75	M18x250	M20x170
M2x20	M5x65	M8x150	M12x60	M14x60	M16x60	M18x80	M18x255	M20x175
M3x04	M5x70	M8x160	M12x65	M14x65	M16x65	M18x85	M18x260	M20x180
M3x05	M5x75	M8x170	M12x70	M14x70	M16x70	M18x90	M18x265	M20x185
M3x06	M5x80	M8x180	M12x75	M14x75	M16x75	M18x95	M18x270	M20x190
M3x08	M6x20	M8x190	M12x80	M14x80	M16x80	M18x100	M18x275	M20x195
M3x10	M6x25	M8x200	M12x85	M14x85	M16x85	M18x105	M18x280	M20x200
M3x12	M6x30	M10x35	M12x90	M14x90	M16x90	M18x110	M18x285	M20x205
M3x14	M6x35	M10x40	M12x95	M14x95	M16x95	M18x115	M18x290	M20x210
M3x16	M6x40	M10x45	M12x100	M14x100	M16x100	M18x120	M18x295	M20x215
M3x18	M6x45	M10x50	M12x105	M14x105	M16x105	M18x125	M18x300	M20x220
M3x20	M6x50	M10x55	M12x110	M14x110	M16x110	M18x130	M20x50	M20x225
M3x22	M6x55	M10x60	M12x115	M14x115	M16x115	M18x135	M20x55	M20x230
M3x25	M6x60	M10x65	M12x120	M14x120	M16x120	M18x140	M20x60	M20x235
M3x28	M6x65	M10x70	M12x125	M14x125	M16x125	M18x145	M20x65	M20x240
M3x30	M6x70	M10x80	M12x130	M14x130	M16x130	M18x150	M20x70	M20x245
M3x35	M6x75	M10x90	M12x135	M14x135	M16x135	M18x155	M20x75	M20x250
M3x38	M6x80	M10x100	M12x140	M14x140	M16x140	M18x160	M20x80	M20x255
M3x40	M6x85	M10x110	M12x145	M14x145	M16x145	M18x165	M20x85	M20x260
M3x45	M6x90	M10x120	M12x150	M14x150	M16x150	M18x170	M20x90	M20x265
M3x50	M6x95	M10x130	M12x155	M14x155	M16x155	M18x175	M20x95	M20x270
M4x20	M8x35	M10x140	M12x160	M14x160	M16x160	M18x180	M20x100	M20x275
M4x25	M8x40	M10x150	M12x165	M14x165	M16x165	M18x185	M20x105	M20x280
M4x30	M8x45	M10x160	M12x170	M14x170	M16x170	M18x190	M20x110	M20x285
M4x35	M8x50	M10x170	M12x175	M14x175	M16x175	M18x195	M20x115	M20x290
M4x40	M8x55	M10x180	M12x180	M14x180	M16x180	M18x200	M20x120	M20x295
M4x45	M8x60	M10x190	M12x185	M14x185	M16x185	M18x205	M20x125	M20x300

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cap cilindric redus cu locas hexagonal
1.5 DIN 6912



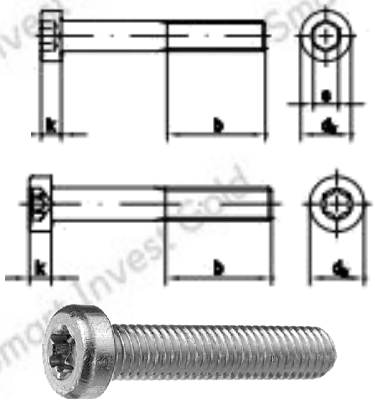


DIN 6912 (STAS 3954)
Surub cap cilindric redus cu locas hexagonal
(Imbus with shallow head)

Dimensiuni	M3	M4	M5	M6	M8	M10	M12	M16
d_k	5.5	7	8.5	10	13	16	18	24
k	2	2.5	3.5	4	5	6	7	9
s	2	2.5	3	4	5	7	8	12
ISR size	T10	T20	T25	T30	T40	T50	-	-
b_1	12	14	16	18	22	26	30	38
b_2	-	-	-	-	28	32	36	44
b_3	-	-	-	-	-	-	-	57
Dimensiuni	**M20**	**M24**						
d_k	30	36						
k	11	13						
s	14	17						
ISR size	-	-						
b_1	46	54						
b_2	52	60						
b_3	65	73						

b_1) l ≤ 125 mm b_2) 125mm < l ≤ 200 mm b_3) l > 200 mm

Surub cap cilindric cu locas hexagonal/ cu locas hexalobular
1.6 DIN 7984



DIN 7984 (ISO 14580)
Surub cap cilindric cu locas hexagonal/ cu locas hexalobular
(Hexalobular socket head cap screw)

Dimensiuni	M3	M4	M5	M6	M8	M10	M12
d_k	5.5	7	8,5	10	13	16	18
k	2	2,5	3,5		5	6	7
s	2	2,5	3	4	5	7	8
ISR size	T10	T20	T25	T30	T40	T50	-
b_1	12	14	16	18	22	26	30
b_2	-	-	-	-	28	32	36
Dimensiuni	**M14**	**M16**	**M20**	**M24**			
d_k	21	24	30	36			
k	8	9	11	13			
s	10	12	14	17			
ISR size	-	-	-	-			
b_1	34	38	46	54			
b_2	40	44	52	60			
b_3	-	57	65	73			

b_1) l ≤ 125 mm b_2) 125mm < l ≤ 200 mm b_3) l > 200 mm

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

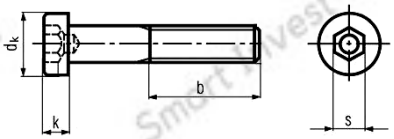
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6912	Total sau partial	8.8; 10.9	Natur; Zincat; Zincat galben	INOX A2; INOX A4
7984	Total sau partial	8.8; 10.9	Natur; Zincat	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

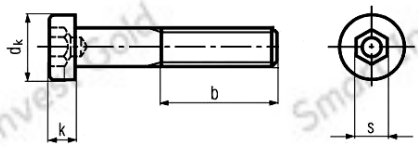


Surub cap cilindric redus cu locas hexagonal
DIN 6912

M4x20	M8x100	M12x85	M14x135	M20x80	M22x50	M22x275	M24x265	M27x235
M4x25	M8x110	M12x90	M14x140	M20x85	M22x55	M22x280	M24x270	M27x240
M4x30	M8x120	M12x95	M14x145	M20x90	M22x60	M22x285	M24x275	M27x245
M4x35	M8x130	M12x100	M14x150	M20x95	M22x65	M22x290	M24x280	M27x250
M4x40	M8x140	M12x105	M14x155	M20x100	M22x70	M22x295	M24x285	M27x255
M4x45	M8x150	M12x110	M14x160	M20x105	M22x75	M22x300	M24x290	M27x260
M4x50	M8x160	M12x115	M14x165	M20x110	M22x80	M24x70	M24x295	M27x265
M5x25	M8x170	M12x120	M14x170	M20x115	M22x85	M24x75	M24x300	M27x270
M5x30	M8x180	M12x125	M14x175	M20x120	M22x90	M24x80	M27x50	M27x275
M5x35	M8x190	M12x130	M14x180	M20x125	M22x95	M24x85	M27x55	M27x280
M5x40	M8x200	M12x135	M14x185	M20x130	M22x100	M24x90	M27x60	M27x285
M5x45	M10x35	M12x140	M14x190	M20x135	M22x105	M24x95	M27x65	M27x290
M5x50	M10x40	M12x145	M14x195	M20x140	M22x110	M24x100	M27x70	M27x295
M5x55	M10x45	M12x150	M14x200	M20x145	M22x115	M24x105	M27x75	M27x300
M5x60	M10x50	M12x155	M16x80	M20x150	M22x120	M24x110	M27x80	M30x80
M5x65	M10x55	M12x160	M16x85	M20x155	M22x125	M24x115	M27x85	M30x85
M5x70	M10x60	M12x165	M16x90	M20x160	M22x130	M24x120	M27x90	M30x90
M5x75	M10x65	M12x170	M16x95	M20x165	M22x135	M24x125	M27x95	M30x95
M5x80	M10x70	M12x175	M16x100	M20x170	M22x140	M24x130	M27x100	M30x100
M6x20	M10x80	M12x180	M16x105	M20x175	M22x145	M24x135	M27x105	M30x105
M6x25	M10x90	M12x185	M16x110	M20x180	M22x150	M24x140	M27x110	M30x110
M6x30	M10x100	M12x190	M16x115	M20x185	M22x155	M24x145	M27x115	M30x115
M6x35	M10x110	M12x195	M16x120	M20x190	M22x160	M24x150	M27x120	M30x120
M6x40	M10x120	M12x200	M16x125	M20x195	M22x165	M24x155	M27x125	M30x125
M6x45	M10x130	M14x30	M16x130	M20x200	M22x170	M24x160	M27x130	M30x130
M6x50	M10x140	M14x35	M16x135	M20x205	M22x175	M24x165	M27x135	M30x135
M6x55	M10x150	M14x40	M16x140	M20x210	M22x180	M24x170	M27x140	M30x140
M6x60	M10x160	M14x45	M16x145	M20x215	M22x185	M24x175	M27x145	M30x145
M6x65	M10x170	M14x50	M16x150	M20x220	M22x190	M24x180	M27x150	M30x150
M6x70	M10x180	M14x55	M16x155	M20x225	M22x195	M24x185	M27x155	M30x155
M6x75	M10x190	M14x60	M16x160	M20x230	M22x200	M24x190	M27x160	M30x160
M6x80	M10x200	M14x65	M16x165	M20x235	M22x205	M24x195	M27x165	M30x165
M6x85	M10x210	M14x70	M16x170	M20x240	M22x210	M24x200	M27x170	M30x170
M6x90	M10x220	M14x75	M16x175	M20x245	M22x215	M24x205	M27x175	M30x175
M6x95	M12x30	M14x80	M16x180	M20x250	M22x220	M24x210	M27x180	M30x180
M8x35	M12x35	M14x85	M16x185	M20x255	M22x225	M24x215	M27x185	M30x185
M8x40	M12x40	M14x90	M16x190	M20x260	M22x230	M24x220	M27x190	M30x190
M8x45	M12x45	M14x95	M16x195	M20x265	M22x235	M24x225	M27x195	M30x195
M8x50	M12x50	M14x100	M16x200	M20x270	M22x240	M24x230	M27x200	M30x200
M8x55	M12x55	M14x105	M20x50	M20x275	M22x245	M24x235	M27x205	M30x205
M8x60	M12x60	M14x110	M20x55	M20x280	M22x250	M24x240	M27x210	M30x210
M8x65	M12x65	M14x115	M20x60	M20x285	M22x255	M24x245	M27x215	M30x215
M8x70	M12x70	M14x120	M20x65	M20x290	M22x260	M24x250	M27x220	M30x220
M8x80	M12x75	M14x125	M20x70	M20x295	M22x265	M24x255	M27x225	M30x225
M8x90	M12x80	M14x130	M20x75	M20x300	M22x270	M24x260	M27x230	M30x230

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

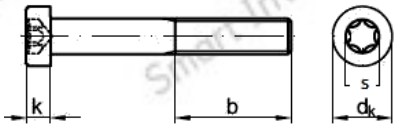


Surub cap cilindric redus cu locas hexagonal
DIN 6912

M30x235	M30x330	M33x100	M33x195	M33x290	M33x385	M36x155	M36x250	M36x345
M30x240	M30x335	M33x105	M33x200	M33x295	M33x390	M36x160	M36x255	M36x350
M30x245	M30x340	M33x110	M33x205	M33x300	M33x395	M36x165	M36x260	M36x355
M30x250	M30x345	M33x115	M33x210	M33x305	M33x400	M36x170	M36x265	M36x360
M30x255	M30x350	M33x120	M33x215	M33x310	M36x80	M36x175	M36x270	M36x365
M30x260	M30x355	M33x125	M33x220	M33x315	M36x85	M36x180	M36x275	M36x370
M30x265	M30x360	M33x130	M33x225	M33x320	M36x90	M36x185	M36x280	M36x375
M30x270	M30x365	M33x135	M33x230	M33x325	M36x95	M36x190	M36x285	M36x380
M30x275	M30x370	M33x140	M33x235	M33x330	M36x100	M36x195	M36x290	M36x385
M30x280	M30x375	M33x145	M33x240	M33x335	M36x105	M36x200	M36x295	M36x390
M30x285	M30x380	M33x150	M33x245	M33x340	M36x110	M36x205	M36x300	M36x395
M30x290	M30x385	M33x155	M33x250	M33x345	M36x115	M36x210	M36x305	M36x400
M30x295	M30x390	M33x160	M33x255	M33x350	M36x120	M36x215	M36x310	
M30x300	M30x395	M33x165	M33x260	M33x355	M36x125	M36x220	M36x315	
M30x305	M30x400	M33x170	M33x265	M33x360	M36x130	M36x225	M36x320	
M30x310	M33x80	M33x175	M33x270	M33x365	M36x135	M36x230	M36x325	
M30x315	M33x85	M33x180	M33x275	M33x370	M36x140	M36x235	M36x330	
M30x320	M33x90	M33x185	M33x280	M33x375	M36x145	M36x240	M36x335	
M30x325	M33x95	M33x190	M33x285	M33x380	M36x150	M36x245	M36x340	

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



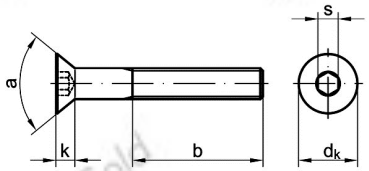
Surub cap cilindric cu locas hexagonal/ cu locas hexalobular DIN 7984

M3x04	M6x95	M12x30	M14x80	M16x180	M18x255	M20x225	M22x195	M24x185
M3x05	M8x35	M12x35	M14x85	M16x185	M18x260	M20x230	M22x200	M24x190
M3x06	M8x40	M12x40	M14x90	M16x190	M18x265	M20x235	M22x205	M24x195
M3x08	M8x45	M12x45	M14x95	M16x195	M18x270	M20x240	M22x210	M24x200
M3x10	M8x50	M12x50	M14x100	M18x50	M18x275	M20x245	M22x215	M24x205
M3x12	M8x55	M12x55	M14x105	M18x55	M18x280	M20x250	M22x220	M24x210
M3x14	M8x60	M12x60	M14x110	M18x60	M18x285	M20x255	M22x225	M24x215
M3x16	M8x65	M12x65	M14x115	M18x65	M18x290	M20x260	M22x230	M24x220
M3x18	M8x70	M12x70	M14x120	M18x70	M18x295	M20x265	M22x235	M24x225
M3x20	M8x80	M12x75	M14x125	M18x75	M18x300	M20x270	M22x240	M24x230
M3x22	M8x90	M12x80	M14x130	M18x80	M20x50	M20x275	M22x245	M24x235
M4x20	M8x100	M12x85	M14x135	M18x85	M20x55	M20x280	M22x250	M24x240
M4x25	M8x110	M12x90	M14x140	M18x90	M20x60	M20x285	M22x255	M24x245
M4x30	M8x120	M12x95	M14x145	M18x95	M20x65	M20x290	M22x260	M24x250
M4x35	M8x130	M12x100	M14x150	M18x100	M20x70	M20x295	M22x265	M24x255
M4x40	M8x140	M12x105	M14x155	M18x105	M20x75	M20x300	M22x270	M24x260
M4x45	M8x150	M12x110	M14x160	M18x110	M20x80	M22x50	M22x275	M24x265
M4x50	M8x160	M12x115	M14x165	M18x115	M20x85	M22x55	M22x280	M24x270
M5x25	M8x170	M12x120	M14x170	M18x120	M20x90	M22x60	M22x285	M24x275
M5x30	M8x180	M12x125	M14x175	M18x125	M20x95	M22x65	M22x290	M24x280
M5x35	M8x190	M12x130	M14x180	M18x130	M20x100	M22x70	M22x295	M24x285
M5x40	M8x200	M12x135	M14x185	M18x135	M20x105	M22x75	M22x300	M24x290
M5x45	M10x35	M12x140	M14x190	M18x140	M20x110	M22x80	M24x70	M24x295
M5x50	M10x40	M12x145	M14x195	M18x145	M20x115	M22x85	M24x75	M24x300
M5x55	M10x45	M12x150	M14x200	M18x150	M20x120	M22x90	M24x80	
M5x60	M10x50	M12x155	M16x80	M18x155	M20x125	M22x95	M24x85	
M5x65	M10x55	M12x160	M16x85	M18x160	M20x130	M22x100	M24x90	
M5x70	M10x60	M12x165	M16x90	M18x165	M20x135	M22x105	M24x95	
M5x75	M10x65	M12x170	M16x95	M18x170	M20x140	M22x110	M24x100	
M5x80	M10x70	M12x175	M16x100	M18x175	M20x145	M22x115	M24x105	
M6x20	M10x80	M12x180	M16x105	M18x180	M20x150	M22x120	M24x110	
M6x25	M10x90	M12x185	M16x110	M18x185	M20x155	M22x125	M24x115	
M6x30	M10x100	M12x190	M16x115	M18x190	M20x160	M22x130	M24x120	
M6x35	M10x110	M12x195	M16x120	M18x195	M20x165	M22x135	M24x125	
M6x40	M10x120	M12x200	M16x125	M18x200	M20x170	M22x140	M24x130	
M6x45	M10x130	M14x30	M16x130	M18x205	M20x175	M22x145	M24x135	
M6x50	M10x140	M14x35	M16x135	M18x210	M20x180	M22x150	M24x140	
M6x55	M10x150	M14x40	M16x140	M18x215	M20x185	M22x155	M24x145	
M6x60	M10x160	M14x45	M16x145	M18x220	M20x190	M22x160	M24x150	
M6x65	M10x170	M14x50	M16x150	M18x225	M20x195	M22x165	M24x155	
M6x70	M10x180	M14x55	M16x155	M18x230	M20x200	M22x170	M24x160	
M6x75	M10x190	M14x60	M16x160	M18x235	M20x205	M22x175	M24x165	
M6x80	M10x200	M14x65	M16x165	M18x240	M20x210	M22x180	M24x170	
M6x85	M10x210	M14x70	M16x170	M18x245	M20x215	M22x185	M24x175	
M6x90	M10x220	M14x75	M16x175	M18x250	M20x220	M22x190	M24x180	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cu cap inecat si locas imbus
1.7 DIN 7991





DIN 7991 (ISO 10642; UNI 5933)
Surub cu cap inecat si locas imbus
(Hexagon socket countersunk head screw)

Dimensiuni	M3	M4	M5	M6	M8	M10
d_k	6,72	8,96	10,2	13,44	17,92	22,4
k_{max}	1,86	2,48	3,1	3,72	4,96	6,2
s	2	2,5	3	4	5	6
a	90	90°	90°	90°	90°	90°
b	18	20	22	24	28	32
Dimensiuni	**M12**	**M14**	**M16**	**M20**	**M22***	**M24***
d_k	26,8	30,88	33,6	40,32	36	39
k_{max}	7.44	8,4	8,8	10,16	13,1	14
s	8	10	10	12	14	14
a	90°	90°	90°	90°	60°	60
b	36	40	44	52	56	60

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

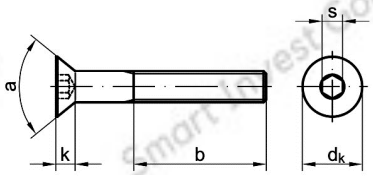
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7991	Total sau partial filetat	8.8; 10.9	Natur; Zincat; Zincat galben	INOX A2; INOX A4

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



Surub cu cap inecat si locas imbus
DIN 7991

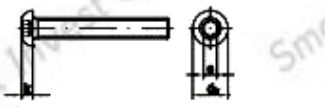
M3x04	M6x55	M10x70	M12x135	M14x145	M20x55	M20x240	M22x170	M24x120
M3x05	M6x60	M10x80	M12x140	M14x150	M20x60	M20x245	M22x175	M24x125
M3x06	M6x65	M10x90	M12x145	M14x155	M20x65	M20x250	M22x180	M24x130
M3x08	M6x70	M10x100	M12x150	M14x160	M20x70	M20x255	M22x185	M24x135
M3x10	M6x75	M10x110	M12x155	M14x165	M20x75	M20x260	M22x190	M24x140
M3x12	M6x80	M10x120	M12x160	M14x170	M20x80	M20x265	M22x195	M24x145
M3x14	M6x85	M10x130	M12x165	M14x175	M20x85	M20x270	M22x200	M24x150
M3x16	M6x90	M10x140	M12x170	M14x180	M20x90	M20x275	M22x205	M24x155
M3x18	M6x95	M10x150	M12x175	M14x185	M20x95	M20x280	M22x210	M24x160
M3x20	M8x35	M10x160	M12x180	M14x190	M20x100	M20x285	M22x215	M24x165
M3x22	M8x40	M10x170	M12x185	M14x195	M20x105	M20x290	M22x220	M24x170
M4x20	M8x45	M10x180	M12x190	M14x200	M20x110	M20x295	M22x225	M24x175
M4x25	M8x50	M10x190	M12x195	M16x80	M20x115	M20x300	M22x230	M24x180
M4x30	M8x55	M10x200	M12x200	M16x85	M20x120	M22x50	M22x235	M24x185
M4x35	M8x60	M10x210	M14x30	M16x90	M20x125	M22x55	M22x240	M24x190
M4x40	M8x65	M10x220	M14x35	M16x95	M20x130	M22x60	M22x245	M24x195
M4x45	M8x70	M12x30	M14x40	M16x100	M20x135	M22x65	M22x250	M24x200
M4x50	M8x80	M12x35	M14x45	M16x105	M20x140	M22x70	M22x255	M24x205
M5x25	M8x90	M12x40	M14x50	M16x110	M20x145	M22x75	M22x260	M24x210
M5x30	M8x100	M12x45	M14x55	M16x115	M20x150	M22x80	M22x265	M24x215
M5x35	M8x110	M12x50	M14x60	M16x120	M20x155	M22x85	M22x270	M24x220
M5x40	M8x120	M12x55	M14x65	M16x125	M20x160	M22x90	M22x275	M24x225
M5x45	M8x130	M12x60	M14x70	M16x130	M20x165	M22x95	M22x280	M24x230
M5x50	M8x140	M12x65	M14x75	M16x135	M20x170	M22x100	M22x285	M24x235
M5x55	M8x150	M12x70	M14x80	M16x140	M20x175	M22x105	M22x290	M24x240
M5x60	M8x160	M12x75	M14x85	M16x145	M20x180	M22x110	M22x295	M24x245
M5x65	M8x170	M12x80	M14x90	M16x150	M20x185	M22x115	M22x300	M24x250
M5x70	M8x180	M12x85	M14x95	M16x155	M20x190	M22x120	M24x70	M24x255
M5x75	M8x190	M12x90	M14x100	M16x160	M20x195	M22x125	M24x75	M24x260
M5x80	M8x200	M12x95	M14x105	M16x165	M20x200	M22x130	M24x80	M24x265
M6x20	M10x35	M12x100	M14x110	M16x170	M20x205	M22x135	M24x85	M24x270
M6x25	M10x40	M12x105	M14x115	M16x175	M20x210	M22x140	M24x90	M24x275
M6x30	M10x45	M12x110	M14x120	M16x180	M20x215	M22x145	M24x95	M24x280
M6x35	M10x50	M12x115	M14x125	M16x185	M20x220	M22x150	M24x100	M24x285
M6x40	M10x55	M12x120	M14x130	M16x190	M20x225	M22x155	M24x105	M24x290
M6x45	M10x60	M12x125	M14x135	M16x195	M20x230	M22x160	M24x110	M24x295
M6x50	M10x65	M12x130	M14x140	M20x50	M20x235	M22x165	M24x115	M24x300

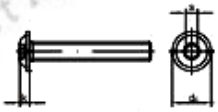
Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cap bombat cu locas imbus
Surub cap bombat si flansa cu locas imbus
Surub cap bombat cu locas Torx
1.8 ISO 7380-1 / ISO7380-2 / ISO 7380-1T

Dimensiuni	M3	M4	M5	M6	M8	M10	M12	M16
d_k	5.7	7.6	9.5	10.5	14	17.5	21	28
d_c	6.9	9.4	11.8	13.6	17.8	21.9	26	-
k	1.65	2.2	2.75	3.3	4.4	5.5	6.6	8.8
s	2	2.5	3	4	5	6	8	10
ISR	T10	T20	T25	T30	T40	T50	T50	-


ISO 7380-1 with hexagon socket


ISO 7380-2 with hexagon socket and collar


ISO 7380-1 with hexalobular socket







ISO 7380-1 -Surub cap bombat cu locas imbus
(Torx socket button head cap screw)

ISO 7380-2 -Surub cap bombat si flansa cu locas imbus
(Torx socket button head screw with flange)

ISO 7380-1T -Surub cap bombat cu locas Torx
(Torx socket button head screw)

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

- Exista si ISO 7380 cu locas hexagonal
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
ISO 7380-1 / ISO 7380-2 / ISO 7380-1T	Total filetat	10.9	Natur; Zincat	INOX A2

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



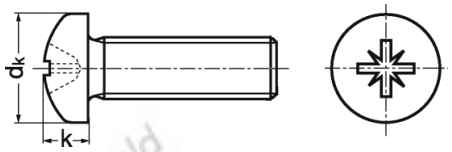
Surub cap bombat cu locas imbus
Surub cap bombat si flansa cu locas imbus
Surub cap bombat si flansa cu locas Torx
ISO 7380-1 / ISO7380-2 / ISO 7380-1T

M3x04	M4x50	M6x40	M8x60	M10x40	M10x180	M12x90	M12x175	M16x135
M3x05	M5x25	M6x45	M8x65	M10x45	M10x190	M12x95	M12x180	M16x140
M3x06	M5x30	M6x50	M8x70	M10x50	M10x200	M12x100	M12x185	M16x145
M3x08	M5x35	M6x55	M8x80	M10x55	M10x210	M12x105	M12x190	M16x150
M3x10	M5x40	M6x60	M8x90	M10x60	M10x220	M12x110	M12x195	M16x155
M3x12	M5x45	M6x65	M8x100	M10x65	M12x30	M12x115	M12x200	M16x160
M3x14	M5x50	M6x70	M8x110	M10x70	M12x35	M12x120	M16x80	M16x165
M3x16	M5x55	M6x75	M8x120	M10x80	M12x40	M12x125	M16x85	M16x170
M3x18	M5x60	M6x80	M8x130	M10x90	M12x45	M12x130	M16x90	M16x175
M3x20	M5x65	M6x85	M8x140	M10x100	M12x50	M12x135	M16x95	M16x180
M3x22	M5x70	M6x90	M8x150	M10x110	M12x55	M12x140	M16x100	M16x185
M4x20	M5x75	M6x95	M8x160	M10x120	M12x60	M12x145	M16x105	M16x190
M4x25	M5x80	M8x35	M8x170	M10x130	M12x65	M12x150	M16x110	M16x195
M4x30	M6x20	M8x40	M8x180	M10x140	M12x70	M12x155	M16x115	
M4x35	M6x25	M8x45	M8x190	M10x150	M12x75	M12x160	M16x120	
M4x40	M6x30	M8x50	M8x200	M10x160	M12x80	M12x165	M16x125	
M4x45	M6x35	M8x55	M10x35	M10x170	M12x85	M12x170	M16x130	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

Surub cap bombat amprenta cruce
1.9 DIN 7985

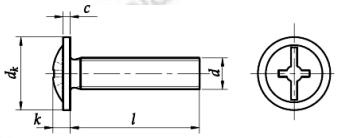


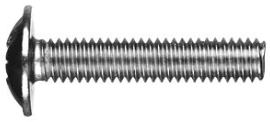
Dimensiuni	M1,6	M2	M2,5	M3	M4	M5	M6	M8	M10
d_k	3,2	4	5	6	8	10	12	16	20
k	1.3	1.6	2	2,4	3,1	3,8	4,6	6	7,5



DIN 7985 (STAS 10295; ISO 7045; UNI 7687;EN 27045) -Şurub cap bombat, amprenta cruce
(Cross recessed pan head screw)

Surub cap bombat si flansa cu amprenta combi
1.10 DIN 967





DIN 967 -Surub cap bombat si flansa cu amprenta combi
(Cross recessed pan head screws with collar)

Dimensiuni		M3	(M3,5)	M4	M5	M6	M8
P		0.5	0,6	0,7	0.8	1	1,25
d_k	max	7,5	9,0	10	11,5	14,5	19,0
	min	6,92	8,42	9,42	10.8	13,8	18.16
k	nom.=max.	2,35	2,6	3,05	3,55	4,55	5,9
	min	2,10	2,35	2,75	3,25	4,25	5.6
c	max	0,8	0.9	1,1	1,35	1.8	2,2
	min	0.6	0,7	0,9	1,05	1.4	1,8
cross recess		1	2	2	2	3	4

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

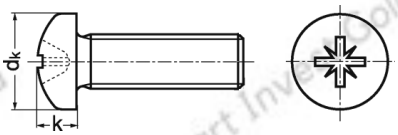
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7985	Total filetat	4.8	Natur; Zincat; Zincat galben; Poliamida	INOX A2, INOX A4
967	Total sau partial filetat	-	Zincat	-

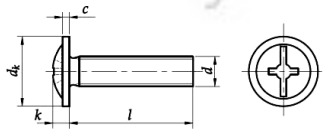
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



Surub cap bombat amprenta cruce
DIN 7985

M1.6x03	M3x04	M4x25	M5x55	M6x50	M8x45	M8x140	M10x60	M10x170
M1.6x05	M3x05	M4x30	M5x60	M6x55	M8x50	M8x150	M10x65	M10x180
M2x04	M3x06	M4x35	M5x65	M6x60	M8x55	M8x160	M10x70	M10x190
M2x05	M3x08	M4x40	M5x70	M6x65	M8x60	M8x170	M10x80	M10x200
M2x06	M3x10	M4x45	M5x75	M6x70	M8x65	M8x180	M10x90	M10x210
M2x08	M3x12	M4x50	M5x80	M6x75	M8x70	M8x190	M10x100	M10x220
M2x10	M3x14	M5x25	M6x20	M6x80	M8x80	M8x200	M10x110	
M2x12	M3x16	M5x30	M6x25	M6x85	M8x90	M10x35	M10x120	
M2x14	M3x18	M5x35	M6x30	M6x90	M8x100	M10x40	M10x130	
M2x16	M3x20	M5x40	M6x35	M6x95	M8x110	M10x45	M10x140	
M2x18	M3x22	M5x45	M6x40	M8x35	M8x120	M10x50	M10x150	
M2x20	M4x20	M5x50	M6x45	M8x40	M8x130	M10x55	M10x160	



Surub cap bombat si flansa cu amprenta combi
DIN 967

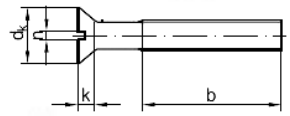
M3x04	M3x20	M3x50	M5x30	M5x75	M6x55	M8x35	M8x90	M8x180
M3x05	M3x22	M4x20	M5x35	M5x80	M6x60	M8x40	M8x100	M8x190
M3x06	M3x25	M4x25	M5x40	M6x20	M6x65	M8x45	M8x110	M8x200
M3x08	M3x28	M4x30	M5x45	M6x25	M6x70	M8x50	M8x120	
M3x10	M3x30	M4x35	M5x50	M6x30	M6x75	M8x55	M8x130	
M3x12	M3x35	M4x40	M5x55	M6x35	M6x80	M8x60	M8x140	
M3x14	M3x38	M4x45	M5x60	M6x40	M6x85	M8x65	M8x150	
M3x16	M3x40	M4x50	M5x65	M6x45	M6x90	M8x70	M8x160	
M3x18	M3x45	M5x25	M5x70	M6x50	M6x95	M8x80	M8x170	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

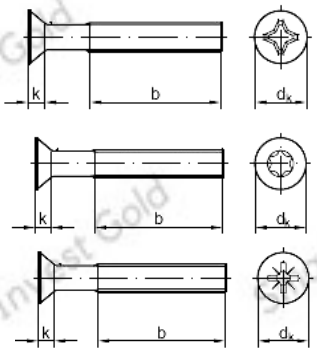
Smart Invest Gold
fastener business unit

Surub cap inecat crestat/ Surub cap inecat amprenta cruce
1.11 DIN 963 / DIN 965

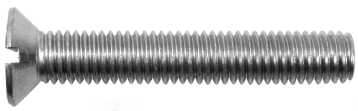
963 (2009)



965 (7046)



Dimensiuni	M1	M1,2	M1,4	M 1 ,6	M1,8	M 2	M2,5	M 3
d_k	1,9	2,3	2,6	3	3,4	3,8	4,7	5,6
k	0,6	0,72	0,84	0,96	1,08	1,2	1,5	1,65
b	-	-	-	15	15	16	18	19
n	0,25	0,3	0,3	0,4	0,4	0,5	0,6	0,8
Dimensiuni	**M4**	**M5**	**M6**	**M8**	**M 10**	**M 12**	**M16**	
d_k	7,5	9,2	11	14,5	18	22	29	
k	2,2	2,5	3	4	5	6	8	
b	22	25	28	34	40	46	58	
n	1	1,2	1,6	2	2,5	3	4	



DIN 963 (ISO 2009/ STAS 2571)
Surub cap inecat crestat
(Slotted countersunk / flat head screw)



DIN 965 (ISO 7046 /STAS 10296)
Surub cap inecat amprenta cruce
(Cross recessed countersunk / flat head screw)

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

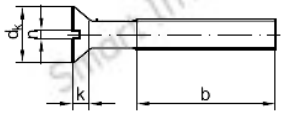
DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
963 ; 965	Total filetat	-	Zincat electrolitic	-

©SMART INVEST GOLD SRL

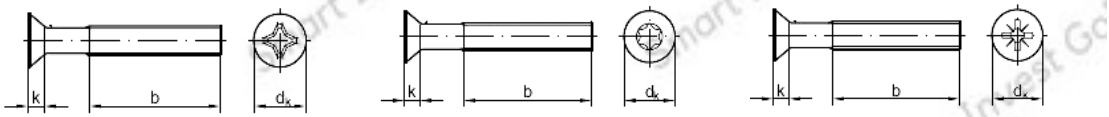
Smart Invest Gold
fastener business unit

Surub cap inecat crestat/ Surub cap inecat amprenta cruce
DIN 963 / DIN 965

963 (2009)



965 (7046)



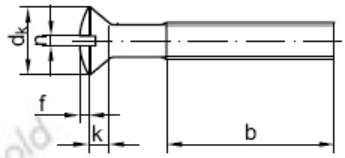
M1.6x03	M3x18	M5x35	M6x70	M8x140	M10x130	M12x80	M12x180	M16x105
M1.6x05	M3x20	M5x40	M6x75	M8x150	M10x140	M12x85	M12x185	M16x110
M2x04	M3x22	M5x45	M6x80	M8x160	M10x150	M12x90	M12x190	M16x115
M2x05	M3x25	M5x50	M6x85	M8x170	M10x160	M12x95	M12x195	M16x120
M2x06	M3x28	M5x55	M6x90	M8x180	M10x170	M12x100	M12x200	M16x125
M2x08	M3x30	M5x60	M6x95	M8x190	M10x180	M12x105	M16x30	M16x130
M2x10	M3x35	M5x65	M8x35	M8x200	M10x190	M12x110	M16x35	M16x135
M2x12	M3x38	M5x70	M8x40	M10x35	M10x200	M12x115	M16x40	M16x140
M2x14	M3x40	M5x75	M8x45	M10x40	M10x210	M12x120	M16x45	M16x145
M2x16	M3x45	M5x80	M8x50	M10x45	M10x220	M12x125	M16x50	M16x150
M2x18	M3x50	M6x20	M8x55	M10x50	M12x30	M12x130	M16x55	M16x155
M2x20	M4x20	M6x25	M8x60	M10x55	M12x35	M12x135	M16x60	M16x160
M3x04	M4x25	M6x30	M8x65	M10x60	M12x40	M12x140	M16x65	M16x165
M3x05	M4x30	M6x35	M8x70	M10x65	M12x45	M12x145	M16x70	M16x170
M3x06	M4x35	M6x40	M8x80	M10x70	M12x50	M12x150	M16x75	M16x175
M3x08	M4x40	M6x45	M8x90	M10x80	M12x55	M12x155	M16x80	M16x180
M3x10	M4x45	M6x50	M8x100	M10x90	M12x60	M12x160	M16x85	M16x185
M3x12	M4x50	M6x55	M8x110	M10x100	M12x65	M12x165	M16x90	M16x190
M3x14	M5x25	M6x60	M8x120	M10x110	M12x70	M12x170	M16x95	M16x195
M3x16	M5x30	M6x65	M8x130	M10x120	M12x75	M12x175	M16x100	M16x200

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

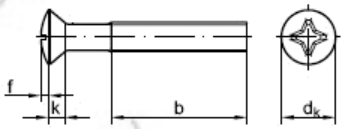
Smart Invest Gold
fastener business unit

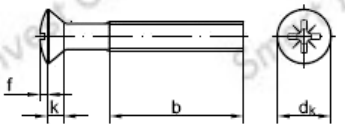
Surub cap oval crestat/ Surub cap oval amprenta cruce
1.12 DIN 964 / DIN 966

964 (2010)



966 (7047)





Dimensiuni	M1	M1,2	M1,4	M1,6	M2	M2,5	M3	M4
d_k	1,9	2,3	2,6	3	3,8	4,7	5,6	7,5
k	0,6	0,72	0,84	0,96	1,2	1,5	1,65	2,2
b	-	-	-	15	16	18	19	22
f	0,25	0,3	0,35	0,4	0,5	0,6	0,75	1
n	0,25	0,3	0,3	0,4	0,5	0,6	0,8	1
Dimensiuni	**M5**	**M6**	**M8**	**M10**				
d_k	9,2	11	14,5	18				
k	2,5	3	4	5				
b	25	28	34	40				
f	1,25	1,5	2	2,5				
n	1,2	1,6	2	2,5				



DIN 964 (ISO 2010 / STAS 3167)
Surub cap oval crestat
(Slotted raised countersunk / oval head screw)



DIN 966 (ISO 7047 /STAS 10294)
Surub cap oval amprenta cruce
(cross recessed raised countersunk / oval head screw)

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

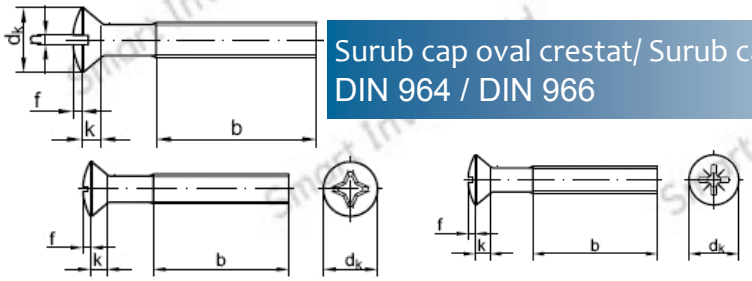
DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
964 ; 966	Total filetat	-	Zincat electrolitic	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

964
(2010)

966
(7047)



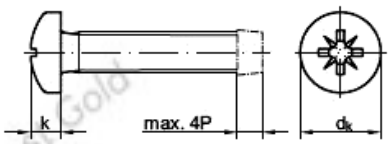
Surub cap oval crestat/ Surub cap oval amprenta cruce
DIN 964 / DIN 966

M1.6x03	M3x05	M3x35	M5x30	M6x30	M6x95	M8x120	M10x55	M10x170
M1.6x05	M3x06	M3x38	M5x35	M6x35	M8x35	M8x130	M10x60	M10x180
M2x04	M3x08	M3x40	M5x40	M6x40	M8x40	M8x140	M10x65	M10x190
M2x05	M3x10	M3x45	M5x45	M6x45	M8x45	M8x150	M10x70	M10x200
M2x06	M3x12	M3x50	M5x50	M6x50	M8x50	M8x160	M10x80	M10x210
M2x08	M3x14	M4x20	M5x55	M6x55	M8x55	M8x170	M10x90	M10x220
M2x10	M3x16	M4x25	M5x60	M6x60	M8x60	M8x180	M10x100	
M2x12	M3x18	M4x30	M5x65	M6x65	M8x65	M8x190	M10x110	
M2x14	M3x20	M4x35	M5x70	M6x70	M8x70	M8x200	M10x120	
M2x16	M3x22	M4x40	M5x75	M6x75	M8x80	M10x35	M10x130	
M2x18	M3x25	M4x45	M5x80	M6x80	M8x90	M10x40	M10x140	
M2x20	M3x28	M4x50	M6x20	M6x85	M8x100	M10x45	M10x150	
M3x04	M3x30	M5x25	M6x25	M6x90	M8x110	M10x50	M10x160	

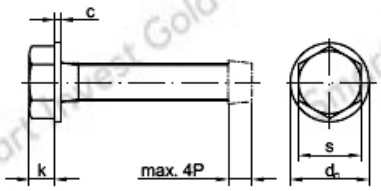
© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

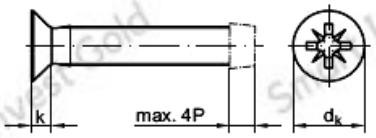
Surub cu cap hexagonal/ bombat/ inecat trilobat
1.13 DIN 7500C / DIN 7500D / DIN 7500M



Dimensiuni (7500C)	M 2	M 2.5	M 3	M 3.5	M 4	M 5	M 6	M8
max. groove section	1.6	1.8	2	2.4	2.8	3.2	4	5
cross recess size	1	1	1	2	2	2	3	4
$d_{k\ max}$	4	5	6	7	8	10	12	16
k_{max}	1.6	2	2.4	2.7	3.1	3.8	4.6	6



Dimensiuni (7500D)	M 4	M 5	M 6	M 8
max. groove section	2.8	3.2	4	5
s	7	8	10	13
d_c	8.1	10.1	12.6	16.4
c	0.55	0.75	0.9	1.2
k	3.1	3.8	4.6	6



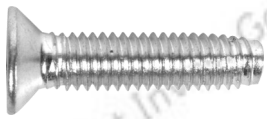
Dimensiuni (7500M)	M 2	M 2.5	M 3	M 3.5	M 4	M 5	M 6	M8
max. groove section	1.6	1.8	2	2.4	2.8	3.2	4	5
cross recess size	1	1	1	2	2	2	3	4
$d_{k\ max}$	3.5	4.7	5.6	6.5	7.5	9.2	11	14.5
k_{max}	1.2	1.5	1.65	1.963	2.2	2.5	3	4



DIN 7500C -Surub cap bombat aprenta cruce
(Pan head thread rolling
screw for metric ISO thread)



DIN 7500D -Surub cap hexagonal trilobat
(Hexagon flange thread rolling
screw for metric ISO thread)



DIN 7500M -Surub cap inecat trilobat
(Countersunk thread rolling
screw for metric ISO thread)

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

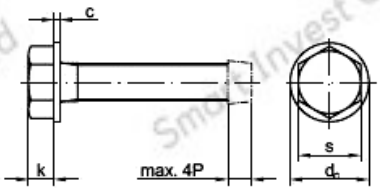
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

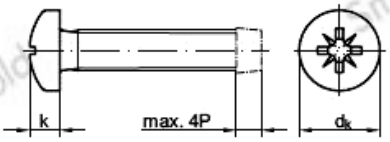
DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7500C ; 7500D ; 7500M	Total filetat	-	Zincat	INOX A2

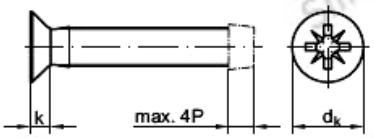
Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
©SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit



Surub cu cap hexagonal/ bombat/ inecat trilobat
DIN 7500C / DIN 7500D / DIN 7500M



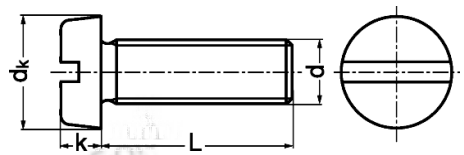


M1.6x03	M2x18	M3x18	M3x50	M5x35	M6x20	M6x70	M8x55	M8x140
M1.6x05	M2x20	M3x20	M4x20	M5x40	M6x25	M6x75	M8x60	M8x150
M2x04	M3x04	M3x22	M4x25	M5x45	M6x30	M6x80	M8x65	M8x160
M2x05	M3x05	M3x25	M4x30	M5x50	M6x35	M6x85	M8x70	M8x170
M2x06	M3x06	M3x28	M4x35	M5x55	M6x40	M6x90	M8x80	M8x180
M2x08	M3x08	M3x30	M4x40	M5x60	M6x45	M6x95	M8x90	M8x190
M2x10	M3x10	M3x35	M4x45	M5x65	M6x50	M8x35	M8x100	M8x200
M2x12	M3x12	M3x38	M4x50	M5x70	M6x55	M8x40	M8x110	
M2x14	M3x14	M3x40	M5x25	M5x75	M6x60	M8x45	M8x120	
M2x16	M3x16	M3x45	M5x30	M5x80	M6x65	M8x50	M8x130	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

Surub cap cilindric crestat
1.14 DIN 84

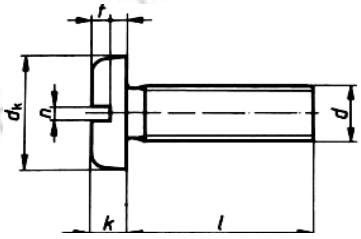


Dimensiuni	M3	M3.5	M4	M5	M6	M8	M10
d_k	5.5	6	7	8.5	10	13	16
k	2	2.4	2.6	3.3	3.9	5	6
L	6-22	6-22	8-25	8-28	10-35	14-40	18-45
L	25-30	25-35	28-40	30-50	40-60	45-80	50-100



DIN 84 (ISO 1207; STAS 3954;UNI 6107)
Surub cap cilindric crestat
(Slotted cheese head screw)

Surub cap bombat crestat
1.15 DIN 85



Dimensiuni	M2	M2.5	M3	M4	M5	M6	M8
d_k	4	5	6	8	10	12	16
k	1.3	1.5	1.8	2.4	3	3.6	4.8
n	0.5	0.6	0.8	1.2	1.1	1.6	2
b	25	25	25	38	38	38	38



DIN 85 (STAS 8423; ISO 1580; UNI 6180)
Surub cap bombat crestat
(Slotted pan head screw)

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

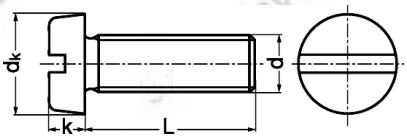
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
84	Total filetat	4.8	Natur; Zincat; Zincat galben;	INOX A2; INOX A4
85	Total filetat	4.8	Zincat electrolitic; Natur; Alama; Poliamida	INOX A2, INOX A4

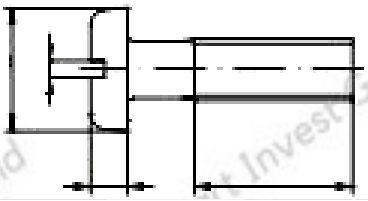
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



Surub cap cilindric crestat DIN 84

M3x04	M3x25	M4x35	M5x60	M6x50	M8x40	M8x120	M10x45	M10x130
M3x05	M3x28	M4x40	M5x65	M6x55	M8x45	M8x130	M10x50	M10x140
M3x06	M3x30	M4x45	M5x70	M6x60	M8x50	M8x140	M10x55	M10x150
M3x08	M3x35	M4x50	M5x75	M6x65	M8x55	M8x150	M10x60	M10x160
M3x10	M3x38	M5x25	M5x80	M6x70	M8x60	M8x160	M10x65	M10x170
M3x12	M3x40	M5x30	M6x20	M6x75	M8x65	M8x170	M10x70	M10x180
M3x14	M3x45	M5x35	M6x25	M6x80	M8x70	M8x180	M10x80	M10x190
M3x16	M3x50	M5x40	M6x30	M6x85	M8x80	M8x190	M10x90	M10x200
M3x18	M4x20	M5x45	M6x35	M6x90	M8x90	M8x200	M10x100	M10x210
M3x20	M4x25	M5x50	M6x40	M6x95	M8x100	M10x35	M10x110	M10x220
M3x22	M4x30	M5x55	M6x45	M8x35	M8x110	M10x40	M10x120	



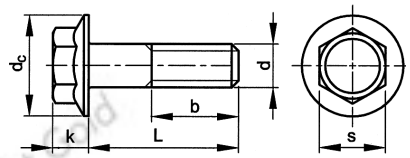
Surub cap bombat crestat DIN 85

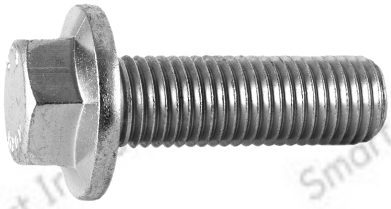
M2x04	M3x04	M3x22	M4x25	M5x45	M6x30	M6x80	M8x65	M8x160
M2x05	M3x05	M3x25	M4x30	M5x50	M6x35	M6x85	M8x70	M8x170
M2x06	M3x06	M3x28	M4x35	M5x55	M6x40	M6x90	M8x80	M8x180
M2x08	M3x08	M3x30	M4x40	M5x60	M6x45	M6x95	M8x90	M8x190
M2x10	M3x10	M3x35	M4x45	M5x65	M6x50	M8x35	M8x100	M8x200
M2x12	M3x12	M3x38	M4x50	M5x70	M6x55	M8x40	M8x110	
M2x14	M3x14	M3x40	M5x25	M5x75	M6x60	M8x45	M8x120	
M2x16	M3x16	M3x45	M5x30	M5x80	M6x65	M8x50	M8x130	
M2x18	M3x18	M3x50	M5x35	M6x20	M6x70	M8x55	M8x140	
M2x20	M3x20	M4x20	M5x40	M6x25	M6x75	M8x60	M8x150	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cap hexagonal si flansa
1.16 DIN 6921



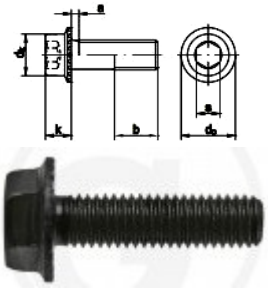


DIN 6921 -Surub cap hexagonal si flansa
partial filetat/ total filetat
(Hexagon flange screw)

d		M5	M6	M8	M10	M12	M14	M18
		-	-	M8x1	M10x1.25	M12x1.5	M14x1.5	M18x1.5
		-	-	-	M10x1	M12x1.25	-	-
P		0.8	1	1.25	1.5	1.75	2	2.5
b_{min}	l≤125	16	18	22	26	30	34	42
	125<l≤200	-	-	28	32	36	10	48
	l≥200	-	-	-	-	-	-	61
d_{cmax}		11.8	14.2	18	22.3	26.6	30.5	38.7
k_{max}		5.4	6.6	8.1	9.2	11.5	12.8	15.4
s_{nom}		8	10	13	15	16	18	24
d		M20	M24					
		M20x1.5	-					
		-	-					
P		2.5	3					
b_{min}	l≤125	46	54					
	125<l≤200	52	60					
	l≥200	65	73					
d_{cmax}		43	51.6					
k_{max}		17.1	20.3					
s_{nom}		27	32					

b_1) l ≤ 125 mm b_2) 125mm < l ≤ 200 mm b_3) l > 200 mm

Suruburi cap hexagonal cu flansa si seratii
1.17 ART. 88912



ART. 88912 -Surub cap hexagonal cu flansa si seratii
(Hexagon socket cap screws with flange and ribs)

Dimenisuni	M5	M6	M8	M10	M12
a_{max}	2.4	3	3.7	4.5	5.2
b	22	14	28	32	36
d_c	11	13.5	17	19.5	22.5
d_k	9	11	14	17	19
k	5	6	8	10	12
s	4	5	6	8	10
qty. ribs	28	36	48	60	72

Informatii utile:

Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

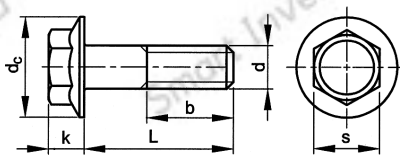
IMPORTANT!

- Se foloseste in domeniul auto;
- Exista total sau partial filetat; Acoperire posibila: Geomet
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6921	Total sau partial filetat	8.8; 10.9; 12.9	Natur; Brunat; Zincat electrolitic; Zincat termic(HDG)	INOX A2
88912	Total filetat	10.9	Natur; Zincat	-

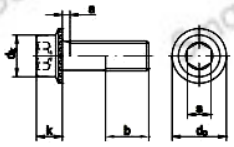
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



Surub cap hexagonal si flansa partial filetat
DIN 6921

M5x25	M6x40	M8x55	M8x200	M10x150	M12x70	M12x150	M16x55	M16x135
M5x30	M6x45	M8x60	M10x35	M10x160	M12x75	M12x155	M16x60	M16x140
M5x35	M6x50	M8x65	M10x40	M10x170	M12x80	M12x160	M16x65	M16x145
M5x40	M6x55	M8x70	M10x45	M10x180	M12x85	M12x165	M16x70	M16x150
M5x45	M6x60	M8x80	M10x50	M10x190	M12x90	M12x170	M16x75	M16x155
M5x50	M6x65	M8x90	M10x55	M10x200	M12x95	M12x175	M16x80	M16x160
M5x55	M6x70	M8x100	M10x60	M10x210	M12x100	M12x180	M16x85	M16x165
M5x60	M6x75	M8x110	M10x65	M10x220	M12x105	M12x185	M16x90	M16x170
M5x65	M6x80	M8x120	M10x70	M12x30	M12x110	M12x190	M16x95	M16x175
M5x70	M6x85	M8x130	M10x80	M12x35	M12x115	M12x195	M16x100	M16x180
M5x75	M6x90	M8x140	M10x90	M12x40	M12x120	M12x200	M16x105	M16x185
M5x80	M6x95	M8x150	M10x100	M12x45	M12x125	M16x30	M16x110	M16x190
M6x20	M8x35	M8x160	M10x110	M12x50	M12x130	M16x35	M16x115	M16x195
M6x25	M8x40	M8x170	M10x120	M12x55	M12x135	M16x40	M16x120	M16x200
M6x30	M8x45	M8x180	M10x130	M12x60	M12x140	M16x45	M16x125	
M6x35	M8x50	M8x190	M10x140	M12x65	M12x145	M16x50	M16x130	



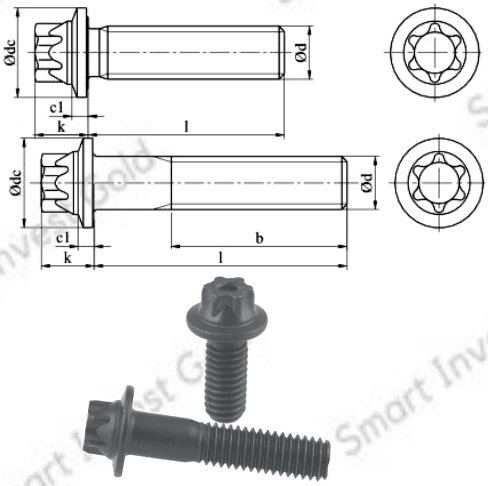
Suruburi cap hexagonal cu flansa si seratii
ART. 88912

M5x25	M6x20	M6x80	M8x80	M8x200	M10x110	M12x30	M12x90	M12x150
M5x30	M6x25	M6x85	M8x90	M10x35	M10x120	M12x35	M12x95	M12x155
M5x35	M6x30	M6x90	M8x100	M10x40	M10x130	M12x40	M12x100	M12x160
M5x40	M6x35	M6x95	M8x110	M10x45	M10x140	M12x45	M12x105	M12x165
M5x45	M6x40	M8x35	M8x120	M10x50	M10x150	M12x50	M12x110	M12x170
M5x50	M6x45	M8x40	M8x130	M10x55	M10x160	M12x55	M12x115	M12x175
M5x55	M6x50	M8x45	M8x140	M10x60	M10x170	M12x60	M12x120	M12x180
M5x60	M6x55	M8x50	M8x150	M10x65	M10x180	M12x65	M12x125	M12x185
M5x65	M6x60	M8x55	M8x160	M10x70	M10x190	M12x70	M12x130	M12x190
M5x70	M6x65	M8x60	M8x170	M10x80	M10x200	M12x75	M12x135	M12x195
M5x75	M6x70	M8x65	M8x180	M10x90	M10x210	M12x80	M12x140	M12x200
M5x80	M6x75	M8x70	M8x190	M10x100	M10x220	M12x85	M12x145	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Șurub cu element extern de antrenare hexalobulară cu flanșă mică
1.18 ART. 34800 / ART. 34801

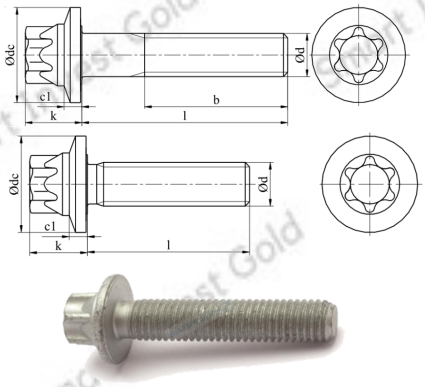


34800 -Surub cu element extern de antrenare hexalobulara cu flansa mica (Bolts and screws with external hexalobular driving feature with small flange)

B

C

Dimensiuni		M5	M6	M8	M10	M12
		-	-	M8x1	M10x1.25	M12x1
		-	-	-	M10x1	M12x1.25
P		0,8	1	1,25	1,5	1.75
b_{min}		40	50	65	80	80
c_1	min	1,45	1,55	2,25	2,95	3,6
	max	1,7	1,8	2,5	3,2	3,9
$d_{c\ max}$		8,88	10,88	13,73	16,83	18,83
k_{max}		5,5	6,5	8,2	10	12
Torx socket set		E6	E8	E10	E12	E14
Dimensiuni		**M14**	**M16**	**M18**	**M20**	
		M14x1	M16x1.5	M18x1,25	M20x1,5	
		-	-	M18x2	M20x2	
P		2	2	2,5	2,5	
b_{min}		80	80	80	80	
c_1	min	3,9	4,8	4,9	6,2	
	max	4.2	5,1	5,2	6,5	
$d_{c\ max}$		21,93	25.09	28,04	31.09	
k_{max}		14	16	18	20	
Torx socket set		E18	E20	E24	E24	



34801 -Surub cu element extern de antrenare hexalobulara cu flansa mica (Bolts and screws with external hexalobular driving feature with small flange)

C

B

Dimensiuni		M5	M6	M8	M10	M12
		-	-	M8x1	M10x1.25	M12x1
		-	-	-	M10x1	M12x1.25
P		0,8	1	1,25	1,5	1.75
b_{min}		40	50	65	80	80
c_1	min	1,45	1,75	2,65	3.6	4.1
	max	1,7	2	2,9	3,9	4.4
$d_{c\ max}$		11.8	14.2	17.9	21.8	26
k_{max}		6,5	7,5	10	12	14
Torx socket set		E8	E10	E12	E14	E18
Dimensiuni		**M14**	**M16**	**M18**	**M20**	
		M14x1.5	M16x1.5	M18x1.5	M20x1,5	
		-	-	M18x2	M20x2	
P		2	2	2,5	2,5	
b_{min}		80	80	80	80	
c_1	min	5.1	5.5	6	6,5	
	max	5.4	5,8	6.4	6.9	
$d_{c\ max}$		29.9	34.5	38.6	42.8	
k_{max}		16	19	21.5	24	
Torx socket set		E20	E24	E28	E32	

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

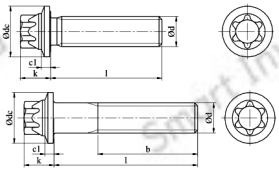
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
ART 34800 ART 34801	Total sau partial filetat	8.8; 12.9		-

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



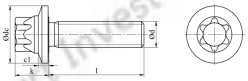
B

C

Șuruburi cu element extern de antrenare hexalobulară cu flanșă mică ART. 34800/ ART. 34801



C



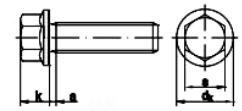
B

M5x25	M8x50	M10x130	M12x135	M14x115	M16x95	M18x95	M18x250	M20x150
M5x30	M8x55	M10x140	M12x140	M14x120	M16x100	M18x100	M18x255	M20x155
M5x35	M8x60	M10x150	M12x145	M14x125	M16x105	M18x105	M18x260	M20x160
M5x40	M8x65	M10x160	M12x150	M14x130	M16x110	M18x110	M18x265	M20x165
M5x45	M8x70	M10x170	M12x155	M14x135	M16x115	M18x115	M18x270	M20x170
M5x50	M8x80	M10x180	M12x160	M14x140	M16x120	M18x120	M18x275	M20x175
M5x55	M8x90	M10x190	M12x165	M14x145	M16x125	M18x125	M18x280	M20x180
M5x60	M8x100	M10x200	M12x170	M14x150	M16x130	M18x130	M18x285	M20x185
M5x65	M8x110	M10x210	M12x175	M14x155	M16x135	M18x135	M18x290	M20x190
M5x70	M8x120	M10x220	M12x180	M14x160	M16x140	M18x140	M18x295	M20x195
M5x75	M8x130	M12x30	M12x185	M14x165	M16x145	M18x145	M18x300	M20x200
M5x80	M8x140	M12x35	M12x190	M14x170	M16x150	M18x150	M20x50	M20x205
M6x20	M8x150	M12x40	M12x195	M14x175	M16x155	M18x155	M20x55	M20x210
M6x25	M8x160	M12x45	M12x200	M14x180	M16x160	M18x160	M20x60	M20x215
M6x30	M8x170	M12x50	M14x30	M14x185	M16x165	M18x165	M20x65	M20x220
M6x35	M8x180	M12x55	M14x35	M14x190	M16x170	M18x170	M20x70	M20x225
M6x40	M8x190	M12x60	M14x40	M14x195	M16x175	M18x175	M20x75	M20x230
M6x45	M8x200	M12x65	M14x45	M14x200	M16x180	M18x180	M20x80	M20x235
M6x50	M10x35	M12x70	M14x50	M16x30	M16x185	M18x185	M20x85	M20x240
M6x55	M10x40	M12x75	M14x55	M16x35	M16x190	M18x190	M20x90	M20x245
M6x60	M10x45	M12x80	M14x60	M16x40	M16x195	M18x195	M20x95	M20x250
M6x65	M10x50	M12x85	M14x65	M16x45	M16x200	M18x200	M20x100	M20x255
M6x70	M10x55	M12x90	M14x70	M16x50	M18x50	M18x205	M20x105	M20x260
M6x75	M10x60	M12x95	M14x75	M16x55	M18x55	M18x210	M20x110	M20x265
M6x80	M10x65	M12x100	M14x80	M16x60	M18x60	M18x215	M20x115	M20x270
M6x85	M10x70	M12x105	M14x85	M16x65	M18x65	M18x220	M20x120	M20x275
M6x90	M10x80	M12x110	M14x90	M16x70	M18x70	M18x225	M20x125	M20x280
M6x95	M10x90	M12x115	M14x95	M16x75	M18x75	M18x230	M20x130	M20x285
M8x35	M10x100	M12x120	M14x100	M16x80	M18x80	M18x235	M20x135	M20x290
M8x40	M10x110	M12x125	M14x105	M16x85	M18x85	M18x240	M20x140	M20x295
M8x45	M10x120	M12x130	M14x110	M16x90	M18x90	M18x245	M20x145	M20x300

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub Verbus Ripp
1.19 ART. 88913

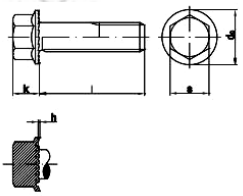




Dimensiuni	M5	M6	M8	M10	M12	M14	M16
a_{max}	1.6	2	2.5	3	3.5	4	4
d_k	11.2	14.2	18.2	21	24	27.5	31
k	4.3	5.5	7	8.5	10	12	14
s	8	10	13	15	17	19	22
qty. ribs	28	36	48	48	60	60	72

DIN 88913 -Surub Verbus Ripp
(Hexagon head screws with flange and ribs)

Surub Tensilock
1.20 ART. 88933





Dimensiuni	M 5	M 6	M 8	M 10	M 12	M 16
d_c	11.2	14.25	18.25	21	24	31
h_{min}	0.15	0.17	0.2	0.25	0.25	0.28
k	4.3	5.5	7	7.9	8.7	11.2
s	8	10	13	15	17	22
qty. serrations	24	24	24	24	24	24

DIN 88933 -Surub Tensilock
(Hexagon head locking screw with flange)

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

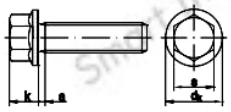
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
ART 88913	Total filetat	10.9	Natur; Zincat; Zincat Galben	-
ART 88933	Total filetat	8.8; 10.9	Natur; Zincat	-

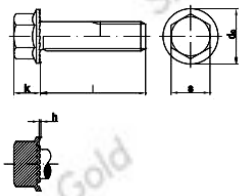
Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



Surub Vrebus Ripp
ART. 88913

M5x25	M6x60	M8x120	M10x110	M12x70	M12x170	M14x95	M14x195	M16x120
M5x30	M6x65	M8x130	M10x120	M12x75	M12x175	M14x100	M14x200	M16x125
M5x35	M6x70	M8x140	M10x130	M12x80	M12x180	M14x105	M16x30	M16x130
M5x40	M6x75	M8x150	M10x140	M12x85	M12x185	M14x110	M16x35	M16x135
M5x45	M6x80	M8x160	M10x150	M12x90	M12x190	M14x115	M16x40	M16x140
M5x50	M6x85	M8x170	M10x160	M12x95	M12x195	M14x120	M16x45	M16x145
M5x55	M6x90	M8x180	M10x170	M12x100	M12x200	M14x125	M16x50	M16x150
M5x60	M6x95	M8x190	M10x180	M12x105	M14x30	M14x130	M16x55	M16x155
M5x65	M8x35	M8x200	M10x190	M12x110	M14x35	M14x135	M16x60	M16x160
M5x70	M8x40	M10x35	M10x200	M12x115	M14x40	M14x140	M16x65	M16x165
M5x75	M8x45	M10x40	M10x210	M12x120	M14x45	M14x145	M16x70	M16x170
M5x80	M8x50	M10x45	M10x220	M12x125	M14x50	M14x150	M16x75	M16x175
M6x20	M8x55	M10x50	M12x30	M12x130	M14x55	M14x155	M16x80	M16x180
M6x25	M8x60	M10x55	M12x35	M12x135	M14x60	M14x160	M16x85	M16x185
M6x30	M8x65	M10x60	M12x40	M12x140	M14x65	M14x165	M16x90	M16x190
M6x35	M8x70	M10x65	M12x45	M12x145	M14x70	M14x170	M16x95	M16x195
M6x40	M8x80	M10x70	M12x50	M12x150	M14x75	M14x175	M16x100	M16x200
M6x45	M8x90	M10x80	M12x55	M12x155	M14x80	M14x180	M16x105	
M6x50	M8x100	M10x90	M12x60	M12x160	M14x85	M14x185	M16x110	
M6x55	M8x110	M10x100	M12x65	M12x165	M14x90	M14x190	M16x115	



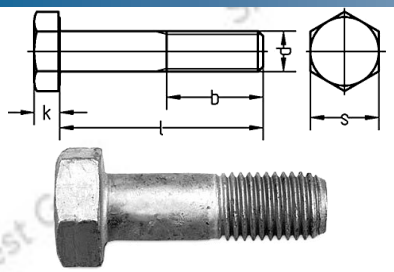
Surub Tensilock
ART. 88933

M5x25	M6x40	M8x55	M8x200	M10x150	M12x70	M12x150	M16x55	M16x135
M5x30	M6x45	M8x60	M10x35	M10x160	M12x75	M12x155	M16x60	M16x140
M5x35	M6x50	M8x65	M10x40	M10x170	M12x80	M12x160	M16x65	M16x145
M5x40	M6x55	M8x70	M10x45	M10x180	M12x85	M12x165	M16x70	M16x150
M5x45	M6x60	M8x80	M10x50	M10x190	M12x90	M12x170	M16x75	M16x155
M5x50	M6x65	M8x90	M10x55	M10x200	M12x95	M12x175	M16x80	M16x160
M5x55	M6x70	M8x100	M10x60	M10x210	M12x100	M12x180	M16x85	M16x165
M5x60	M6x75	M8x110	M10x65	M10x220	M12x105	M12x185	M16x90	M16x170
M5x65	M6x80	M8x120	M10x70	M12x30	M12x110	M12x190	M16x95	M16x175
M5x70	M6x85	M8x130	M10x80	M12x35	M12x115	M12x195	M16x100	M16x180
M5x75	M6x90	M8x140	M10x90	M12x40	M12x120	M12x200	M16x105	M16x185
M5x80	M6x95	M8x150	M10x100	M12x45	M12x125	M16x30	M16x110	M16x190
M6x20	M8x35	M8x160	M10x110	M12x50	M12x130	M16x35	M16x115	M16x195
M6x25	M8x40	M8x170	M10x120	M12x55	M12x135	M16x40	M16x120	M16x200
M6x30	M8x45	M8x180	M10x130	M12x60	M12x140	M16x45	M16x125	
M6x35	M8x50	M8x190	M10x140	M12x65	M12x145	M16x50	M16x130	

© SMART INVEST GOLD SRL

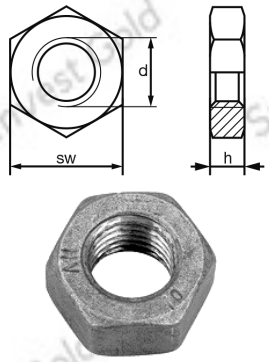
Smart Invest Gold
fastener business unit

Set surub de inalta rezistenta 10.9 (uzual)
1.21 EN 14399-4 /5 /6 ; DIN 6914 / DIN 6915 / DIN 6916



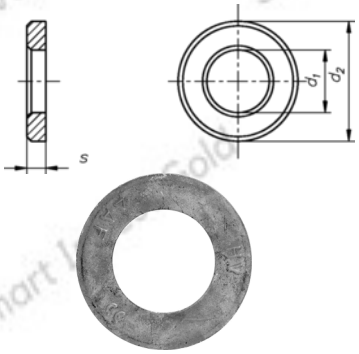
EN 14399-4 HV -Surub de inalta rezistenta
(Hexagon bolts for high strength)

Dimensiuni	M12	M16	M20	M22	M24	M27	M30
k	8	10	13	14	15	17	19
s	22	27	32	36	41	46	50
b	23	28	33	34	39	41	44
Dimensiuni	**M36**	**M39**	**M42***	**M48***	**M56***	**M64***	
k	23	25	26	30	35	40	
s	60	65	70	80	90	100	
b	52	68	74	82	90	100	



EN 14399-5 HV -Piulita de inalta rezistenta
(Nuts for high-tensile structural bolting)

Dimensiuni		M12	M14	M16	M18	M20	M22	M24	M27	M30	M36
d	min	13	15	17	19	21	23	25	28	31	37
	max	13.27	15.27	17.27	19.33	21.33	23.33	25.33	28.52	31.62	37.62
d_c	min	23.48	27.48	28.48	33.38	36.38	38.38	43.38	49	54.8	64.8
	max	24	28	30	34	37	39	44	50	56	66
h	hnom	3	3	4	4	4	4	4	5	5	6
	min	2.7	2.7	3.7	4.7	5.7	6.7	7.7	4.4	4.4	5.4
	max	3.3	3.3	4.3	4.3	4.3	4.3	4.3	5.6	5.6	6.6



EN 14399-6 HV -Saiba plata de inalta rezistenta
(Round washers for high-tensile structural bolting)

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

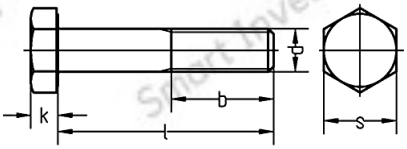
IMPORTANT!

- ATENTIE: lungimea filetului la acest tip de surub de inalta rezistenta este mai mica decat la DIN 931.
- Set EN 14399-4/5/6 HV sunt compuse din 1 surub, 1 piulita si 2 saibe

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
EN 14399-4 HV	Partial filetat	8.8; 10.9	Natur; Zincat termic (HDG)	-
EN 14399-5 HV	Dreapta	8.; 10.	Natur; Zincat termic (HDG)	-
EN 14399-6 HV	-	300HV	Natur; Zincat termic (HDG)	-

Sales : +40 772 223 143 / +40 773 301 990
Website: http://smart-invest-gold.com
Phones: +40 364 737 950 / +40 770 327 293
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



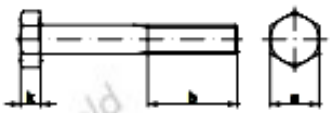
Set surub de inalta rezistenta 10.9 (uzual)
EN 14399-4 /5 /6; DIN 6914 / DIN 6915 / DIN 6916

M39x310	M39x385	M42x135	M42x210	M42x285	M42x360	M48x160	M48x310	M48x460
M39x315	M39x390	M42x140	M42x215	M42x290	M42x365	M48x170	M48x320	M48x470
M39x320	M39x395	M42x145	M42x220	M42x295	M42x370	M48x180	M48x330	M48x480
M39x325	M39x400	M42x150	M42x225	M42x300	M42x375	M48x190	M48x340	M48x490
M39x330	M42x80	M42x155	M42x230	M42x305	M42x380	M48x200	M48x350	M48x500
M39x335	M42x85	M42x160	M42x235	M42x310	M42x385	M48x210	M48x360	M64x100
M39x340	M42x90	M42x165	M42x240	M42x315	M42x390	M48x220	M48x370	M64x110
M39x345	M42x95	M42x170	M42x245	M42x320	M42x395	M48x230	M48x380	M64x120
M39x350	M42x100	M42x175	M42x250	M42x325	M42x400	M48x240	M48x390	M64x130
M39x355	M42x105	M42x180	M42x255	M42x330	M48x100	M48x250	M48x400	M64x140
M39x360	M42x110	M42x185	M42x260	M42x335	M48x110	M48x260	M48x410	M64x150
M39x365	M42x115	M42x190	M42x265	M42x340	M48x120	M48x270	M48x420	M64x160
M39x370	M42x120	M42x195	M42x270	M42x345	M48x130	M48x280	M48x430	M64x170
M39x375	M42x125	M42x200	M42x275	M42x350	M48x140	M48x290	M48x440	M64x180
M39x380	M42x130	M42x205	M42x280	M42x355	M48x150	M48x300	M48x450	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Set surub de inalta rezistenta 8.8 (rar intalnit)
1.22 EN 14399-3 /3 /6; DIN 6913 / DIN 6913 / DIN 6916

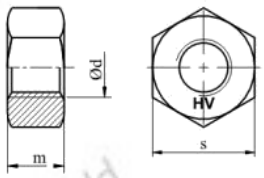




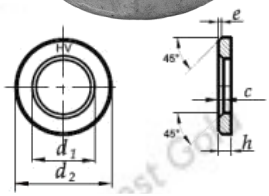
EN 14399-3 HR -Surub de inalta rezistenta
(Hexagon bolts for high strength)

Dimensiuni		M12	M14	M16	M18	M20	M22	M24	M27	M30	M36
Pitch p		1.75	2	2	2.5	2.5	2.5	3	3	3.5	4
b	L<125	30	34	38	42	46	50	54	60	66	78
	125<L<200	-	40	44	28	52	56	60	66	72	84
	200<L	-	-	-	-	65	69	73	79	85	97
k	Nom	7.5	8.8	10	11.5	12.5	14	15	17	18.7	22.5
	max	7.95	9.25	10.75	12.4	13.4	14.9	15.9	17.9	19.75	23.55
	min	7.05	8.35	9.25	10.6	11.6	13.1	14.1	15.1	17.65	21.45
s	max	22	25	27	30	32	36	41	46	50	60
	min	21.16	23.16	26.16	29.16	31	35	40	45	49	58.8
d s	max	12.7	14.7	16.7	18.7	20.84	22.84	24.84	27.84	30.84	37
	min	11.3	13.3	15.3	17.3	19.16	21.16	23.16	26.16	29.16	35

$b_{1)}$ l ≤ 125 mm $b_{2)}$ 125mm < l ≤ 200 mm $b_{3)}$ l > 200 mm









EN 14399-6 HR -Saiba plata de inalta rezistenta
(High-strength structural bolting assemblies for preloading)

d		M12	M16	M20	M22	M24	M27	M30	M36
P		1.75	2	2.5	2.5	3	3	3 5	4
m	Non= max	10	13	16	18	20	22	24	29
	min	9.64	12,3	14,9	16,9	18,7	20,7	22.7	27,7
s	Non= max	22	27	32	36	41	46	50	60
	min	21,16	26.16	31	35	40	45	49	58,8

Dimensiuni		12	(14)	16	(18)	20	22	24	27	30	36
d_1	min.	13	15	17	19	21	23	25	28	V	37
	max	13.27	15,27	17,27	19,33	21,33	23.33	25,33	28,52	31,62	37,62
d_2	min.	23.48	27.48	29,48	33,38	36,38	38.38	43.38	49	54,80	64.80
	max-	24	28	30	34	37	39	44	50	56	66
h_{nom}		3	3	4	4	4	4	4	5	5	6
e_{nom}		0,5	0,5	0.75	0,75	0,75	0.75	0,75	1	1	1.25
c_{min}		1,6	1,6	1,6	2	2	2	2.0	2,5	2,5	2,5

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

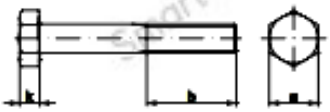
IMPORTANT!

- ATENTIE: lungimea filetului la acest tip de surub de inalta rezistenta este mai mica decat la DIN 931.
- Set EN 14399-3/3/6 HR sunt compuse din 1 surub, 1 piulita si 2 saibe

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
EN 14399-3 HR	Partial filetat	8.8; 10.9	Natur; Zincat termic (HDG)	-
EN 14399-3 HR	Dreapta	8.; 10.	Natur; Zincat termic (HDG)	-
EN 14399-6 HR	-	300HR	Natur; Zincat termic (HDG)	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

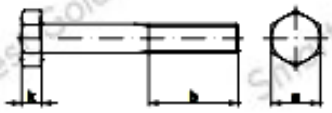


Set surub de inalta rezistenta 8.8 (rar intalnit)
EN 14399-3 /3 /6; DIN 6913 / DIN 6913 / DIN 6916

M12x30	M14x80	M16x130	M18x200	M20x170	M22x140	M24x110	M27x80	M30x80
M12x35	M14x85	M16x135	M18x205	M20x175	M22x145	M24x115	M27x85	M30x85
M12x40	M14x90	M16x140	M18x210	M20x180	M22x150	M24x120	M27x90	M30x90
M12x45	M14x95	M16x145	M18x215	M20x185	M22x155	M24x125	M27x95	M30x95
M12x50	M14x100	M16x150	M18x220	M20x190	M22x160	M24x130	M27x100	M30x100
M12x55	M14x105	M16x155	M18x225	M20x195	M22x165	M24x135	M27x105	M30x105
M12x60	M14x110	M16x160	M18x230	M20x200	M22x170	M24x140	M27x110	M30x110
M12x65	M14x115	M16x165	M18x235	M20x205	M22x175	M24x145	M27x115	M30x115
M12x70	M14x120	M16x170	M18x240	M20x210	M22x180	M24x150	M27x120	M30x120
M12x75	M14x125	M16x175	M18x245	M20x215	M22x185	M24x155	M27x125	M30x125
M12x80	M14x130	M16x180	M18x250	M20x220	M22x190	M24x160	M27x130	M30x130
M12x85	M14x135	M16x185	M18x255	M20x225	M22x195	M24x165	M27x135	M30x135
M12x90	M14x140	M16x190	M18x260	M20x230	M22x200	M24x170	M27x140	M30x140
M12x95	M14x145	M16x195	M18x265	M20x235	M22x205	M24x175	M27x145	M30x145
M12x100	M14x150	M16x200	M18x270	M20x240	M22x210	M24x180	M27x150	M30x150
M12x105	M14x155	M18x50	M18x275	M20x245	M22x215	M24x185	M27x155	M30x155
M12x110	M14x160	M18x55	M18x280	M20x250	M22x220	M24x190	M27x160	M30x160
M12x115	M14x165	M18x60	M18x285	M20x255	M22x225	M24x195	M27x165	M30x165
M12x120	M14x170	M18x65	M18x290	M20x260	M22x230	M24x200	M27x170	M30x170
M12x125	M14x175	M18x70	M18x295	M20x265	M22x235	M24x205	M27x175	M30x175
M12x130	M14x180	M18x75	M18x300	M20x270	M22x240	M24x210	M27x180	M30x180
M12x135	M14x185	M18x80	M20x50	M20x275	M22x245	M24x215	M27x185	M30x185
M12x140	M14x190	M18x85	M20x55	M20x280	M22x250	M24x220	M27x190	M30x190
M12x145	M14x195	M18x90	M20x60	M20x285	M22x255	M24x225	M27x195	M30x195
M12x150	M14x200	M18x95	M20x65	M20x290	M22x260	M24x230	M27x200	M30x200
M12x155	M16x30	M18x100	M20x70	M20x295	M22x265	M24x235	M27x205	M30x205
M12x160	M16x35	M18x105	M20x75	M20x300	M22x270	M24x240	M27x210	M30x210
M12x165	M16x40	M18x110	M20x80	M22x50	M22x275	M24x245	M27x215	M30x215
M12x170	M16x45	M18x115	M20x85	M22x55	M22x280	M24x250	M27x220	M30x220
M12x175	M16x50	M18x120	M20x90	M22x60	M22x285	M24x255	M27x225	M30x225
M12x180	M16x55	M18x125	M20x95	M22x65	M22x290	M24x260	M27x230	M30x230
M12x185	M16x60	M18x130	M20x100	M22x70	M22x295	M24x265	M27x235	M30x235
M12x190	M16x65	M18x135	M20x105	M22x75	M22x300	M24x270	M27x240	M30x240
M12x195	M16x70	M18x140	M20x110	M22x80	M24x50	M24x275	M27x245	M30x245
M12x200	M16x75	M18x145	M20x115	M22x85	M24x55	M24x280	M27x250	M30x250
M14x30	M16x80	M18x150	M20x120	M22x90	M24x60	M24x285	M27x255	M30x255
M14x35	M16x85	M18x155	M20x125	M22x95	M24x65	M24x290	M27x260	M30x260
M14x40	M16x90	M18x160	M20x130	M22x100	M24x70	M24x295	M27x265	M30x265
M14x45	M16x95	M18x165	M20x135	M22x105	M24x75	M24x300	M27x270	M30x270
M14x50	M16x100	M18x170	M20x140	M22x110	M24x80	M27x50	M27x275	M30x275
M14x55	M16x105	M18x175	M20x145	M22x115	M24x85	M27x55	M27x280	M30x280
M14x60	M16x110	M18x180	M20x150	M22x120	M24x90	M27x60	M27x285	M30x285
M14x65	M16x115	M18x185	M20x155	M22x125	M24x95	M27x65	M27x290	M30x290
M14x70	M16x120	M18x190	M20x160	M22x130	M24x100	M27x70	M27x295	M30x295
M14x75	M16x125	M18x195	M20x165	M22x135	M24x105	M27x75	M27x300	M30x300

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



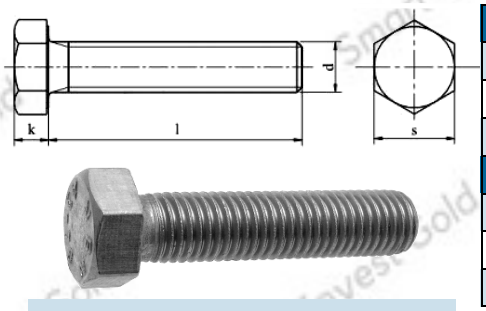
Set surub de inalta rezistenta 8.8 (rar intalnit)
EN 14399-3 /3 /6; DIN 6913 / DIN 6913 / DIN 6916

M30x305	M30x355	M36x80	M36x130	M36x180	M36x230	M36x280	M36x330	M36x380
M30x310	M30x360	M36x85	M36x135	M36x185	M36x235	M36x285	M36x335	M36x385
M30x315	M30x365	M36x90	M36x140	M36x190	M36x240	M36x290	M36x340	M36x390
M30x320	M30x370	M36x95	M36x145	M36x195	M36x245	M36x295	M36x345	M36x395
M30x325	M30x375	M36x100	M36x150	M36x200	M36x250	M36x300	M36x350	M36x400
M30x330	M30x380	M36x105	M36x155	M36x205	M36x255	M36x305	M36x355	
M30x335	M30x385	M36x110	M36x160	M36x210	M36x260	M36x310	M36x360	
M30x340	M30x390	M36x115	M36x165	M36x215	M36x265	M36x315	M36x365	
M30x345	M30x395	M36x120	M36x170	M36x220	M36x270	M36x320	M36x370	
M30x350	M30x400	M36x125	M36x175	M36x225	M36x275	M36x325	M36x375	

©SMART INVEST GOLD SRL

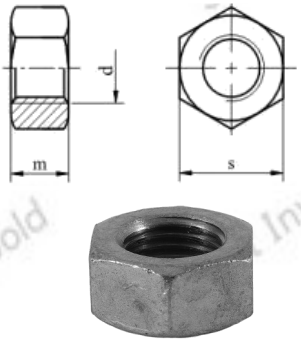
Smart Invest Gold
fastener business unit

Set surub structuri metalice 8.8 zincat termic
1.23 EN 15048 : ISO 4017 / 4014 / 4032 / 7089 200HV



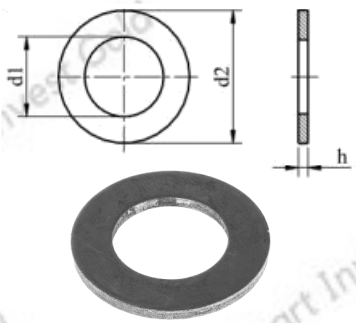
ISO 4017 / ISO 4014 -Surubur structuri metalice
(Hexagon bolts for high strength)

Dimensiune	M3	M4	M5	M6	M7	M8	M10	M12	M14	M16
p	0.5	0,7	0.8	1	1	1,25	1.5	1.75	2	2
k	2	2,8	3,5	4	4,8	5,3	6,4	7,5	8,8	10
Snom	5.5	7	8	10	11	13	17*	19*	22*	24
Dimensiune	**M18**	**M20**	**M22**	**M24**	**M27**	**M30**	**M33**	**M36**	**M39**	**M42**
P	2,5	2,5	2,5	3	3	3,5	3,5	4	4	4,5
k	11,5	12,5	14	15	17	18,7	21	22.5	25	26
Snom	27	30	32*	36	41	46	50	55	60	65



ISO 4032 -Piulita structuri metalice
(Hexagonal nuts)

Dimensiuni		M2	M2.5	M3	(M3,5)	M4	M5	M6	M8	M10	M12	(M14)	M16
P_a		0.4	0,45	0,5	0,6	0,7	0,8	1	1,25	1,5	1,75	2	2
m	max	1,60	2.00	2.40	2.80	3,2	4,7	5,2	6,80	8,40	10,80	12,8	14.8
	min	1,35	1,75	2,15	2.55	2,9	4,4	4,9	6.44	8,04	10,37	12,1	14,1
S_{nom}		4,00	5.00	5.50	6,00	7,00	8,00	10,00	13.00	16,00	18,00	21,00	24.0
Dimensiuni		**(M18)**	**M20**	**(M22)**	**M24**	**(M27)**	**M30**	**(M33)**	**M36**	**(M39)**	**M42**	**(M45)**	**M48**
p_a		2,5	2,5	2,5	3	3	3,5	3,5	4	4	4,5	4,5	5
m	max	15.8	18.0	19,4	21.5	23,8	25,6	28.7	31,0	33.4	34,0	36,0	38.0
	min	15,1	16,9	18,1	20,2	22,5	24,3	27.4	29,4	31,8	32,4	34.4	36,4
S_{nom}		27.0	30.0	34	36	41	46	50	55	60,0	65,0	70.0	75,0



ISO 7089 200HV -Saiba plata structuri metalice (Flat washers)

d_{nom}	2,2	2,7	3,2	3,7	4,3	5,3	6,4	7,4	8,4	10,5	13	15
Dimensiune	**M2**	**M2,5**	**M3**	**M3.5**	**M4**	**M5**	**M6**	**M7**	**M8**	**M10**	**M12**	**M14**
d_1	2,2	2.7	3,2	3,7	4,3	5,3	6,4	7,4	8.4	10.5	13	15
d_2	5	6	7	8	9	10	12	14	16	20	24	28
h_{nom}	0,3	0,5	0,5	0,5	0,8	1	1,6	1.6	1,6	2	2,5	2,5
d_{nom}	17	19	21	23	25	28	31	34	37	40	43	46
Dimensiune	**M16**	**M18**	**M20**	**M22**	**M24**	**M27**	**M30**	**M33**	**M36**	**M39**	**M42**	**M45**
d_1	17	19	21	23	25	28	31	34	37	40	43	46
d_2	30	34	37	39	44	50	56	60	66	72	78	85
h_{nom}	3	3	3	3	4	4	4	5	5	6	7	7
d_{nom}	50	54	58	62	66	74	82	87	93	98	104	109
Dimensiune	**M48**	**M52**	**M56**	**M60**	**M64**	**M72**	**M80**	**M85**	**M90**	**M95**	**M100**	**M105**
d_1	50	54	58	62	66	74	82	87	93	98	104	109
d_2	92	98	105	110	115	125	140	145	160	165	175	180
h_{nom}	8	8	9	9	9	10	12	12	12	12	14	14

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

- ATENTIE! Suruburile ISO sunt diferite de DIN 933/931
- Set EN 15048 sunt compuse din surub, 1 piulita si 2 saibe
- Seturile EN15048 au marcaj CE

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
ISO 4017/ ISO 4014	Total sau partial filetat	8.8	Zincat termic (HDG)	-
ISO 4032	Dreapta	8.	Zincat termic (HDG)	-
ISO 7089	-	200HV	Zincat termic (HDG)	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



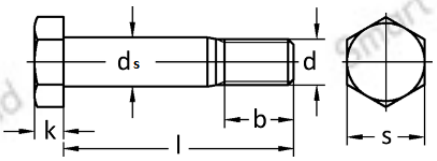
Surub structuri metalice zincat termic
EN 15048

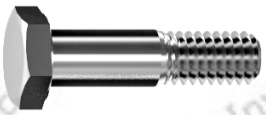
M12x30	M12x165	M16x125	M20x105	M20x240	M24x120	M24x255	M30x165	M30x300
M12x35	M12x170	M16x130	M20x110	M20x245	M24x125	M24x260	M30x170	M30x305
M12x40	M12x175	M16x135	M20x115	M20x250	M24x130	M24x265	M30x175	M30x310
M12x45	M12x180	M16x140	M20x120	M20x255	M24x135	M24x270	M30x180	M30x315
M12x50	M12x185	M16x145	M20x125	M20x260	M24x140	M24x275	M30x185	M30x320
M12x55	M12x190	M16x150	M20x130	M20x265	M24x145	M24x280	M30x190	M30x325
M12x60	M12x195	M16x155	M20x135	M20x270	M24x150	M24x285	M30x195	M30x330
M12x65	M12x200	M16x160	M20x140	M20x275	M24x155	M24x290	M30x200	M30x335
M12x70	M16x30	M16x165	M20x145	M20x280	M24x160	M24x295	M30x205	M30x340
M12x75	M16x35	M16x170	M20x150	M20x285	M24x165	M24x300	M30x210	M30x345
M12x80	M16x40	M16x175	M20x155	M20x290	M24x170	M30x80	M30x215	M30x350
M12x85	M16x45	M16x180	M20x160	M20x295	M24x175	M30x85	M30x220	M30x355
M12x90	M16x50	M16x185	M20x165	M20x300	M24x180	M30x90	M30x225	M30x360
M12x95	M16x55	M16x190	M20x170	M24x50	M24x185	M30x95	M30x230	M30x365
M12x100	M16x60	M16x195	M20x175	M24x55	M24x190	M30x100	M30x235	M30x370
M12x105	M16x65	M16x200	M20x180	M24x60	M24x195	M30x105	M30x240	M30x375
M12x110	M16x70	M20x50	M20x185	M24x65	M24x200	M30x110	M30x245	M30x380
M12x115	M16x75	M20x55	M20x190	M24x70	M24x205	M30x115	M30x250	M30x385
M12x120	M16x80	M20x60	M20x195	M24x75	M24x210	M30x120	M30x255	M30x390
M12x125	M16x85	M20x65	M20x200	M24x80	M24x215	M30x125	M30x260	M30x395
M12x130	M16x90	M20x70	M20x205	M24x85	M24x220	M30x130	M30x265	M30x400
M12x135	M16x95	M20x75	M20x210	M24x90	M24x225	M30x135	M30x270	
M12x140	M16x100	M20x80	M20x215	M24x95	M24x230	M30x140	M30x275	
M12x145	M16x105	M20x85	M20x220	M24x100	M24x235	M30x145	M30x280	
M12x150	M16x110	M20x90	M20x225	M24x105	M24x240	M30x150	M30x285	
M12x155	M16x115	M20x95	M20x230	M24x110	M24x245	M30x155	M30x290	
M12x160	M16x120	M20x100	M20x235	M24x115	M24x250	M30x160	M30x295	

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

Surub inalta rezistenta - structuri otel
1.24 DIN 7999 / EN 14399-8 SB

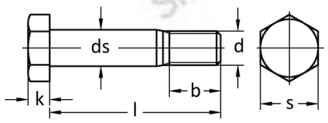




DIN 7999 -Surub inalta rezistenta
(High strength fit bolt for steel structures)

Dimensiuni	M12	M16	M20	M22	M24	M27	M30	M36
k	8	10	13	14	15	17	19	23
d_s	13	17	21	23	25	28	31	37
b	23	28	33	34	39	41	44	52
s	22	27	32	36	41	46	50	60

Şurub cap hexagonal pentru construcții metalice
1.25 DIN 7968





DIN 7968 -Surub cap hexagonal pentru structuri metalice
(Bolts with waisted shanks)

Dimensiuni	M12	M16	M20	M24	M27	M30
b	20.5	24.5	28.5	33	35.5	38.5
k	8	10	13	15	17	19
$d_{s\ min}$	12.74	16.74	20.71	24.71	27.71	30.67
s	18	24	30	36	41	46

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

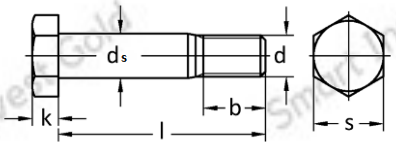
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
EN 14399 SB	Total sau Partial filetat	8.8; 10.9	Natur; Brunat; Zincat electrolitic; Zincat termic(HDG)	-
7968	Total sau partial filetat	5.6; 8.8	Natur, Zincat, Zincat termic (HDG)	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

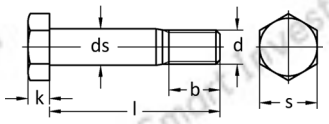


Surub inalta rezistenta - structuri otel
DIN 7999 / EN 14399-8

M12x30	M16x80	M20x150	M22x120	M24x110	M27x80	M30x80	M30x305	M36x205
M12x35	M16x85	M20x155	M22x125	M24x115	M27x85	M30x85	M30x310	M36x210
M12x40	M16x90	M20x160	M22x130	M24x120	M27x90	M30x90	M30x315	M36x215
M12x45	M16x95	M20x165	M22x135	M24x125	M27x95	M30x95	M30x320	M36x220
M12x50	M16x100	M20x170	M22x140	M24x130	M27x100	M30x100	M30x325	M36x225
M12x55	M16x105	M20x175	M22x145	M24x135	M27x105	M30x105	M30x330	M36x230
M12x60	M16x110	M20x180	M22x150	M24x140	M27x110	M30x110	M30x335	M36x235
M12x65	M16x115	M20x185	M22x155	M24x145	M27x115	M30x115	M30x340	M36x240
M12x70	M16x120	M20x190	M22x160	M24x150	M27x120	M30x120	M30x345	M36x245
M12x75	M16x125	M20x195	M22x165	M24x155	M27x125	M30x125	M30x350	M36x250
M12x80	M16x130	M20x200	M22x170	M24x160	M27x130	M30x130	M30x355	M36x255
M12x85	M16x135	M20x205	M22x175	M24x165	M27x135	M30x135	M30x360	M36x260
M12x90	M16x140	M20x210	M22x180	M24x170	M27x140	M30x140	M30x365	M36x265
M12x95	M16x145	M20x215	M22x185	M24x175	M27x145	M30x145	M30x370	M36x270
M12x100	M16x150	M20x220	M22x190	M24x180	M27x150	M30x150	M30x375	M36x275
M12x105	M16x155	M20x225	M22x195	M24x185	M27x155	M30x155	M30x380	M36x280
M12x110	M16x160	M20x230	M22x200	M24x190	M27x160	M30x160	M30x385	M36x285
M12x115	M16x165	M20x235	M22x205	M24x195	M27x165	M30x165	M30x390	M36x290
M12x120	M16x170	M20x240	M22x210	M24x200	M27x170	M30x170	M30x395	M36x295
M12x125	M16x175	M20x245	M22x215	M24x205	M27x175	M30x175	M30x400	M36x300
M12x130	M16x180	M20x250	M22x220	M24x210	M27x180	M30x180	M36x80	M36x305
M12x135	M16x185	M20x255	M22x225	M24x215	M27x185	M30x185	M36x85	M36x310
M12x140	M16x190	M20x260	M22x230	M24x220	M27x190	M30x190	M36x90	M36x315
M12x145	M16x195	M20x265	M22x235	M24x225	M27x195	M30x195	M36x95	M36x320
M12x150	M16x200	M20x270	M22x240	M24x230	M27x200	M30x200	M36x100	M36x325
M12x155	M20x50	M20x275	M22x245	M24x235	M27x205	M30x205	M36x105	M36x330
M12x160	M20x55	M20x280	M22x250	M24x240	M27x210	M30x210	M36x110	M36x335
M12x165	M20x60	M20x285	M22x255	M24x245	M27x215	M30x215	M36x115	M36x340
M12x170	M20x65	M20x290	M22x260	M24x250	M27x220	M30x220	M36x120	M36x345
M12x175	M20x70	M20x295	M22x265	M24x255	M27x225	M30x225	M36x125	M36x350
M12x180	M20x75	M20x300	M22x270	M24x260	M27x230	M30x230	M36x130	M36x355
M12x185	M20x80	M22x50	M22x275	M24x265	M27x235	M30x235	M36x135	M36x360
M12x190	M20x85	M22x55	M22x280	M24x270	M27x240	M30x240	M36x140	M36x365
M12x195	M20x90	M22x60	M22x285	M24x275	M27x245	M30x245	M36x145	M36x370
M12x200	M20x95	M22x65	M22x290	M24x280	M27x250	M30x250	M36x150	M36x375
M16x30	M20x100	M22x70	M22x295	M24x285	M27x255	M30x255	M36x155	M36x380
M16x35	M20x105	M22x75	M22x300	M24x290	M27x260	M30x260	M36x160	M36x385
M16x40	M20x110	M22x80	M24x70	M24x295	M27x265	M30x265	M36x165	M36x390
M16x45	M20x115	M22x85	M24x75	M24x300	M27x270	M30x270	M36x170	M36x395
M16x50	M20x120	M22x90	M24x80	M27x50	M27x275	M30x275	M36x175	M36x400
M16x55	M20x125	M22x95	M24x85	M27x55	M27x280	M30x280	M36x180	
M16x60	M20x130	M22x100	M24x90	M27x60	M27x285	M30x285	M36x185	
M16x65	M20x135	M22x105	M24x95	M27x65	M27x290	M30x290	M36x190	
M16x70	M20x140	M22x110	M24x100	M27x70	M27x295	M30x295	M36x195	
M16x75	M20x145	M22x115	M24x105	M27x75	M27x300	M30x300	M36x200	

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



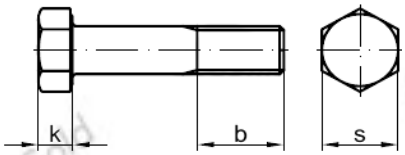
Șurub cu cap hexagonal pentru construcții metalice
DIN 7968

M12x30	M12x190	M16x175	M20x180	M24x85	M24x245	M27x150	M30x85	M30x245
M12x35	M12x195	M16x180	M20x185	M24x90	M24x250	M27x155	M30x90	M30x250
M12x40	M12x200	M16x185	M20x190	M24x95	M24x255	M27x160	M30x95	M30x255
M12x45	M16x30	M16x190	M20x195	M24x100	M24x260	M27x165	M30x100	M30x260
M12x50	M16x35	M16x195	M20x200	M24x105	M24x265	M27x170	M30x105	M30x265
M12x55	M16x40	M16x200	M20x205	M24x110	M24x270	M27x175	M30x110	M30x270
M12x60	M16x45	M20x50	M20x210	M24x115	M24x275	M27x180	M30x115	M30x275
M12x65	M16x50	M20x55	M20x215	M24x120	M24x280	M27x185	M30x120	M30x280
M12x70	M16x55	M20x60	M20x220	M24x125	M24x285	M27x190	M30x125	M30x285
M12x75	M16x60	M20x65	M20x225	M24x130	M24x290	M27x195	M30x130	M30x290
M12x80	M16x65	M20x70	M20x230	M24x135	M24x295	M27x200	M30x135	M30x295
M12x85	M16x70	M20x75	M20x235	M24x140	M24x300	M27x205	M30x140	M30x300
M12x90	M16x75	M20x80	M20x240	M24x145	M27x50	M27x210	M30x145	M30x305
M12x95	M16x80	M20x85	M20x245	M24x150	M27x55	M27x215	M30x150	M30x310
M12x100	M16x85	M20x90	M20x250	M24x155	M27x60	M27x220	M30x155	M30x315
M12x105	M16x90	M20x95	M20x255	M24x160	M27x65	M27x225	M30x160	M30x320
M12x110	M16x95	M20x100	M20x260	M24x165	M27x70	M27x230	M30x165	M30x325
M12x115	M16x100	M20x105	M20x265	M24x170	M27x75	M27x235	M30x170	M30x330
M12x120	M16x105	M20x110	M20x270	M24x175	M27x80	M27x240	M30x175	M30x335
M12x125	M16x110	M20x115	M20x275	M24x180	M27x85	M27x245	M30x180	M30x340
M12x130	M16x115	M20x120	M20x280	M24x185	M27x90	M27x250	M30x185	M30x345
M12x135	M16x120	M20x125	M20x285	M24x190	M27x95	M27x255	M30x190	M30x350
M12x140	M16x125	M20x130	M20x290	M24x195	M27x100	M27x260	M30x195	M30x355
M12x145	M16x130	M20x135	M20x295	M24x200	M27x105	M27x265	M30x200	M30x360
M12x150	M16x135	M20x140	M20x300	M24x205	M27x110	M27x270	M30x205	M30x365
M12x155	M16x140	M20x145	M24x50	M24x210	M27x115	M27x275	M30x210	M30x370
M12x160	M16x145	M20x150	M24x55	M24x215	M27x120	M27x280	M30x215	M30x375
M12x165	M16x150	M20x155	M24x60	M24x220	M27x125	M27x285	M30x220	M30x380
M12x170	M16x155	M20x160	M24x65	M24x225	M27x130	M27x290	M30x225	M30x385
M12x175	M16x160	M20x165	M24x70	M24x230	M27x135	M27x295	M30x230	M30x390
M12x180	M16x165	M20x170	M24x75	M24x235	M27x140	M27x300	M30x235	M30x395
M12x185	M16x170	M20x175	M24x80	M24x240	M27x145	M30x80	M30x240	M30x400

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cap hexagonal –structuri otel
1.26 DIN 7990





Dimensiuni	M12	M16	M20	M24	M27	M30
k	8	10	13	15	17	19
s	19	24	30	36	41	46
b	17.75	21	23.5	26	29	30.5

DIN 7990 (STAS 11028)
Surub cap hexagonal structuri otel
(Hexagon bolts for steel structures)

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

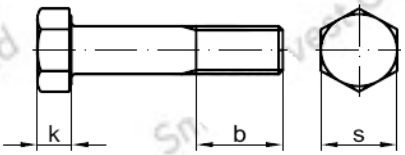
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7990	Total sau partial filetat	4.6; 5.6; 8.8; 10.9	Natur; Zincat termic(HDG)	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



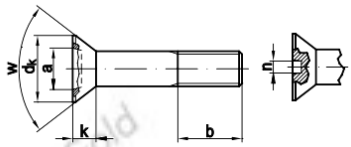
Surub cap hexagonal –structuri otel
DIN 7990

M12x30	M12x190	M16x175	M20x180	M24x105	M24x265	M27x170	M30x105	M30x265
M12x35	M12x195	M16x180	M20x185	M24x110	M24x270	M27x175	M30x110	M30x270
M12x40	M12x200	M16x185	M20x190	M24x115	M24x275	M27x180	M30x115	M30x275
M12x45	M16x30	M16x190	M20x195	M24x120	M24x280	M27x185	M30x120	M30x280
M12x50	M16x35	M16x195	M20x200	M24x125	M24x285	M27x190	M30x125	M30x285
M12x55	M16x40	M16x200	M20x205	M24x130	M24x290	M27x195	M30x130	M30x290
M12x60	M16x45	M20x50	M20x210	M24x135	M24x295	M27x200	M30x135	M30x295
M12x65	M16x50	M20x55	M20x215	M24x140	M24x300	M27x205	M30x140	M30x300
M12x70	M16x55	M20x60	M20x220	M24x145	M27x50	M27x210	M30x145	M30x305
M12x75	M16x60	M20x65	M20x225	M24x150	M27x55	M27x215	M30x150	M30x310
M12x80	M16x65	M20x70	M20x230	M24x155	M27x60	M27x220	M30x155	M30x315
M12x85	M16x70	M20x75	M20x235	M24x160	M27x65	M27x225	M30x160	M30x320
M12x90	M16x75	M20x80	M20x240	M24x165	M27x70	M27x230	M30x165	M30x325
M12x95	M16x80	M20x85	M20x245	M24x170	M27x75	M27x235	M30x170	M30x330
M12x100	M16x85	M20x90	M20x250	M24x175	M27x80	M27x240	M30x175	M30x335
M12x105	M16x90	M20x95	M20x255	M24x180	M27x85	M27x245	M30x180	M30x340
M12x110	M16x95	M20x100	M20x260	M24x185	M27x90	M27x250	M30x185	M30x345
M12x115	M16x100	M20x105	M20x265	M24x190	M27x95	M27x255	M30x190	M30x350
M12x120	M16x105	M20x110	M20x270	M24x195	M27x100	M27x260	M30x195	M30x355
M12x125	M16x110	M20x115	M20x275	M24x200	M27x105	M27x265	M30x200	M30x360
M12x130	M16x115	M20x120	M20x280	M24x205	M27x110	M27x270	M30x205	M30x365
M12x135	M16x120	M20x125	M20x285	M24x210	M27x115	M27x275	M30x210	M30x370
M12x140	M16x125	M20x130	M20x290	M24x215	M27x120	M27x280	M30x215	M30x375
M12x145	M16x130	M20x135	M20x295	M24x220	M27x125	M27x285	M30x220	M30x380
M12x150	M16x135	M20x140	M20x300	M24x225	M27x130	M27x290	M30x225	M30x385
M12x155	M16x140	M20x145	M24x70	M24x230	M27x135	M27x295	M30x230	M30x390
M12x160	M16x145	M20x150	M24x75	M24x235	M27x140	M27x300	M30x235	M30x395
M12x165	M16x150	M20x155	M24x80	M24x240	M27x145	M30x80	M30x240	M30x400
M12x170	M16x155	M20x160	M24x85	M24x245	M27x150	M30x85	M30x245	
M12x175	M16x160	M20x165	M24x90	M24x250	M27x155	M30x90	M30x250	
M12x180	M16x165	M20x170	M24x95	M24x255	M27x160	M30x95	M30x255	
M12x185	M16x170	M20x175	M24x100	M24x260	M27x165	M30x100	M30x260	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cap inecat crestat pentru structuri metalice
1.27 DIN 7969





DIN 7969 -Surub cap inecat crestat pentru structuri metalice (Slotted countersunk head bolts for steel structures)

Dimensiuni	M12	M 16	M 20	M 24
W	75°	75°	60°	60°
b_1	22	28	32	38
b_2	28	35	40	50
$d_{k\ max.}$	21	28	32	38
k	7	9	11.5	13
n	2.5	2.5	3	3
t	3	3	3.5	3.5
a_{max}	14.7	19.6	22.4	26.6

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

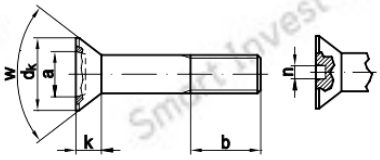
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7969	Partial filetat	4.6	Zincat; Zincat termic (HDG)	-

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



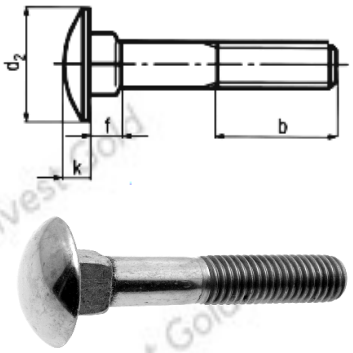
Surub cap inecat crestat pentru structuri metalice
DIN 7969

M12x30	M12x130	M16x55	M16x155	M20x100	M20x200	M20x300	M24x145	M24x245
M12x35	M12x135	M16x60	M16x160	M20x105	M20x205	M24x50	M24x150	M24x250
M12x40	M12x140	M16x65	M16x165	M20x110	M20x210	M24x55	M24x155	M24x255
M12x45	M12x145	M16x70	M16x170	M20x115	M20x215	M24x60	M24x160	M24x260
M12x50	M12x150	M16x75	M16x175	M20x120	M20x220	M24x65	M24x165	M24x265
M12x55	M12x155	M16x80	M16x180	M20x125	M20x225	M24x70	M24x170	M24x270
M12x60	M12x160	M16x85	M16x185	M20x130	M20x230	M24x75	M24x175	M24x275
M12x65	M12x165	M16x90	M16x190	M20x135	M20x235	M24x80	M24x180	M24x280
M12x70	M12x170	M16x95	M16x195	M20x140	M20x240	M24x85	M24x185	M24x285
M12x75	M12x175	M16x100	M16x200	M20x145	M20x245	M24x90	M24x190	M24x290
M12x80	M12x180	M16x105	M20x50	M20x150	M20x250	M24x95	M24x195	M24x295
M12x85	M12x185	M16x110	M20x55	M20x155	M20x255	M24x100	M24x200	M24x300
M12x90	M12x190	M16x115	M20x60	M20x160	M20x260	M24x105	M24x205	
M12x95	M12x195	M16x120	M20x65	M20x165	M20x265	M24x110	M24x210	
M12x100	M12x200	M16x125	M20x70	M20x170	M20x270	M24x115	M24x215	
M12x105	M16x30	M16x130	M20x75	M20x175	M20x275	M24x120	M24x220	
M12x110	M16x35	M16x135	M20x80	M20x180	M20x280	M24x125	M24x225	
M12x115	M16x40	M16x140	M20x85	M20x185	M20x285	M24x130	M24x230	
M12x120	M16x45	M16x145	M20x90	M20x190	M20x290	M24x135	M24x235	
M12x125	M16x50	M16x150	M20x95	M20x195	M20x295	M24x140	M24x240	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub torbant cu gat patrat si cap bombat
1.28 DIN 603



DIN 603 (STAS 925; ISO 8677; UNI 5732 -Șurub torbant cu gat patrat și cap bombat
(Mushroom head square neck bolt)

Dimensiuni	M5	M6	M8	M10	M12	M16	M20
d_2	13.5	16.55	20,65	24,65	30,65	38,8	46.8
k	3,3	3,88	4,88	5,38	6,95	8,95	11,05
f	4,1	4,6	5,6	6,6	8,75	12,9	15,9
V	5,48	6,48	8,58	10,58	12,7	16,7	20,84
b_1	16	18	22	26	30	38	46
b_2	22	24	28	32	36	44	52
b_3	-	-	41	45	49	57	65
b_1) l ≤ 125 mm			b_2) 125mm < l ≤ 200 mm			b_3) l > 200 mm	

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

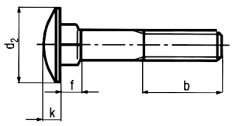
IMPORTANT!

- Exista cu gat scurt si fara gat
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
603	Total sau partial filetat	4.6; 8.8; 10.9	Natur; Zincat; Zincat termic (HDG)	INOX A2; INOX A4

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit





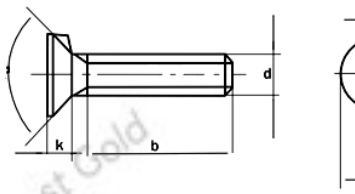
Surub torbant cu gat patrat si cap bombat
DIN 603

M5x25	M6x70	M8x160	M10x170	M12x110	M16x45	M16x155	M20x110	M20x220
M5x30	M6x75	M8x170	M10x180	M12x115	M16x50	M16x160	M20x115	M20x225
M5x35	M6x80	M8x180	M10x190	M12x120	M16x55	M16x165	M20x120	M20x230
M5x40	M6x85	M8x190	M10x200	M12x125	M16x60	M16x170	M20x125	M20x235
M5x45	M6x90	M8x200	M10x210	M12x130	M16x65	M16x175	M20x130	M20x240
M5x50	M6x95	M10x35	M10x220	M12x135	M16x70	M16x180	M20x135	M20x245
M5x55	M8x35	M10x40	M12x30	M12x140	M16x75	M16x185	M20x140	M20x250
M5x60	M8x40	M10x45	M12x35	M12x145	M16x80	M16x190	M20x145	M20x255
M5x65	M8x45	M10x50	M12x40	M12x150	M16x85	M16x195	M20x150	M20x260
M5x70	M8x50	M10x55	M12x45	M12x155	M16x90	M16x200	M20x155	M20x265
M5x75	M8x55	M10x60	M12x50	M12x160	M16x95	M20x50	M20x160	M20x270
M5x80	M8x60	M10x65	M12x55	M12x165	M16x100	M20x55	M20x165	M20x275
M6x20	M8x65	M10x70	M12x60	M12x170	M16x105	M20x60	M20x170	M20x280
M6x25	M8x70	M10x80	M12x65	M12x175	M16x110	M20x65	M20x175	M20x285
M6x30	M8x80	M10x90	M12x70	M12x180	M16x115	M20x70	M20x180	M20x290
M6x35	M8x90	M10x100	M12x75	M12x185	M16x120	M20x75	M20x185	M20x295
M6x40	M8x100	M10x110	M12x80	M12x190	M16x125	M20x80	M20x190	M20x300
M6x45	M8x110	M10x120	M12x85	M12x195	M16x130	M20x85	M20x195	
M6x50	M8x120	M10x130	M12x90	M12x200	M16x135	M20x90	M20x200	
M6x55	M8x130	M10x140	M12x95	M16x30	M16x140	M20x95	M20x205	
M6x60	M8x140	M10x150	M12x100	M16x35	M16x145	M20x100	M20x210	
M6x65	M8x150	M10x160	M12x105	M16x40	M16x150	M20x105	M20x215	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub torbant cu cap inecat si nas
1.29 DIN 604



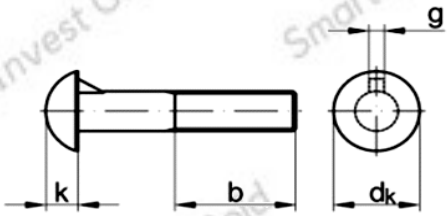


Dimensiuni	M6	M8	M10	M12	M16	M20	M24
d_k	12.55	16.55	19.65	24.65	32,8	32.8	38.8
k	4	5	5,5	7	9	11,5	13
a	90°	90°	90°	90°	90°	60°	60°
g	2.5	3	3,2	3,6	4,2	5,4	6,6
b_1	18	22	26	30	38	46	54
b_2	24	28	32	36	44	52	60
b_3	-	41	45	49	57	65	73

b_1) l ≤ 125 mm b_2) 125mm < l ≤ 200 mm b_3) l > 200 mm

DIN 604 (STAS 1474; UNI 6105)
Șurub torbant cu cap inecat si nas
(Countersunk flat nib bolt)

Surub torbant cu cap bombat si nas
1.30 DIN 607





Dimensiuni	M8	M10	M12	M16
d_k	16,55	19,65	24,65	30,65
k	6,38	7,45	9,65	11,75
g	3	3,2	3,6	4,2
b_1	22	26	30	38
b_2	28	32	36	44
b_3	-	-	-	57

b_1) l ≤ 125 mm b_2) 125mm < l ≤ 200 mm b_3) l > 200 mm

DIN 607 (STAS 1470) -Șurub torbant cu cap bombat si nas
(Round head nib bolt)

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

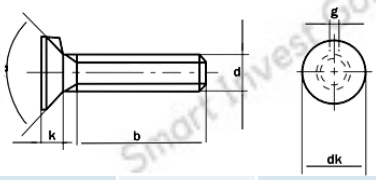
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
604	Partial filetat	4.6	Natur	-
607	Total sau partial	4.6	Natur	-

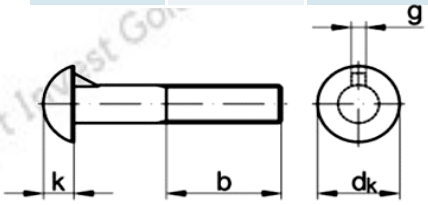
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



Surub torbant cu cap inecat si nas
DIN 604

M6x20	M8x100	M10x150	M12x120	M16x75	M20x50	M20x180	M24x55	M24x185
M6x25	M8x110	M10x160	M12x125	M16x80	M20x55	M20x185	M24x60	M24x190
M6x30	M8x120	M10x170	M12x130	M16x85	M20x60	M20x190	M24x65	M24x195
M6x35	M8x130	M10x180	M12x135	M16x90	M20x65	M20x195	M24x70	M24x200
M6x40	M8x140	M10x190	M12x140	M16x95	M20x70	M20x200	M24x75	M24x205
M6x45	M8x150	M10x200	M12x145	M16x100	M20x75	M20x205	M24x80	M24x210
M6x50	M8x160	M10x210	M12x150	M16x105	M20x80	M20x210	M24x85	M24x215
M6x55	M8x170	M10x220	M12x155	M16x110	M20x85	M20x215	M24x90	M24x220
M6x60	M8x180	M12x30	M12x160	M16x115	M20x90	M20x220	M24x95	M24x225
M6x65	M8x190	M12x35	M12x165	M16x120	M20x95	M20x225	M24x100	M24x230
M6x70	M8x200	M12x40	M12x170	M16x125	M20x100	M20x230	M24x105	M24x235
M6x75	M10x35	M12x45	M12x175	M16x130	M20x105	M20x235	M24x110	M24x240
M6x80	M10x40	M12x50	M12x180	M16x135	M20x110	M20x240	M24x115	M24x245
M6x85	M10x45	M12x55	M12x185	M16x140	M20x115	M20x245	M24x120	M24x250
M6x90	M10x50	M12x60	M12x190	M16x145	M20x120	M20x250	M24x125	M24x255
M6x95	M10x55	M12x65	M12x195	M16x150	M20x125	M20x255	M24x130	M24x260
M8x35	M10x60	M12x70	M12x200	M16x155	M20x130	M20x260	M24x135	M24x265
M8x40	M10x65	M12x75	M16x30	M16x160	M20x135	M20x265	M24x140	M24x270
M8x45	M10x70	M12x80	M16x35	M16x165	M20x140	M20x270	M24x145	M24x275
M8x50	M10x80	M12x85	M16x40	M16x170	M20x145	M20x275	M24x150	M24x280
M8x55	M10x90	M12x90	M16x45	M16x175	M20x150	M20x280	M24x155	M24x285
M8x60	M10x100	M12x95	M16x50	M16x180	M20x155	M20x285	M24x160	M24x290
M8x65	M10x110	M12x100	M16x55	M16x185	M20x160	M20x290	M24x165	M24x295
M8x70	M10x120	M12x105	M16x60	M16x190	M20x165	M20x295	M24x170	M24x300
M8x80	M10x130	M12x110	M16x65	M16x195	M20x170	M20x300	M24x175	
M8x90	M10x140	M12x115	M16x70	M16x200	M20x175	M24x50	M24x180	



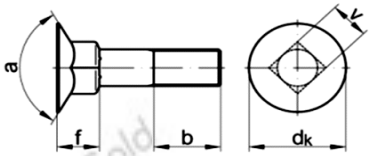
Surub torbant cu cap bombat si nas/
DIN 607

M8x35	M8x130	M10x60	M10x180	M12x70	M12x135	M12x200	M16x90	M16x155
M8x40	M8x140	M10x65	M10x190	M12x75	M12x140	M16x30	M16x95	M16x160
M8x45	M8x150	M10x70	M10x200	M12x80	M12x145	M16x35	M16x100	M16x165
M8x50	M8x160	M10x80	M10x210	M12x85	M12x150	M16x40	M16x105	M16x170
M8x55	M8x170	M10x90	M10x220	M12x90	M12x155	M16x45	M16x110	M16x175
M8x60	M8x180	M10x100	M12x30	M12x95	M12x160	M16x50	M16x115	M16x180
M8x65	M8x190	M10x110	M12x35	M12x100	M12x165	M16x55	M16x120	M16x185
M8x70	M8x200	M10x120	M12x40	M12x105	M12x170	M16x60	M16x125	M16x190
M8x80	M10x35	M10x130	M12x45	M12x110	M12x175	M16x65	M16x130	M16x195
M8x90	M10x40	M10x140	M12x50	M12x115	M12x180	M16x70	M16x135	M16x200
M8x100	M10x45	M10x150	M12x55	M12x120	M12x185	M16x75	M16x140	
M8x110	M10x50	M10x160	M12x60	M12x125	M12x190	M16x80	M16x145	
M8x120	M10x55	M10x170	M12x65	M12x130	M12x195	M16x85	M16x150	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub torbant cu gat patrat si cap inecat
1.31 DIN 605

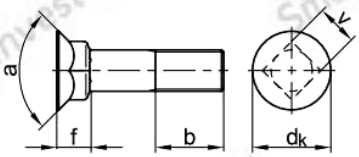




DIN 605 (STAS 2349)
Șurub torbant cu gat patrat și cap inecat
(Flat countersunk square neck bolt)

Dimensiuni	M6	M8	M10
d_k	16.55	20.65	24.65
f	7.45	9.45	11.55
b	18	22	26
v	6.48	8.58	10.58
a	120°	120°	120°

Surub torbant cu gat patrat si cap inecat
1.32 DIN 608





DIN 608 (TAS 1477)
Șurub torbant cu gat patrat si cap inecat
(Flat countersunk square neck bolts)

Dimensiuni	M8	M10	M12	M16
d_k	16	19.65	24.65	32
f	7	8.45	11.05	13.5
b	22	26	30	38
V	8	10.58	12.7	16
a	90°	90°	90°	90°

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

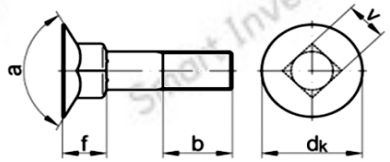
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
605	Total sau partial	4.6	Natur	-
608	Total sau partial	8.8	Natur	-

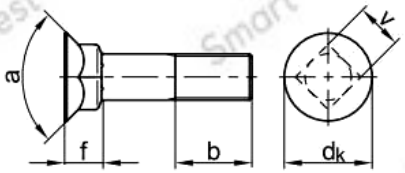
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



Surub torbant cu gat patrat si cap inecat
DIN 605

M6x20	M6x55	M6x90	M8x60	M8x120	M8x190	M10x60	M10x120	M10x190
M6x25	M6x60	M6x95	M8x65	M8x130	M8x200	M10x65	M10x130	M10x200
M6x30	M6x65	M8x35	M8x70	M8x140	M10x35	M10x70	M10x140	M10x210
M6x35	M6x70	M8x40	M8x80	M8x150	M10x40	M10x80	M10x150	M10x220
M6x40	M6x75	M8x45	M8x90	M8x160	M10x45	M10x90	M10x160	
M6x45	M6x80	M8x50	M8x100	M8x170	M10x50	M10x100	M10x170	
M6x50	M6x85	M8x55	M8x110	M8x180	M10x55	M10x110	M10x180	



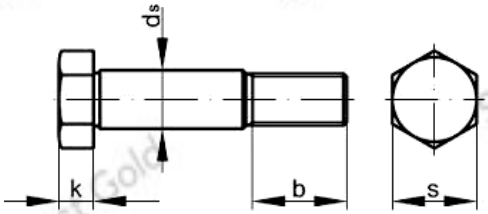
Surub torbant cu gat patrat si cap inecat
DIN 608

M8x35	M8x130	M10x60	M10x180	M12x70	M12x135	M12x200	M16x90	M16x155
M8x40	M8x140	M10x65	M10x190	M12x75	M12x140	M16x30	M16x95	M16x160
M8x45	M8x150	M10x70	M10x200	M12x80	M12x145	M16x35	M16x100	M16x165
M8x50	M8x160	M10x80	M10x210	M12x85	M12x150	M16x40	M16x105	M16x170
M8x55	M8x170	M10x90	M10x220	M12x90	M12x155	M16x45	M16x110	M16x175
M8x60	M8x180	M10x100	M12x30	M12x95	M12x160	M16x50	M16x115	M16x180
M8x65	M8x190	M10x110	M12x35	M12x100	M12x165	M16x55	M16x120	M16x185
M8x70	M8x200	M10x120	M12x40	M12x105	M12x170	M16x60	M16x125	M16x190
M8x80	M10x35	M10x130	M12x45	M12x110	M12x175	M16x65	M16x130	M16x195
M8x90	M10x40	M10x140	M12x50	M12x115	M12x180	M16x70	M16x135	M16x200
M8x100	M10x45	M10x150	M12x55	M12x120	M12x185	M16x75	M16x140	
M8x110	M10x50	M10x160	M12x60	M12x125	M12x190	M16x80	M16x145	
M8x120	M10x55	M10x170	M12x65	M12x130	M12x195	M16x85	M16x150	

© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

Surub de pasuire
1.33 DIN 609



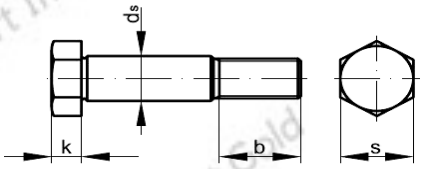


DIN 609 (STAS 5930) -Șurub de pasuire
(Hexagon fit bolts)

Dimensiuni	M8	M10	M12	M14	M16
k	5.3	6.4	7.5	8.8	10
s	13	16	18	21	24
d_s	9	11	13	15	17
b_1	14.5	17.5	20.5	22	25
b_2	16.5	19.5	22.5	24	27
b_3	21.5	24.5	27.5	29	32
Dimensiuni	M20	M24	M30	M36	
k	12.5	15	19	22	
s	30	36	46	55	
d_s	21	25	32	38	
b_1	28.5				
b_2	30.5	36.5	43	49	
b_3	35.5	41.5	48	54	

b_1) l ≤ 125 mm **b_2) 125mm < l ≤ 200 mm** **b_3) l > 200 mm**

Surub de pasuire
1.34 DIN 610





DIN 610 -Șurub de pasuire
(Hexagon fit bolts)

Dimensiuni	M8	M10	M12	M14	M16	M20	M24	M30	M36
k	5.3	6.4	7.5	8.8	10	12.5	15	19	22
s	13	16	18	21	24	30	36	46	55
ds*	9	11	13	15	17	21	25	32	38
b_1	11.5	13.5	15.5	17	19	22.5	25.5	-	-
b_2	13.5	15.5	17.5	19	21	24.5	28.5	34	40
b_3	18.5	20.5	22.5	24	26	29.5	33.5	39	45

b_1) l ≤ 125 mm **b_2) 125mm < l ≤ 200 mm** **b_3) l > 200 mm**

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

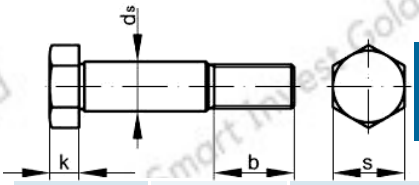
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
609	Partial filetat	8.8; 10.9	Natur	-
610	Partial filetat	8.8; 10.9	Natur	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

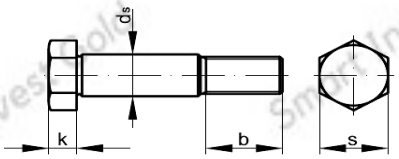


Surub de pasuire
DIN 609

M8x35	M10x220	M14x65	M16x105	M20x165	M24x125	M30x115	M30x330	M36x220
M8x40	M12x30	M14x70	M16x110	M20x170	M24x130	M30x120	M30x335	M36x225
M8x45	M12x35	M14x75	M16x115	M20x175	M24x135	M30x125	M30x340	M36x230
M8x50	M12x40	M14x80	M16x120	M20x180	M24x140	M30x130	M30x345	M36x235
M8x55	M12x45	M14x85	M16x125	M20x185	M24x145	M30x135	M30x350	M36x240
M8x60	M12x50	M14x90	M16x130	M20x190	M24x150	M30x140	M30x355	M36x245
M8x65	M12x55	M14x95	M16x135	M20x195	M24x155	M30x145	M30x360	M36x250
M8x70	M12x60	M14x100	M16x140	M20x200	M24x160	M30x150	M30x365	M36x255
M8x80	M12x65	M14x105	M16x145	M20x205	M24x165	M30x155	M30x370	M36x260
M8x90	M12x70	M14x110	M16x150	M20x210	M24x170	M30x160	M30x375	M36x265
M8x100	M12x75	M14x115	M16x155	M20x215	M24x175	M30x165	M30x380	M36x270
M8x110	M12x80	M14x120	M16x160	M20x220	M24x180	M30x170	M30x385	M36x275
M8x120	M12x85	M14x125	M16x165	M20x225	M24x185	M30x175	M30x390	M36x280
M8x130	M12x90	M14x130	M16x170	M20x230	M24x190	M30x180	M30x395	M36x285
M8x140	M12x95	M14x135	M16x175	M20x235	M24x195	M30x185	M30x400	M36x290
M8x150	M12x100	M14x140	M16x180	M20x240	M24x200	M30x190	M36x80	M36x295
M8x160	M12x105	M14x145	M16x185	M20x245	M24x205	M30x195	M36x85	M36x300
M8x170	M12x110	M14x150	M16x190	M20x250	M24x210	M30x200	M36x90	M36x305
M8x180	M12x115	M14x155	M16x195	M20x255	M24x215	M30x205	M36x95	M36x310
M8x190	M12x120	M14x160	M16x200	M20x260	M24x220	M30x210	M36x100	M36x315
M8x200	M12x125	M14x165	M20x50	M20x265	M24x225	M30x215	M36x105	M36x320
M10x35	M12x130	M14x170	M20x55	M20x270	M24x230	M30x220	M36x110	M36x325
M10x40	M12x135	M14x175	M20x60	M20x275	M24x235	M30x225	M36x115	M36x330
M10x45	M12x140	M14x180	M20x65	M20x280	M24x240	M30x230	M36x120	M36x335
M10x50	M12x145	M14x185	M20x70	M20x285	M24x245	M30x235	M36x125	M36x340
M10x55	M12x150	M14x190	M20x75	M20x290	M24x250	M30x240	M36x130	M36x345
M10x60	M12x155	M14x195	M20x80	M20x295	M24x255	M30x245	M36x135	M36x350
M10x65	M12x160	M14x200	M20x85	M20x300	M24x260	M30x250	M36x140	M36x355
M10x70	M12x165	M16x30	M20x90	M24x50	M24x265	M30x255	M36x145	M36x360
M10x80	M12x170	M16x35	M20x95	M24x55	M24x270	M30x260	M36x150	M36x365
M10x90	M12x175	M16x40	M20x100	M24x60	M24x275	M30x265	M36x155	M36x370
M10x100	M12x180	M16x45	M20x105	M24x65	M24x280	M30x270	M36x160	M36x375
M10x110	M12x185	M16x50	M20x110	M24x70	M24x285	M30x275	M36x165	M36x380
M10x120	M12x190	M16x55	M20x115	M24x75	M24x290	M30x280	M36x170	M36x385
M10x130	M12x195	M16x60	M20x120	M24x80	M24x295	M30x285	M36x175	M36x390
M10x140	M12x200	M16x65	M20x125	M24x85	M24x300	M30x290	M36x180	M36x395
M10x150	M14x30	M16x70	M20x130	M24x90	M30x80	M30x295	M36x185	M36x400
M10x160	M14x35	M16x75	M20x135	M24x95	M30x85	M30x300	M36x190	
M10x170	M14x40	M16x80	M20x140	M24x100	M30x90	M30x305	M36x195	
M10x180	M14x45	M16x85	M20x145	M24x105	M30x95	M30x310	M36x200	
M10x190	M14x50	M16x90	M20x150	M24x110	M30x100	M30x315	M36x205	
M10x200	M14x55	M16x95	M20x155	M24x115	M30x105	M30x320	M36x210	
M10x210	M14x60	M16x100	M20x160	M24x120	M30x110	M30x325	M36x215	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit



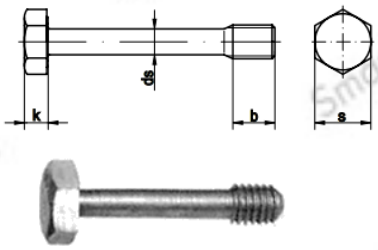
Surub de pasuire
DIN 610

M8x35	M10x200	M14x45	M16x75	M18x125	M20x75	M20x280	M24x230	M30x210
M8x40	M10x210	M14x50	M16x80	M18x130	M20x80	M20x285	M24x235	M30x215
M8x45	M10x220	M14x55	M16x85	M18x135	M20x85	M20x290	M24x240	M30x220
M8x50	M12x30	M14x60	M16x90	M18x140	M20x90	M20x295	M24x245	M30x225
M8x55	M12x35	M14x65	M16x95	M18x145	M20x95	M20x300	M24x250	M30x230
M8x60	M12x40	M14x70	M16x100	M18x150	M20x100	M24x50	M24x255	M30x235
M8x65	M12x45	M14x75	M16x105	M18x155	M20x105	M24x55	M24x260	M30x240
M8x70	M12x50	M14x80	M16x110	M18x160	M20x110	M24x60	M24x265	M30x245
M8x80	M12x55	M14x85	M16x115	M18x165	M20x115	M24x65	M24x270	M30x250
M8x90	M12x60	M14x90	M16x120	M18x170	M20x120	M24x70	M24x275	M30x255
M8x100	M12x65	M14x95	M16x125	M18x175	M20x125	M24x75	M24x280	M30x260
M8x110	M12x70	M14x100	M16x130	M18x180	M20x130	M24x80	M24x285	M30x265
M8x120	M12x75	M14x105	M16x135	M18x185	M20x135	M24x85	M24x290	M30x270
M8x130	M12x80	M14x110	M16x140	M18x190	M20x140	M24x90	M24x295	M30x275
M8x140	M12x85	M14x115	M16x145	M18x195	M20x145	M24x95	M24x300	M30x280
M8x150	M12x90	M14x120	M16x150	M18x200	M20x150	M24x100	M30x80	M30x285
M8x160	M12x95	M14x125	M16x155	M18x205	M20x155	M24x105	M30x85	M30x290
M8x170	M12x100	M14x130	M16x160	M18x210	M20x160	M24x110	M30x90	M30x295
M8x180	M12x105	M14x135	M16x165	M18x215	M20x165	M24x115	M30x95	M30x300
M8x190	M12x110	M14x140	M16x170	M18x220	M20x170	M24x120	M30x100	M30x305
M8x200	M12x115	M14x145	M16x175	M18x225	M20x175	M24x125	M30x105	M30x310
M10x35	M12x120	M14x150	M16x180	M18x230	M20x180	M24x130	M30x110	M30x315
M10x40	M12x125	M14x155	M16x185	M18x235	M20x185	M24x135	M30x115	M30x320
M10x45	M12x130	M14x160	M16x190	M18x240	M20x190	M24x140	M30x120	M30x325
M10x50	M12x135	M14x165	M16x195	M18x245	M20x195	M24x145	M30x125	M30x330
M10x55	M12x140	M14x170	M16x200	M18x250	M20x200	M24x150	M30x130	M30x335
M10x60	M12x145	M14x175	M18x50	M18x255	M20x205	M24x155	M30x135	M30x340
M10x65	M12x150	M14x180	M18x55	M18x260	M20x210	M24x160	M30x140	M30x345
M10x70	M12x155	M14x185	M18x60	M18x265	M20x215	M24x165	M30x145	M30x350
M10x80	M12x160	M14x190	M18x65	M18x270	M20x220	M24x170	M30x150	M30x355
M10x90	M12x165	M14x195	M18x70	M18x275	M20x225	M24x175	M30x155	M30x360
M10x100	M12x170	M14x200	M18x75	M18x280	M20x230	M24x180	M30x160	M30x365
M10x110	M12x175	M16x30	M18x80	M18x285	M20x235	M24x185	M30x165	M30x370
M10x120	M12x180	M16x35	M18x85	M18x290	M20x240	M24x190	M30x170	M30x375
M10x130	M12x185	M16x40	M18x90	M18x295	M20x245	M24x195	M30x175	M30x380
M10x140	M12x190	M16x45	M18x95	M18x300	M20x250	M24x200	M30x180	M30x385
M10x150	M12x195	M16x50	M18x100	M20x50	M20x255	M24x205	M30x185	M30x390
M10x160	M12x200	M16x55	M18x105	M20x55	M20x260	M24x210	M30x190	M30x395
M10x170	M14x30	M16x60	M18x110	M20x60	M20x265	M24x215	M30x195	M30x400
M10x180	M14x35	M16x65	M18x115	M20x65	M20x270	M24x220	M30x200	
M10x190	M14x40	M16x70	M18x120	M20x70	M20x275	M24x225	M30x205	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
©SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

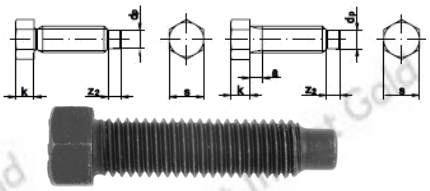
Surub de pasuire
1.35 DIN 7964



Dimensiuni	M8	M10
s	13	16
k	5.3	6.4
$d_{s\ min}$	6	7.5
b	10	12.5

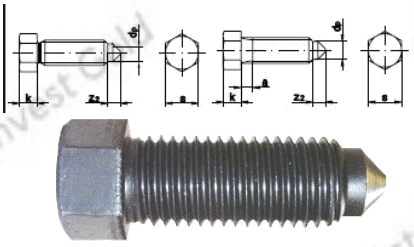
DIN 7964 -Surub de pasuire
(Bolts with waisted shanks)

Surub cu cap hexagonal si varf cilindric/ conic
1.36 DIN 561 / DIN 564



Dimensiuni	M 6	M 8	M 10	M 12	M 16	M 20	M 24	M 30
k	5	6	7	9	11	14	17	21
s	8	10	13	16	18	24	30	36
a (type B)	2.5	3	4	4	4.5	6	7	7.5
z_2	3	4	5	6	8	10	12	15
d_p	4	5.5	7	8.5	12	15	18	23

DIN 561 (STAS 5259)
Surub cu cap hexagonal si varf cilindric
(Hexagon set screw with full dog point)



DIN 564 (STAS 4922)
Surub cu cap hexagonal si varf conic
(Hexagon set screw with flat cone point)

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

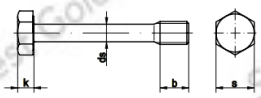
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7964	Total sau partial	-	Natur	INOX A2
561 ; 564	Total filetat	8.8	Natur; Brunat; Zincat electrolitic; Zincat termic(HDG)	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

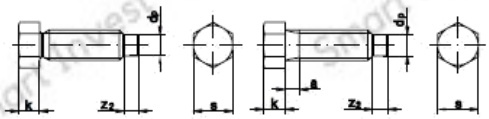
Smart Invest Gold
fastener business unit

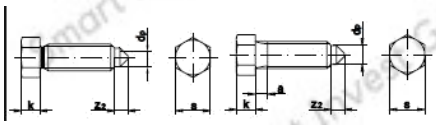


Surub de pasuire
DIN 7964

M8x35	M8x60	M8x100	M8x150	M8x200	M10x55	M10x90	M10x140	M10x190
M8x40	M8x65	M8x110	M8x160	M10x35	M10x60	M10x100	M10x150	M10x200
M8x45	M8x70	M8x120	M8x170	M10x40	M10x65	M10x110	M10x160	M10x210
M8x50	M8x80	M8x130	M8x180	M10x45	M10x70	M10x120	M10x170	M10x220
M8x55	M8x90	M8x140	M8x190	M10x50	M10x80	M10x130	M10x180	

Surub cu cap hexagonal si varf cilindric/ conic
DIN 561 / DIN 564





M6x20	M8x170	M12x60	M16x50	M20x60	M20x225	M24x135	M24x300	M30x270
M6x25	M8x180	M12x65	M16x55	M20x65	M20x230	M24x140	M30x110	M30x275
M6x30	M8x190	M12x70	M16x60	M20x70	M20x235	M24x145	M30x115	M30x280
M6x35	M8x200	M12x75	M16x65	M20x75	M20x240	M24x150	M30x120	M30x285
M6x40	M10x35	M12x80	M16x70	M20x80	M20x245	M24x155	M30x125	M30x290
M6x45	M10x40	M12x85	M16x75	M20x85	M20x250	M24x160	M30x130	M30x295
M6x50	M10x45	M12x90	M16x80	M20x90	M20x255	M24x165	M30x135	M30x300
M6x55	M10x50	M12x95	M16x85	M20x95	M20x260	M24x170	M30x140	M30x305
M6x60	M10x55	M12x100	M16x90	M20x100	M20x265	M24x175	M30x145	M30x310
M6x65	M10x60	M12x105	M16x95	M20x105	M20x270	M24x180	M30x150	M30x315
M6x70	M10x65	M12x110	M16x100	M20x110	M20x275	M24x185	M30x155	M30x320
M6x75	M10x70	M12x115	M16x105	M20x115	M20x280	M24x190	M30x160	M30x325
M6x80	M10x80	M12x120	M16x110	M20x120	M20x285	M24x195	M30x165	M30x330
M6x85	M10x90	M12x125	M16x115	M20x125	M20x290	M24x200	M30x170	M30x335
M6x90	M10x100	M12x130	M16x120	M20x130	M20x295	M24x205	M30x175	M30x340
M6x95	M10x110	M12x135	M16x125	M20x135	M20x300	M24x210	M30x180	M30x345
M8x35	M10x120	M12x140	M16x130	M20x140	M24x50	M24x215	M30x185	M30x350
M8x40	M10x130	M12x145	M16x135	M20x145	M24x55	M24x220	M30x190	M30x355
M8x45	M10x140	M12x150	M16x140	M20x150	M24x60	M24x225	M30x195	M30x360
M8x50	M10x150	M12x155	M16x145	M20x155	M24x65	M24x230	M30x200	M30x365
M8x55	M10x160	M12x160	M16x150	M20x160	M24x70	M24x235	M30x205	M30x370
M8x60	M10x170	M12x165	M16x155	M20x165	M24x75	M24x240	M30x210	M30x375
M8x65	M10x180	M12x170	M16x160	M20x170	M24x80	M24x245	M30x215	M30x380
M8x70	M10x190	M12x175	M16x165	M20x175	M24x85	M24x250	M30x220	M30x385
M8x80	M10x200	M12x180	M16x170	M20x180	M24x90	M24x255	M30x225	M30x390
M8x90	M10x210	M12x185	M16x175	M20x185	M24x95	M24x260	M30x230	M30x395
M8x100	M10x220	M12x190	M16x180	M20x190	M24x100	M24x265	M30x235	M30x400
M8x110	M12x30	M12x195	M16x185	M20x195	M24x105	M24x270	M30x240	
M8x120	M12x35	M12x200	M16x190	M20x200	M24x110	M24x275	M30x245	
M8x130	M12x40	M16x30	M16x195	M20x205	M24x115	M24x280	M30x250	
M8x140	M12x45	M16x35	M16x200	M20x210	M24x120	M24x285	M30x255	
M8x150	M12x50	M16x40	M20x50	M20x215	M24x125	M24x290	M30x260	
M8x160	M12x55	M16x45	M20x55	M20x220	M24x130	M24x295	M30x265	

©SMART INVEST GOLD SRL

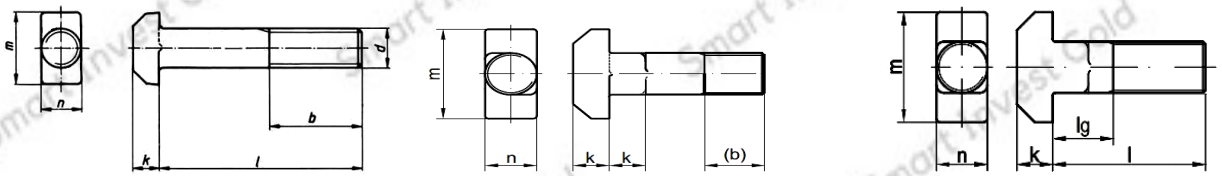
Smart Invest Gold
fastener business unit

Surub cap T cu gat
1.37 DIN 186 / DIN 188 / DIN 261

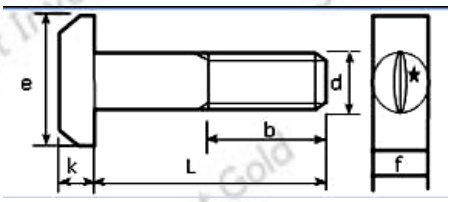


DIN 186 (STAS 2568) -Șurub cap T cu gat
DIN 188 (STAS 2569) -Șurub cap T cu gat
DIN 261- Șurub cap T cu gat
(T-head bolt with neck)

Dimensiuni	M 6	M8	M 10	M 12	M 16	M 20	M 24
m	16	18	21	26	30	36	43
n	6	8	10	12	16	20	24
k	4,5	5,5	7	8	10,5	13	15
lg (186 B)	10	13	16	19	25	31	37
b_1	18	22	26	30	38	46	54
b_2	-	-	-	-	44	52	60



Surub cap T cu gat
1.38 DIN 7992



Dimensiuni	M24	M30	M36	M42	M48	M56	M64
e	65	75	85	95	110	125	140
k	18	22	25	30	35	40	50
f	24	30	36	42	48	56	64
b	100	120	140	170	200	220	240



DIN 7992 -Șurub cap T cu gat
(T- head bolt with neck)

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

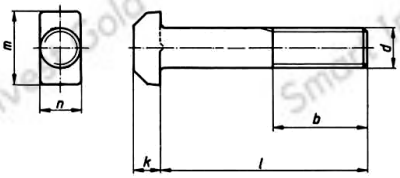
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

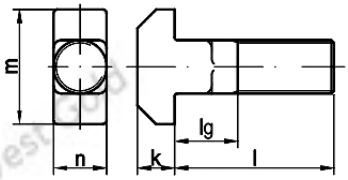
DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
186; 188; 261	Total sau partial	4.6; 8.8; 10.9	Natur; Brunat; Zincat	INOX A2; INOX A4
7992	Partial filetat	4.6; 8.8; 10.9	Zincat electrolitic	-

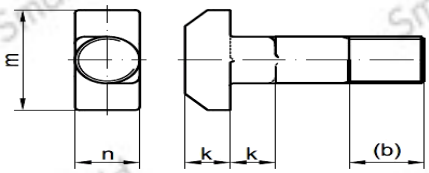
© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



Surub cap T cu gat
DIN 186 / DIN 188 / DIN 261

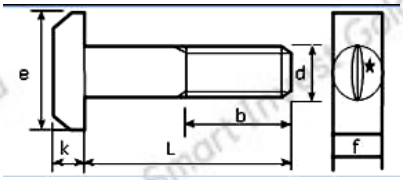




M6x20	M8x90	M10x130	M12x105	M16x105	M20x80	M20x205	M24x75	M24x200
M6x25	M8x100	M10x140	M12x110	M16x110	M20x85	M20x210	M24x80	M24x205
M6x30	M8x110	M10x150	M12x115	M16x115	M20x90	M20x215	M24x85	M24x210
M6x35	M8x120	M10x160	M12x120	M16x120	M20x95	M20x220	M24x90	M24x215
M6x40	M8x130	M10x170	M12x125	M16x125	M20x100	M20x225	M24x95	M24x220
M6x45	M8x140	M10x180	M12x130	M16x130	M20x105	M20x230	M24x100	M24x225
M6x50	M8x150	M10x190	M12x135	M16x135	M20x110	M20x235	M24x105	M24x230
M6x55	M8x160	M10x200	M12x140	M16x140	M20x115	M20x240	M24x110	M24x235
M6x60	M8x170	M10x210	M12x145	M16x145	M20x120	M20x245	M24x115	M24x240
M6x65	M8x180	M10x220	M12x150	M16x150	M20x125	M20x250	M24x120	M24x245
M6x70	M8x190	M12x30	M12x155	M16x155	M20x130	M20x255	M24x125	M24x250
M6x75	M8x200	M12x35	M12x160	M16x160	M20x135	M20x260	M24x130	M24x255
M6x80	M10x35	M12x40	M12x165	M16x165	M20x140	M20x265	M24x135	M24x260
M6x85	M10x40	M12x45	M12x170	M16x170	M20x145	M20x270	M24x140	M24x265
M6x90	M10x45	M12x50	M12x175	M16x175	M20x150	M20x275	M24x145	M24x270
M6x95	M10x50	M12x55	M12x180	M16x180	M20x155	M20x280	M24x150	M24x275
M8x35	M10x55	M12x60	M12x185	M16x185	M20x160	M20x285	M24x155	M24x280
M8x40	M10x60	M12x65	M12x190	M16x190	M20x165	M20x290	M24x160	M24x285
M8x45	M10x65	M12x70	M12x195	M16x195	M20x170	M20x295	M24x165	M24x290
M8x50	M10x70	M12x75	M12x200	M20x50	M20x175	M20x300	M24x170	M24x295
M8x55	M10x80	M12x80	M16x80	M20x55	M20x180	M24x50	M24x175	M24x300
M8x60	M10x90	M12x85	M16x85	M20x60	M20x185	M24x55	M24x180	
M8x65	M10x100	M12x90	M16x90	M20x65	M20x190	M24x60	M24x185	
M8x70	M10x110	M12x95	M16x95	M20x70	M20x195	M24x65	M24x190	
M8x80	M10x120	M12x100	M16x100	M20x75	M20x200	M24x70	M24x195	

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



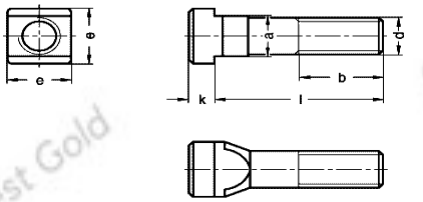
Surub cap T cu gat
DIN 7992

M24x50	M24x235	M30x195	M30x380	M36x240	M42x100	M42x285	M48x230	M64x190
M24x55	M24x240	M30x200	M30x385	M36x245	M42x105	M42x290	M48x240	M64x200
M24x60	M24x245	M30x205	M30x390	M36x250	M42x110	M42x295	M48x250	M64x210
M24x65	M24x250	M30x210	M30x395	M36x255	M42x115	M42x300	M48x260	M64x220
M24x70	M24x255	M30x215	M30x400	M36x260	M42x120	M42x305	M48x270	M64x230
M24x75	M24x260	M30x220	M36x80	M36x265	M42x125	M42x310	M48x280	M64x240
M24x80	M24x265	M30x225	M36x85	M36x270	M42x130	M42x315	M48x290	M64x250
M24x85	M24x270	M30x230	M36x90	M36x275	M42x135	M42x320	M48x300	M64x260
M24x90	M24x275	M30x235	M36x95	M36x280	M42x140	M42x325	M48x310	M64x270
M24x95	M24x280	M30x240	M36x100	M36x285	M42x145	M42x330	M48x320	M64x280
M24x100	M24x285	M30x245	M36x105	M36x290	M42x150	M42x335	M48x330	M64x290
M24x105	M24x290	M30x250	M36x110	M36x295	M42x155	M42x340	M48x340	M64x300
M24x110	M24x295	M30x255	M36x115	M36x300	M42x160	M42x345	M48x350	M64x310
M24x115	M24x300	M30x260	M36x120	M36x305	M42x165	M42x350	M48x360	M64x320
M24x120	M30x80	M30x265	M36x125	M36x310	M42x170	M42x355	M48x370	M64x330
M24x125	M30x85	M30x270	M36x130	M36x315	M42x175	M42x360	M48x380	M64x340
M24x130	M30x90	M30x275	M36x135	M36x320	M42x180	M42x365	M48x390	M64x350
M24x135	M30x95	M30x280	M36x140	M36x325	M42x185	M42x370	M48x400	M64x360
M24x140	M30x100	M30x285	M36x145	M36x330	M42x190	M42x375	M48x410	M64x370
M24x145	M30x105	M30x290	M36x150	M36x335	M42x195	M42x380	M48x420	M64x380
M24x150	M30x110	M30x295	M36x155	M36x340	M42x200	M42x385	M48x430	M64x390
M24x155	M30x115	M30x300	M36x160	M36x345	M42x205	M42x390	M48x440	M64x400
M24x160	M30x120	M30x305	M36x165	M36x350	M42x210	M42x395	M48x450	M64x410
M24x165	M30x125	M30x310	M36x170	M36x355	M42x215	M42x400	M48x460	M64x420
M24x170	M30x130	M30x315	M36x175	M36x360	M42x220	M48x100	M48x470	M64x430
M24x175	M30x135	M30x320	M36x180	M36x365	M42x225	M48x110	M48x480	M64x440
M24x180	M30x140	M30x325	M36x185	M36x370	M42x230	M48x120	M48x490	M64x450
M24x185	M30x145	M30x330	M36x190	M36x375	M42x235	M48x130	M48x500	M64x460
M24x190	M30x150	M30x335	M36x195	M36x380	M42x240	M48x140	M64x100	M64x470
M24x195	M30x155	M30x340	M36x200	M36x385	M42x245	M48x150	M64x110	M64x480
M24x200	M30x160	M30x345	M36x205	M36x390	M42x250	M48x160	M64x120	M64x490
M24x205	M30x165	M30x350	M36x210	M36x395	M42x255	M48x170	M64x130	M64x500
M24x210	M30x170	M30x355	M36x215	M36x400	M42x260	M48x180	M64x140	
M24x215	M30x175	M30x360	M36x220	M42x80	M42x265	M48x190	M64x150	
M24x220	M30x180	M30x365	M36x225	M42x85	M42x270	M48x200	M64x160	
M24x225	M30x185	M30x370	M36x230	M42x90	M42x275	M48x210	M64x170	
M24x230	M30x190	M30x375	M36x235	M42x95	M42x280	M48x220	M64x180	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cap T cu gat
1.39 DIN 787





DIN 787 (STAS 1386) -Şurub cap T cu gat
(T-head bolt with neck)

Dimensiuni	M8	M10	M12
a_{max}	7.7	9.7	11.7
l	32/40/50/65/80	32/40/50/65/100	40/50/65/80/100/125/ 200/250/320
b	20/30/35/40/45	20/30/35/40/60	30/35/40/50/60/70/100 /120/120
e_1/d_2	13/16	15/20	18/25
f	1.6	1.6	2.5
k	6	6	7
for T-slots	8	10	12

Dimensiuni	M16		M20	M24	
a_{max}	15.7	17.7	19.7	23.7	27.7
l	65/80/10/125/160/200/250		65/80/100/125/160 /200/250/320/400	100/160/250/315	
b	40/50/60/70/80/100/120		40/50/60/70/80/ 100/120/120/120	60/80/120/120	
e_1/d_2	25	25	32	40	44
f	2.5	2.5	2.5	-4	4
k	9	9	12	16	18
for T-slots	16	18	20	24	28

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

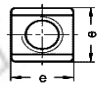
IMPORTANT!

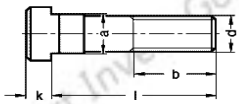
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

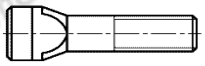
DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
787	Partial filetat	8.8	Natur	-

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit







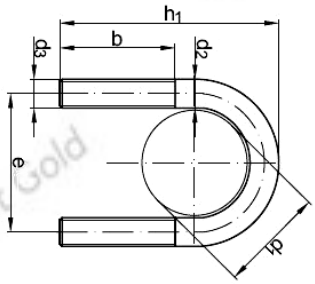
Surub cap T cu gat
DIN 787

M8x35	M10x45	M12x40	M12x155	M16x145	M20x110	M20x225	M24x85	M24x200
M8x40	M10x50	M12x45	M12x160	M16x150	M20x115	M20x230	M24x90	M24x205
M8x45	M10x55	M12x50	M12x165	M16x155	M20x120	M20x235	M24x95	M24x210
M8x50	M10x60	M12x55	M12x170	M16x160	M20x125	M20x240	M24x100	M24x215
M8x55	M10x65	M12x60	M12x175	M16x165	M20x130	M20x245	M24x105	M24x220
M8x60	M10x70	M12x65	M12x180	M16x170	M20x135	M20x250	M24x110	M24x225
M8x65	M10x80	M12x70	M12x185	M16x175	M20x140	M20x255	M24x115	M24x230
M8x70	M10x90	M12x75	M12x190	M16x180	M20x145	M20x260	M24x120	M24x235
M8x80	M10x100	M12x80	M12x195	M16x185	M20x150	M20x265	M24x125	M24x240
M8x90	M10x110	M12x85	M12x200	M16x190	M20x155	M20x270	M24x130	M24x245
M8x100	M10x120	M12x90	M16x80	M16x195	M20x160	M20x275	M24x135	M24x250
M8x110	M10x130	M12x95	M16x85	M20x50	M20x165	M20x280	M24x140	M24x255
M8x120	M10x140	M12x100	M16x90	M20x55	M20x170	M20x285	M24x145	M24x260
M8x130	M10x150	M12x105	M16x95	M20x60	M20x175	M20x290	M24x150	M24x265
M8x140	M10x160	M12x110	M16x100	M20x65	M20x180	M20x295	M24x155	M24x270
M8x150	M10x170	M12x115	M16x105	M20x70	M20x185	M20x300	M24x160	M24x275
M8x160	M10x180	M12x120	M16x110	M20x75	M20x190	M24x50	M24x165	M24x280
M8x170	M10x190	M12x125	M16x115	M20x80	M20x195	M24x55	M24x170	M24x285
M8x180	M10x200	M12x130	M16x120	M20x85	M20x200	M24x60	M24x175	M24x290
M8x190	M10x210	M12x135	M16x125	M20x90	M20x205	M24x65	M24x180	M24x295
M8x200	M10x220	M12x140	M16x130	M20x95	M20x210	M24x70	M24x185	M24x300
M10x35	M12x30	M12x145	M16x135	M20x100	M20x215	M24x75	M24x190	
M10x40	M12x35	M12x150	M16x140	M20x105	M20x220	M24x80	M24x195	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub forma U- bolts
1.40 DIN 3570





DIN 3570 -Surub forma U-bolts
(Steel strap)

Dimensiuni	23*	30	38	46	52	64	82	94
d_1	20-21	25-26.9	30-33.7	38-42.4	44.5-48.3	57-60.3	76.1	88.9
b	30	40	40	50	50	50	50	50
d_2	10	10	10	10	10	12	12	12
d_3	M 10	M 10	M 10	M 10	M 10	M 12	M 12	M 12
e	33	40	48	56	62	76	94	106
h_1	60	70	76	86	92	109	125	138
Dimensiuni	**120**	**148**	**176**	**228**	**282**	**332**	**530**	
d_1	108-114.3	133-139.7	159-168.3	216-219.1	267-273	318-323.9	508-521	
b	60	60	60	70	70	70	70	
d_2	16	16	16	20	20	20	24	
d_3	M 16	M 16	M 16	M 20	M 20	M 20	M 24	
e	136	164	192	248	302	352	554	
h_1	171	191	217	283	334	385	589	

Informatii utile:

- Sa mentionati cum doriti diametrul partii nefiletate .exista d1=m sau d1<m
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

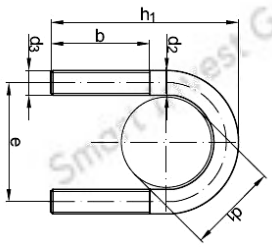
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305
- Se foloseste cu cate 2 piulite pe capete

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
3570	Total sau partial filetat	-	Natur; Zincat; Zincat termic (HDG)	INOX A4

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



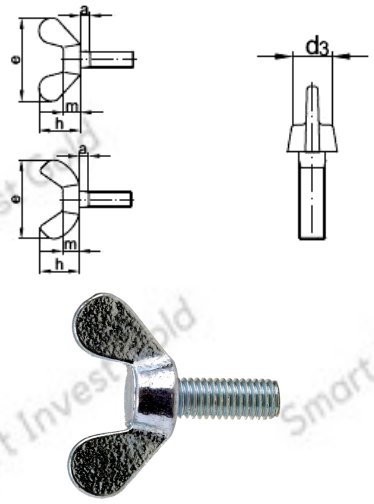
Surub forma U- bolts
DIN 3570

M30x80	M30x165	M30x250	M30x335	M52x130	M52x300	M52x470	M64x230	M64x400
M30x85	M30x170	M30x255	M30x340	M52x140	M52x310	M52x480	M64x240	M64x410
M30x90	M30x175	M30x260	M30x345	M52x150	M52x320	M52x490	M64x250	M64x420
M30x95	M30x180	M30x265	M30x350	M52x160	M52x330	M52x500	M64x260	M64x430
M30x100	M30x185	M30x270	M30x355	M52x170	M52x340	M64x100	M64x270	M64x440
M30x105	M30x190	M30x275	M30x360	M52x180	M52x350	M64x110	M64x280	M64x450
M30x110	M30x195	M30x280	M30x365	M52x190	M52x360	M64x120	M64x290	M64x460
M30x115	M30x200	M30x285	M30x370	M52x200	M52x370	M64x130	M64x300	M64x470
M30x120	M30x205	M30x290	M30x375	M52x210	M52x380	M64x140	M64x310	M64x480
M30x125	M30x210	M30x295	M30x380	M52x220	M52x390	M64x150	M64x320	M64x490
M30x130	M30x215	M30x300	M30x385	M52x230	M52x400	M64x160	M64x330	M64x500
M30x135	M30x220	M30x305	M30x390	M52x240	M52x410	M64x170	M64x340	
M30x140	M30x225	M30x310	M30x395	M52x250	M52x420	M64x180	M64x350	
M30x145	M30x230	M30x315	M30x400	M52x260	M52x430	M64x190	M64x360	
M30x150	M30x235	M30x320	M52x100	M52x270	M52x440	M64x200	M64x370	
M30x155	M30x240	M30x325	M52x110	M52x280	M52x450	M64x210	M64x380	
M30x160	M30x245	M30x330	M52x120	M52x290	M52x460	M64x220	M64x390	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

Surub Fluture
1.41 DIN 316



Dimensiuni	M4	M5	M6	M8	M10	M12
e	20/21	26/26,5	33/32	39/38	51 /50	65/66
h	10,5/11	13	17/16	20/19	25/24	33,5 / 32
m	4,6	6,5/6	8/7	10/8,5	12/10	14/13
d_3	7	9	11	12,5	16,5/16	19,5/19
a	2,1	2,4	3	4	4,5	5,3

DIN 316 -Surub Fluture
(Wing screw)

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

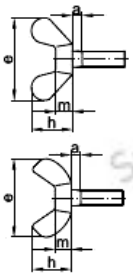
IMPORTANT!

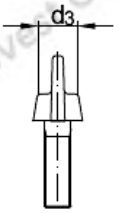
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
316	Total filetat	-	Natur; Zincat; Alama; Poliamida	INOX A2; INOX A4

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit





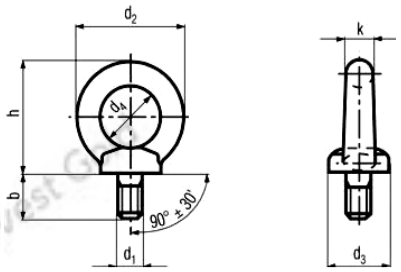
Surub Fluture
DIN 316

M4x20	M5x55	M6x55	M8x55	M8x170	M10x90	M10x220	M12x90	M12x155
M4x25	M5x60	M6x60	M8x60	M8x180	M10x100	M12x30	M12x95	M12x160
M4x30	M5x65	M6x65	M8x65	M8x190	M10x110	M12x35	M12x100	M12x165
M4x35	M5x70	M6x70	M8x70	M8x200	M10x120	M12x40	M12x105	M12x170
M4x40	M5x75	M6x75	M8x80	M10x35	M10x130	M12x45	M12x110	M12x175
M4x45	M5x80	M6x80	M8x90	M10x40	M10x140	M12x50	M12x115	M12x180
M4x50	M6x20	M6x85	M8x100	M10x45	M10x150	M12x55	M12x120	M12x185
M5x25	M6x25	M6x90	M8x110	M10x50	M10x160	M12x60	M12x125	M12x190
M5x30	M6x30	M6x95	M8x120	M10x55	M10x170	M12x65	M12x130	M12x195
M5x35	M6x35	M8x35	M8x130	M10x60	M10x180	M12x70	M12x135	M12x200
M5x40	M6x40	M8x40	M8x140	M10x65	M10x190	M12x75	M12x140	
M5x45	M6x45	M8x45	M8x150	M10x70	M10x200	M12x80	M12x145	
M5x50	M6x50	M8x50	M8x160	M10x80	M10x210	M12x85	M12x150	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub de ridicare
1.42 DIN 580





DIN 580 (ISO 3266; UNI 2947)
Surub de ridicare (Ochet-tata)
(Lifting eye bolt)

Dimensiuni	M6	M8	M10	M12	M16	M20	M24	M30
d_2	17	20	25	30	35	40	50	65
d_3	28	36	45	54	63	72	90	108
d_4	16	20	25	30	35	40	50	60
h	31	36	45	53	62	71	90	109
e	4	6	8	10	12	14	18	22
k	6	8	10	12	14	16	20	14
Dimensiuni	**M36**	**M42**	**M48**	**M56**	**M64**	**M72x6**	**M80x6**	**M100x6**
d_2	75	85	100	110	120	150	170	190
d_3	126	144	166	184	206	260	296	330
d_4	70	80	90	100	110	140	160	180
h	128	147	168	187	208	260	298	330
e	26	30	35	38	42	50	55	60
k	28	32	38	42	48	60	68	75

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

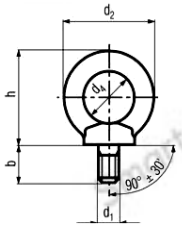
IMPORTANT!

- In functie de ce rezistente se solicita putem sa va ofertam suruburi/piulite de ridicare altele decat dupa standard.
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
580	Total filetat	C15	Natur; Zincat; Zincat galben; Zincat termic(HDG)	INOX A2; INOX A4

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit





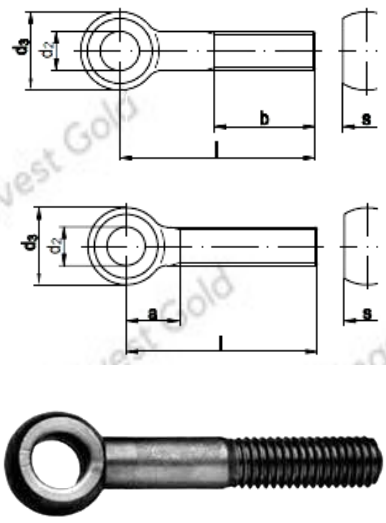
Surub de ridicare
DIN 580

M6x20	M10x80	M12x180	M20x75	M20x300	M30x105	M30x330	M36x230	M42x130
M6x25	M10x90	M12x185	M20x80	M24x50	M30x110	M30x335	M36x235	M42x135
M6x30	M10x100	M12x190	M20x85	M24x55	M30x115	M30x340	M36x240	M42x140
M6x35	M10x110	M12x195	M20x90	M24x60	M30x120	M30x345	M36x245	M42x145
M6x40	M10x120	M12x200	M20x95	M24x65	M30x125	M30x350	M36x250	M42x150
M6x45	M10x130	M16x30	M20x100	M24x70	M30x130	M30x355	M36x255	M42x155
M6x50	M10x140	M16x35	M20x105	M24x75	M30x135	M30x360	M36x260	M42x160
M6x55	M10x150	M16x40	M20x110	M24x80	M30x140	M30x365	M36x265	M42x165
M6x60	M10x160	M16x45	M20x115	M24x85	M30x145	M30x370	M36x270	M42x170
M6x65	M10x170	M16x50	M20x120	M24x90	M30x150	M30x375	M36x275	M42x175
M6x70	M10x180	M16x55	M20x125	M24x95	M30x155	M30x380	M36x280	M42x180
M6x75	M10x190	M16x60	M20x130	M24x100	M30x160	M30x385	M36x285	M42x185
M6x80	M10x200	M16x65	M20x135	M24x105	M30x165	M30x390	M36x290	M42x190
M6x85	M10x210	M16x70	M20x140	M24x110	M30x170	M30x395	M36x295	M42x195
M6x90	M10x220	M16x75	M20x145	M24x115	M30x175	M30x400	M36x300	M42x200
M6x95	M12x30	M16x80	M20x150	M24x120	M30x180	M36x80	M36x305	M42x205
M8x35	M12x35	M16x85	M20x155	M24x125	M30x185	M36x85	M36x310	M42x210
M8x40	M12x40	M16x90	M20x160	M24x130	M30x190	M36x90	M36x315	M42x215
M8x45	M12x45	M16x95	M20x165	M24x135	M30x195	M36x95	M36x320	M42x220
M8x50	M12x50	M16x100	M20x170	M24x140	M30x200	M36x100	M36x325	M42x225
M8x55	M12x55	M16x105	M20x175	M24x145	M30x205	M36x105	M36x330	M42x230
M8x60	M12x60	M16x110	M20x180	M24x150	M30x210	M36x110	M36x335	M42x235
M8x65	M12x65	M16x115	M20x185	M24x155	M30x215	M36x115	M36x340	M42x240
M8x70	M12x70	M16x120	M20x190	M24x160	M30x220	M36x120	M36x345	M42x245
M8x80	M12x75	M16x125	M20x195	M24x165	M30x225	M36x125	M36x350	M42x250
M8x90	M12x80	M16x130	M20x200	M24x170	M30x230	M36x130	M36x355	M42x255
M8x100	M12x85	M16x135	M20x205	M24x175	M30x235	M36x135	M36x360	M42x260
M8x110	M12x90	M16x140	M20x210	M24x180	M30x240	M36x140	M36x365	M42x265
M8x120	M12x95	M16x145	M20x215	M24x185	M30x245	M36x145	M36x370	M42x270
M8x130	M12x100	M16x150	M20x220	M24x190	M30x250	M36x150	M36x375	M42x275
M8x140	M12x105	M16x155	M20x225	M24x195	M30x255	M36x155	M36x380	M42x280
M8x150	M12x110	M16x160	M20x230	M24x200	M30x260	M36x160	M36x385	M42x285
M8x160	M12x115	M16x165	M20x235	M24x205	M30x265	M36x165	M36x390	M42x290
M8x170	M12x120	M16x170	M20x240	M24x210	M30x270	M36x170	M36x395	M42x295
M8x180	M12x125	M16x175	M20x245	M24x215	M30x275	M36x175	M36x400	M42x300
M8x190	M12x130	M16x180	M20x250	M24x220	M30x280	M36x180	M42x80	M42x305
M8x200	M12x135	M16x185	M20x255	M24x225	M30x285	M36x185	M42x85	M42x310
M10x35	M12x140	M16x190	M20x260	M24x230	M30x290	M36x190	M42x90	M42x315
M10x40	M12x145	M16x195	M20x265	M24x235	M30x295	M36x195	M42x95	M42x320
M10x45	M12x150	M16x200	M20x270	M24x240	M30x300	M36x200	M42x100	M42x325
M10x50	M12x155	M20x50	M20x275	M30x80	M30x305	M36x205	M42x105	M42x330
M10x55	M12x160	M20x55	M20x280	M30x85	M30x310	M36x210	M42x110	M42x335
M10x60	M12x165	M20x60	M20x285	M30x90	M30x315	M36x215	M42x115	M42x340
M10x65	M12x170	M20x65	M20x290	M30x95	M30x320	M36x220	M42x120	M42x345
M10x70	M12x175	M20x70	M20x295	M30x100	M30x325	M36x225	M42x125	M42x350

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cu ochi
1.43 DIN 444



DIN 444 -Surub cu ochi
(Eye Bolt)

Dimensiuni	M5	M6	M8	M10	M12
d_2	5	6	8	10	12
d_3	12	14	18	20	25
s	6	7	9	12	14
a	11	14	16	18	23
b_1	16	18	22	26	30
b_2	-	-	28	32	36
b_3	-	-	-	-	49
Dimensiuni	**M16**	**M20**	**M24**	**M30**	
d_2	16	18	22	27/28	
d_3	32	40	45	55	
s	17	22	25	30	
a	27	32	40	46	
b_1	38	46	54	66	
b_2	44	52	60	72	
b_3	57	65	73	85	

b_1) l ≤ 125 mm **b_2) 125mm < l ≤ 200 mm** **b_3) l > 200**

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

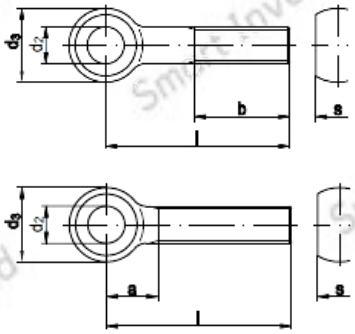
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
444	Total sau partial filetat	4.6	Natur; Zincat; Alama	INOX A2; INOX A4

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



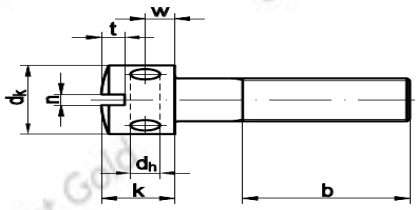
Surub cu ochi
DIN 444

M6x20	M8x160	M12x50	M16x35	M16x195	M20x200	M24x105	M30x100	M30x260
M6x25	M8x170	M12x55	M16x40	M16x200	M20x205	M24x110	M30x105	M30x265
M6x30	M8x180	M12x60	M16x45	M20x50	M20x210	M24x115	M30x110	M30x270
M6x35	M8x190	M12x65	M16x50	M20x55	M20x215	M24x120	M30x115	M30x275
M6x40	M8x200	M12x70	M16x55	M20x60	M20x220	M24x125	M30x120	M30x280
M6x45	M10x35	M12x75	M16x60	M20x65	M20x225	M24x130	M30x125	M30x285
M6x50	M10x40	M12x80	M16x65	M20x70	M20x230	M24x135	M30x130	M30x290
M6x55	M10x45	M12x85	M16x70	M20x75	M20x235	M24x140	M30x135	M30x295
M6x60	M10x50	M12x90	M16x75	M20x80	M20x240	M24x145	M30x140	M30x300
M6x65	M10x55	M12x95	M16x80	M20x85	M20x245	M24x150	M30x145	M30x305
M6x70	M10x60	M12x100	M16x85	M20x90	M20x250	M24x155	M30x150	M30x310
M6x75	M10x65	M12x105	M16x90	M20x95	M20x255	M24x160	M30x155	M30x315
M6x80	M10x70	M12x110	M16x95	M20x100	M20x260	M24x165	M30x160	M30x320
M6x85	M10x80	M12x115	M16x100	M20x105	M20x265	M24x170	M30x165	M30x325
M6x90	M10x90	M12x120	M16x105	M20x110	M20x270	M24x175	M30x170	M30x330
M6x95	M10x100	M12x125	M16x110	M20x115	M20x275	M24x180	M30x175	M30x335
M8x35	M10x110	M12x130	M16x115	M20x120	M20x280	M24x185	M30x180	M30x340
M8x40	M10x120	M12x135	M16x120	M20x125	M20x285	M24x190	M30x185	M30x345
M8x45	M10x130	M12x140	M16x125	M20x130	M20x290	M24x195	M30x190	M30x350
M8x50	M10x140	M12x145	M16x130	M20x135	M20x295	M24x200	M30x195	M30x355
M8x55	M10x150	M12x150	M16x135	M20x140	M20x300	M24x205	M30x200	M30x360
M8x60	M10x160	M12x155	M16x140	M20x145	M24x50	M24x210	M30x205	M30x365
M8x65	M10x170	M12x160	M16x145	M20x150	M24x55	M24x215	M30x210	M30x370
M8x70	M10x180	M12x165	M16x150	M20x155	M24x60	M24x220	M30x215	M30x375
M8x80	M10x190	M12x170	M16x155	M20x160	M24x65	M24x225	M30x220	M30x380
M8x90	M10x200	M12x175	M16x160	M20x165	M24x70	M24x230	M30x225	M30x385
M8x100	M10x210	M12x180	M16x165	M20x170	M24x75	M24x235	M30x230	M30x390
M8x110	M10x220	M12x185	M16x170	M20x175	M24x80	M24x240	M30x235	M30x395
M8x120	M12x30	M12x190	M16x175	M20x180	M24x85	M30x80	M30x240	M30x400
M8x130	M12x35	M12x195	M16x180	M20x185	M24x90	M30x85	M30x245	
M8x140	M12x40	M12x200	M16x185	M20x190	M24x95	M30x90	M30x250	
M8x150	M12x45	M16x30	M16x190	M20x195	M24x100	M30x95	M30x255	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cu cap crestat pentru sigilii
1.44 DIN 404





DIN 404 (STAS 4812; UNI 6111)
Șurub cu cap crestat pentru sigilii
(Thumbscrew for seals)

Dimensiuni	M 3	M 4	M 5	M 6	M 8	M 10
Ø d_k	5.5	7	8.5	10	13	16
k	4	5	6.5	8	10	12.5
n	0.8	1	1.2	1.6	2	2 5
t_{min}	1	1.4	1.7	2.2	2.7	3.5
Ø d_h	1.5	2	2.5	3	4	5
W	1.5	2	2.5	3	4	5
b	19	22	25	28	34	40
b_1) l ≤ 125 mm		b_2) 125mm < l ≤ 200 mm			b_3) l > 200 mm	

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

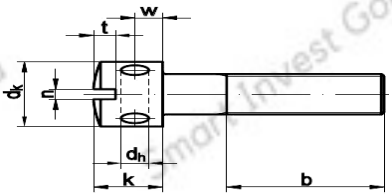
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
404	Total sau partial filetat	5.8	Natur; Zincat	-

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



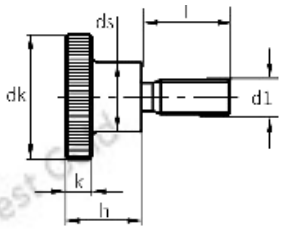
Surub cu cap crestat pentru sigilii
DIN 404

M3x04	M3x25	M4x35	M5x60	M6x50	M8x40	M8x120	M10x45	M10x130
M3x05	M3x28	M4x40	M5x65	M6x55	M8x45	M8x130	M10x50	M10x140
M3x06	M3x30	M4x45	M5x70	M6x60	M8x50	M8x140	M10x55	M10x150
M3x08	M3x35	M4x50	M5x75	M6x65	M8x55	M8x150	M10x60	M10x160
M3x10	M3x38	M5x25	M5x80	M6x70	M8x60	M8x160	M10x65	M10x170
M3x12	M3x40	M5x30	M6x20	M6x75	M8x65	M8x170	M10x70	M10x180
M3x14	M3x45	M5x35	M6x25	M6x80	M8x70	M8x180	M10x80	M10x190
M3x16	M3x50	M5x40	M6x30	M6x85	M8x80	M8x190	M10x90	M10x200
M3x18	M4x20	M5x45	M6x35	M6x90	M8x90	M8x200	M10x100	M10x210
M3x20	M4x25	M5x50	M6x40	M6x95	M8x100	M10x35	M10x110	M10x220
M3x22	M4x30	M5x55	M6x45	M8x35	M8x110	M10x40	M10x120	

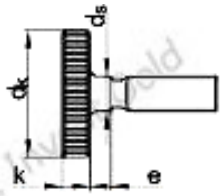
Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

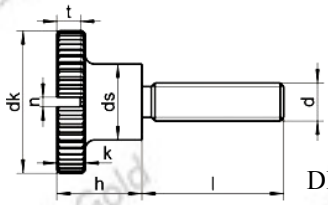
Surub cap striat, crestat si guler/ Surub cap striat/ Surub cap striat si guler
1.45 DIN 464 / DIN 465 / DIN 653



DIN 464



DIN 653

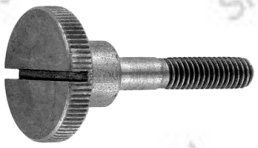


DIN 465

Dimensiuni	M3	M4	M5	M6	M8	M10
d_k	12	16	20	24	30	36
k	2.5	3.5	4.0	5.0	6.0	8.0
h	5.7	7.64	9.64	11.57	15.57	19.48
d_s	6	8	10	12	16	20

Dimensiuni	M3	M4	M5	M6	M8	M10
d_k	12	16	20	24	30	36
k	2.5	3.5	4.0	5.0	6.0	8.0
d_s	3	4	5	6	3	10
e	2	3	3	4	5	6

Dimensiuni	M3	M4	M5	M6		
k	2.5	3.5	4	5		
h	7.5	9.5	11.5	15		
d_s	6	8	10	12		
d_k	12	16	20	24		
n	0.8	1	1.2	1.6		
t	1.8	2.2	2.8	3.5		



DIN 465 (STAS 5303; UNI 6049)
Surub cap striat, crestat si guler
(Knurled thumb screw)



DIN 653 (STAS 5302; UNI 6048)
Surub cap striat
(Knurled thumb screw)



DIN 464 (STAS 5303; UNI 6049)
Surub cap striat si guler
(Knurled thumb screw)

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

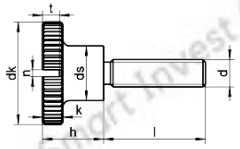
IMPORTANT!

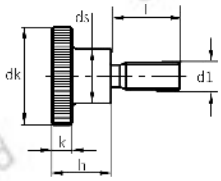
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

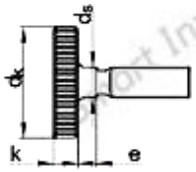
DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
464 ; 465 ; 653	Partial filetat	5.8	Zincat electrolitic	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit







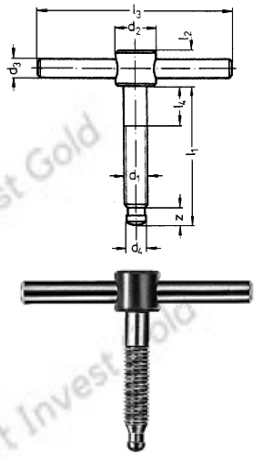
Surub cap striat, crestat si guler/ Surub cap striat/ Surub cap striat si guler DIN 464 / DIN 465 / DIN 653

M3x04	M3x25	M4x35	M5x60	M6x50	M8x40	M8x120	M10x45	M10x130
M3x05	M3x28	M4x40	M5x65	M6x55	M8x45	M8x130	M10x50	M10x140
M3x06	M3x30	M4x45	M5x70	M6x60	M8x50	M8x140	M10x55	M10x150
M3x08	M3x35	M4x50	M5x75	M6x65	M8x55	M8x150	M10x60	M10x160
M3x10	M3x38	M5x25	M5x80	M6x70	M8x60	M8x160	M10x65	M10x170
M3x12	M3x40	M5x30	M6x20	M6x75	M8x65	M8x170	M10x70	M10x180
M3x14	M3x45	M5x35	M6x25	M6x80	M8x70	M8x180	M10x80	M10x190
M3x16	M3x50	M5x40	M6x30	M6x85	M8x80	M8x190	M10x90	M10x200
M3x18	M4x20	M5x45	M6x35	M6x90	M8x90	M8x200	M10x100	M10x210
M3x20	M4x25	M5x50	M6x40	M6x95	M8x100	M10x35	M10x110	M10x220
M3x22	M4x30	M5x55	M6x45	M8x35	M8x110	M10x40	M10x120	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub Tommy
1.46 DIN 6304

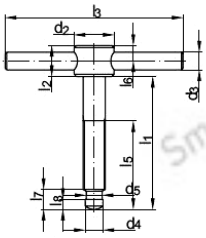


Dimensiuni	M 6	M 8	M 10	M 12	M 16	M 20
l1	40/50	50/60	60/70	70/80	75/90/100	75/90/100
d_2	12	14	18	20	24	30
d_3	5	6	8	10	12	16
d_4	4.5	6	8	8	12	15.5
d_5	4	5.4	7.2	7.2	11	14.4
l_2	10	12	14	18	20	28
l_3	50	60	80	100	120	140
l_4	30/40	35/45	40/50	50/60	55/70/90	55/70/90
l_5	5	5	7	9	10	14
l_6	6	7.5	9	10	12	14
l_7	2.5	3	4.5	4.5	5	5.5

DIN 6304 -Surub Tommy
(Tommy screw with fixed clamping bolt)

Surub Tommy
1.47 DIN 6305





Dimensiuni	M6	M8	M10	M12	M16	M20
l_1	40/50	50/60	60/70	70/80	75/90/100	75/90/100
d_1	12	14	18	20	24	30
d_3	5	6	8	10	12	16
d_4	4,5	6	8	8	12	15,5
d_5	4	5,4	7,2	7,2	11	14,4
l_2	10	12	14	18	20	28
l_3	50	60	80	100	120	140
l_5	30/40	35/45	40/50	50/60	55/70/90	55/70/90
l_6	5	5	7	9	10	14
l_7	6	7,5	9	10	12	14
l_8	2,5	3	4,5	4,5	5	5,5

DIN 6305 -Surub Tommy
(Tommy screw)

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

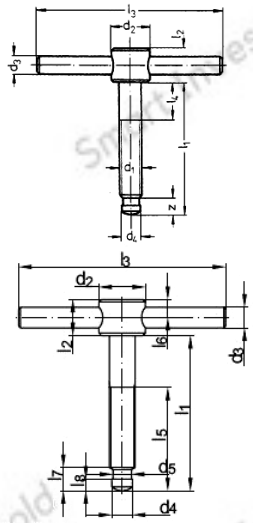
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6304	-	5.8	Brunat	-
6305	-	5.8	Brunat	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



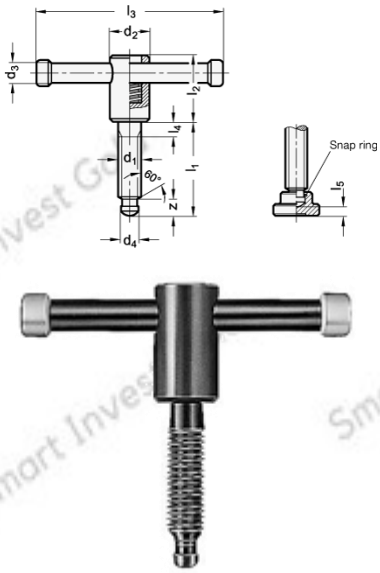
Surub Tommy
DIN 6304 / DIN 6305

M6x20	M8x60	M10x60	M12x45	M12x150	M16x80	M16x185	M20x135	M20x240
M6x25	M8x65	M10x65	M12x50	M12x155	M16x85	M16x190	M20x140	M20x245
M6x30	M8x70	M10x70	M12x55	M12x160	M16x90	M16x195	M20x145	M20x250
M6x35	M8x80	M10x80	M12x60	M12x165	M16x95	M16x200	M20x150	M20x255
M6x40	M8x90	M10x90	M12x65	M12x170	M16x100	M20x50	M20x155	M20x260
M6x45	M8x100	M10x100	M12x70	M12x175	M16x105	M20x55	M20x160	M20x265
M6x50	M8x110	M10x110	M12x75	M12x180	M16x110	M20x60	M20x165	M20x270
M6x55	M8x120	M10x120	M12x80	M12x185	M16x115	M20x65	M20x170	M20x275
M6x60	M8x130	M10x130	M12x85	M12x190	M16x120	M20x70	M20x175	M20x280
M6x65	M8x140	M10x140	M12x90	M12x195	M16x125	M20x75	M20x180	M20x285
M6x70	M8x150	M10x150	M12x95	M12x200	M16x130	M20x80	M20x185	M20x290
M6x75	M8x160	M10x160	M12x100	M16x30	M16x135	M20x85	M20x190	M20x295
M6x80	M8x170	M10x170	M12x105	M16x35	M16x140	M20x90	M20x195	M20x300
M6x85	M8x180	M10x180	M12x110	M16x40	M16x145	M20x95	M20x200	
M6x90	M8x190	M10x190	M12x115	M16x45	M16x150	M20x100	M20x205	
M6x95	M8x200	M10x200	M12x120	M16x50	M16x155	M20x105	M20x210	
M8x35	M10x35	M10x210	M12x125	M16x55	M16x160	M20x110	M20x215	
M8x40	M10x40	M10x220	M12x130	M16x60	M16x165	M20x115	M20x220	
M8x45	M10x45	M12x30	M12x135	M16x65	M16x170	M20x120	M20x225	
M8x50	M10x50	M12x35	M12x140	M16x70	M16x175	M20x125	M20x230	
M8x55	M10x55	M12x40	M12x145	M16x75	M16x180	M20x130	M20x235	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub Tommy
1.48 DIN 6306



Dimensiuni	M 10	M 12	M 16	M 20
d_1	40/50	50/60	55/70/90	55/70/90
d_2	18	20	24	30
d_3	8	8	12	15.5
d_4	7.2	7.2	11	14.4
d_5	8	10	13	16
l_3	80	100	120	140
l_5	72/82	85/95	95/110/130	100/115/135
l_6	7	9	10	14
l_7	9	10	12	14
l_8	4.5	4,5	5	5.5
t	23	26	28	34

DIN 6306 -Surub Tommy
(Tommy screw with fixed clamping bolt)

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

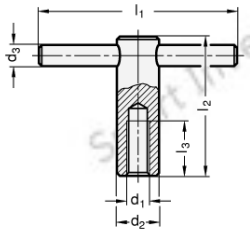
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6306	-	5.8	-	-

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



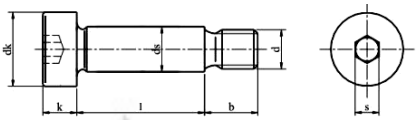
Surub Tommy
DIN 6306

M10x35	M10x160	M12x75	M12x155	M16x60	M16x140	M20x65	M20x145	M20x225
M10x40	M10x170	M12x80	M12x160	M16x65	M16x145	M20x70	M20x150	M20x230
M10x45	M10x180	M12x85	M12x165	M16x70	M16x150	M20x75	M20x155	M20x235
M10x50	M10x190	M12x90	M12x170	M16x75	M16x155	M20x80	M20x160	M20x240
M10x55	M10x200	M12x95	M12x175	M16x80	M16x160	M20x85	M20x165	M20x245
M10x60	M10x210	M12x100	M12x180	M16x85	M16x165	M20x90	M20x170	M20x250
M10x65	M10x220	M12x105	M12x185	M16x90	M16x170	M20x95	M20x175	M20x255
M10x70	M12x30	M12x110	M12x190	M16x95	M16x175	M20x100	M20x180	M20x260
M10x80	M12x35	M12x115	M12x195	M16x100	M16x180	M20x105	M20x185	M20x265
M10x90	M12x40	M12x120	M12x200	M16x105	M16x185	M20x110	M20x190	M20x270
M10x100	M12x45	M12x125	M16x30	M16x110	M16x190	M20x115	M20x195	M20x275
M10x110	M12x50	M12x130	M16x35	M16x115	M16x195	M20x120	M20x200	M20x280
M10x120	M12x55	M12x135	M16x40	M16x120	M16x200	M20x125	M20x205	M20x285
M10x130	M12x60	M12x140	M16x45	M16x125	M20x50	M20x130	M20x210	M20x290
M10x140	M12x65	M12x145	M16x50	M16x130	M20x55	M20x135	M20x215	M20x295
M10x150	M12x70	M12x150	M16x55	M16x135	M20x60	M20x140	M20x220	M20x300

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub de reglare
1.49 ISO 7379





ISO 7379 -Surub de reglare
(Hexagon socket head shoulder screw)

d_s f 9		6	8	10		12	16	20	24
d		M5	M6	M8		M10	M12	M16	M20
d_k	max.	10	13	16		18	24	30	36
	max.	10.22	13,27	16,2	7	18,27	24.33	30,33	36.39
	min..	9,79	12,73	15,7	3	17,73	23,67	29,67	35,61
b	max.	9,75	11,25	13,25		16,4	18.4	22.4	27,4
	min..	9,25	10,75	12,75		15,6	17,60	21.6	26.6
k		4,5	5,5	7		9	11	14	16
s_{nom}		3	4	5		6	8	10	12

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

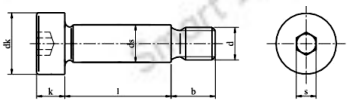
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate
ISO 7379	Total sau partial filetat	12.9	Natur	INOX A2;

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



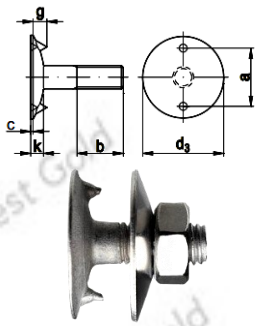
Surub de reglare
ISO 7379

M3-4	M4-10	M5-35	M6-35	M8-25	M10-16	M10-90	M12-90	M16-100
M3-5	M4-12	M5-40	M6-40	M8-30	M10-20	M10-100	M12-100	M20-50
M3-6	M4-16	M5-45	M6-45	M8-35	M10-25	M12-25	M16-30	M20-55
M3-8	M4-20	M5-50	M6-50	M8-40	M10-30	M12-30	M16-35	M20-60
M3-10	M4-25	M5-55	M6-55	M8-45	M10-35	M12-35	M16-40	M20-65
M3-12	M4-30	M5-60	M6-60	M8-50	M10-40	M12-40	M16-45	M20-70
M3-16	M4-40	M5-65	M6-65	M8-55	M10-45	M12-45	M16-50	M20-80
M3-20	M5-10	M5-70	M6-70	M8-60	M10-50	M12-50	M16-55	M20-90
M3-25	M5-12	M5-80	M6-80	M8-65	M10-55	M12-55	M16-60	M20-100
M3-30	M5-16	M6-16	M6-90	M8-70	M10-60	M12-60	M16-65	
M4-5	M5-20	M6-20	M6-100	M8-80	M10-65	M12-65	M16-70	
M4-6	M5-25	M6-25	M8-16	M8-90	M10-70	M12-70	M16-80	
M4-8	M5-30	M6-30	M8-20	M8-100	M10-80	M12-80	M16-90	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

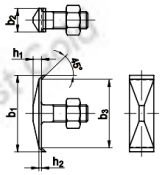
Surub elevator
1.50 DIN 15237



DIN 15237 -Surub elevator
(Elevating screw)

Dimensiuni	M6	M8	M10	M12
d_3	20	28	35	42
a	14	20	25	30
c_{max}	1	1	1	1.2
g	3.5	5	6	7
k	2.5	3.5	4.5	5.2
l	20	25/30/35/40	30/35/40/50	35/40/50/60
b	12	15/18/18/20	18/20/20/20	20/25/28/28

Surub cu cap T
1.51 DIN 25193





DIN 25193 -Surub cap T
(Mushroom head anchor screw)

Dimensiuni	M 8	M10
b_1	55	55
b_2	20	20
b_3	49	49
h_1	5	5
h_2	1.5	1.5

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

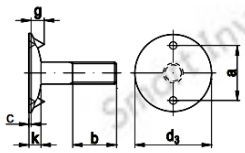
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
15237	Total sau partial	3.6	Natur	-
25193	Total sau partial	4.6	Natur	-

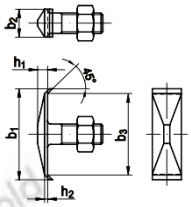
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



Surub elevator
DIN 15237

M6x20	M6x75	M8x65	M8x170	M10x70	M10x180	M12x60	M12x115	M12x170
M6x25	M6x80	M8x70	M8x180	M10x80	M10x190	M12x65	M12x120	M12x175
M6x30	M6x85	M8x80	M8x190	M10x90	M10x200	M12x70	M12x125	M12x180
M6x35	M6x90	M8x90	M8x200	M10x100	M10x210	M12x75	M12x130	M12x185
M6x40	M6x95	M8x100	M10x35	M10x110	M10x220	M12x80	M12x135	M12x190
M6x45	M8x35	M8x110	M10x40	M10x120	M12x30	M12x85	M12x140	M12x195
M6x50	M8x40	M8x120	M10x45	M10x130	M12x35	M12x90	M12x145	M12x200
M6x55	M8x45	M8x130	M10x50	M10x140	M12x40	M12x95	M12x150	
M6x60	M8x50	M8x140	M10x55	M10x150	M12x45	M12x100	M12x155	
M6x65	M8x55	M8x150	M10x60	M10x160	M12x50	M12x105	M12x160	
M6x70	M8x60	M8x160	M10x65	M10x170	M12x55	M12x110	M12x165	



Surub cu cap T
DIN 25193

M8x35	M8x60	M8x100	M8x150	M8x200	M10x55	M10x90	M10x140	M10x190
M8x40	M8x65	M8x110	M8x160	M10x35	M10x60	M10x100	M10x150	M10x200
M8x45	M8x70	M8x120	M8x170	M10x40	M10x65	M10x110	M10x160	M10x210
M8x50	M8x80	M8x130	M8x180	M10x45	M10x70	M10x120	M10x170	M10x220
M8x55	M8x90	M8x140	M8x190	M10x50	M10x80	M10x130	M10x180	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Şurub cu cap cilindric bombat poliamida
1.52 DIN 34812





DIN 34812 -Şurub cu cap cilindric bombat cruce din plastic
(Plastic pan head screw with cross recess)

Dimensiuni	M3	M4	M5	M6	M8
d_k	5,6	8	9,5	12	16
k	2,4	3.1	3,7	4,6	6
H	1	2	2	3	4

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
34812	Total filetat	-	Poliamida	-

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



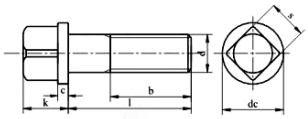
Şurub cu cap cilindric bombat cruce din plastic
DIN 34812

M3x04	M3x20	M3x50	M5x30	M5x75	M6x55	M8x35	M8x90	M8x180
M3x05	M3x22	M4x20	M5x35	M5x80	M6x60	M8x40	M8x100	M8x190
M3x06	M3x25	M4x25	M5x40	M6x20	M6x65	M8x45	M8x110	M8x200
M3x08	M3x28	M4x30	M5x45	M6x25	M6x70	M8x50	M8x120	
M3x10	M3x30	M4x35	M5x50	M6x30	M6x75	M8x55	M8x130	
M3x12	M3x35	M4x40	M5x55	M6x35	M6x80	M8x60	M8x140	
M3x14	M3x38	M4x45	M5x60	M6x40	M6x85	M8x65	M8x150	
M3x16	M3x40	M4x50	M5x65	M6x45	M6x90	M8x70	M8x160	
M3x18	M3x45	M5x25	M5x70	M6x50	M6x95	M8x80	M8x170	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cap patrat inalt
1.53 DIN 478





DIN 478 -Surub cap patrat inalt
(Square head bolts with collar)

Dimensiuni		M5	M6	M8	M10	M12	M16	M20	M24
P		0,8	1	1,25	1.5	1,75	2	2,5	3
b	l≤ l25	16	18	22	26	30	38	46	54
	l>125	-	-	-	32	36	44	52	60
c	nom	2	2	2	3	3	4	5	6
	min.	1.88	1,88	1,88	2,88	2,88	3.85	4.85	5.85
	max.	2.12	2.12	2,12	3,12	3,12	4.15	5,15	6.15
d_c	nom.=max.	9,5	10,5	13,5	16,5	19.5	25	31	36
	min.	8.92	9.8	12,8	15,8	18.66	24,16	30	35
k	nom.	7	8	10	13	15	20	25	28
	min.	6,82	7.82	9,82	12,78	14,78	19,74	24,74	27,74
	max.	7.18	8,18	10,18	13.22	15.22	20.26	25,26	28,26
s_{nom}		5	6	8	10	13	17	22	24
b_1) l ≤ 125 mm		b_2) 125mm < l ≤ 200 mm			b_3) l > 200 mm				

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

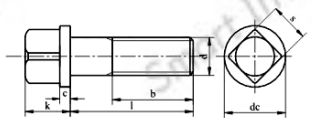
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
478	Total sau partial filetat	10.9	Natur	-

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



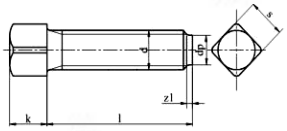
Surub cap patrat inalt
DIN 478

M5x25	M8x35	M10x70	M12x90	M16x55	M16x195	M20x180	M24x65	M24x205
M5x30	M8x40	M10x80	M12x95	M16x60	M16x200	M20x185	M24x70	M24x210
M5x35	M8x45	M10x90	M12x100	M16x65	M20x50	M20x190	M24x75	M24x215
M5x40	M8x50	M10x100	M12x105	M16x70	M20x55	M20x195	M24x80	M24x220
M5x45	M8x55	M10x110	M12x110	M16x75	M20x60	M20x200	M24x85	M24x225
M5x50	M8x60	M10x120	M12x115	M16x80	M20x65	M20x205	M24x90	M24x230
M5x55	M8x65	M10x130	M12x120	M16x85	M20x70	M20x210	M24x95	M24x235
M5x60	M8x70	M10x140	M12x125	M16x90	M20x75	M20x215	M24x100	M24x240
M5x65	M8x80	M10x150	M12x130	M16x95	M20x80	M20x220	M24x105	M24x245
M5x70	M8x90	M10x160	M12x135	M16x100	M20x85	M20x225	M24x110	M24x250
M5x75	M8x100	M10x170	M12x140	M16x105	M20x90	M20x230	M24x115	M24x255
M5x80	M8x110	M10x180	M12x145	M16x110	M20x95	M20x235	M24x120	M24x260
M6x20	M8x120	M10x190	M12x150	M16x115	M20x100	M20x240	M24x125	M24x265
M6x25	M8x130	M10x200	M12x155	M16x120	M20x105	M20x245	M24x130	M24x270
M6x30	M8x140	M10x210	M12x160	M16x125	M20x110	M20x250	M24x135	M24x275
M6x35	M8x150	M10x220	M12x165	M16x130	M20x115	M20x255	M24x140	M24x280
M6x40	M8x160	M12x30	M12x170	M16x135	M20x120	M20x260	M24x145	M24x285
M6x45	M8x170	M12x35	M12x175	M16x140	M20x125	M20x265	M24x150	M24x290
M6x50	M8x180	M12x40	M12x180	M16x145	M20x130	M20x270	M24x155	M24x295
M6x55	M8x190	M12x45	M12x185	M16x150	M20x135	M20x275	M24x160	M24x300
M6x60	M8x200	M12x50	M12x190	M16x155	M20x140	M20x280	M24x165	
M6x65	M10x35	M12x55	M12x195	M16x160	M20x145	M20x285	M24x170	
M6x70	M10x40	M12x60	M12x200	M16x165	M20x150	M20x290	M24x175	
M6x75	M10x45	M12x65	M16x30	M16x170	M20x155	M20x295	M24x180	
M6x80	M10x50	M12x70	M16x35	M16x175	M20x160	M20x300	M24x185	
M6x85	M10x55	M12x75	M16x40	M16x180	M20x165	M24x50	M24x190	
M6x90	M10x60	M12x80	M16x45	M16x185	M20x170	M24x55	M24x195	
M6x95	M10x65	M12x85	M16x50	M16x190	M20x175	M24x60	M24x200	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cap patrat cu gat scurt
1.54 DIN 479





DIN 479 -Surub patrat cu gat scurt
(Square head bolts with short dog)

Dimensiuni		M5	M6	M8	M10	M12	M16	M20	M24
P		0,8	1	1,25	1,5	1,75	2	2,5	3
d_p		3.5	4	5.5	7	8,5	12	15	18
k		5	6	8	10	12	16	20	22
s_{nom}		5	6	8	10	13	17	22	24
z_1	min.	125	1,5	2	2.5	3	4	5	6
	max.	1.5	1.75	2,25	2,75	3,25	4,3	5.3	6,3

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

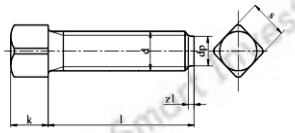
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
479	Total sau partial filetat	8.8	Natur	-

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



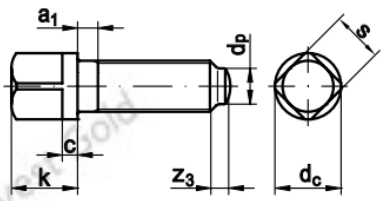
Surub patrat cu gat scurt
DIN 479

M5x25	M8x35	M10x70	M12x90	M16x55	M16x195	M20x180	M24x65	M24x205
M5x30	M8x40	M10x80	M12x95	M16x60	M16x200	M20x185	M24x70	M24x210
M5x35	M8x45	M10x90	M12x100	M16x65	M20x50	M20x190	M24x75	M24x215
M5x40	M8x50	M10x100	M12x105	M16x70	M20x55	M20x195	M24x80	M24x220
M5x45	M8x55	M10x110	M12x110	M16x75	M20x60	M20x200	M24x85	M24x225
M5x50	M8x60	M10x120	M12x115	M16x80	M20x65	M20x205	M24x90	M24x230
M5x55	M8x65	M10x130	M12x120	M16x85	M20x70	M20x210	M24x95	M24x235
M5x60	M8x70	M10x140	M12x125	M16x90	M20x75	M20x215	M24x100	M24x240
M5x65	M8x80	M10x150	M12x130	M16x95	M20x80	M20x220	M24x105	M24x245
M5x70	M8x90	M10x160	M12x135	M16x100	M20x85	M20x225	M24x110	M24x250
M5x75	M8x100	M10x170	M12x140	M16x105	M20x90	M20x230	M24x115	M24x255
M5x80	M8x110	M10x180	M12x145	M16x110	M20x95	M20x235	M24x120	M24x260
M6x20	M8x120	M10x190	M12x150	M16x115	M20x100	M20x240	M24x125	M24x265
M6x25	M8x130	M10x200	M12x155	M16x120	M20x105	M20x245	M24x130	M24x270
M6x30	M8x140	M10x210	M12x160	M16x125	M20x110	M20x250	M24x135	M24x275
M6x35	M8x150	M10x220	M12x165	M16x130	M20x115	M20x255	M24x140	M24x280
M6x40	M8x160	M12x30	M12x170	M16x135	M20x120	M20x260	M24x145	M24x285
M6x45	M8x170	M12x35	M12x175	M16x140	M20x125	M20x265	M24x150	M24x290
M6x50	M8x180	M12x40	M12x180	M16x145	M20x130	M20x270	M24x155	M24x295
M6x55	M8x190	M12x45	M12x185	M16x150	M20x135	M20x275	M24x160	M24x300
M6x60	M8x200	M12x50	M12x190	M16x155	M20x140	M20x280	M24x165	
M6x65	M10x35	M12x55	M12x195	M16x160	M20x145	M20x285	M24x170	
M6x70	M10x40	M12x60	M12x200	M16x165	M20x150	M20x290	M24x175	
M6x75	M10x45	M12x65	M16x30	M16x170	M20x155	M20x295	M24x180	
M6x80	M10x50	M12x70	M16x35	M16x175	M20x160	M20x300	M24x185	
M6x85	M10x55	M12x75	M16x40	M16x180	M20x165	M24x50	M24x190	
M6x90	M10x60	M12x80	M16x45	M16x185	M20x170	M24x55	M24x195	
M6x95	M10x65	M12x85	M16x50	M16x190	M20x175	M24x60	M24x200	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Surub cu cap patrat
1.55 DIN 480

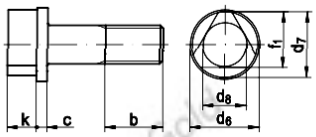




Dimensiuni	M 10	M 12	M 16	M 20
k	13	16	20	25
c_{max}	3.12	4.15	4.15	5.15
a_1	4.5	5.3	6	7.5
s	10	13	16[1] /17	21[1] /22
d_c	13	17	21[1] /22	27[1] /28
z_3	2.5	3	4	5

DIN 480 (STAS 4923) -Surub cu cap patrat
(Square head bolts with collar and short dog point with rounded end)

Surub cu amprenta triunghi
1.56 DIN 22424





Dimensiuni	M 8	M 10	M 12
c_{max}	1	1	1.2
k	3.5	4.5	5.2
$d_{6\ max.}$	15.2	18.2	
$d_{7\ min.}$	13.9	16.9	
$d_{8\ min.}$	9.3	11.8	
b	15/18/18 /20	18/20/20 /20	20/25/28 /28
$f_{1\ min.}$	11.55	14.3	

DIN 22424 -Surub amprenta triunghi
(Triangle head screw)

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

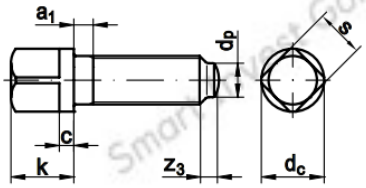
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
480	Total sau partial	10.9	Natur	-
22424	Partial filetat	8.8	Natur	-

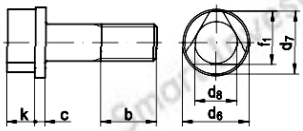
Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit



Surub cu cap patrat
DIN 480

M10x35	M10x160	M12x75	M12x155	M16x60	M16x140	M20x65	M20x145	M20x225
M10x40	M10x170	M12x80	M12x160	M16x65	M16x145	M20x70	M20x150	M20x230
M10x45	M10x180	M12x85	M12x165	M16x70	M16x150	M20x75	M20x155	M20x235
M10x50	M10x190	M12x90	M12x170	M16x75	M16x155	M20x80	M20x160	M20x240
M10x55	M10x200	M12x95	M12x175	M16x80	M16x160	M20x85	M20x165	M20x245
M10x60	M10x210	M12x100	M12x180	M16x85	M16x165	M20x90	M20x170	M20x250
M10x65	M10x220	M12x105	M12x185	M16x90	M16x170	M20x95	M20x175	M20x255
M10x70	M12x30	M12x110	M12x190	M16x95	M16x175	M20x100	M20x180	M20x260
M10x80	M12x35	M12x115	M12x195	M16x100	M16x180	M20x105	M20x185	M20x265
M10x90	M12x40	M12x120	M12x200	M16x105	M16x185	M20x110	M20x190	M20x270
M10x100	M12x45	M12x125	M16x30	M16x110	M16x190	M20x115	M20x195	M20x275
M10x110	M12x50	M12x130	M16x35	M16x115	M16x195	M20x120	M20x200	M20x280
M10x120	M12x55	M12x135	M16x40	M16x120	M16x200	M20x125	M20x205	M20x285
M10x130	M12x60	M12x140	M16x45	M16x125	M20x50	M20x130	M20x210	M20x290
M10x140	M12x65	M12x145	M16x50	M16x130	M20x55	M20x135	M20x215	M20x295
M10x150	M12x70	M12x150	M16x55	M16x135	M20x60	M20x140	M20x220	M20x300



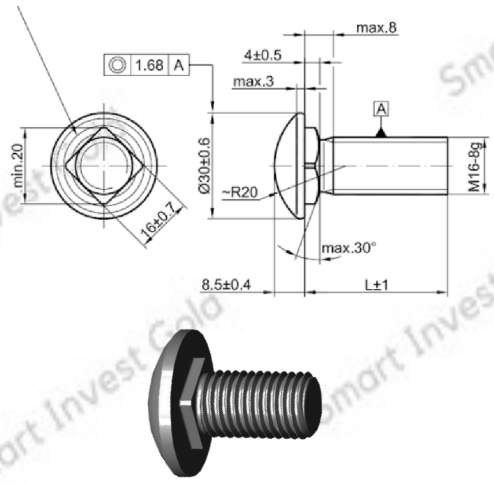
Surub cu amprenta triunghi
DIN 22424

M8x35	M8x90	M8x180	M10x65	M10x150	M12x35	M12x80	M12x125	M12x170
M8x40	M8x100	M8x190	M10x70	M10x160	M12x40	M12x85	M12x130	M12x175
M8x45	M8x110	M8x200	M10x80	M10x170	M12x45	M12x90	M12x135	M12x180
M8x50	M8x120	M10x35	M10x90	M10x180	M12x50	M12x95	M12x140	M12x185
M8x55	M8x130	M10x40	M10x100	M10x190	M12x55	M12x100	M12x145	M12x190
M8x60	M8x140	M10x45	M10x110	M10x200	M12x60	M12x105	M12x150	M12x195
M8x65	M8x150	M10x50	M10x120	M10x210	M12x65	M12x110	M12x155	M12x200
M8x70	M8x160	M10x55	M10x130	M10x220	M12x70	M12x115	M12x160	
M8x80	M8x170	M10x60	M10x140	M12x30	M12x75	M12x120	M12x165	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

1.57 Surub de parapet



Surub de parapet
(Road barrier bolt)

Dimensiuni	M16
l_1	30
l_2	40
l_3	45
l_4	60

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305
- Disponibil si in marimile: M16x30, 40, 45, 60

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
-	Total filetat	4.6; 8.8	Zincat; Zincat termic (HDG)	-

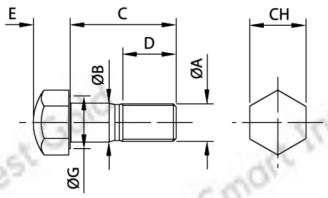
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

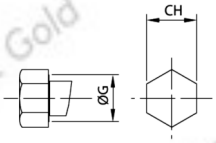
1.60 Surub de senila

Tipuri surub senila

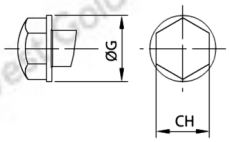
STD



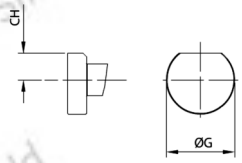
EXHD



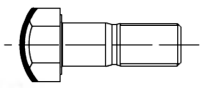
HDW



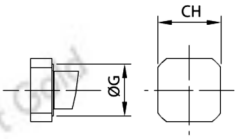
SBHD



HARDENED HEAD

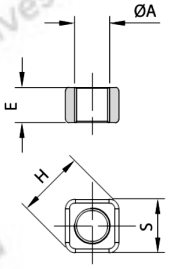


SQHD

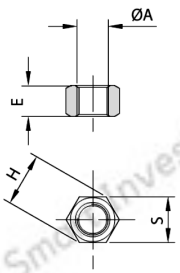


Tipuri piulita pentru surub senila

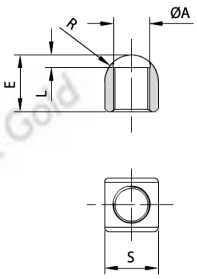
SQ



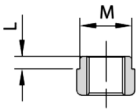
EX



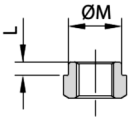
MB



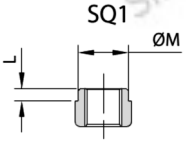
SQ2



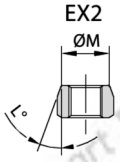
EX1



SQ1



EX2





© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

MODEL	Dimension	DESCRIPTION
D2,933C	7/16"- 20*1 9/16" UNF	TRACK BOLT & NUT
	7/16"- 20 UNF	NUT
	1/2"*1 3/8" UNF	TRACK BOLT & NUT
D3,D4,931,933	1/2'-20*1 1/2" UNF	TRACK BOLT & NUT
DH028/S50/S55/ R450/R500	1/2'-20*1 1/2" UNF	TRACK BOLT & NUT
	1/2'-20*1 11/16" UNF	TRACK BOLT
	1/2'-20*1 7/8" UNF	TRACK BOLT & NUT
	1/2'-20*1 57/64" UNF	TRACK BOLT
	1/2'-20*2" UNF	TRACK BOLT & NUT
	1/2'-20 UNF	NUT
	9/16"-18*1 3/4" UNF	TRACK BOLT & NUT
D3,D4,D4D,931,933 ,941,215	9/16"-18*1 5/8" UNF	TRACK BOLT & NUT
931,933,941	9/16"-18*1 15/16" UNF	TRACK BOLT & NUT
	9/16"-18*2" UNF	TRACK BOLT
	9/16"-18*3" UNF	TRACK BOLT & NUT
	9/16"-18*3 1/8" UNF	TRACK BOLT & NUT
	9/16"-18UNF	NUT
R130LC	5/8"-18*1 15/16" UNF	TRACK BOLT & NUT
D4,D5,D5H,D6,D7,9 53,955,977,	5/8"-18*2 3/32" UNF	TRACK BOLT & NUT
R210	5/8"-18*2 3/32" UNF	TRACK BOLT & NUT
225,941,951C,951B	5/8"-18*2 5/32" UNF	TRACK BOLT & NUT
225,941,951B	5/8"-18*2 1/4" UNF	TRACK BOLT
	5/8"-18*2 1/2" UNF	TRACK BOLT & NUT
	5/8"-18*2 3/4" UNF	TRACK BOLT & NUT
	5/8"-18*3" UNF	TRACK BOLT & NUT
572	5/8"-18*3 3/8" UNF	TRACK BOLT & NUT
	5/8"-16*3 1/2" UNF	TRACK BOLT & NUT
	5/8"-18*3 3/4" UNF	TRACK BOLT & NUT
	5/8"-18*4" UNF	TRACK BOLT & NUT
	5/8"-18 UNF	NUT

MODEL	Dimension	DESCRIPTION
D6,D7,D7H,D8,D6H	3/4"-16*2 5/32" UNF	TRACK BOLT & NUT
D60A、E、P、PL、S-6	3/4"-16*2 13/64" UNF	TRACK BOLT
D60A、E、P、PL、S-7	3/4"-16*2 13/64" UNF	TRACK BOLT
D65A、E、P、S-6	3/4"-16*2 3/8" UNF	TRACK BOLT
D65A、E、P、PL、S-7	3/4"-16*2 3/8" UNF	TRACK BOLT
235,571,572,583	3/4"-16*2 13/32" UNF	TRACK BOLT & NUT
955,963,973,977	3/4"-16*2 7/16" UNF	TRACK BOLT & NUT
D80A-8	3/4"-16*2 31/64" UNF	TRACK BOLT
	3/4"-16*2 3/4" UNF	TRACK BOLT
	3/4"-16*3" UNF	TRACK BOLT & NUT
	3/4"-16*3 15/32" UNF	TRACK BOLT & NUT
	3/4"-16*3 5/8" UNF	TRACK BOLT & NUT
	3/4"-16*4" UNF	TRACK BOLT & NUT
	3/4"-16*4 1/8" UNF	TRACK BOLT & NUT
	3/4"-16*4 13/32" UNF	TRACK BOLT & NUT
	3/4"-16*4 3/4" UNF	TRACK BOLT & NUT
	3/4"-16UNF	NUT
	3/4"-16UNF	NUT
	3/4"-16UNF	NUT
	3/4"-16UNF	NUT
	7/8"-14*2 17/32"UNF	TRACK BOLT & NUT
	7/8"-14*2 41/64"UNF	TRACK BOLT
D8,D8L,D8N,D8H,5 83,983	7/8"-14*2 21/32"UNF	TRACK BOLT & NUT
	7/8"-14*2 23/32"UNF	TRACK BOLT
	7/8"-14*3"UNF	TRACK BOLT & NUT
	7/8"-14*3 11/32"UNF	TRACK BOLT & NUT
	7/8"-14*3 13/32"UNF	TRACK BOLT & NUT
	7/8"-14*4 27/32"UNF	TRACK BOLT & NUT
	7/8"-14*5 3/4"UNF	TRACK BOLT & NUT
	7/8"-14UNF	NUT

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

MODEL	Dimension	DESCRIPTION
D9,D9E,D9D,D9G,D9H,D9L	1"-14*2 15/16" UNF	TRACK BOLT & NUT
	1"-14*2 31/32" UNF	TRACK BOLT
D9N,594	1"-14*3 1/8" UNF	TRACK BOLT & NUT
	1"-14*3 3/16" UNF	TRACK BOLT & NUT
245/D9	1"-14*3 35/64" UNF	TRACK BOLT & NUT
	1"-14* UNF	NUT
D10N,D30A.P.Q.S-15,	1 1/8"*3 25/32" UNF	TRACK BOLT & NUT
D31A.P.Q.S-15	1 1/8"*4 13/32" UNF	TRACK BOLT & NUT
D20A-3,D21A-3	M12*1.25*35	TRACK BOLT
D21S-3,D21S-5	M12*1.25*35	TRACK BOLT
	M12*1.25*37	TRACK BOLT & NUT
D21-3/5	M12*1.25*39	TRACK BOLT
D20,D21Q、P、PL-5	M12*1.25*47	TRACK BOLT
	M12*1.25	NUT
	M12*1.25	NUT
D31A.P.PL.Q.S-16	M13*1.25*38	TRACK BOLT & NUT
D31A.P.PL.Q.S-17	M13*1.25*45	TRACK BOLT & NUT
307	M14*1.5*35	TRACK BOLT
	M14*1.5*39	TRACK BOLT & NUT
	M14*1.5*45	TRACK BOLT & NUT
D30A、P、Q、S-15	M14*1.5*48	TRACK BOLT & NUT
D31A、P、Q、S-15	M14*1.5*48	TRACK BOLT
D31A、P、PL、Q、S-16	M14*1.5*50	TRACK BOLT
D31A、P、PL、Q、S-17	M14*1.5*50	TRACK BOLT
	M14*1.5*55	TRACK BOLT
	M14*1.5*56	TRACK BOLT & NUT
307	M14*1.5	NUT
PC100-5/6,PC120-5	M16*1.5*40	TRACK BOLT
E120,D555-3,D57S-1,311	M16*1.5*46	TRACK BOLT & NUT
	M16*1.5*48	TRACK BOLT & NUT
S130/DH04	M16*1.5*51	TRACK BOLT
D60-A.P.S-3	M16*1.5*53	TRACK BOLT & NUT

MODEL	Dimension	DESCRIPTION
	M16*1.5*55	TRACK BOLT & NUT
D40-3,D41A、E、P、Q、S-3,	M16*1.5*57	TRACK BOLT & NUT
D40-1，D45A、P、S-1,	M16*1.5*57	TRACK BOLT & NUT
D50A、P、PL，S-15，D53A、S15,	M16*1.5*57	TRACK BOLT
	M16*1.5*65	TRACK BOLT
	M16*1.5*60	TRACK BOLT & NUT
	M16*1.5*68	TRACK BOLT & NUT
	M16*1.5*73	TRACK BOLT & NUT
	M16*1.5*80	TRACK BOLT & NUT
	M16*1.5	NUT
	M16*1.5	NUT
EX200	M18*1.5*52	TRACK BOLT
CR5350	M18*1.5*55	TRACK BOLT & NUT
D60A/P/S-3	M18*1.5*57	TRACK BOLT & NUT
	M18*1.5*57	TRACK BOLT & TAPER NUT
D60A/P/S-3	M18*1.5*58	TRACK BOLT & NUT
D55-3/D57S-1	M18*1.5*58	TRACK BOLT
PC200-3/PC220-3	M18*1.5*58	TRACK BOLT
D55S-3，D57S-1，D60A、P、S-3	M18*1.5*59	TRACK BOLT
	M18*1.5*59	TRACK BOLT
DH08/S200LC	M18*1.5*64	TRACK BOLT
	M18*1.5	NUT
	M19*1.5*55	TRACK BOLT & NUT
	M19*1.5*60	TRACK BOLT & NUT
	M19*1.5*63	TRACK BOLT & NUT
D65A/E/P/PL/S-7,D80A-8	M19*1.5*65	TRACK BOLT & NUT
	M19*1.5*69	TRACK BOLT & NUT
	M19*1.5*77	TRACK BOLT & NUT
D65	M19*1.5*98	TRACK BOLT & NUT
S220-5/R210-3	M20*1.5*53	TRACK BOLT
SH200/LS2800Q	M20*1.5*53	TRACK BOLT

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

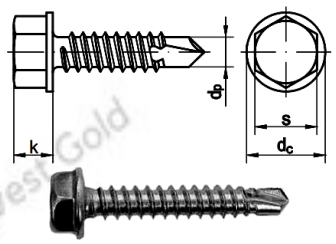
Smart Invest Gold
fastener business unit

MODEL	Dimension	DESCRIPTION
	M16*1.5*55	TRACK BOLT & NUT
D40-3,D41A、E、P、Q、S-3,	M16*1.5*57	TRACK BOLT & NUT
D40-1，D45A、P、S-1,	M16*1.5*57	TRACK BOLT & NUT
D50A、P、PL，S-15，D53A、S15,	M16*1.5*57	TRACK BOLT
	M16*1.5*65	TRACK BOLT
	M16*1.5*60	TRACK BOLT & NUT
	M16*1.5*68	TRACK BOLT & NUT
	M16*1.5*73	TRACK BOLT & NUT
	M16*1.5*80	TRACK BOLT & NUT
	M16*1.5	NUT
	M16*1.5	NUT
EX200	M18*1.5*52	TRACK BOLT
CR5350	M18*1.5*55	TRACK BOLT & NUT
D60A/P/S-3	M18*1.5*57	TRACK BOLT & NUT
	M18*1.5*57	TRACK BOLT & TAPER NUT
D60A/P/S-3	M18*1.5*58	TRACK BOLT & NUT
D55-3/D57S-1	M18*1.5*58	TRACK BOLT
PC200-3/PC220-3	M18*1.5*58	TRACK BOLT
D55S-3，D57S-1，D60A、P、S-3	M18*1.5*59	TRACK BOLT
	M18*1.5*59	TRACK BOLT
DH08/S200LC	M18*1.5*64	TRACK BOLT
	M18*1.5	NUT
	M19*1.5*55	TRACK BOLT & NUT
	M19*1.5*60	TRACK BOLT & NUT
	M19*1.5*63	TRACK BOLT & NUT
D65A/E/P/PL/S-7,D80A-8	M19*1.5*65	TRACK BOLT & NUT
	M19*1.5*69	TRACK BOLT & NUT
	M19*1.5*77	TRACK BOLT & NUT
D65	M19*1.5*98	TRACK BOLT & NUT
S220-5/R210-3	M20*1.5*53	TRACK BOLT
SH200/LS2800Q	M20*1.5*53	TRACK BOLT
SH350/LS3900Q	M24*1.5*68	TRACK BOLT
SH450/LS4300C2	M24*1.5*72	TRACK BOLT
D155-2	M24*1.5*75	TRACK BOLT & NUT
D150A-1,D155A-1,D155S-1,	M24*1.5*76.2	TRACK BOLT
	M24*1.5*79	TRACK BOLT & NUT
E650	M24*1.5*81	TRACK BOLT & NUT

MODEL	Dimension	DESCRIPTION
PC200-3/5/6,PC220-5	M20*1.5*55F	TRACK BOLT & NUT
320,E240,EL240,E200,EL200B	M20*1.5*55	TRACK BOLT & NUT
D85ESS-2	M20*1.5*56	TRACK BOLT & NUT
R210-7	M20*1.5*57	TRACK BOLT & NUT
	M20*1.5*60	TRACK BOLT & NUT
320L	M20*1.5*63	TRACK BOLT & NUT
320,325,d75-2,d75s-3,	M20*1.5*63	TRACK BOLT & NUT
	M20*1.5*65F	TRACK BOLT & NUT TAPER
D80A/E-12,D85A/E/S-12	M20*1.5*65	TRACK BOLT & NUT
D80A-E-18,D8SA-E-18,	M20*1.5*68	TRACK BOLT & NUT
D75S-2,D75S-3	M20*1.5*68.5	TRACK BOLT
D80A、E-12，D85A、E-12, D80A	M20*1.5*68.5	TRACK BOLT
E300,EL300B	M20*1.5*70	TRACK BOLT & NUT
	M20*1.5*75	TRACK BOLT & NUT
	M20*1.5*85	TRACK BOLT & NUT
	M20*1.5*105	TRACK BOLT & NUT
SK200	M20*1.5	NUT
PC300-3/5	M22*1.5*56F	TRACK BOLT & NUT
PC300-7	M22*1.5*59	TRACK BOLT
EX300-5	M22*1.5*59	TRACK BOLT
R290LC-5	M22*1.5*64	TRACK BOLT
	M22*1.5*66	TRACK BOLT & NUT
330	M22*1.5*67	TRACK BOLT & NUT
EX400	M22*1.5*72	TRACK BOLT
350	M22*1.5*73	TRACK BOLT & NUT
E450	M22*1.5*78	TRACK BOLT & NUT
	M22*1.5*95	TRACK BOLT & NUT
		NUT
		NUT
PC300-5		NUT
PC300-3/5 PC400-5/6	M24*1.5*65F	TRACK BOLT & NUT
PC400-5	M24*1.5	NUT
	M25*1.5*75	TRACK BOLT & NUT
	M26*1.5*82	TRACK BOLT & NUT
D355A-1,D355A-3	M27*2.0*82	TRACK BOLT & NUT
375	M27*2.0*90	TRACK BOLT & NUT
D375A-2	M30*2.0*96	TRACK BOLT & NUT
D475	33*115	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

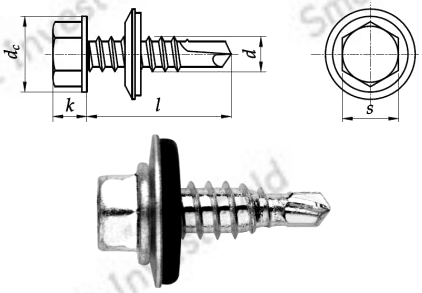
Surub autoforant cu cap hexagonal
2.1 DIN 7504K



DIN 7504K (ISO 15480, UNI 8117)
Surub autoforant cu cap hexagonal
(Self drilling hexagon head screw with collar)

Dimensiuni	St 2.9	St 3.5	St 3.9	St 4.2	St 4.8	St 5.5	St 6.3
f.sheet thicknesses	0.7-0.19	0.7-2.25	0.7-2.4	1.75-3.0	1.75-4.4	1.75-5.25	2.0-6.0
$dp_{max.}$	2.3	2.8	3.1	3.6	4.1	4.8	5.8
$dc_{max.}$	6.3	8.3	8.3	8.8	10.5	11	13.5
$K_{max.}$	2.8	3.4	3.4	4.1	4.3	5.4	5.9
S	4	5.5	5.5	7	8	8	10

Surub autoforant cu cap hexagonal
2.2 DIN 7504K + EPDM



DIN 7504K (~ISO 15480)
Surub autoforant cu cap hexagonal cu EPDM
(Self drilling hexagon head screw with collar)

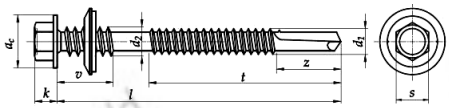
Dimensiuni		ST3.5	ST4,2	ST4.8	ST5.5	ST6.3
d_c	max	8,3	8,8	10,5	11,0	13.2
	min	7,6	8 1	9.8	10,0	12.2
k	max	3.4	4.1	4,3	5,4	5,9
	min	3,0	3.6	3.8	4.8	5,13
S_{nom}		5,5	7	8	8	10

Informatii utile:
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7504K	Autoforant	-	Zincat	-
7504K +EPDM	Autoforant	-	Zincat	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Surub autoforant cu cap hexagonal si filet dublu
2.3 DIN 7504K + EPDM

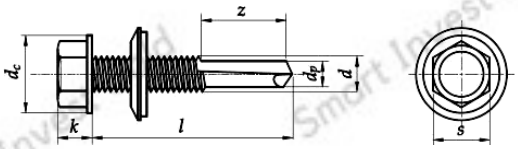




DIN 7504K +EPDM -Surub autoforant cu cap hexagonal si filet dublu
Self drilling hexagon head screw with collar)

d_1		ST5.5
d_2		ST6.3
d_c	max	11,00
	min	10,00
k	max	5,45
	min	5,15
t ~		80
v ~		13
z ~		15.5
s	max	8,00
	nun	7,78

Surub autoforant cu cap hexagonal si burghiu lung
2.4 DIN 7504K + EPDM





DIN 7504K (~ISO 15480)
Surub autoforant cu cap hexagonal cu burgiu lung
(Self drilling hexagon head screw with collar)

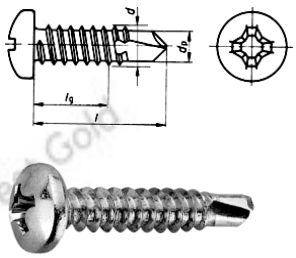
d		ST5.5
d_p		4.9
d_c	max	11,00
	min	10,00
k	max	5.40
	min	4.80
Z ~		15.5
s	max	8,00
	min	7.78

Informatii utile:
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7504K +EPDM	Autoforant	-	Zincat	-
7504K +EPDM	Autoforant	-	Zincat	-

©SMART INVEST GOLD SRL

Surub autoforant cu cap bombat si amprenta cruce
2.5 DIN 7504N-H



DIN 7504N-H (ISO 15481; UNI 8118)
Surub autoforant cu cap bombat
si amprenta cruce
(Self driving pan head screws)

Dimensiuni	St 2.9	St 3.5	ST 3.9	St 4.2	St 4.8	St 5.5	St 6.3
f.sheet thicknesses	0.7 to 1.9	0.7 to 2.25	0.7 to 2.4	1.75 to 3.0	1.75 to 4.4	1.75 to 5.25	2.0 to 6.0
$d_{p\ max.}$	2.3	2.8	3.1	3.6	4.1	4.8	5.8
$d_{k\ max.}$	5.6	6.9	7.5	8.2	9.5	10.8	12.5
$k_{max.}$	2.2	2.6	2.8	3.05	3.7	4	4.6
cross recess size	1	2	2	2	2	3	3

Surub autoforant cu cap bombat si amprenta TORX
2.6 DIN 7504N-T



DIN 7504N-T (ISO 15481; UNI 8118)
Surub autoforant cu cap bombat
si amprenta TORX
(Self driving pan head screws)

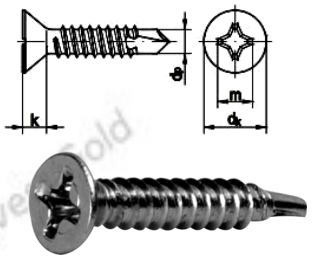
Dimensiuni	ST 2.9	ST 3.5	ST3.9*	ST 4.2	ST 4.8	ST 5.5	ST 6.3
f.sheet thicknesses	0.7 to 1.9	0.7 to 2.25	0.7 to 2.4	1.75 to 3.0	1.75 to 4.4	1.75 to 5.25	2.0 to 6.0
$d_{p\ max.}$	2.3	2.8	3.2	3.6	4.1	4.8	5.8
$d_{k\ max.}$	5.6	7	7.5	8	9.5	11	12
$k_{max.}$	2.4	2.6	2.8	3.1	3.7	4	4.6
ISR size	T10	T15	T20	T20	T25	T25	T30

Informatii utile:
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7504N-H	Autoforant	-	Zincat	-
7504N-T	Autoforant	-	Zincat	-

© SMART INVEST GOLD SRL

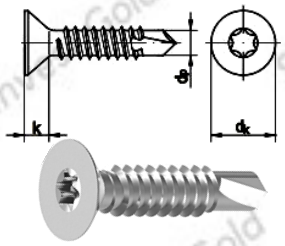
Surub autoforant cu cap inecat si amprenta cruce
2.7 DIN 7504P-H



DIN 7504P-H (ISO 15842; UNI 8119)
Surub autoforand cu cap inecat si amprenta cruce

Dimensiuni	ST 2.9	ST 3.5	ST 3.9	ST 4.2	ST 4.8	ST 5.5	ST 6.3
f.sheet thicknesses	0.7 to 1.9	0.7 to 2.25	0.7 to 2.25	1.75 to 3.0	1.75 to 4.4	1.75 to 5.25	2.0 to 6.0
$d_{p\ max.}$	2.3	2.8	3.2	3.6	4.1	4.8	5.8
$d_{k\ max.}$	5.5	6.8	7.5	8.1	9.5	10.8	12.4
$K_{max.}$	1.7	2.1	2.3	2.5	3.0	3.4	3.8
cross recess size	1	2	2	2	2	3	3

Surub autoforant cu cap inecat si amprenta TORX
2.8 DIN 7504P-T



DIN 7504P-T (ISO 15842; UNI 8119)
Surub autoforand cu cap si amprenta TORX
(Self driving flat head CSK head screws)

Dimensiuni	ST 2.9	ST 3.5	ST 3.9	ST 4.2	ST 4.8	ST 5.5	ST 6.3
f. sheet thicknesses	0.7 to 1.9	0.7 to 2.25	0.7 to 2.4	1.75 to 3.0	1.75 to K.K	1.75 to 5.25	2.0 to 6.0
$d_{p\ max.}$	2.3	2.8	3.2	3.6	4.1	4.8	5.8
$d_{k\ max.}$	5.5	6.8	7.5	8.1	9.5	10.8	12.4
$K_{max.}$	1.7	2.1	2.3	2.5	3	3.4	3.8
ISR size	T10	T15	T20	T20	T25	T25	T30

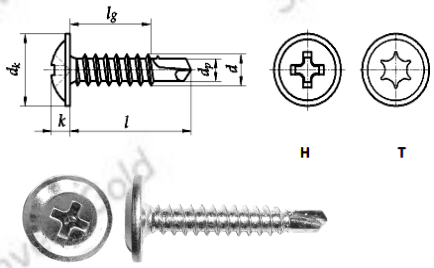
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7504P-H	Autoforant	-	Zincat	-
7504P-T	Autoforant	-	Zincat	-

©SMART INVEST GOLD SRL

Surub autoforant cu cap bombat si locas hexalobular(Torx)
2.9 DIN 7504T-PH / 7504T-T



DIN 7504T -Surub autoforant cu cap bombat si locas hexalobular (Torx)
(Self-drilling screws with wafer head)

d_1		4,2
d_k	Max	11,2
	min	10,2
k	~	3,0
d_p	~	3,5
Drilling capacity	od	1,75
	do	3,0
H		2
T		20
l		lg
13		4,3
16		7,3
19		10,3
25		16,3
32		23

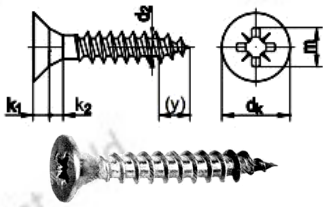
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7504T-PH / 7504T-T	Autoforant	-	-	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

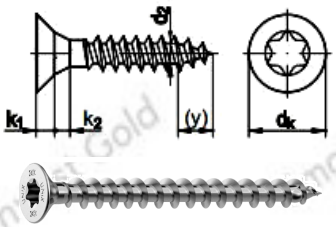
Surub pal cu cap inecat cu amprenta cruce
2.10 DIN 7505A-PZ



DIN 7505A-PZ
Surub pal cu cap inecat cu amprenta cruce
(Pozidrive countersunk flat head, chipboard screws)

Dimensiuni	ST 3	ST 3.5	ST 4	ST4.5	ST 5	ST 6
d_2	1.9	2.5	2.67	2.7	3	3.7
d_k	6	7	8	9	10	12
$K_{1max.}$	1.9	2.1	2.5	2.7	3	3.6
$K_{2max.}$	1.6	1.8	2	2.2	2.5	3
y	3	3.4	4	4.3	4.8	5.7
cross recess size	1	2	2	2	2	3

Surub pal cu cap inecat cu amprenta TORX
2.11 DIN 7505A-T



DIN 7505A -Surub pal cu cap inecat cu amprenta TORX
(Chipboard screws with countersunk head and hexalobular socket)

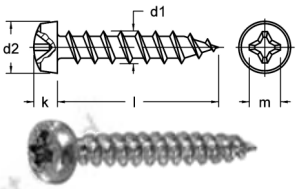
Dimensiuni	ST 3	ST 3.5	ST 4	ST4.5	ST 5	ST6	ST 8
d_2	1.9	2.5	2.67	2.7	3	3.7	5
d_k	6	7	8	9	10	12	15.1
k_{1max}	1.9	2.1	2.5	2.7	3	36	4.4
k_{2max}	1.6	1.8	2	2.2	2.5	3	3.8
y	3	3.4	4	4.3	4.8	5.7	6.5
cross recess size	T10	T15	T20	T20	T25	T30	T4O

Informatii utile:
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel	Acoperire	Disponibilitate INOX
7505A-PZ	Autofiletant	-	Zincat alb; zincat galben	INOX A2
7505A-T	Autofiletant	-	Zincat alb; zincat galben	-

©SMART INVEST GOLD SRL

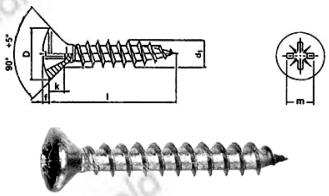
Surub pal cu cap bombat cu amprenta cruce
2.12 DIN 7505B-PZ



DIN 7505B-PZ -Surub pal cu cap bombat cu amprenta cruce
(Pozidrive chipboard screw, oval head)

Dimensiuni	2.5	3	3.5	4	4.5	5	6
d_2	4.9	5.9	6.9	7.9	8.8	9.8	11.75
k	2	2.25	2.5	2.8	3	3.5	4.1
m	1	1	2	2	2	2	3

Surub pal cu cap semibombat cu amprenta cruce
2.13 DIN 7505C– PZ



DIN 7505C-PZ -Surub pal cu cap semibombat cu amprenta cruce
(Pozidrive chipboard screw, semioval head)

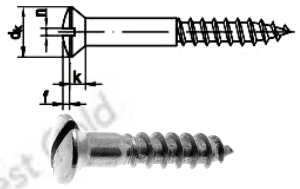
Dimensiuni	2.5	3	3.5	4	4.5	5	6
d	5	6	7	8	9	10	12
k	1.4	1.8	2	2.35	2.55	2.85	3.35
m	1	1	2	2	2	2	3

Informatii utile:
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7505B 7505C	Autofiletant	-	Zincat alb; zincat galben	INOX A2; INOX A4

© SMART INVEST GOLD SRL

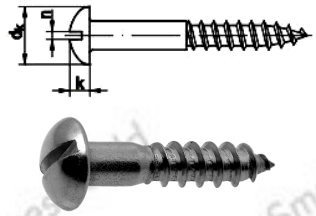
Surub pentru lemn cu cap semiînecat crestat
2.14 DIN 95



DIN 95 -Surub pentru lemn cu cap semiînecat crestat
(Slotted raised countersunk head wood screws)

Dimensiuni	1.6	3	2.5	3	3.5
d_k	3	3.8	4.7	5.6	6.5
k	0.96	1.2	1.5	1.65	1.93
f	0.4	0.5	0.6	0.75	0.9
n	0.4	0.5	0.6	0.8	0.8
Dimensiuni	**4**	**4.5**	**5**	**6**	**8**
d_k	7.5	8.3	9.2	11	14.5
k	2.2	2.35	2.5	3	4
f	1	1.1	1.25	1.5	2
n	1	1	1.2	1.6	2

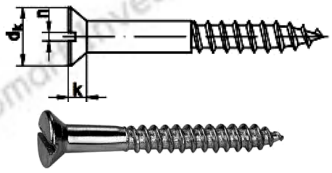
Surub pentru lemn cu cap bombat crestat
2.15 DIN 96



DIN 96 - Surub pentru lemn cu cap bombat crestat
(Slotted round head wood screws)

Dimensiuni	1.6	2	2.5	3	3.5
d_k	3.2	4	5	6	7
k	1.1	1.4	1.7	2.1	2.4
n	0.4	0.5	0.6	0.8	0.8
Dimensiuni	**4**	**4.5**	**5**	**6**	**8**
d_k	8	9	10	12	16
k	2.8	3.1	3.5	4.2	5.6
n	1	1	1.2	1.6	2

Surub pentru lemn cu cap înecat crestat
2.16 DIN 97



DIN 97 – Surub pentru lemn cu cap inecat crestat
(Slotted countersunk head wood screws)

Dimensiuni	1.6	2	2.5	3	3.5	4
d_k	3	3.8	4.7	5.6	6.5	7.5
k	0.96	1.2	1.5	1.65	1.93	2.2
n	0.4	0.5	0.6	0.8	0.8	1
Dimensiuni	**4. 5**	**5**	**5.5**	**6**	**7**	**8**
d_k	8.3	9.2	10.2	11	12.5	14. 5
k	2.35	2.5	2.75	3	3.5	4
n	1	1.2	1.2	1.6	2	2

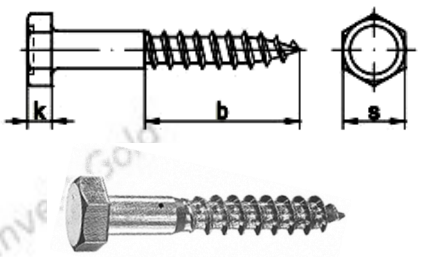
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
95	Autofiletant	-	Natur, Zincat, Alama	INOX A2, INOX A4
96	Autofiletant	-	Natur, Zincat, Alama	INOX A2, INOX A4
97	Autofiletant	-	Natur, Zincat, Alama	INOX A2, INOX A4

©SMART INVEST GOLD SRL

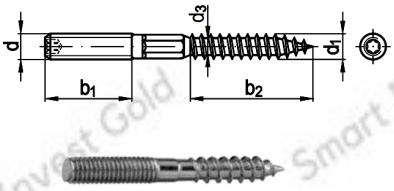
Holz-surub cu cap hexagonal
2.17 DIN 571



Dimensiuni	M4	M5	M6	M7	M8	M10	M12	M16
b	> 0.6 l	> 0.6 l	> 0.6 l	> 0.6 l	> 0.6 l	> 0.6 l	> 0.6 l	> 0.6 l
k	2.8	3.5	4	5	5.5	7	8	10
S	7	8	10	12	13	17	19	24

DIN 571 (STAS 1454)
Holz-surub cu cap hexagonal
(Hexagon head wood screw)

Prezon lemn metal
2.18 ART 88149



Dimensiuni	M 6	M 8	M 10	M 12
d_1	5	7	8.9	10.7
d_3	3.8	5.4	7	8.5
SW	-	6	8	10
ISR size*	T15	T25	T25	T30

ART 88149
Prezon lemn metal
(Hanger bolts)

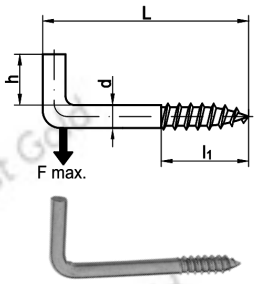
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
571	Autofiletant	-	Natur; zincat; zincat termic (HDG)	INOX A2; INOX A4
88149	Autofiletant	-	Natur, Zincat	INOX A2

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

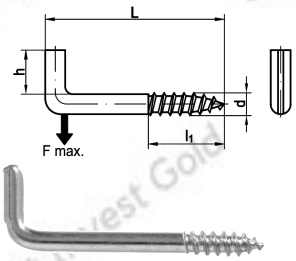
Surub autofiletant forma L
2.19 ART 88137



ART 88137
Surub autofiletant forma L
(Square bend screw hooks with wood screw thread)

Dimensiuni	2.8	2.8	3.3	4.1
h	8	10	11	11
d	2.3	2,3	2.6	3.2
l	20	25	30	40
l_1	8	10	12	15
$F_{max.}$	7.5 kg	7.5 kg	10 kg	12.5 kg
for plugs	4	4	5	6
Dimensiuni	**4.8**	**4.8**	**5.5**	**6**
h	13	13	18	18
d	3.8	3.8	4. 2	4.7
l	50	60	80	100
l_1	22	25	32	38
$F_{max.}$	15 kg	15 kg	20 kg	25 kg
for plugs	6	6	8	8

Surub autofiletant forma cu crestatura
2.20 ART 88139



ART 88139
Surub autofiletant forma cu crestatura
(Square bend slotted screw hooks with wood screw thread)

Dimensiune	4.4	5.2	5.8
h	9	10	12
d	4.4	5.2	5.8
l	40/50	30/40/50/60	80/100
l_1	18/22	13/18/22/25	30/38
f max	25 kg	40 kg	50 kg
for plugs	6	8	8

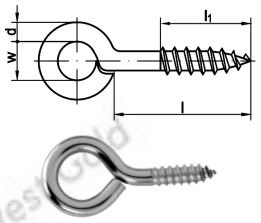
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

ARTICOL	Tip filet	Grupa otel	Acoperire	Disponibilitate INOX
88137 / 88139	Autofiletant	-	Zincat	-

©SMART INVEST GOLD SRL

Surub autofiletant cu ochi
2.21 ART 88133



ART 88133
Surub autofiletant cu ochi
(Screw eyes with woo screw thread)

Dimensiuni	6x3	8x3	8x4	10x3	10x4	10x6	12x3	12x4
w	3	8	4	3	4	6	3	4
d	2	2	2.3	2	2.3	2.9	2	2.3
1	6	s	8	10	10	10	12	12
l_1	4	5	5	7	7	7	3	8
Dimensiuni	**12x6**	**12xB**	**12x10**	**16x4**	**16x6**	**16x8**	**16x10**	**16x12**
w	6	3	10	4	6	3	10	12
d	2.9	3.3	3.7	2.3	2.9	3.3	3.7	3.9
1	12	12	12	16	16	16	16	16
l_1	3	3	8	10	10	10	10	10
Dimensiuni	**20X6**	**20X8**	**20x10**	**20X12**	**25x8**	**25X10**	**25X12**	**25X14**
w	6	3	10	12	8	10	12	14
d	2.9	3.3	3.7	3.9	3.3	3.7	3.7	4
1	20	20	20	20	25	25	25	25
l_1	12	12	12	12	15	15	15	15
Dimensiuni	**25x16**	**30x8**	**30x10**	**30x12**	**30x14**	**30x16**	**30x18**	**40x12**
w	16	8	10	12	14	16	I8	12
d	4.6	3.3	3.7	3.9	4	4.6	5	3.9
1	25	30	30	30	30	30	30	40
l_1	15	18	18	18	20	13	18	22
Dimensiuni	**40x14**	**40x16**	**40x18**	**40x20**	**50x14**	**50x16**	**50x18**	**50x20**
w	14	16	16	20	14	16	18	20
d	4	4.6	5	5.2	4	4.6	5	5.2
1	40	40	40	40	50	50	50	50
l_1	25	22	22	22	25	25	25	25

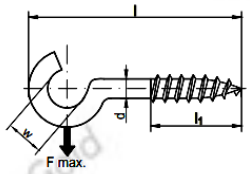
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

ARTICOL	Tip filet	Grupa otel	Acoperire	Disponibilitate INOX
88133	Autofiletant	-	Zincat	-

© SMART INVEST GOLD SRL

Surub autofiletant cu carlig
2.22 ART 88140 / 88141





ART 88140 / 88141
Surub autofiletant cu carlig
(Screw hooks/Cup hooks with wood screw thread)

Dimensiuni	2.8	3.3	3.6	4.1
w	6/8	10 - 11	12 - 14	16 - 20
d	2.3	2.6	2.8	3.2
l	20/25	30	40	50/60
l_1	6/8	10	12	15/22
F_{max}	4 kg	4 kg	7.5 kg	9 kg
for plugs	4	5	5	6
Dimensiuni	**4.8**	**5.5**	**6**	**6.4**
w	22 - 23	25 - 26	25-30	25
d	3.8	4.2	4.7	5.2
l	70	80	100	80
l_1	22	26	30	24
F_{max}	10 kg	12.5 kg	15 kg	25 kg
for plugs	6	8	8	10

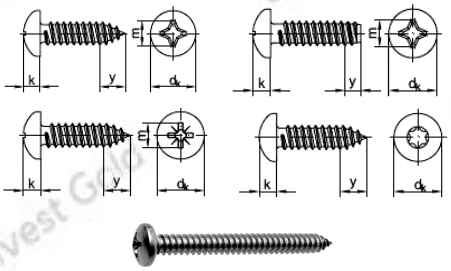
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

ARTICOL	Tip filet	Grupa otel	Acoperire	Disponibilitate INOX
88140 / 88141	Autofiletant	-	Zincat	-

©SMART INVEST GOLD SRL

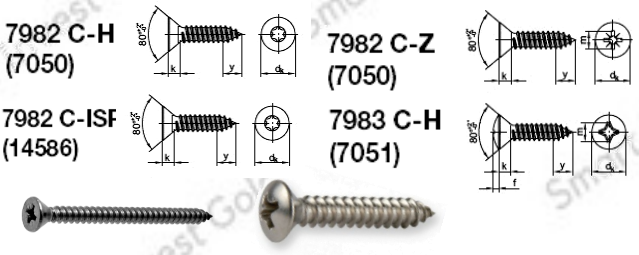
Surub cu cap bombat pentru tabla
2.23 DIN 7981



DIN 7981 (STAS 9844; ISO 7049; UNI 6954; EN 27049)
Surub cu cap bombat pentru tabla
(Cross recessed pan head tapping screws)

Dimensiuni	ST2.2	ST2.9	ST3.5	ST3.9
$d_{k\ DIN/ISO}$	4/4.2	5.6	7/6.9	7.5
K max ISO /DIN	1.6/1.8	2.4/2.4	2.6	2.8
cross recess size	1	1	2	2
ISR	T6	T10	T15	T15
$Y_{type\ C}$	2	2.6	3.2	3.5
$Y_{type\ F}$	1.6	2.1	2.5	2.7
Dimensiuni	**ST4.2**	**ST4.8**	**ST5.5**	**ST6.3**
$d_{k\ DIN/ISO}$	8/8.2	9.5	11/10.8	12/12.5
K max ISO /DIN	3.1/3.05	3.7/3.5	4/3.95	4.6/4.55
Cross recess size	2	2	3	3
ISR	T20	T25	T25	T30
$Y_{type\ C}$	3.7	4.2	5	6
$Y_{type\ F}$	2.8	3.2	3.6	3.6

Surub cu cap inecat pentru tabla
2.24 DIN 7982 / DIN 7983



DIN 7982 / DIN 7983 (STAS 9344; ISO 7050; UNI 6955; EN 27050)
Surub cu cap inecat pentru tabla
(Cross recessed countersunk head
tapping screws)

Dimenisuni	ST2.2	ST2.9	ST3.5	ST3.9
$d_{k\ ISO\ /\ DIN}$	3.8/4.3	5.5	6,8/7.3	7,5
$k_{max\ ISO/DIN}$	1.1/1.3	1.7	2.35/2.1	2.3
cross recess size	0	1	2	2
ISR	-	10	15	20
$Y_{type\ c}$	2	2.6	3.2	3.2
$y_{type\ f}$	1.6	2.1	2.5	2.7
Dimenisuni	**ST4.2**	**ST4.8**	**ST5.5**	**ST6.3**
$d_{k\ ISO\ /\ DIN}$	8.4/8.1	9.3/9.5	10.3/10.8	11.3/12.4
$k_{max\ ISO/DIN}$	2.6/2.5	2.8/3	3/3.4	3.15/3.8
cross recess size	2	2	3	3
ISR	20	25	25	30
$Y_{type\ c}$	3.7	4.3	5	6
$Y_{type\ f}$	2.8	3.2	3.5	3.6

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel/ Materiale	Acoperire	Disponibilitate INOX
7981 / 7982 / 7983	Autofiletant	-	Natur; zincat	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

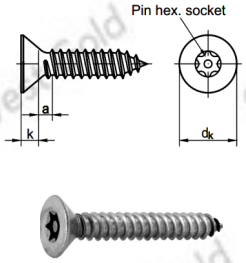
Surub autofiletant cap bombat TORX
2.25 ART 88114 ~ DIN 7981



ART 88114
Surub autofiletant cap bombat TORX
(Theft resistant screws with raised head and hex. socket drive)

Dimensiuni	ST 3.5	ST4.2	ST 4.8	ST 5.5	ST 6.3
d_k	6.9	8.2	9.5	10.8	12.5
k	2.6	3.05	3.55	3.95	4.55
$a_{max.}$	13	1.4	1.6	1.8	1.8
Pin - ISR - size	T10	T15	T25	T27	T27

Surub autofiletant cu cap inecat TORX
2.26 ART 88115 ~ DIN 7982



ART 88115
Surub autofiletant cu cap inecat TORX
(Theft resistant screws with countersunk head and hex. socket drive)

Dimensiuni	ST2.9	ST 3.5	ST 4.2	ST4.8	ST 5.5	ST 6.3
d_k	5.5	6.8	8.1	9.5	10.8	12.4
k	1.7	2.1	2.5	3	3.4	3.8
a_{max}	1.1	1.3	1.4	1.6	1.8	1.8
Pin - ISR - size	T10	T15	T20	T25	T27	T30

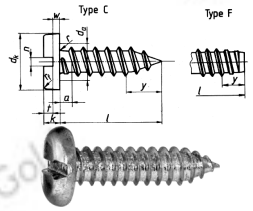
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

ARTICOL	Tip filet	Grupa otel	Acoperire	Disponibilitate INOX
88114 ; 88115	Autofiletant	-	Natur	INOX A2

©SMART INVEST GOLD SRL

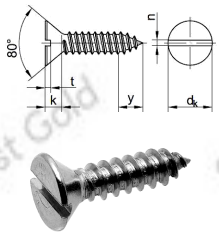
Surub autofiletant cu cap cilindric crestat
2.27 DIN 7971



DIN 7971 (ISO 1481) -Surub autofiletant cu cap cilindric crestat
(Self-tapping screw with notched cylindrical head)

M	ST2.2	ST2.9	ST3.5	ST3.9	ST4.2	ST4.8	ST5.5	ST6.3
$d_{K\ DIN/ISC}$	4.2/4	5.6	6.9/7	7.5	8.2/8	9.5	10.8/11	12.5/12
$K_{\ DIN/ISO}$	1.35/1.3	1.75/1.8	2.1	2.25	2.45/2.4	2.8/3	3,2	3.65/3,6
n	0.6	0.6	1	1	1.2	1.2	1.6	1.6
t_{min}	0.55	1.75	0.95	1,05	1,15	1,35	1,55	1.8
$Y_{\ form\ c}$	2	2.6	3.2	3.5	3.7	4.2	5	6
$Y_{\ form\ f}$	1.6	2.1	2.5	2.7	2.8	3.2	3.6	3.6

Surub autofiletant cu cap inecat, crestat
2.28 DIN 7972



DIN 7972 -Surub autofiletant cu cap inecat, crestat
(Self-tapping screw with flat head)

Dimenisuni	ST 2.2	ST 2.9	ST 3 .5	ST 3.9	ST 4.2	ST 4.8	ST 5.5	ST 6.3
$d_{\ k\ DIN/ISO}$	4.3/4.4	5.5/6.3	6.8/3.2	7.5	9.1/9.2	9.5/10.4	10.8/11.5	12.4/12.6
$k_{\ DIN/ISO}$	1.3/1.1	1.7	2.1/2.35	2.3	2.5/2.6	3/2.8	3.4/3	3.3/3.15
n	0.6	0.8	1	1	1.2	1.2	1.6	1.6
$t_{\ min}$	0.55	1.75	0.95	1.05	1.15	1.35	1.55	1.8
y	2	2.6	3.2	3.5	3.7	4.2	5	6

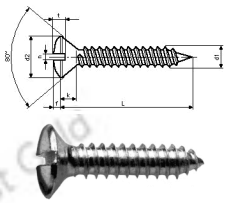
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7971 7972	Autofiletant	-	Zincat	INOX A2

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

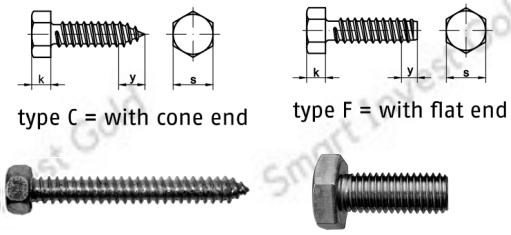
Surub autofiletant cu cap semiînecat crestat, forma C
2.29 DIN 7973



DIN 7973 -Surub autofiletant cu cap semiînecat crestat, forma C
(Self-tapping screw with semi-oval head and slotted serrations

Dimensiuni	ST 2.2	ST 2.9	ST 3.5	ST 3 .9	ST4.2	ST4.8	ST 5.5	ST6.3
$d_{k\ DIN/ISO}$	4.3/4.4	5.5/6.3	6.8/8.2	7.5	8.1/9.2	9.5/10.4	10.8/11.5	12.4/12.6
$f_{DIN/ISO}$	0.7/0.5	0.9/0 7	1.2/0.8	1.3	1.4/1	1.5/1.2	1.7/1.3	2/1.4
$k_{DIN/ISO}$	1.3/1.1	1.7	2.1/2.35	2.3	2.5/2.6	3/2.8	3.4/3	3.8/3.15
n	0. 5	0 8	1	1	1.2	1.2	1.6	1.6
t_{min}	0.8	1.2	1 .4	1.7	1. 6	2	2.2	2.4
Y	2	2.6	3.2	3.5	3.7	4.3	5	6

Surub de tabla cu cap hexagonal si varf ascutit/plat
2.30 DIN 7976



DIN 7976 (ISO 1479) -Surub de tabla cu cap hexagonal si varf ascutit/plat
(Hexagon head tapping screws)

Dimensiuni	ST2.9	ST 3.5	ST3.9	ST4.2
$K_{ISO/DIN}$	2.3/1.5	2.6/2.3	2.3	3/2.8
S	5	5.5	7	7
$Y_{type\ C}$	2.6	3.2	3.5	3.7
$Y_{type\ f}$	-	-	-	2.8
Dimensiuni	**ST4.8**	**ST5.5**	**ST6.3**	**ST 8**
$K_{ISO/DIN}$	3.8/3	4.1/4	4.7/4.8	6/5.3
S	7	8	10	13
$Y_{type\ c}$	4.2	5	6	7.5
$Y_{type\ f}$	3.2	-	3.6	-

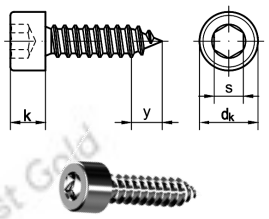
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.
- In dimensiunile produsului am mentionat doar pasul fin, pasul normal a se vedea la pg nr.-

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7973 7976	Autofiletant	-	Zincat	-

©SMART INVEST GOLD SRL

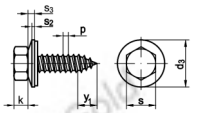
Surub autofiletant cap imbus
2.31 ART 88312



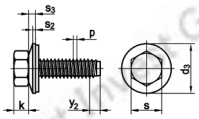
Dimensiuni	ST 4.8	ST 5.5	ST 6.3
d_k	8.5	10	10
k	5	6	6
s	4	5	5
Y~	4.3	5	6

ART 88132
Surub autofiletant cu cap imbus
(Cylindrical head tapping screws with hexagon socket)

Surub autofiletant cap hexagonal si flansa
2.32 ART 88176 / 88276



88176 type A = with cone end



88276 type BZ = with flat end



Dimensiuni	88176 6.5
s	3/8 "
k	4
P	2.54
y_1	6
Y2	-
$d_{3(washer)}$	16/18*
$S_{2(washer)}$	1
S 3(washer)	2
f. sheet thicknesses	0.60 - 1.50
for drilling Ø	4. 5

ART 88176 / 88276
Surub autofiletant cu cap hexagonal si flansa
(Tapping screws for facing with assembled sealing washer)

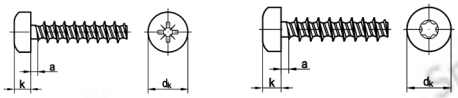
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

ARTICOL	Tip filet	Grupa otel	Acoperire	Disponibilitate INOX
88132 ; 88176 88276	Autofiletant	-	Natur	INOX A4

© SMART INVEST GOLD SRL

Surub autofiletant cap bombat TORX pentru plastic
2.33 ART 88200

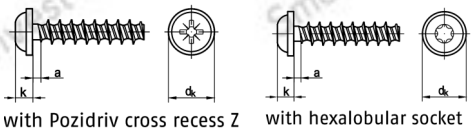




ART 88200
Surub autofiletant cap bombat TORX pentru plastic
(Pan head screws with thread for plastic thermoplastics)

Dimensiuni	2.2	2.5	3	3.5
dk KS/ISR	3.9/4	4.4/4.2	5.3/5.6	6.1/6.9
K CR/ISR	1.5/1.5	1.7/1.6	2/2.1	2.5/2.3
a_1	2.2	2.5	3	3.5
a_2	1.1	1.3	1.5	1.8
cross recess size	1	1	1	1
ISR size	T6	T8	T10	110
Dimensiuni	**4**	**5**	**6**	
Dk KS/ISR	7/7.5	8.8/8.2	10.5/10.8	
K CR/ISR	2.7/2.6	3.4/2.9	4/3.8	
a_1	4	6	7	
a_2	2	3	3.5	
cross recess size	2	2	2	
ISR size	T20	T20	T25	

Surub autofiletant cap bombat si flansa TORX pentru plastic
2.34 ART 88202





ART 88202
Surub autofiletant cap bombat si flansa TORX pentru plastic
(Pan head screws with collar with screws thread for plastic thermoplastics)

Dimensiuni	2.2	2.5	3	3.5
dk KS/ISR	4.4/4. 5	5	6	7
k CR/ISR	1.6/1.4	1.8/1.5	2.1	2.4
a_1	2.2	2.5	3	3.5
a_2	1.1	1.3	1.5	1.8
cross recess size	1	1	1	1
ISR size	T6	T6	T10	T10
Dimensiuni	**4**	**5**	**6**	
dk KS/ISR	8	10	12	
K CR/ISR	2.5/2.6	3.2/3.3	4.3/6	
a_1	4	6	7	
a2	2	3	3.5	
cross recess size	2	2	2	
ISR size	T20	T20	T25	

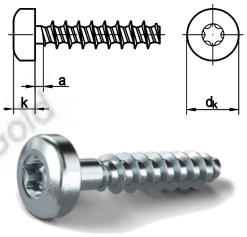
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

ARTICOL	Tip filet	Grupa otel	Acoperire	Disponibilitate INOX
88200 ; 88202	Autofiletant	-	Zincat	-

©SMART INVEST GOLD SRL

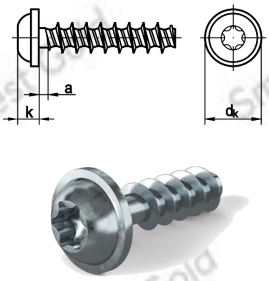
Surub autofiletant cap bombat TORX pentru plastic
2.35 ART 88203



ART 88203
Surub autofiletant cap bombat TORX pentru plastic
(Pan head screws with hexalobular socket for plastic (thermoplastics)

Dimensiuni	2.2	2.5	3	3.5
d_K	3.9	4.4	5.3	6.1
k	1.6	1.9	2.3	2.7
$a_{max.}$	1.1	1.3	1.5	1.8
ISR size	T6	T8	T10	T15
Dimensiuni	**4**	**5**	**6**	
d_k	7	8.8	10.5	
k	3.1	3.5	4.2	
$a_{max.}$	2	2.5	3	
ISR size	T20	T25	T30	

Surub autofiletant cap bombat si flansa TORX pentru plastic
2.36 ART 88204



ART 88204
Surub autofiletant cap bombat si flansa TORX pentru plastic
(Pan head screws with collar with screws thread for plastic (thermoplastics), with hexalobular socket)

Dimensiuni	2.2	2.5	3	3.5
d_k	5	5.5	6.5	7.5
k	1.6	1.9	2.3	2.7
$a_{max.}$	1.1	1.3	1.5	1.8
ISR size	T6	T8	T10	T15
Dimensiuni	**4**	**5**	**6**	
d_k	9	11	13.5	
k	3.1	3.5	4.2	
$a_{max.}$	2	2.5	3	
ISR size	T20	T25	T30	

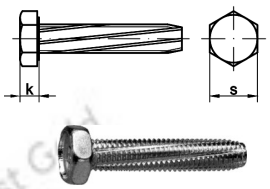
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

ARTICOL	Tip filet	Grupa otel	Acoperire	Disponibilitate INOX
88203 ; 88204	Autofiletant	-	Zincat	-

© SMART INVEST GOLD SRL

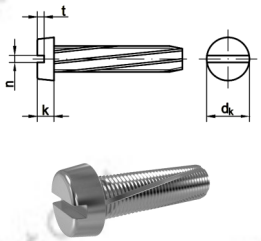
Surub autofiletant pentru metal cu cap hexagonal
2.37 DIN 7513A



DIN 7513A -Surub autofiletant pentru metal cu cap hexagonal
(Thread cutting screws)

Dimensiuni	M 4	M 5	M 6	M 8
s	7	8	10	13
k	2.8	3.5	4	5.3
core hole Ø	3.6	4.5	5.5	7.4

Surub autofiletant pentru metal cu cap cilindric crestat
2.38 DIN 7513B



DIN 7513B -Surub autofiletant pentru metal cu cap cilindric crestat
(Thread cutting screws)

Dimensiuni	M 3	M 4	M 5	M 6
$d_{k\ max}$	5.5	7	8.5	10
k	2	2.6	3.3	3.9
n	0.8	1.2	1.2	1.6
$t_{min.}$	0.85	1.1	1.3	1.6
core hole Ø*	2.7	3.6	4.5	5.5

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7513A ; 7513B	Autofiletant	-	Zincat	-

©SMART INVEST GOLD SRL

Buloane de fundatie
DIN 529A / 529B / 529C / 529D / 529E / 529F / 529G / 529L / 529H / DIN 525



DIN 529A (STAS 2350)
Buloane de fundatie forma A
(Anchor bolts)



DIN 529D (STAS 2350)
Buloane de fundatie forma D
(Anchor Bolts)



DIN 529G (STAS 2350)
Buloane de fundatie forma G
(Masonry bolts)



DIN 529B (STAS 2350)
Buloane de fundatie forma B
(Anchor Bolts)



DIN 529E (STAS 2350)
Buloane de fundatie forma E
(Masonry bolts)



DIN 529L (STAS 2350)
Buloane de fundatie forma L
(Masonry bolts)



DIN 529C (STAS 2350)
Buloane de fundatie forma C
(Masonry bolts)



DIN 529F (STAS 2350)
Buloane de fundatie forma F
(Masonry bolts)



DIN 529H (STAS 2350)
Buloane de fundatie forma H
(Masonry bolts)



DIN 525 -Bulon fundatie forma dreapta
(Masonry bolts)

Informatii utile:

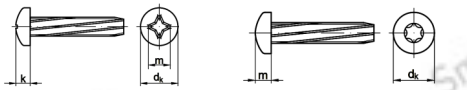
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

- La data cererii se vor comunica urmatoarele:
- Lungimea totala, Lungimea filetului, Lungimea pana la indoitura, Forma bulonului (A, B, C, D, E, F, G),
- La comanda se pot furniza si piulite aferente DIN 934.
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

© SMART INVEST GOLD SRL

Surub autofiletant pentru metal cu cap cilindric bombat
2.39 DIN 7516A

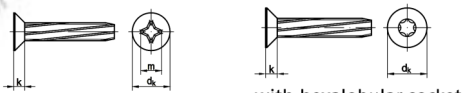




DIN 7516A -Surub autofiletant pentru metal cu cap cilindric bombat
(Thread cutting screws)

Dimensiuni	M3	M4	M5	M 6	M 8
$d_{k\ max.}$	6	8	10	12	16
K_{max}	2.4	3.1	3.8	4.6	6
cross recess size	1	2	2	3	4
ISR	T10	T20	T25	T30	T40
core hole Ø*	2.7	3.6	4.5	5.5	7.4

Surub autofiletant pentru metal cu cap inecat
2.40 DIN 7516D

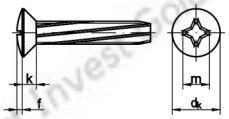




DIN 7516D -Surub autofiletant pentru metal cu cap inecat
(Thread cutting screws)

Dimensiuni	M3	M4	M5	M6	M8
$d_{k\ max}$	5.6	7.5	9.2	11	14.5
$K_{\ max}$	1.65	2.2	2.5	3	4
cross recess size	1	2	2	3	4
ISR	T10	T20	T25	T30	T40

Surub autofiletant pentru metal cu cap semiinecat
2.41 DIN 7516E





DIN 7516E -Surub autofiletant pentru metal cu cap semiinecat
(Thread Cutting screws)

Dimensiuni	M3	M4	M5	M6	M7
$d_{k\ max}$	5.6	7.5	9.2	11	14.5
f	0.75	1	1.25	1.5	2
$K_{\ max}$	1.65	2.2	2.5	3	4
cross recess size	1	2	2	3	4
core hole Ø*	2.7	3.6	4.5	5.5	7.4

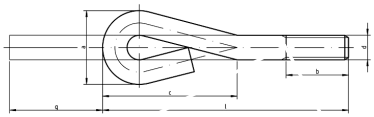
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7516A /D /E	Autofiletant	-	Zincat	-

©SMART INVEST GOLD SRL

Bulon de fundatie
3.1 DIN 529A

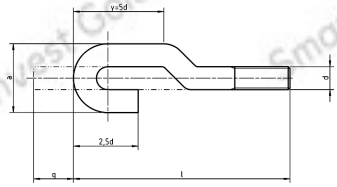




Thread size d	M8	M10	M12	M16	M20	M24	M30	M36
a + /-3	24	30	36	48	60	75	95	115
C+/-5	45	55	65	85	105	125	155	190
g	30	38	45	60	75	90	115	135
Thread size d	**M42**	**M48**	**M56**	**M64**	**M72*6**			
a + /-3	135	155	180	200	240			
C+/-5	220	250	290	335	370			
g	155	180	210	235	260			

DIN 529A (STAS 2350)
Buloane de fundatie forma A
(Anchor bolts)

Bulon de fundatie
3.2 DIN 529B





Thread size d	M8	M10	M12	M16	M20	M24	M30	M36
a+/-3	24	30	36	48	60	75	95	115
g	-	-	-	45	55	70	90	110
Thread size d	**M42**	**M48**	**M56**	**M64**	**M72*6**			
a+/-3	135	155	180	200	240			
g	125	140	165	185	215			

DIN 529B (STAS 2350)
Buloane de fundatie forma B
(Anchor Bolts)

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

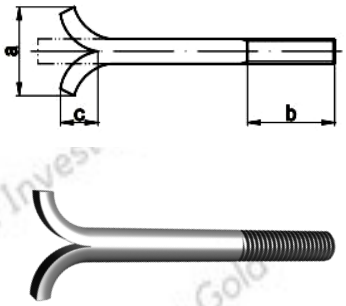
IMPORTANT!

- La data cererii se vor comunica urmatoarele:
- Lungimea totala, Lungimea filetului, Lungimea pana la indoitura, Forma bulonului (A, B, C, D, E, F, G),
- La comanda se pot furniza si piulite aferente DIN 934
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
529A	Partial filetat	6.8; 8.8	Zincat	-
529B	Partial filetat	6.8; 8.8	Zincat	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

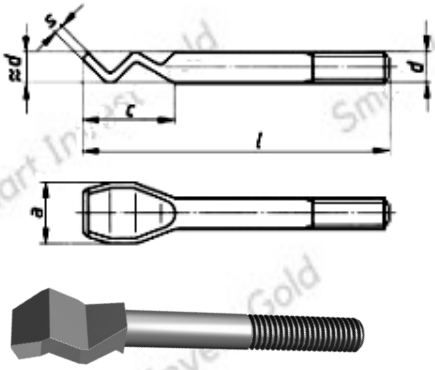
Bulon de fundatie
3.3 DIN 529C



Thread size d	M8	M10	M12	M16	M20	M24	M30	M36
a+/-3	24	30	36	48	60	75	95	115
C+/-5	12	15	18	24	30	36	45	54
a	5	7	8	11	14	18	24	30
Thread size d	**M42**	**M48**	**M56**	**M64**	**M72*6**			
a+/-3	135	155	180	200	240			
C+/-5	63	72	84	96	110			
a	34	40	45	50	60			

DIN 529C (STAS 2350)
Buloane de fundatie forma C
(Masonry bolts)

Bulon de fundatie
3.4 DIN 529D



Thread size, d	M8	M10	M12	M16	M20	M24
a+/-3	16	20	24	32	40	48
C+/-5	24	30	36	48	60	72
s+ /-1.5	3	3.5	4	5	6	8

DIN 529D (STAS 2350)
Buloane de fundatie forma D
(Anchor Bolts)

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

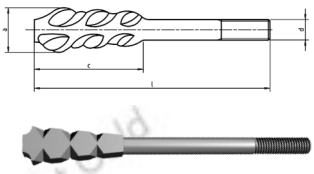
IMPORTANT!

- La data cererii se vor comunica urmatoarele:
- Lungimea totala, Lungimea filetului, Lungimea pana la indoitura, Forma bulonului (A, B, C, D, E, F, G),
- La comanda se pot furniza si piulite aferente DIN 934
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
529C	Partial filetat	6.8; 8.8	Zincat	-
529D	Partial filetat	6.8; 8.8	Zincat	-

©SMART INVEST GOLD SRL

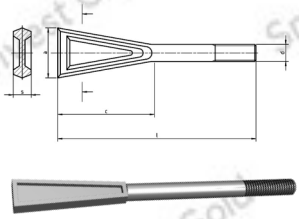
Bulon de fundatie
3.5 DIN 529E



DIN 529E (STAS 2350)
Buloane de fundatie forma E
(Masonry bolts)

Thread size d	M8	M10	M12	M16	M20	M24	M30	M36
p	1.25	1.5	1.75	2	2.5	3	3.5	4
b	20	25	30	40	50	60	75	90
a+/-3	16	20	24	32	40	48	60	72
c+/-5	45	55	70	90	100	135	150	180
Thread size d	**M42**	**M48**	**M56**	**M64**	**M72x6**			
p	4.5	5	5.5	6	6			
b	105	120	140	160	180			
a+/-3	85	98	-	-	-			
c+/-5	260	260	-	-	-			

Bulon de fundatie
3.6 DIN 529F



DIN 529F (STAS 2350)
Buloane de fundatie forma F
(Masonry bolts)

Thread size d	M8	M10	M12	M16	M20	M24	M30	M36
P	1.25	1.5	1.75	2	2.5	3	3.5	4
b	20	25	30	40	50	60	75	90
a±3	20	25	30	40	50	60	75	90
c±5	5	6	7	10	12	14	18	22
s±1.5	6	8	10	14	18	22	26	30
Thread size d	**M48**	**M52**	**M56**	**M64**	**M72x6**			
P	4.5	5	5.5	6	6			
b	105	120	140	160	180			
a±3	65	75	-	-	-			
c±5	200	220	-	-	-			
s±1.5	36	42	-	-	-			

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

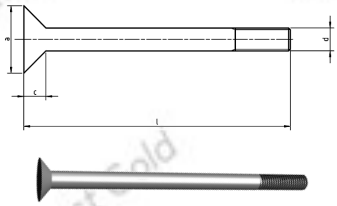
IMPORTANT!

- La data cererii se vor comunica urmatoarele:
- Lungimea totala, Lungimea filetului, Lungimea pana la indoitura, Forma bulonului (A, B, C, D, E, F, G),
- La comanda se pot furniza si piulite aferente DIN 934
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
529E	Partial filetat	6.8; 8.8	Zincat	-
529F	Partial filetat	6.8; 8.8	Zincat	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Bulon de fundatie
3.7 DIN 529G



DIN 529G (STAS 2350)
Buloane de fundatie forma G
(Masonry bolts)

Thread size d	M8	M10	M12	M16	M20	M24	M30	M36
P	1.25	1.5	1.75	2	2.5	3	3.5	4
b	20	25	30	40	50	60	75	90
a±3	20	25	30	40	50	60	75	90
c±5	5	6	7	10	12	14	18	22
Thread size d	**M48**	**M52**	**M56**	**M64**	**M72x6**			
P	4.5	5	5.5	6	6			
b	105	120	140	160	180			
a±3	105	120	140	160	180			
c±5	25	29	34	38	43			

Bulon fundatie forma dreapta
3.8 DIN 525



DIN 525 -Bulon de fundatie
(Studs for welding)

Dimensiuni	M6	M8	M10	M12	M14*	M16
b	35	40	45	55	60	65
d_S	6	8	10	12	14	16
Dimensiuni	**M20**	**M22***	**M24**	**M27***	**M30**	**M36**
b	75	80	85	95	105	125
d_S	20	22	24	27	30	36

Informatii utile:

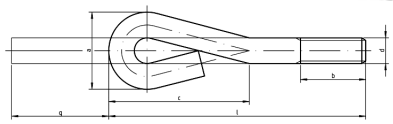
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

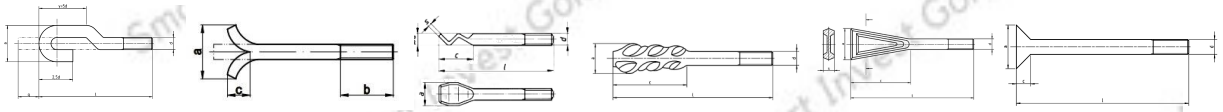
- La data cererii se vor comunica urmatoarele:
- Lungimea totala, Lungimea filetului, Lungimea pana la indoitura, Forma bulonului (A, B, C, D, E, F, G),
- La comanda se pot furniza si piulite aferente DIN 934
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
529G	Partial filetat	6.8; 8.8	Zincat	-
525	Partial filetat	6.8; 8.8	Natur	-

©SMART INVEST GOLD SRL

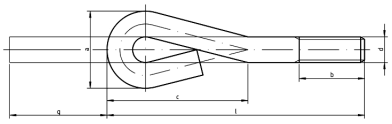


Buloane de fundatie
DIN 529 A-G

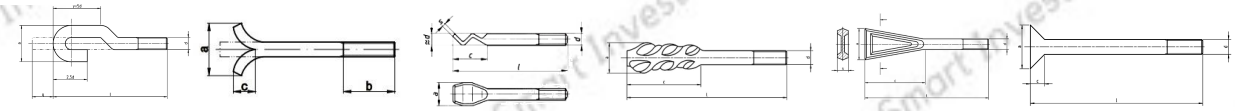


M8x35	M12x35	M16x85	M20x155	M24x125	M30x125	M30x350	M36x250	M42x150
M8x40	M12x40	M16x90	M20x160	M24x130	M30x130	M30x355	M36x255	M42x155
M8x45	M12x45	M16x95	M20x165	M24x135	M30x135	M30x360	M36x260	M42x160
M8x50	M12x50	M16x100	M20x170	M24x140	M30x140	M30x365	M36x265	M42x165
M8x55	M12x55	M16x105	M20x175	M24x145	M30x145	M30x370	M36x270	M42x170
M8x60	M12x60	M16x110	M20x180	M24x150	M30x150	M30x375	M36x275	M42x175
M8x65	M12x65	M16x115	M20x185	M24x155	M30x155	M30x380	M36x280	M42x180
M8x70	M12x70	M16x120	M20x190	M24x160	M30x160	M30x385	M36x285	M42x185
M8x80	M12x75	M16x125	M20x195	M24x165	M30x165	M30x390	M36x290	M42x190
M8x90	M12x80	M16x130	M20x200	M24x170	M30x170	M30x395	M36x295	M42x195
M8x100	M12x85	M16x135	M20x205	M24x175	M30x175	M30x400	M36x300	M42x200
M8x110	M12x90	M16x140	M20x210	M24x180	M30x180	M36x80	M36x305	M42x205
M8x120	M12x95	M16x145	M20x215	M24x185	M30x185	M36x85	M36x310	M42x210
M8x130	M12x100	M16x150	M20x220	M24x190	M30x190	M36x90	M36x315	M42x215
M8x140	M12x105	M16x155	M20x225	M24x195	M30x195	M36x95	M36x320	M42x220
M8x150	M12x110	M16x160	M20x230	M24x200	M30x200	M36x100	M36x325	M42x225
M8x160	M12x115	M16x165	M20x235	M24x205	M30x205	M36x105	M36x330	M42x230
M8x170	M12x120	M16x170	M20x240	M24x210	M30x210	M36x110	M36x335	M42x235
M8x180	M12x125	M16x175	M20x245	M24x215	M30x215	M36x115	M36x340	M42x240
M8x190	M12x130	M16x180	M20x250	M24x220	M30x220	M36x120	M36x345	M42x245
M8x200	M12x135	M16x185	M20x255	M24x225	M30x225	M36x125	M36x350	M42x250
M10x35	M12x140	M16x190	M20x260	M24x230	M30x230	M36x130	M36x355	M42x255
M10x40	M12x145	M16x195	M20x265	M24x235	M30x235	M36x135	M36x360	M42x260
M10x45	M12x150	M16x200	M20x270	M24x240	M30x240	M36x140	M36x365	M42x265
M10x50	M12x155	M20x50	M20x275	M24x245	M30x245	M36x145	M36x370	M42x270
M10x55	M12x160	M20x55	M20x280	M24x250	M30x250	M36x150	M36x375	M42x275
M10x60	M12x165	M20x60	M20x285	M24x255	M30x255	M36x155	M36x380	M42x280
M10x65	M12x170	M20x65	M20x290	M24x260	M30x260	M36x160	M36x385	M42x285
M10x70	M12x175	M20x70	M20x295	M24x265	M30x265	M36x165	M36x390	M42x290
M10x80	M12x180	M20x75	M20x300	M24x270	M30x270	M36x170	M36x395	M42x295
M10x90	M12x185	M20x80	M24x50	M24x275	M30x275	M36x175	M36x400	M42x300
M10x100	M12x190	M20x85	M24x55	M24x280	M30x280	M36x180	M42x80	M42x305
M10x110	M12x195	M20x90	M24x60	M24x285	M30x285	M36x185	M42x85	M42x310
M10x120	M12x200	M20x95	M24x65	M24x290	M30x290	M36x190	M42x90	M42x315
M10x130	M16x30	M20x100	M24x70	M24x295	M30x295	M36x195	M42x95	M42x320
M10x140	M16x35	M20x105	M24x75	M24x300	M30x300	M36x200	M42x100	M42x325
M10x150	M16x40	M20x110	M24x80	M30x80	M30x305	M36x205	M42x105	M42x330
M10x160	M16x45	M20x115	M24x85	M30x85	M30x310	M36x210	M42x110	M42x335
M10x170	M16x50	M20x120	M24x90	M30x90	M30x315	M36x215	M42x115	M42x340
M10x180	M16x55	M20x125	M24x95	M30x95	M30x320	M36x220	M42x120	M42x345
M10x190	M16x60	M20x130	M24x100	M30x100	M30x325	M36x225	M42x125	M42x350
M10x200	M16x65	M20x135	M24x105	M30x105	M30x330	M36x230	M42x130	M42x355
M10x210	M16x70	M20x140	M24x110	M30x110	M30x335	M36x235	M42x135	M42x360
M10x220	M16x75	M20x145	M24x115	M30x115	M30x340	M36x240	M42x140	M42x365
M12x30	M16x80	M20x150	M24x120	M30x120	M30x345	M36x245	M42x145	M42x370

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL



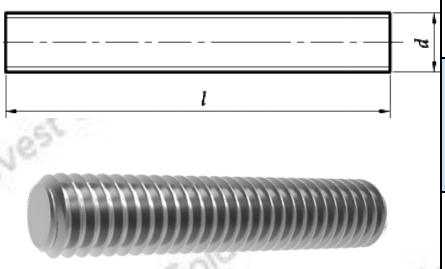
Buloane de fundatie
DIN 529 A-G



M42x375	M48x170	M48x300	M48x430	M64x150	M64x280	M64x410	M72x160	M72x420
M42x380	M48x180	M48x310	M48x440	M64x160	M64x290	M64x420	M72x180	M72x440
M42x385	M48x190	M48x320	M48x450	M64x170	M64x300	M64x430	M72x200	M72x460
M42x390	M48x200	M48x330	M48x460	M64x180	M64x310	M64x440	M72x220	M72x480
M42x395	M48x210	M48x340	M48x470	M64x190	M64x320	M64x450	M72x240	M72x500
M42x400	M48x220	M48x350	M48x480	M64x200	M64x330	M64x460	M72x260	
M48x100	M48x230	M48x360	M48x490	M64x210	M64x340	M64x470	M72x280	
M48x110	M48x240	M48x370	M48x500	M64x220	M64x350	M64x480	M72x300	
M48x120	M48x250	M48x380	M64x100	M64x230	M64x360	M64x490	M72x320	
M48x130	M48x260	M48x390	M64x110	M64x240	M64x370	M64x500	M72x340	
M48x140	M48x270	M48x400	M64x120	M64x250	M64x380	M72x100	M72x360	
M48x150	M48x280	M48x410	M64x130	M64x260	M64x390	M72x120	M72x380	
M48x160	M48x290	M48x420	M64x140	M64x270	M64x400	M72x140	M72x400	

©SMART INVEST GOLD SRL

Tija filetata
3.9 DIN 975 / DIN 976



DIN 975 -Tija filetata
(Threaded rods)

Dimensiuni	M2	M2.5	M3	(M3.5)	M4	M5	M6
d	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
d	M8	M10	M12	(M14)	M16	(M18)	M20
	M8x1	M10x1.25	M12x1.25	(M14x1.5)	M16x1.5	(M18x1.5)	M20x1.5
	-	M10x1	M12x1.5	-	-	-	-
d	(M22)	M24	(M27)	M30	(M33)	M36	M39
	(M22x1.5)	M24x2	(M27x2)	M30x2	(M33x2)	M36x3	(M39x3)
	-	-	-	-	-	-	-
d	M42	(M45)	M48	M52	M56	(M60)	M64
	M42x3	(M45x3)	M48x3	M52x3	M56x4	(M60x4)	M64x4
	-	-	-	-	-	-	-

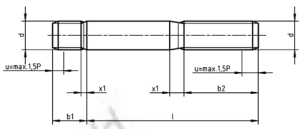
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.
- Exista la 1m, 2m si 3m.

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
975	Total filetat	5.8; 8.8; 10.9; 12.9	Natur; Zincat; Zincat galben;	INOX A2; INOX A4

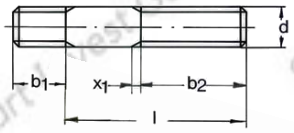
© SMART INVEST GOLD SRL

Prezon
B DIN 938 / DIN 939





DIN 938 -Prezon
(Stud)

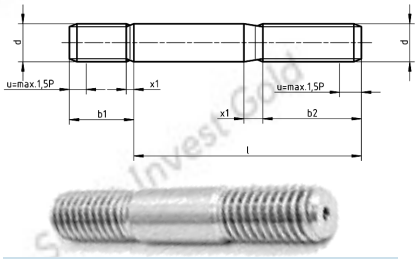




DIN 939 -Prezon
(Stud)

Dimensiuni	M5	M6	M8	M10	M12	M14	M16	M20
b_1(DIN938)	5	6	8	10	12	14	16	20
b_1(DIN939)	6.5	7.5	10	12	15	18	20	25
x_1	2	2.5	3.2	3.8	4.3	5	5	6.3
x_2	1	1.25	1.6	1.9	2.2	2.5	2.5	3.2
b_2^1	16	18	22	26	30	34	38	46
b_2^2	22	24	28	32	36	40	44	53
b_2^3	-	-	-	45	49	53	57	65
Dimensiuni	**M24**	**M27**	**M30**					
b_1(DIN938)	24	27	30					
b_1(DIN939)	30	35	38					
x_1	7.5	7.5	9					
x_2	3.8	3.8	4.5					
b_2^1	54	60	66					
b_2^2	60	66	72					
b_2^3	73	79	85					

Prezon
3.11 DIN 835



DIN 835 -Prezon
(Stud)

Dimensiuni	M6	M8	M10	M12	M16
b_1	12	16	20	24	32
x_1	2.5	3.2	3.8	4.3	5
b_2^1	18	22	26	30	38
b_2^2	24	28	32	36	44
b_2^3	-	-	45	49	57

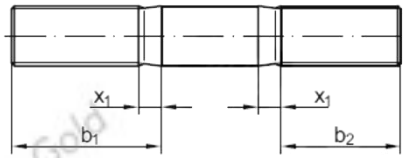
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
938 / 939	-	5.8; 8.8	Natur; Zincat	INOX A2; INOX A4
835	-	5.8; 8.8	Natur	INOX A4

©SMART INVEST GOLD SRL

Prezon
3.12 DIN 940





DIN 940 -Prezon
(Stud)

Dimensiuni	M6	M8	M10	M12	M16	M20
b_1	15	20	25	30	40	50
x_1	2.5	32	3.8	4.3	5	6.3
b_2[3]	18	22	26	30	38	46
b_2[2]	24	28	32	36	44	52
b_2[3]	-	-	45	49	57	65

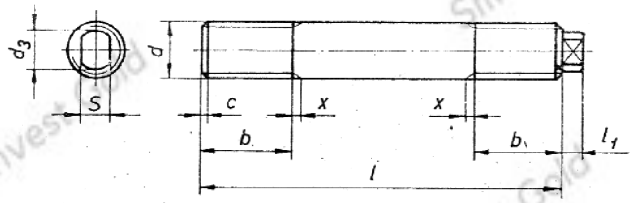
Informatii utile:

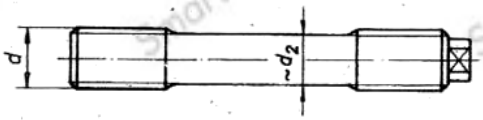
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
940	-	-	-	-

© SMART INVEST GOLD SRL

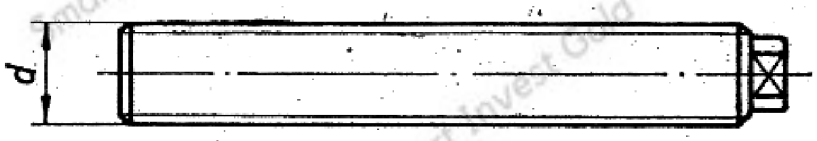
Prezon tip 1 cu tija normal forma A
3.13 STAS 8121 / 1A





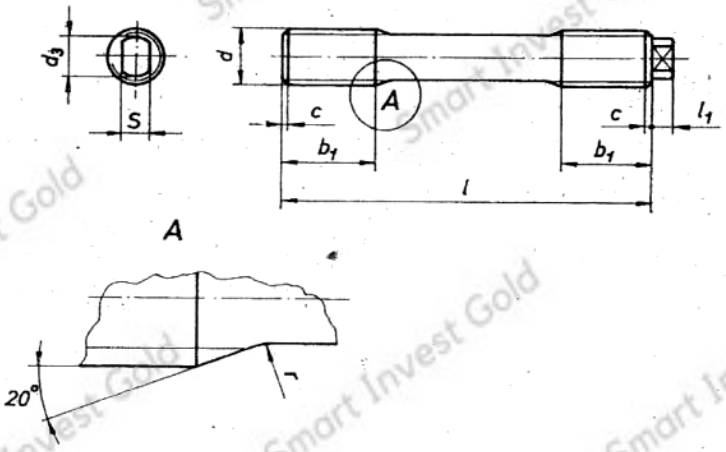
d_2 — diametrul mediu al filetului
c — conform STAS 4924-79
x — conform STAS 3508/1-80

Prezon tip 1 cu tija normal forma B
3.14 STAS 8121 / 1B

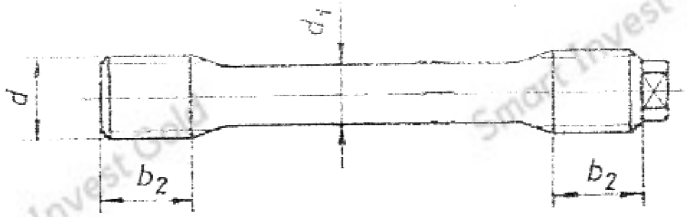


©SMART INVEST GOLD SRL

Prezoan tip 2 cu tija elastica forma A
3.15 STAS 8121 / 2A



Prezoan tip 2 cu tija elastica forma B
3.16 STAS 8121 / 2B



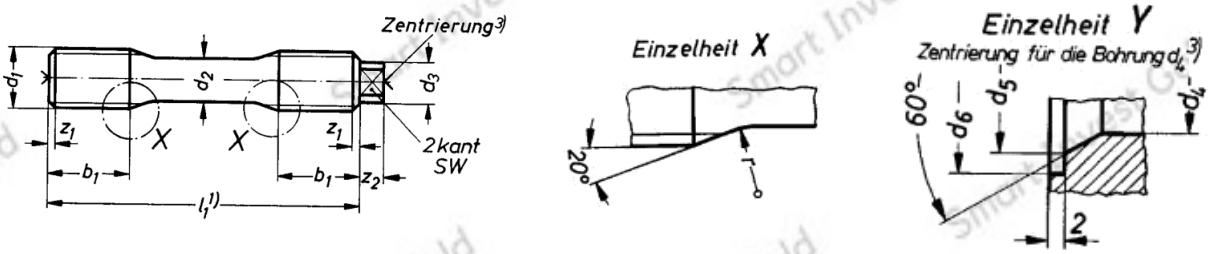
© SMART INVEST GOLD SRL

Prezoane cu tija normal / elastica
Forma A / Forma B

Filet d	d_1	b	b_1	b_2	d_3	l_1	r	S
M12	8.5	20	27	20	8	4	10	7
M16	12	23	31	23	12	5		10
M20	15	28	36	28	14	6		11
M24	18	32	42	32	14	6	16	11
M27	20.5	35	47	35	18	6		13
M30	23	39	50	39	18	6		13
M33	25.5	42	53	42	25	9		22
M36	27.5	45	57	45	25	9	20	22
M39	30.5	48	60	48	28	10		24
M42	32.5	52	64	52	28	10		24
M45	35.5	55	66	55	32	11		27
M48	37.5	58	70	58	32	11		27
M52	41	62	74	62	36	12		30
M56	44	66	79	67	40	13	25	32
M64	51	71	88	75	42	14		36
M72x6	58.5	78	95	83	50	15		41

©SMART INVEST GOLD SRL

Prezon forma L
3.17 DIN 2510L



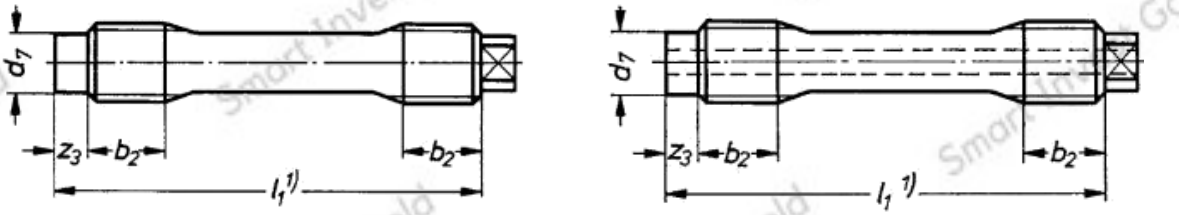
DIN 2510L -Prezon forma L
(Bolts with waisted shank)

Prezon forma K
3.18 DIN 2510K



DIN 2510K -Prezon forma K
(Bolts with waisted shank)

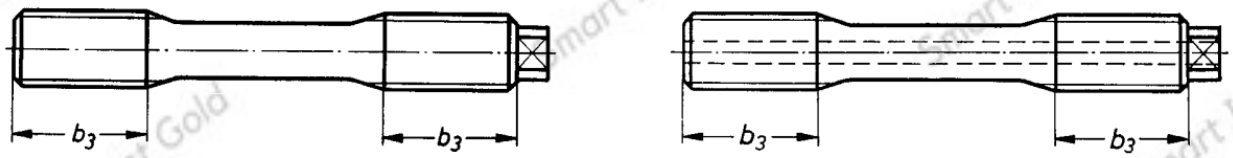
Prezon forma KU
3.19 DIN 2510KU



DIN 2510KU -Prezon forma KU
(Bolts with waisted shank)

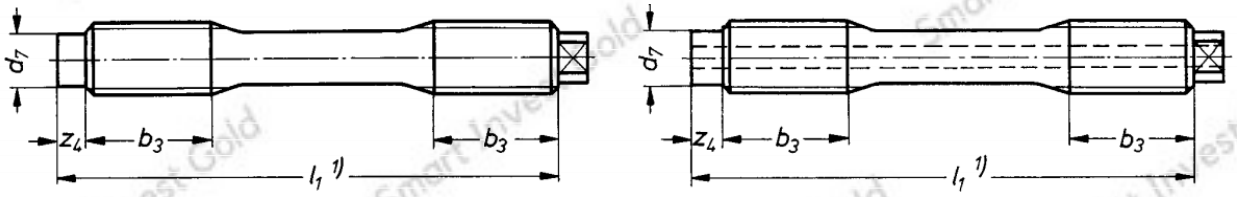
© SMART INVEST GOLD SRL

Prezon forma Z
3.20 DIN 2510Z



DIN 2510Z -Prezon forma Z
(Bolts with waisted shank)

Prezon forma ZU
3.21 DIN 2510ZU



DIN 2510ZU -Prezon forma ZU
(Bolts with waisted shank)

©SMART INVEST GOLD SRL

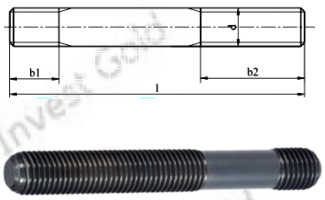
Prezon
DIN 2510

DIN 2510	M12	M16	M20	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52	M56
d_2	8.5	12	15	18	20.5	23	25.5	27.5	30.5	32.5	35.5	37.5	41	44
d_3	8	12	14	14	18	18	5	25	28	28	32	32	36	40
d_7	8	12	13	16	18	21	24	26	30	32	34	37	40	45
b_1	20	23	28	32	35	39	42	45	48	52	55	58	62	
b_2	13	16	20	24	27	30	33	36	39	42	45	48	52	56
b_3	27	31	36	42	47	50	53	57	60	64	66	70	74	79
r	10	10	10	16	16	16	16	20	20	20	20	20	20	25
SW	7	10	11	11	13	13	22	22	24	24	27	27	30	32
z1 max	1.75	2	2.5	3	3	3.5	3.5	4	4	4.5	4.5	5	5	5.5
z_2	4	5	6	6	6	6	7	7	10	10	11	11	12	13
z_3	11	14	16	17	19	19	21	23	23	24	25	26	26	28
z_4	7	8	9	8	10	12	14	14	14	15	15	19	18	19
Centering	A 1.6					A 2.5								

DIN 2510	M64	M72x6	M80x6	M90x6	M100x6	M110x6	(M120x6)	M125x8	M140x8	(M150x8)	M160x8	(M170x8)	M180x8	
d_2	51	58.5	66	75	84	92.5	102	106	118	127	136	145	154	
d_3	42	50	50	50	50	50	50	50	65	65	65	65	65	
d_4	18	25	25	25	25	25	25	25	36	36	36	36	36	
d_5	25	32	32	32	32	32	32	32	43	43	43	43	43	
d_6	30	37	37	37	37	37	37	37	48	48	48	48	48	
d_7	52	56	63	74	86	97	105							
b_1														
b_2	64	72	80	90	100	110	120	125	140	150	160	170	180	
b_3	88	95	103	112	122	132	142							
r	25	25	25	25	25	25	32	32	32	32	32	32	32	
SW	36	41	41	41	41	41	41	41	55	55	55	55	55	
$z_{1\ max}$	6	6	6	6	6	6	6	8	8	8	8	8	8	
z_2	14	15	15	15	15	15	15	15	18	18	18	18	18	
z_3	28	28	28	28	28	28	30							
z_4	20	20	19	20	19	19	20							
Centering	A4					A 6.3								

© SMART INVEST GOLD SRL

Prezon pentru piulite T
3.22 DIN 6379



DIN 6379 -Prezon pentru piulite T
(Studs for use with tee nuts)

Dimensiuni		M6	M8	M10	M12	M16	M20	M24	M30	M36
b_1		9 ±0.45	11 ±0.55	13±0 55	15+0.55	19 ±0.65	27 ±0.65	35 ±0.8	43 ±0.8	51 ±0.95
b2 - thread length										
l	40 ±0.8	-	20 ±0.65	-	-	-	-	-	-	-
	50 ±0.8	30 ±0.65	-	25 ±0.65	25 ±0₇65	-	-	-	-	-
	63 ±0.95		40 ±0.8			32 ±0.8	-	-	-	-
	80 ±0.95	50 ±0.8	-	50 ±0.8	50 ±0.8		32 ±0.8	-	-	-
	100 ±1.1	-	63 ±0.95	-	-	63±0.95	-	45 ±0.8	-	-
	125 ±1.25	-	-	75 ±0.95	75 ±0.95		70 ±0.95	-	56 ±0.95	-
	160 ±1.25	-	-	-	-	100+1.1		100 ±1.1	-	86 ±0.95
	200+1.45	-	-	125+1.25	125±1.25		125±1.25	-	125±1.25	-
	250 ±1.45	-	-	-		160±1.25		160±1.25	-	160±1.25
	315±1.6	-	-	-	-	-	190±1.45	-	190±1.45	-
	400 ±1.8	-	-	-	-	-	-	250±1.45	-	250+1.45
	500 ±2	-	-	-	-	-	-	-	315±1.6	-

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

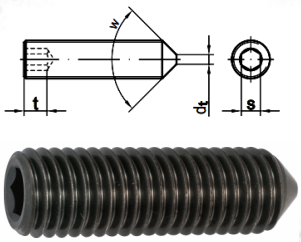
DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6379	-	8.8; 10.9; 12.9	Natur; Zincat; Zincat galben; Zincat termic(HDG); Alama	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Stift filetat
3.23 DIN 913 / DIN 914



DIN 913 -Stift filetat locas imbus cap plat
(Torx socket set screws with flat point)



DIN 914 -Stift filetat locas imbus cu varf
(Hexagon socket set screws with cone point)

Dimensiuni	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6
s	0.7	0.7	0.9	1.3	1.5	2	2.5	3
$d_{p\ max}$/ $d_{t\ max}$	0.45	0.8	1	1.5	2	2.5	3.5	4
t_1	0.6	0.7	0.8	1.2	1.2	1.5	2	2
t_2	1.4	0.5	0.7	2	2	2.5	3	3.5
Dimensiuni	**M8**	**M10**	**M12**	**M14**	**M16**	**M20**	**M24**	
s	4	5	6	6	8	10	12	
$d_{p\ max}$/ $d_{t\ max}$	5.5	7	8.5	10	12	15	18	
t_1	3	4	4.8	5.6	6.4	8	10	
t_2	5	6	8	9	10	12	15	

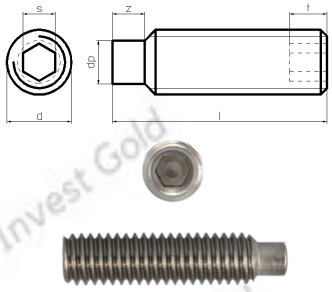
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
913 / 914	-	-	Natur; Zincat	INOX A4

© SMART INVEST GOLD SRL

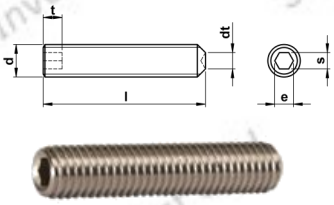
Stift filetat locas imbus si cep
3.24 DIN 915



DIN 915 -Stift filetat locas imbus si cep
(Hexagon socket screws with dog point)

Dimensiuni	M1.4*	M2*	M3	M4	M5	M6	M8	M10
s	0.7	0.9	1.5	2	2.5	3	4	5
$z_{1\ max\ (short)}$	0.65	0.75	1	1.25	1.5	1.75	2.25	2.75
t_1	0.6	0.6	1.2	1.5	2	2	3	4
d_p	0.7	0.7	2	2.5	3.5	4	5.5	7
$z_{2\ max\ (long)}$	1.05	1.05	1.75	2.25	2.75	3.25	4.3	5.3
t_2	1.4	1.4	2	2.5	3	3.5	5	6
Dimensiuni	**M12**	**M14**	**M16**	**M20**	**M24**			
s	6	6	8	10	12			
$z_{1\ max\ (short)}$	3.25	3.8	4.3	5.3	6.3			
t_1	4.8	5.6	6.4	8	10			
d_p	8.5	10	12	15	18			
$z_{2\ max\ (long)}$	6.3	7.36	8.36	10.36	12.43			
t_2	8	9	10	12	15			

Stift filetat locas imbus si con interior
3.25 DIN 916



DIN 916 -Stift filetat locas imbus si con interior
(Hexagon socket screws with cup point)

Dimensiuni	M1.4	M1.6	M1.8	M2	M2.5	M3	M4	M5
s	0.7	0.7	0.7	0.9	1.3	1.5	2	2.5
d_v max	0.7	0.8	0.9	1	1.2	1.4	2	2.5
t_1	0.6	0.7	0.8	0.8	1.2	1.2	1.5	2
t_2	1.4	1.5	1.6	1.7	2	2	2.5	3
Dimensiuni	**M6**	**M8**	**M10**	**M12**	**M14**	**M16**	**M20**	**M24**
s	3	4	5	6	6	8	10	12
d_v max	3	5	6	8	9	10	14	16
t_1	2	3	4	4.8	5.6	6.4	8	10
t_2	3.5	5	6	8	9	10	12	15

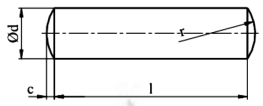
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
915 / 916	-	-	Natur; Zincat	INOX A4

©SMART INVEST GOLD SRL

Stift paralel
3.26 DIN 7

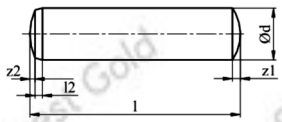




DIN 7 -Stift paralel
(Parallel pins)

Dimensiuni	0.8	1	1.2	1.5	2	2.5	3	4	5
c	0.12	0.15	0.18	0.23	0.3	0.4	0.56	0.5	0.8
r	0.8	1	1.2	1.5	2	2.5	3	4	5
Dimensiuni	**6**	**8**	**10**	**12**	**16**	**20**	**25**	**30**	**40**
c	1.2	1.6	2	2.5	3	3.5	4	5	6.3
r	6	8	10	12	16	20	25	30	40

Stift paralel
3.27 DIN 6325





DIN 6325 -Stift paralel
(Parallel pins; Hardened)

Dimensiuni	1	1.5	2	2.5	3	4	5	6
l_2	0.4	0.5	0.6	0.7	0.8	1	1.2	1.5
z_1	0.15	0.23	0.3	0.4	0.45	0.6	0.75	0.9
z_2	0.06	0.12	0.16	0.25	0.3	0.4	0.5	0.6
Dimensiuni	**8**	**10**	**12**	**14**	**16**	**20**		
l_2	1.8	2	2.5	2.5	3	4		
z_1	1.2	1.5	1.8	2	2.5	3		
z_2	0.8	1	1.3	1.3	1.7	2		

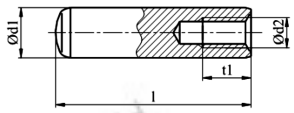
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.
- Exista la 1m, 2m si 3m.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7	-	-	Natur	INOX A2, INOX X4
6325	-	-	Natur	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Stift paralel cu filet interior
3.28 DIN 7979D

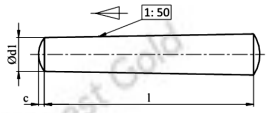




DIN 7979D -Stift paralel cu filet interior
(Parallel pins with internal thread)

d_1	6	8	10	12	14	16	20	25
d_2	M4	M5	M6	M6	M8	M8	M10	M16
t_1	6	8	10	10	12	12	16	24

Stift conic
3.29 DIN 1B





DIN 1B -Stift conic
(Taper pin)

d_1	0.6	0.8	1	1.5	2	2.5	3	4
cmax	0.1	0.12	0.15	0.23	0.3	0.4	0.45	0.6
d_1	5	6	8	10	12	14	16	20
c_{max}	0.75	0.9	1.2	1.4	1.6	2	2.5	3
d1	25	30	40	50				
c_{max}	4	4.5	6	7.5				

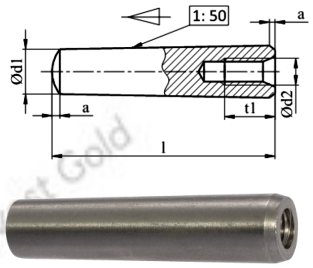
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7979D	-	-	Natur	-
1B	-	-	Natur; 21CrMoVs7; 23CrMo4	-

©SMART INVEST GOLD SRL

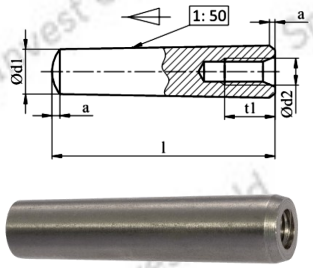
Stift conic cu filet interior
3.30 DIN 7978



d_1	6	8	10	12	16	20
P	0.7	0.8	1	1.25	1.5	1.75
d_2	M4	M5	M6	M8	M10	M12
t_1	6	8	10	12	16	18
a	0.8	1	1.2	1.6	2	2

DIN 7978 -Stift conic cu filet interior (Tapered pins with internal thread, unhardened)

Stift conic cu filet exterior
3.31 DIN 7977



d_1		5	6	8	10	12	16	20
a_{max}		2.4	3	4	4.5	5.3	6	6
b	max	15.6	20	24.5	27	30.5	39	39
	min	14	18	22	24	27	35	35
d_2		M5	M6	M8	M10	M12	M16	M16
P		0.8	1	1.25	1.5	1.75	2	2
d_3	max	3.5	4	5.5	7	8.5	12	12
	min	3.25	3.7	5.2	6.6	8.1	11.5	11.5

DIN 7977 -Stift conic cu filet exterior (Tapered pins with external thread, unhardened)

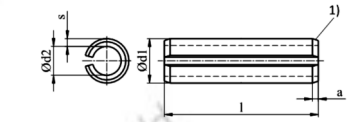
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7978	-	-	Natur	-
7977	-	-	Natur	-

© SMART INVEST GOLD SRL

Stift elastic serie grea
3.32 DIN 1481





DIN 1481 -Stift elastic serie grea
(Spring type straight pins; slotted, heavy duty)

d1	nom	1	1.5	2	2.5	3	3.5	4	4.5
	max	1.3	1.8	2.4	2.9	3.5	4	4.6	5.1
	min	1.2	1.7	2.3	2.8	3.3	3.8	4.4	4.9
d_2		0.8	1.1	1.5	1.8	2.1	2.3	2.8	2.9
a	max	0.35	0.45	0.55	0.6	0.7	0.8	0.85	1
	min	0.15	0.25	0.35	0.4	0.5	0.6	0.65	0.8
s		0.2	0.3	0.4	0.5	0.6	0.75	0.8	1
d1	nom	5	6	8	10	12	13	14	16
	max	5.6	6.7	8.8	10.8	12.8	13.8	14.8	16.8
	min	5.4	6.4	8.5	10.5	12.5	13.5	14.5	16.5
d_2		3.4	4	5.5	6.5	7.5	8.5	8.5	10.5
a	max	1.1	1.4	2	2.4	2.4	2.4	2.4	2.4
	min	0.9	1.2	1.6	2	2	2	2	2
s		1	1.2	1.5	2	2.5	2.5	3	3
d1	nom	18	20	21	25	28	30	32	35
	max	18.9	20.9	21.9	25.9	28.9	30.9	32.9	35.9
	min	18.5	20.5	21.5	25.5	28.5	30.5	32.5	35.5
d_2		11.5	12.5	13.5	15.5	17.5	18.5	20.5	21.5
a	max	2.4	3.4	3.4	3.4	3.4	3.4	3.6	3.6
	min	2	3	3	3	3	3	3	3
s		3.5	4	4	5	5.5	6	6	7

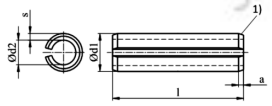
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
1481	-	-	Natur; Zincat	INOX A2

©SMART INVEST GOLD SRL

Stift crestat serie usoara
3.33 DIN 7346





DIN 7346 -Stift crestat serie usoara (Spring type straight pins; slotted, light duty)

d1	nom	2	2.5	3	3.5	4	4.5	5	6
	max	2.4	2.9	3.5	4	4.6	5.1	5.6	6.7
	min	2.3	2.8	3.3	3.8	4.4	4.9	5.4	6.4
d_2		1.9	2.3	2.7	3.1	3.4	3.9	4.4	4.9
a	max	0.4	0.45	0.45	0.5	0.7	0.7	0.7	0.9
	min	0.2	0.25	0.25	0.3	0.5	0.5	0.5	0.7
s		0.2	0.3	0.3	0.35	0.5	0.5	0.5	0.75
d1	nom	8	10	12	13	14	16	18	20
	max	8.8	10.8	12.8	13.5	14.8	16.8	18.9	20.9
	min	8.5	10.5	12.5	13.5	14.5	16.5	18.5	20.5
d_2		7	8.5	10.5	11	11.5	13.5	15	16.5
a	max	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	min	1.5	2	2	2	2	2	2	2
s		0.75	1	1	1.2	1.5	1.5	1.7	2
d1	nom	21	25	28	30	35	40	45	50
	max	21.9	25.9	28.9	30.6	35.9	40.9	45.9	50.9
	min	21.5	25.5	28.5	30.5	35.5	40.5	45.5	50.5
d_2		17.5	21.5	23.5	25.5	28.5	32.5	37.5	40.5
a	max	2.4	3.4	3.4	3.4	3.6	4.6	4.6	4.6
	min	2	3	3	3	3	4	4	4
s		2	2	2.5	2.5	3.5	4	4	5

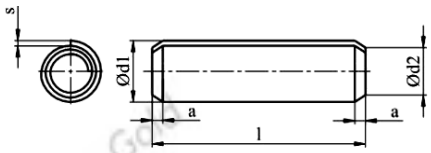
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7346	-	-	Natur	-

© SMART INVEST GOLD SRL

Stift elastic spiralat serie grea
3.34 DIN 7343





DIN 7343 -Stift elastic spiralat serie grea (Spring type straight pins; slotted, coiled, standard duty)

d1	nom	0.8	1	1.2	1.5	2	2.5	3	3.5	4
	max*	0.91	1.15	1.35	1.73	2.25	2.78	3.3	3.84	4.4
	min*	0.85	1.05	1.25	1.62	2.13	2.65	3.15	3.67	4.2
d_2*		0.75	0.95	1.15	1.4	1.9	2.4	2.9	3.4	3.9
a		0.3	0.3	0.4	0.5	0.7	0.7	0.9	1	1.1
s		0.07	0.08	0.1	0.13	0.17	0.21	0.25	0.29	0.33
d1	nom	5	6	8	10	12	14	16	20	
	max*	5.5	6.5	8.63	10.8	12.85	14.95	17	21.1	
	min*	5.25	6.25	8.3	10.35	12.4	14.45	16.65	20.4	
d_2*		4.85	5.85	7.8	9.75	11.7	13.6	15.6	19.6	
a		1.3	1.5	2	2.5	3	3.5	4	4.5	
s		0.42	0.5	0.67	0.84	1	1.2	1.3	1.7	

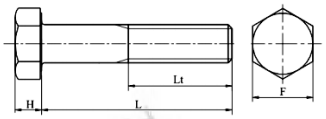
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7343	-	-	Natur	-

©SMART INVEST GOLD SRL

Surub inch cap hexagonal, partial filetat
4.1 ANSI B18.2.1 ~ DIN 931



Dimensiuni		1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1 1/8
		0.25	0.3125	0.375	0.4375	0.5	0.5625	0.625	0.75	0.875	1	1.125
F	Nom	7/16	1/2	9/16	5/8	3/4	13/16	15/16	1 1/8	1 5/16	1 1/2	1 11/16
	Max	0.438	0.5	0.562	0.625	0.75	0.812	0.938	1.125	1.312	1.5	1.688
	Min	0.428	0.489	0.551	0.612	0.736	0.798	0.922	1.1	1.285	1.469	1.631
H	Nom	5/32	16/64	15/64	9/32	5/16	23/64	25/64	15/32	35/64	39/64	11/16
	Max	0.163	0.211	0.243	0.291	0.323	0.371	0.403	0 483	0.563	0.627	0.718
	Min	0.15	0.195	0.226	0.272	0.302	0.348	0.378	0.455	0.531	0.591	0.658
L_t	≤6	0.75	0.875	1	1.125	1.25	1.375	1.5	1.75	2	2.250	2.5
	>6	1	1.125	1.25	1.375	1.5	1.625	1.75	2	2.25	2.5	2.75

Dimensiuni		1 1/4	1 3/8	1 1/2	1 3/4	2	21/4	2 1/2	2 3/4	3
		1.25	1.375	1.5	1.75	2	2.25	2.5	2.75	3
F	Nom	1 7/8	2 1/16	2 1/4	2 5/8	3	33/8	$3^3/_4$	4 1/8	4%
	Max	1.675	2.063	2.25	2.625	3	3.375	3.75	4.125	4.5
	Min	1.812	1.994	2.175	2.533	2.9	3.262	3.625	3.988	4.35
H	Nom	25/32	27/32	1 5/16	1 3/32	1 7/32	1 3/8	1 17/32	1 11/16	1 7/8
	Max	0.813	0.873	0.974	1.134	1.263	1.423	1.583	1.744	1.935
	Min	0.749	0.81	0.902	1.054	1.175	1.327	1.479	1.632	1.815
L_t	≤6	2.75	3	3.25	3.75	4.250	-	-	-	-
	>6	3	3.25	3.500	4	4.5	5	5.5	6	6.5

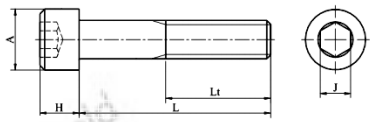
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

Standard	Lungime filet	Tip filet	Duritate
ANSI B18.2.1	-	UNC/ UNF	Grade 5; Grade 8

© SMART INVEST GOLD SRL

Surub inch cap cilindric cu amprenta imbus
4.2 ANSI B18.3 ~ ISO 4762



Dimensiuni		0	1	2	3	4	5	6	8	10	1/4	5/16
		0.06	0.073	0.086	0.099	0.112	0.125	0.138	0.164	0.19	0.25	0.3125
A	Max	0.096	0.118	0.14	0.161	0.183	0.205	226	0.27	0.312	0.375	0.469
	Min	0.091	0.112	0.134	0.154	0.176	0.198	0.218	0.262	0.303	0.365	0.457
H	Max	0.06	0.073	0.086	0.099	0.112	0.125	0.138	0.164	0.190	0.25	0.312
	Min	0.057	0.07	0.083	0.095	0.108	0.121	0.134	0.159	0.185	0.244	0.306
J	Nom	-	1/16	5/64	5/64	3/32	3/32	7/64	9/64	5/32	3/16	1/4
		0.05	0.062	0.078	0.078	0.094	0.094	0.109	0.141	0.156	0.188	0.25

Dimensiuni		3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
		0.375	0.4375	0.5	0.625	0.75	0.875	1	1.125	1.25	1.375	1.5
A	Max	0.562	0.656	0.75	0.938	1.125	1.312	1.5	1.688	1.875	2 062	2.25
	Min	0.55	0.642	0.735	0.921	1.107	1.293	1.479	1.665	1.852	2.038	2.224
H	Max	0.375	0.438	0.5	0.625	0.75	0.875	1	1.125	1.25	1.375	1.5
	Min	0.368	0.43	0.492	0.616	0.74	0.864	0.988	1.111	1.236	1.36	1.485
J	Nom	5/16	3/8	3/8	1/2	5/8	3/4	3/4	7/8	7/8	1	1
		0.312	0.375	0.375	0.5	0.625	0.75	0.75	0.875	0.875	1	1

Dimensiuni		1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4
		1.75	2	2.25	2.5	2.75	3	3.75	3.5	3.75	4
A	Max	2.625	3	3.375	3.75	4.125	4.5	4.875	5.25	5.625	6
	Min	2.597	2.97	3.344	3.317	4.09	4.464	4.837	5.211	5.584	5.958
H	Max	1.75	2	2.25	2.5	2.75	3	3.25	3.5	3.75	4
	Min	1.734	1.983	2.232	2.481	2.73	3.979	3.228	3.478	3.727	3.976
J	Nom	1 1/4	1 1/2	1 3/4	1 3/4	2	2 1/4	2 1/4	2 3/4	2 3/4	3
		1.25	1.5	1.75	1.75	2	2.25	2.25	2.75	2.75	3

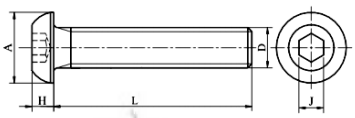
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

Standard	Lungime filet	Tip filet	Duritate
ANSI B18.3	-	UNC/ UNF	-

©SMART INVEST GOLD SRL

Surub inch cap bombat amprenta imbus
4.3 ANSI B18.3 ~ ISO 7380-1



Dimensiuni		0	1	2	3	4	5	6	8	10	1/4	5/16
		0.06	0.073	0.086	0.099	0.112	0.125	0.138	0.164	0.19	0.25	0.3125
A	Max	0.114	0.139	0.164	0.188	0.213	0.236	0.262	0.312	0.361	0.437	0.547
	Min	0.104	0.129	0.154	0.176	0.201	0.226	0.25	298	0.347	0.419	0.527
H	Max	0.032	0.039	0.046	0.052	0.059	0.066	0.073	0.087	0.101	0.132	0.166
	Min	0.026	0.033	0.036	0.044	0.051	0.018	0.063	0.077	0.091	0.122	0.152
J	Nom	-	-	-	1/16	1/16	5/64	5/64	3/32	1/8	5/32	3/16
		0.035	0.05	0.05	0.062	0.062	0.07S	0.078	0.094	0.125	0.156	0.188

Dimensiuni		3/8	1/2	5/8
		0.375	0.5	0.625
A	Max	0.656	0.875	1
	Min	0.636	0.851	0.97
H	Max	0.199	0.265	0.331
	Min	0.185	0.245	0.311
J	Nom	7/32	5/16	3/8
		0.219	0.312	0.375

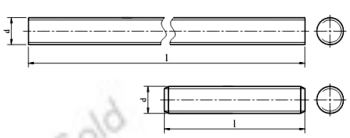
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

Standard	Lungime filet	Tip filet	Duritate
ANSI 18.3	-	-	-

© SMART INVEST GOLD SRL

Tija filetata inch
4.4 DIN 976



Dimensiuni		1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4
		0.25	0.3125	0.375	0.4375	0.5	0.625	0.75	0.875	1	1.125	1.25
TPI	UNC	20	18	16	14	13	11	10	9	8	7	7
	UNF	28	24	24	20	20	18	16	14	12	12	12
	8UN	-	-	-	-	-	-	-	-	-	8	8
Dimensiuni		**1 3/8**	**1 1/2**	**1 5/8**	**1 3/4**	**1 7/8**	**2**	**2 1/4**	**2 1/2**	**2 3/4**	**3**	**3 1/2**
		1.37	1.5	1.5438	1.75	1.875	2	2.25	2.5	2.75	3	3.5
TPI	UNC	6	6	-	5	-	4 1/2	4 1/2	4	4	4	4
	UNF	12	12	-	-	-	-	-	-	-	-	-
	8UN	8	8	8	8	8	8	8	8	8	8	8

PRODUSE INCH

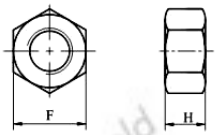
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

Standard	Lungime filet	Tip filet	Duritate
~ DIN 976	-	UNC/ UNF	Grade 8; Grade 5

©SMART INVEST GOLD SRL

Piulita hexagonala inch
4.5 ANSI 18.2.2 ~ DIN 934



Dimensiuni		1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1 1/8
		2.5	0.3125	0.375	0.4375	5	0.5625	0.625	0.75	0.875	1	1.125
F	Nom	7/16	1/2	9/16	11/16	3/4	7/8	15/16	1 1/8	1 5/16	1 1/2	1 11/16
	Max	0.438	0.5	0.562	0.688	0.75	0.875	0.938	1.125	1.312	1.5	1.688
	Min	0.428	0.489	0.551	0.675	0.736	0.861	0.922	1.088	1.269	1.45	1.631
H	Nom	7/32	17/64	21/64	3/8	7/16	31/64	35/64	41/64	3/4	55/64	31/32
	Max	2.26	0.273	0.337	0.385	0.448	0.496	0.559	0.665	0.776	0.887	0.999
	Min	0.212	2.58	0.32	0.365	0.427	0.473	0.535	0.617	0.724	0.831	0.939

Dimensiuni		1 1/4	1 3/8	1 1/2
		1.125	1.375	1.5
F	Nom	1 7/8	2 1/16	2 1/4
	Max	1.875	2.062	2.25
	Min	1.812	1.994	2.175
H	Nom	1 1/16	1 11/64	1 9/32
	Max	1.094	1.206	1.317
	Min	1.03	1.138	1.245

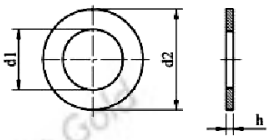
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

Standard	Lungime filet	Tip filet	Duritate
ANSI 18.2.2	-	UNC/ UNF	Grade 5

© SMART INVEST GOLD SRL

Saiba plata inch
4.6 ~ DIN 125 A-1



Dimensiuni	2.2	2.7	3.2	3.7	4.3	5.3	6.4	7.4	8.4	10.5	13	15
Thread dia.	M2	M2.5	M3	M3.5	M4	M5	M6	M7	M8	M10	M12	M14
d_1	2.2	2.7	3.2	3.7	4.3	5.3	6.4	7.4	8.4	10.5	13	15
d_2	5	6	7	8	9	10	12	14	16	20	24	28
h_{nom}	0.3	0.5	0.5	0.5	0.8	1	1.6	1.6	1.6	2	2.5	2.5
Dimensiuni	**17**	**19**	**21**	**23**	**25**	**28**	**31**	**34**	**37**	**40**	**43**	**46**
Thread dia.	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42	M45
d_1	17	19	21	23	25	28	31	34	37	40	43	46
d_2	30	34	37	39	44	50	56	60	66	72	78	85
h_{nom}	3	3	3	3	4	4	4	5	5	6	7	7
Dimensiuni	**50**	**54**	**58**	**62**	**66**	**74**	**82**	**87**	**93**	**98**	**104**	**109**
Thread dia.	M48	M52	M56	M60	M64	M72	M80	M85	M90	M95	M100	M105
d_1	50	54	58	62	66	74	82	87	93	98	104	109
d_2	92	98	105	110	115	125	140	145	160	165	175	180
d_{nom}	8	8	9	9	9	10	12	12	12	12	14	14

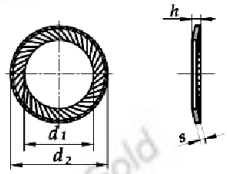
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

Standard	Lungime filet	Tip filet	Duritate
~ DIN 125 A-1	-	-	-

©SMART INVEST GOLD SRL

Saiba Schnorr inch
4.7 AN 131 S



Dimensiuni		2	2,5	3	4	5	6	6,35	7	8	10	11,1	12
Thread dia.		M2	M2.5	M3	M4	M5	M6	-	M7	M8	M10	-	M12
		-	-	1/8	5/32	3/16	-	1/4	-	5/16	3/8	7/16	-
d_1		2.2	2.7	3.2	4.3	5.3	6.4	6.7	7.4	8.4	10.5	11.6	13
d_2		4	4.8	5.5	7	9	10	9.5	12	13	16	15.9	18
h	min	0.39	0.49	0.51	0.59	0.73	0.82	0.65	0.89	0.98	1.21	1.05	1.31
	max	0.6	0.9	0.9	1	1.1	1.2	1.2	1.3	1.4	1.6	1.6	1.7
s		0.35	0.45	0.45	0.5	0.6	0.6	0.6	0.7	0.7	0.9	0.9	1.0

Dimensiuni		12,7	14	16	18	19	20	22	24	25,4	27	30	36
Thread dia.		-	M14	M16	M18	-	M20	M22	M24	-	M27	M30	M36
		1/2	-	5/8	-	3/4	-	7/8	-	1	-	1 1/8	1 3/8
d_1		13.7	15	17	19	20	21	23	25.6	27	28.6	31.6	38
d_2		19	22	24	27	30	30	33	36	38	39	45	54
h	min	1.25	1.35	1.55	1.75	1.9	1.85	1.95	2.15	2.35	2.35	2.6	3.2
	max	1.8	2.0	2.1	2.3	2.5	2.5	2.7	2.9	3.1	3.1	3.6	4.2
s		1.1	1.1	1.3	1.4	1.4	1.4	1.4	1.6	1.8	2	2	2.5

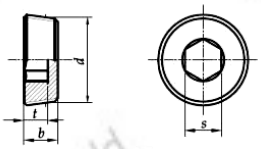
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

Standard	Lungime filet	Tip filet	Duritate
AN 131 S	-	UNC/ UNF	-

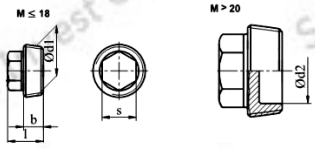
© SMART INVEST GOLD SRL

Dop filetat inch cu filet conic
4.8 ~ DIN 906



Dimeniuni	M8x1	M10x1	M12x1,5	(M14x1,5)	M16x1,5	M18X1.5	M20x1,5
b	8	8	10	10	10	10	10
t_{min}	4	4	5	5	5	5	5
s	4	5	6	7	8	8	10
Dimenisuni	**M22x1,5**	**M24x1,5**	**M26x1.5**	**M27x2**	**M30x1,5**		
B	10	12	12	12	12		
t_{min}	5	6	6	6	6		
s	10	12	12	12	17		
Dimeniuni	**R1/8**	**R1/4**	**R3/8**	**R1/2**	**R3/4**	**R1**	**R1 1/4**
B	8	10	10	10	12	12	18
t_{min}	4	5	5	5	6	6	11,5
s	5	7	8	10	12	17	22

Dop filetat inch cu filet conic
4.9 ~ DIN 909



Dimensiuni	M10x1	M12x1,5	M14x1,5	M16x1.5	M18x1.5	M20x1.5	M22x1.5
b	8	10	10	10	10	10	10
Ød	-	-	-	-	-	12	14
l	12,5	15	15	16	16	17	17
s	7	7	9	10	10	13	13
Dimensiuni	**M24x1**	**M26x1.5**	**M27x2**				
b	12	12	12				
Ød	16	16	16				
l	20	20	20				
s	17	17	17				

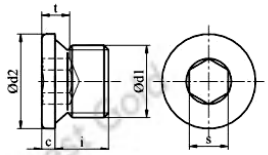
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

Standard	Lungime filet	Tip filet	Duritate
~ DIN 906	-	-	-
~ DIN 909	-	-	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Dop filetat inch cu filet cilindric
4.10 ~ DIN 908



Dimensiuni	M10x1	M12x1,5	M14x1,5	M16X1.5	M18x1.5	M20X1.5	M22x1,5	M24x1,5
c	3	3	3	3	4	4	4	4
$Ød_2$	14	17	19	21	23	25	27	29
i	8	12	12	12	12	14	14	14
S	5	6	6	8	8	10	10	12
t_{min}	5	7	7	7,5	7,5	7,5	7,5	7,5
Dimensiuni	**M26x1.5**	**M27x2**	**M30x1.5 M30x2**	**M33x2**	**M36x1,5 M36x2**	**M38x1.5**	**M39x2**	**M42x1,5 M42x2**
c	4	4	4	5	5	5	5	5
$Ød_2$	31	32	36	39	42	42	46	49
i	16	16	16	16	16	16	16	16
s	12	12	17	17	19	19	19	22
t_{min}	9	9	g	9	10,5	10,5	10,5	10,5

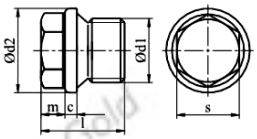
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

Standard	Lungime filet	Tip filet	Duritate
~ DIN 908	-	-	-

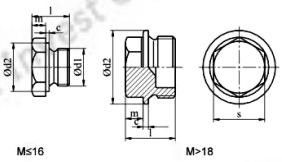
© SMART INVEST GOLD SRL

Dop filetat inch cu filet cilindric
4.11 ~ DIN 910



Dimensiuni	M10x1	M12x1.5	M16x1.5	M18x1.5	M20x1.5	M22x1.5	M24x1.5
C	3	3	3	4	4	4	4
Ød$_2$	14	17	21	23	25	27	29
l	17	21	21	24	26	26	27
m	6	6	6	8	8	8	9
s	10	13	17	17	19	19	22
Dimensiuni	**M26x1.5**	**M27x2**	**M30x1.5**	**M30x2**	**M33x2**	**M36x1.5**	**M36x2**
c	4	4	4	4	5	5	5
Ød$_2$	31	32	36	36	39	42	42
l	30	30	30	30	32	32	32
m	10	10	10	10	11	11	11
s	24	24	24	24	27	27	27

Dop filetat inch cu filet cilindric
4.12 ~ DIN 7604A



Dimensiuni	M10x1	M12x1.5	M14x1.5	M16x1.5	M18x1.5	M22x1.5	M26x1.5	M30x1.5
c	0.5	0.5	0.5	0.5	2	2	2.5	2.5
Ød2	14	17	19	21	23	27	31	36
l	10.5	15.5	15.5	15.5	17	17	19.5	19.5
m	4	6	6	6	6	6	8	8
s	14	17	19	22	17	19	22	22

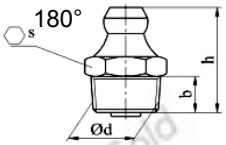
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

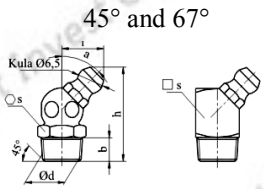
Standard	Lungime filet	Tip filet	Duritate
~ DIN 7604A	-	-	-
~ DIN 910	-	-	-

©SMART INVEST GOLD SRL

Ungator inch
4.13 ~ DIN 71412A / ~ DIN 71412B



Dimensiuni	h	b	l	s		Art. No.			
						steel, zinc plated	stainless steel A1	stainless steel A4	brass
M5x0.8	15	5.5	-	7	o	1100701	1120701	-	1110701
M6x0.75	15.0	5.5	-	7	o	1100703	1120703	-	1110703
	24.0	6.0	14	7	o	5241056	-	-	-
	29.0	8.3	19	7	o	5241059	-	-	-
M6x1.0	13.5	4.0	-	7	o	5241007	5241102	-	5241101
	15.0	5.5	-	7	o	1100704	1120704	1140704	1110704
	17.3	5.6	8.5	7	o	5241038	-	-	-
	24.0	6.0	14	7	o	5241057	-	-	-
	29	8.3	19	7	o	5241060*	-	-	-
	41.0	6.0	31	7	o	5313742	-	-	-
	15.0	5.5	-	11	o	1101104	1121104	-	-
M7x1	15.0	5.5	-	g	o	1100905	-	-	-



Dimensiuni	h	b	l	a	s		Art.No.			
							steel, zinc plated	stainless steel A1	stainless steel A4	brass
M5x0.8	23.5	5.5	10.5	45°	9	o	1200901	-	-	-
M6x0.75	20.5	5.5	10.5	45°	9	□	1204503	-	-	-
	23.5	5.5	10.5	45°	9	o	1200903	-	-	-
M6x1.0	20.5	5.5	10.5	45°	9	o	1204504	-	-	-
	23.5	5.5	10.5	45°	9	o	1209004	1220904	1240904	1210904
	17.5	5.5	12.3	67°	9	□	1404504	-	-	-
	20.5	5.5	12.2	67°	9	o	1400904	-	-	-
M7x1.0	23.5	5.5	10.5	45°	9	o	1200905	-	-	-
M8x0.75	23.5	5.5	10.5	45°	9	o	1200906	-	-	-
M8x1.0	20.5	5.5	10.5	45°	9	□	1204507	-	-	-
	23.5	5.5	10.5	45°	9	o	1200907	1220907	1240907	1210907
	17.5	5.5	12.3	67°	9	□	1404507	-	-	-
	20.5	5.5	12.2	67°	9	o	1400907	-	-	-

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

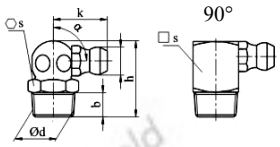
IMPORTANT!

- Exista si ball type, button head, flush type, bayonet si DIN 71412 S.

Standard	Lungime filet	Tip filet	Duritate
~ DIN 71412A	-	-	-
~ DIN 71412B	-	-	-

© SMART INVEST GOLD SRL

Ungator inch
4.14 ~ DIN 71412C



Dimensiuni	h	b	k	a	s		Art.No.			
							steel, zinc plated	stainless steel A1	stainless steel A4	brass
M5x0.8	18	5.5	13	90°	9	o	1300901	-	-	-
M6x0.75	18	5.5	14	90°	9	□	1304503	-	-	-
	18	5.5	13	90°	9	o	1300903	-	-	-
M6x1.0	18	5.5	14	90°	9	□	1304504	-	-	-
	18	5.5	13	90°	9	o	1309004	1320904	1340904	1310904
M7x1.0	18	5.5	13	90°	9	o	1300905	-	-	-
M8x0.75	18	5.5	13	90°	9	o	1300906	-	-	-
M8x1.0	18	5.5	13	90°	9	o	1300907	1320907	1340907	1310907
	18	5.5	14	90°	9	□	1304507	-	-	-
M8X1.25	18	5.5	14	90°	9	□	1304508	-	-	-
	18	5.5	13	90°	9	o	1300908	1300908	-	1310908
M10x1.0	18	5.5	15	90°	11	□	1304709	-	-	-
	20	5.5	14	90°	11	o	1301109	1321109	1341109	1311109
	42	7	15	90°	11	□	5242092	-	-	-

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

- Exista si ball type, button head, flush type, bayonet si DIN 71412 S

Standard	Lungime filet	Tip filet	Duritate
~ DIN 71412C	-	-	-

©SMART INVEST GOLD SRL

Piulita hexagonala
5.1 DIN 934 / DIN 555



DIN 934/ DIN 555 (ISO 4032; STAS 4071; UNIT 5588) -Piulita hexagonala
(Hexagon nut)

Dimensiuni		M2	M2.5	M3	(M3.5)	M4	M5
		-	-	-	-	-	-
		-	-	-	-	-	-
p		0.4	0.45	0.5	0.6	0.7	0.8
m	max=nom	1.6	2	2.4	2.8	3.2	4
	min	1.35	1.75	2.15	2.55	2.9	3.7
S nom		4	5	5.5	6	7	8
Dimensiuni		M6	(M7)	M8	M10	M12	(M14)
		-	-	M8x1	M10x1	M12x1.25	(M14x1.5)
		-	-	-	M10x1.25	M12x1.5	-
p		1	1	1.25	1.5	1.75	2
m	max=nom	5	5.5	6.5	8	10	11
	min	4.7	5.2	6.14	7.64	9.64	10.3
S nom		10	11	13	17	19	22
Dimensiuni		M16	(M18)	M20	(M22)	M24	(M27)
		M16x1.5	(M18x1.5)	M20x1.5	(M22x1.5)	M24x2	(M27x2)
		-	(M18x2)	M20x2	(M22x2)	-	-
p		2	2.5	2.5	2.5	3	3
m	max=nom	13	15	16	18	19	22
	min	12.3	14.3	14.9	16.9	17.7	20.7
S nom		24	27	30	32	36	41
Dimensiuni		M30	(M33)	M36	(M39)	M42	(M45)
		M30x2	(M33x2)	M36x3	(M39x3)	M42x3	(M45x3)
p		3.5	3.5	4	4	4.5	4.5
m	max=nom	24	26	29	31	34	36
	min	22.7	24.7	27.4	29.4	32.4	34.4
S nom		46	50	55	60	65	70
Dimensiuni		M48	(M52)	M56	(M60)	M64	(M68)
		M48x3	(M52x3)	M56x4	(M60x4)	M64x4	-
p		5	5	5.5	5.5	6	9
m	max=nom	38	45	45	48	51	54
	min	36.4	40.4	43.4	46.4	49.1	52.1
S nom		75	80	85	90	95	100
Dimensiuni		M72	(M76)	M80	(M85)	M90	M100
		-	-	-	-	-	-
p		6	6	6	6	6	6
m	max=nom	58	61	64	68	72	80
	min	56.1	59.1	62.1	66.1	70.1	78.1
S nom		105	110	115	120	130	145

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

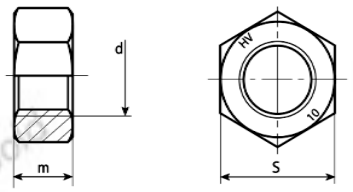
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
934 / 555	Dreapta si stanga	5.; 6.; 8.; 10.; 12.	Natur; Zincat; Zincat galben; Zincat termic(HDG); Aluminiu; Alama	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Piulita de inalta rezistenta
5.2 EN 14399-4 sau EN 14399-5 / DIN 6915

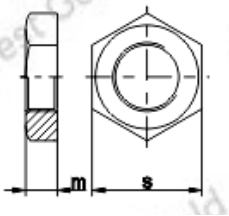




DIN 6915 (ISO 7414; UNIT 7413)
Piulita de inalta rezistenta
(Hexagon nut for high strength)

Dimensiuni	M12	M16	M20	M22
m	10	13	16	18
s	22	27	32	36
Dimensiuni	**M24**	**M27**	**M30**	**M36**
m	20	22	24	29
s	41	46	50	60

Piulita pentru tevi
5.3 DIN 431





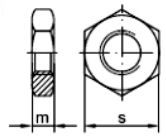
DIN 431 -Piuliță pentru tevi
(Pipe nut)

Dimensiuni	G1/8	G1/4	G3/8	G	G
m	6.48	6.48	7.58	5.58	9.58
s	18	21	27	34	36
Dimensiuni	**G1**	**G1**	**G1**	**G1**	**G2**
m	10.58	11.7 55	12.7	13.7	13.7
s	46	55	60	70	75

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6915	Dreapta	10.	Natur; Zincat termic(HDG)	-
431	Dreapta	-	Natur; Zincat; Alama	INOX A4

©SMART INVEST GOLD SRL

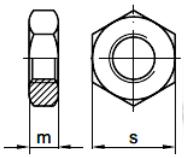
Piulita hexagonala joasa
5.4 DIN 439 / DIN 936





DIN 439 (ISO 8675; UNIT 5589)
Piulita hexagonala joasa
(Hexagon thin nut)

Dimensiuni		M2	M2.5	M3	(M3.5)	M4	M5	M6
p		0.4	0.45	0.5	0.6	0.7	0.8	1
m	max=nom	1.2	16	1.8	2	2.2	2.7	3.2
	min	0.95	1.35	1.55	1.75	1.95	2.45	2.9
S nom		4	5	5.5	6	7	8	10
Dimensiuni		M8	M10	M12	M14	M16	(M18)	M20
		M8x1	M10x1.25	M12x1.5	(M14x1.5)	M16x1.5	(M18x1.5)	M20x2
		-	M10x1	M12x1.5	-	-	(M18x2)	-
p		1.25	1.5	1.75	2	2	2.5	2.5
m	max=nom	4	5	6	7	8	9	10
	min	3.7	4.7	5.7	6.42	7.42	8.42	9.1
S nom		13	17*	19*	22*	24	27	30
Dimensiuni		(M22)	M24	(M27)	M30	(M33)	M36	(M39)
		(M22x1.5)	M24x2	(M27x2)	M30x2	(M33x2)	M36x3	(M39x3)
		(M22x2)	(M24x1.5)	(M27x1.5)	M30x1.5	(M33x1.5)	M36x2	(M39x2)
		-	-	-	-	-	M36x1.5	(M39x1.5)
p		2.5	3	3	3.5	3.5	4	4
m	max=nom	11	12	13.5	15	16.5	18	19.5
	min	9.9	10.9	12.4	13.9	15.4	16.9	18.2
S nom		32*	36	41	46	50	55	60
Dimensiuni		M24	(M45)	M48	(M52)			
		M42x3	(M45x3)	M48x3	(M52x3)			
		M42x2	(M45x2)	M48x2	(M52x2)			
		M42x1.5	(M45x1.5)	M48x1.5	(M52x1.5)			
p		4.5	4.5	5	5			
m	max=nom	21	22.5	24	26			
	min	19.7	21.2	22.7	24.7			
S nom		65	70	75	80			





DIN 936 -Piulita joasa
(Self locking counter nut)

Dimensiuni	M8	M10	M12	(M14)	M16	(M18)	M20	(M22)	M24
	M8x1	M10x1	M12x1.25	(M14x1.5)	M16x1.5	(M18x1.5)	M20x1.5	(M22x1.5)	M24x2
	-	M10x1.25	M12x1.5	-	-	(M18x2)	M20x2	(M22x2)	(M24x1.5)
m	5	6	7	8	8	9	9	10	10
s	13	17	19	22	24	27	30	32	36
Dimensiuni	(M27)	M30	(M33)	M36	(M39)	M42	(M45)	M48	(M52)
	(M27x2)	M30x2	(M33x2)	M36x3	(M39x3)	M42x3	(M45x3)	M48x3	(M52x3)
	(M27x1.5)	M30x1.5	(M33x1.5)	M36x2	(M39x2)	M42x2	(M45x2)	M48x2	(M52x2)
	-	-	-	M36x1.5	(M39x1.5)	M42x1.5	(M45x1.5)	M48x1.5	(M52x1.5)
m	12	12	14	14	16	16	18	18	20
s	41	46	50	55	60	65	70	75	80

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

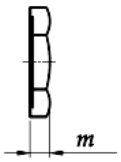
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305
- DIN 439 este similar cu DIN 936

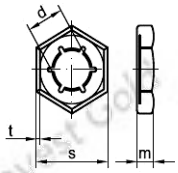
DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
439	Dreapta si stanga	4.; 10.	Natur; Zincat; Zincat galben; Zincat termic(HDG); Alama	INOX A2; INOX A4
936	Dreapta si stanga	4.; 10.	Natur; Zincat; Alama	INOX A2; INOX A4

© SMART INVEST GOLD SRL

Contra piulita (Piulita cu autoblocare)
5.5 DIN 7967









DIN 7967 -Piulita cu autoblocare
(Self locking counter nut)

Dimensiuni	series I	M4	M5	M6	M8x1	M10	M12	M14
	series 2	-	-	-	M8x1	M10x1.25	M12x1.5	M14x1.5
	series 3	-	-	-	-	M10x1	M12x1.25	-
m		2.5	2.5	3	3.5	4	4.5	5
s H13		7	8	10	13	17	19	22
t	series I	0.3	0.4	0.4	0.5	0.5	0.6	0.6
	series 2	-	-	-	0.4	0.5	0.6	0.6
	series 3	-	-	-	-	0.5	0.6	-
e ≈		8.1		11.5	15	19.6	21.9	25.4
u		2.5	25	3	3.5	4	4.5	5
v		5.7	6.5	a	10	12	14.5	16
Dimensiuni	series I	M16	M18	M20	M22	M24	M27	M30
	series 2	M16x1.5	M18x2	M20x2	M22x2	M24x2	M27x2	M30x2
	series 3	-	M18x1.5	M20x1.5	M22x1.5	M24x1.5	-	-
m		5	5.5	6	6	7	7	8
s H13		24	27	30	32	36	41	46
t	series I	0.7	0.7	0.8	0.8	0.9	1	1.1
	series 2	0.7	0.7	0.8	0.8	0.9	1	1
	series 3	-	0.7	0.7	0.7	0.7	-	-
e ≈		27.7	31.2	34.6	36.9	41.6	47.3	53.1
u		5	5.5	6	6	7	7	8
v		18	20.5	22	24	26	29	32
Dimensiuni	series I	M33	M36	M39	M42	M45	M48	M52
	series 2	M33x2	M36x3	M39x3	M42x3	M45x3	M48x3	M52x3
	series 3	-	-	-	-	-	-	-
m		8	9	9	11	12	14	16
s H13		50	55	60	65	70	75	80
t	series I	1.2	1.3	1.3	1.4	1.5	1.6	1.7
	series 2	1	1.3	1.3	1.4	1.5	1.5	1.5
	series 3	-	-	-	-	-	-	-
e ≈		57.7	63.5	69.3	75	80.8	86.5	92.4
u		8	9	9	11	12	14	16
v		34	38	40	45	48	52	58

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

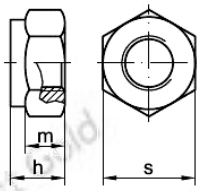
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7967		-	Natur; Zincat; Zincat termic (HDG)	INOX A4

©SMART INVEST GOLD SRL

Piulita hexagonala autoblocare
5.6 DIN 985





DIN 985 (ISO 10511; STAS 9895; UNIT 5587)
Piulita hexagonala autoblocare insertie de plastic
(Prevailing torque type hexagon nut)

Dimensiuni		M3	M4	M5	M6	M7	M8	M10	M12
		-	-	-	-	-	M8x1	M10x1	M12x1.5
		-	-	-	-	-	-	M10x1.25	M12x1.25
p		0.5	0.7	0.8	1	1	1.25	1.5	1.75
m min		2.4	2.9	3.2	4	4.7	5.5	6.5	8
h	max=nom	4	5	5	6	7.5	8	10	12
	min	3.7	4.7	4.7	5.7	7.14	7.64	9.64	11.57
s nom		5.5	7	8	10	11	13	17	19
Dimensiuni		**M14**	**M16**	**M18**	**M20**	**M22**	**M24**	**M27**	**M30**
		M14x1.5	**M16x1.5**	**M18x2**	**M20x2**	**M22x2**	**M24x2**	**M27x2**	**M30x2**
		-	-	**M18x1.5**	**M20x1.5**	**M22x1.5**	-	-	-
p		2	2	2.5	2.5	2.5	3	3	3.5
m min		9.5	10.5	13	14	15	15	17	19
h	max=nom	14	16	18.5	20	22	24	27	30
	min	13.3	15.3	17.66	18.7	20.7	22.7	25.7	28.7
s nom		22	24	27	30	32	36	41	46
Dimensiuni		**M33**	**M36**	**M39**	**M42**	**M45**	**M48**		
		M33x2	**M36x3**	**M39x3**	**M42x3**	**M45x3**	**M48x3**		
p		3.5	4	4	4.5	4.5	5		
m min		22	25	27	29	32	36		
h	max=nom	33	36	39	42	45	48		
	min	31.4	34.4	37.4	40.4	43.4	46.4		
s nom		50	55	60	64	70	75		

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
985	Dreapta	8.; 10.	Natur; Zincat; Zincat galben; Zincat termic(HDG) Alama	INOX A2; INOX A4

© SMART INVEST GOLD SRL

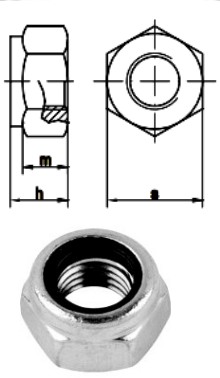
Piulita hexagonala inalta cu autoblocare
5.7 DIN 982



DIN 982 (ISO 7040; STAS 9851; UNIT 5587)
Piulita hexagonala inalta cu autoblocare
si insertie naylon
(Prevailing high torque type hexagon nut)

Dimensiuni		M5	M6	M7	M8	M10	M12
		-	-	-	M8x1	M10x1	M12x1.5
		-	-	-	-	M10x1.25	M12x1.25
p		0.8	1	1	1.25	1.5	1.75
m min		4.4	4.9	6.14	6.44	8.04	10.37
h	max=nom	6.3	8	8.5	9.5	11.5	14
	min	6	7.7	8.2	9.14	11.14	13.64
s nom		8	10	11	13	17	19
Dimensiuni		**M14**	**M16**	**M18**	**M20**	**M22**	**M24**
		M14x1.5	M16x1.5	M18x2	M20x2	M22x2	M24x2
		-	-	M18x1.5	M20x1.5	M22x1.5	-
p		2	2	2.5	2.5	2.5	3
m min		12.1	14.1	15.1	16.9	18.1	20.2
h	max=nom	16	18	20	22	25	28
	min	15.3	17.3	19.16	20.7	23.7	26.7
s nom		22	24	27	30	32	36

Piulita hexagonala inalta cu autoblocare
5.8 DIN 6924



DIN 6924(ISO 10513; STAS 9851)
Piulita hexagonala cu autoblocare
si insertie naylon
(Prevailing torque type hexagon nut)

Dimensiuni	M3	M4	M5	M6	M8	M10
h ISO/DIN	4.5	6	6.8/6.3	8	9.5	11.9/11.5
m min.	2.15	2.9	4.4	4.9	6.44	8.04
s ISO/DIN	5.5	7	8	10	13	16/17
Dimensiuni	**M12**	**M14**	**M16**	**M20**	**M24**	
h ISO/DIN	14.9/14	17/16	19.1/18	22.8/22	27.1/28	
m min.	10.37	12.1	14.1	16.9	20.2	
s ISO/DIN	18/19	21/22	21/22	30	36	

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

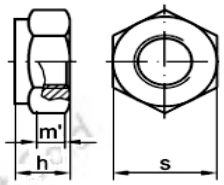
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
982	Dreapta	8.; 10.	Natur; Zincat	INOX A2; INOX A4
6924	Dreapta	8.; 10.	Natur; Zincat	INOX A2; INOX A4

©SMART INVEST GOLD SRL

Piulita hexagonala cu autoblocare si insertie metalica
5.9 DIN 980V ; DIN 980M





DIN 980 M -Piulita hexagonala cu autoblocare si insertie metalica (Self locking hex nut) Forma M



DIN 980V (ISO 7042)
Piulita hexagonala cu autoblocare si insertie metalica
(Self locking hex nut) Forma V

Dimensiuni		M3	M4	M5	M6	M7	M8	M10
		-	-	-	-	-	M8x1	M10x1
		-	-	-	-	-	-	M10x1.25
p		0.5	0.7	0.8	1	1	1.25	1.5
h	max=nom	3.7	4.2	5.1	6	7	8	10
	min	3.4	3.9	4.8	5.7	6.5	7.5	9
s nom		5.5	7	8	10	11	13	17
Dimensiuni		**M12**	**M14**	**M16**	**M18**	**M20**	**M22**	**M24**
		M12x1.25	M14x1.5	M16x1.5	M18x1.5	M20x1.5	M22x1.5	M24x2
		M12x1.5	-	-	M18x2	M20x2	M22x2	-
p		1.75	2	2	2.5	2.5	2.5	3
h	max=nom	12	14	16	18	20	22	24
	min	11	12	14	16	18	20	22
s nom		19	22	24	27	30	32	36
Dimensiuni		**M27**	**M30**	**M33**	**M36**	**M39**		
		M27x2	M30x2	M33x2	M36x3	M39x3		
p		3	3.5	3.5	4	4		
h	max=nom	27	30	33	36	39		
	min	25	28	31	34	37		
s nom		41	46	50	55	60		

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

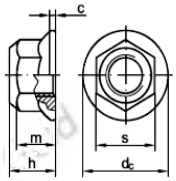
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
980V ; 980M	Dreapta	8.; 10.	Natur; Zincat; Zincat termic (HDG)	INOX A2; INOX A4

© SMART INVEST GOLD SRL

Piulita cu autoblocare si flansa/ Piulita hexagonala cu flansa si insertie de plastic/ 5.10 DIN 6926 / DIN 6927





DIN 6927 (EN 1663)
Piulita hexagonala cu flansa si insertie de plastic
(Prevailing torque type hexagonal nut with flange)



DIN 6926 (EN 1664)
Piulita cu autoblocare si flansa
(Self locking hexagonal nut with flange)

Dimensiuni		M5	M6	M8	M10	M12	(M14)	M16	M20
		-	-	M8x1	M10x1.25	M12x1.5	(M14x1.5)	M16x1.5	M20x1.5
		-	-	-	(M10x1)	M12x1.25	-	-	-
p		0.8	1	1.25	1.5	1.75	2	2	2.5
h	max (6926)	7.1	9.1	11.1	13.5	16.1	18.2	20.3	24.8
	min (6926)	6.74	8.74	10.67	13.07	15.67	17.68	19.46	23.96
	max (6927)	6.2	7.3	9.4	11.4	13.8	15.9	18.3	22.4
m_{min}		4.7	5.7	7.6	9.6	11.6	13.3	15.3	18.9
d_c		11.8	14.2	17.9	21.8	26	29.9	34.5	42.8
s nom		8	10	13	15	18	21	24	30

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

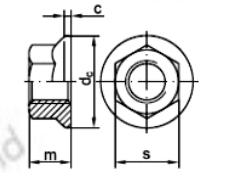
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6926 / 6927	Dreapta	8.	Zincat	INOX A2; INOX A4

©SMART INVEST GOLD SRL

Piulita hexagonala cu flansa cu seratii/ fara seratii
5.11 DIN 6923





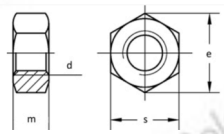
DIN 6923 (ISO 1661)
Piulita hexagonala cu flansa fara seratii
(Hexagon nut without flange)



DIN 6923 (ISO 1661)
Piulita hexagonala cu flansa si seratii
(Hexagon nut with flange)

Dimensiuni		M4*	M5	M6	M8	M10
		-	-	-	M8x1	M10x1.25
		-	-	-	-	(M10x1)
p		0.7	0.8	1	1.25	1.5
d_{cmax}		10	11.8	14.2	17.9	21.8
m	max	4.5	5	6	8	10
	min	4.2	4.7	5.7	7.6	9.6
S_{nom}		7	8	10	13	15
Dimensiuni		**M12**	**M14**	**M16**	**M20**	**M24***
		M12x1.5	M14x1.5	M16x1.5	M20x1.5	-
		(M12x1.25)	-	-	-	-
p		1.75	2	2	2.5	3
d_{cmax}		26	29.9	34.5	42.8	51
m	max	12	14	16	20	22.9
	min	11.6	13.3	15.3	18.9	24
S_{nom}		18	21	24	30	36

Piulita hexagonala pas fin
5.12 DIN 971-1 / DIN 971-2





DIN 971-1 / DIN 971-2
Piulita hexagonala pas fin
(Hexagonut with fine thread)

Dimensiuni	M8x1	M10x1 M10x1.25	M12x1.5 M12x1.25	M14x1.5	M16x1.5	M18x1.5 M18x2	M20x2 M20x1.5
e(min)	14.38	17.77	20.03	23.36	26.75	29.56	32.95
M 971-1	6.8	8.4	10.8	12.8	14.8	15.8	18
M 971-2	7.5	9.3	12	14.1	16.4	17.6	20.3
s	13	16	18	21	24	27	30
Dimensiuni	**M22x1.5 M22x2**	**M24x2**	**M27x2**	**M30x2**	**M33x2**	**M36x3**	**M39x3**
e(min)	37.29	39.55	45.2	50.85	55.37	60.79	66.44
M 971-1	19.4	21.5	23.8	25.6	28.7	31	33.4
M 971-2	21.8	23.9	26.7	28.6	32.5	34.7	37.5
s	34	36	41	46	50	55	60

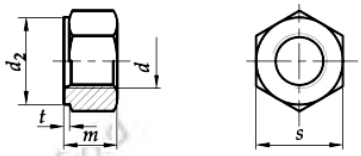
Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6923 / 971	Dreapta	8.	Natur; Zincat	INOX A2; INOX A4

© SMART INVEST GOLD SRL

Piulita hexagonala pentru prezoane
5.13 DIN 2510-NF

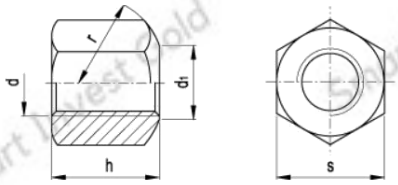




DIN 2510-NF -Piulita hexagonala pentru Prezoane
(Hexagon nut for stud bolts)

Dimensiuni	M12	M16	M20	M24	M27	M30
d_2	21	26	31	35	40	45
m	12	16	20	24	27	30
s	22	27	32	36	41	46
t	2	2	2	3	3	3
Dimensiuni	**M33**	**M36**	**M39**	**M42**	**M46**	**M48**
d_2	49	53.5	58.5	63.5	68.5	73.5
m	33	36	39	42	45	46
s	50	55	60	65	70	75
t	3	3	3	3	3	4

Piulita hexagonala inalta
5.14 DIN 6330





DIN 6330 -Piulita hexagonala inalta
(Hexagon high nut)

Dimensiuni	M6	M8	M10	M12	M14	M16
d_1	7	9	11.5	14	16	18
m	9	12	15	18	21	24
SRr.	9	11	15	17	20	22
s	10	13	16	18	22	24
Dimensiuni	**M18**	**M20**	**M22**	**M24**	**M27**	**M30**
d_1	20	22	25	26	29	32
m	27	30	33	36	40	45
SRr.	25	27	29	32	37	41
s	27	30	32	36	41	46

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

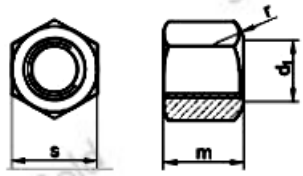
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305
- La DIN 2510-NF H=D

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
2510-NF	Dreapta	-	Natur	-
6330	Dreapta	10.	Natur; Zincat	INOX A4

©SMART INVEST GOLD SRL

Piulita hexagonala cu guler
5.15 DIN 6331

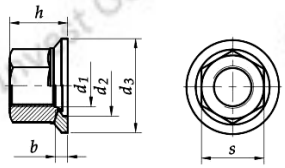




DIN 6331 (STAS 4412)
Piulita hexagonala cu guler
(Hexagon high nut with flange)

Dimensiuni		M6	M8	M10	M12	M14*	M16	M18*
		-	-	-	M12x1.5	M14x1.5	M16x1.5	M18x1.5
a js14		3	3.5	4	4	4.5	5	5
d_1 h13		14	18	22	25	28	31	34
m js15		9	12	15	18	21	24	27
s	h13	10	13	16	18	22	24	27
	h14	-	-	-	-	-	-	-
Dimensiuni		**M20**	**M24**	**M27***	**M30**	**M36**	**M42**	**M48**
		M20x1.5	M24x1.5	-	-	-	-	-
a js14		6	6	7	8	10	12	14
d_1 h13		37	45	50	58	68	80	92
m js15		30	36	40	45	54	63	72
s	h13	30	-	-	-	-	-	-
	h14	-	36	41	46	55	65	75

Piulita pentru roata
5.16 DIN 74361H





DIN 74361H -Piulita pentru roata
(Wheel nut with washer)

Dimensiuni	M18x1.5	M20x1.5	M22x1.5
d_2 +0.5 0	25.5	28	30
d_3 -0.5 0	40	45	46
h max	25	27	27
b min	4.5	4.5	4.5
S	27	30	32

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

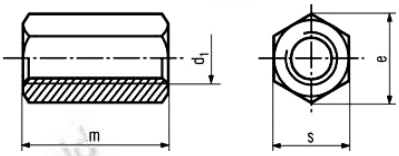
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

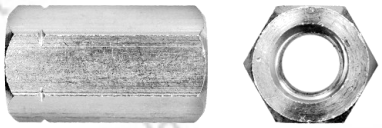
DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6331	Dreapta	10.	Natur; Zincat	INOX A4
74361H	Dreapta	10.	Zincat termic(HDG)	-

© SMART INVEST GOLD SRL

Piulita de cuplare
5.17 DIN 6334

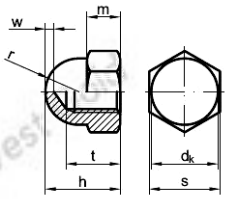


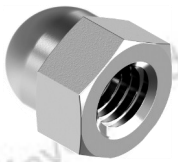
Dimensiuni	M6	M8	M10	M12	M16	M20	M24
m	18	24	30	36	48	60	72
e	11.05	14.38	18.9	21.1	26.75	33.53	41.6
s	10	13	17	19	24	30	36



DIN 6334 -Piulita de cuplare
(Hexagon long nut)

Piulita infundata inalta
5.18 DIN 1587





DIN 1587 (UNIT 5721)
Piulita infundata inalta
(Hexagon domed cap nut)

Dimensiuni		M3	M4	M5	M6	M8	M10	M12
		-	-	-	-	M8x1	M10x1	M12x1.25
		-	-	-	-	-	M10x1.25	M12x1.5
p		0.5	0.7	0.8	1	1.25	1.5	1.75
m	max	2.6	3.2	4	5	6.5	8	10
	min	2.4	2.9	3.7	4.7	6.14	7.64	9.64
h	max=nom	6	8	10	12	15	18	22
	min	5.5	7.42	9.42	11.3	14.3	17.3	21.16
w_{min}		-	2	2	2	2	2	3
s_{nom}		5.5	7	8	10	13	17	19
Dimensiuni		(M14)	M16	(M18)	M20	(M22)	M24	M30
		(M14x1.5)	M16x1.5	(M18x1.5)	M20x1.5	(M22x1.5)	M24x2	-
		-	-	(M18x2)	M20x2	(M22x2)	-	-
p		2	2	2.5	2.5	2.5	3	3.5
m	max	11	13	15	16	18	19	25
	min	10.3	12.3	14.3	14.9	16.9	17.7	24.48
h	max=nom	25	28	32	34	39	42	50
	min	24.16	27.16	31	33	38	41	49.38
w_{min}		4	4	5	5	5	6	-
s_{nom}		22	24	27	30	34	36	46

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

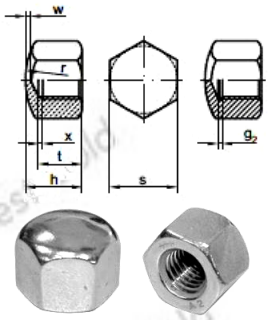
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6334	Dreapta	10.	Natur; Zincat	INOX A2
1587	Dreapta	6.	Natur; Zincat; Alama; Poliamida	INOX A2; INOX A4

©SMART INVEST GOLD SRL

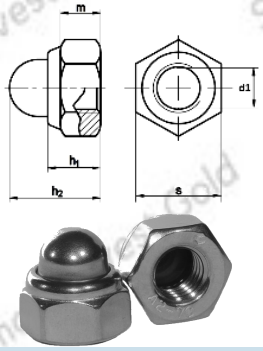
Piulita infundata
5.19 DIN 917



DIN 917 (STAS 4374)
Piulita infundata (Hexagon cup nut)

Dimensiuni	M4	M5	M6	M8	M10	M12	M14	M16
X / g_2	1.05	1.2	1.5	1.87	2.25	6.4	7.3	7.3
h	5.5	7.0	9.0	12.0	14.0	16.0	18.0	20.0
r	6	10	12	15	20	25	28	30
DIN / ISO	7	8	10	13	17/16	19/18	22/21	24
t	4.16	4.96	6.71	9.21	10.65	13.15	14.65	16.65
W	1	1	1.5	2	2	2	2	2
Dimensiuni	**M18**	**M20**	**M22**	**M24**	**M30**	**M36**	**M42**	
X / g_2	9.3	9.3	9.3	10.7	12.7	14	16	
h	22.0	25.0	28.0	30.0	34.0	44.0	52	
r	32	35	35	40	60	70	60	
s	27	30	32/34	36	46	55	65	
t	18.58	20.58	21.58	23.58	27.58	35.50	41.50	
w	2	2.5	3	3	3	4	4	

Piulita hexagonala infundata cu autoblocare
5.20 DIN 986



DIN 986 -Piuliță hexagonală infundata cu autoblocare
(Hexagon cup lock nut)

Dimensiuni	M4	M5	M6	M8	M10	M12	M16
h_1	5.6	6	7.5	8.9	10.5	13.5	16.5
h_2	9.6	10.5	12	14	18.1	22.5	27.5
m	2.9	4.4	4.9	6.44	8.04	10.37	14.1
s	7	8	10	13	17	19	24

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

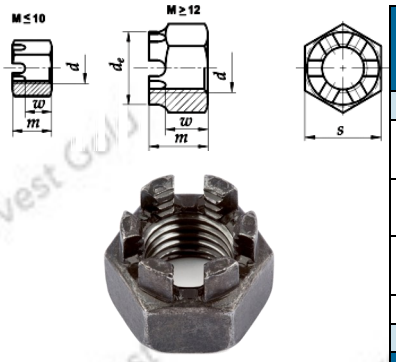
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
917	Dreapta	6.	Natur; Zincat; Alama	INOX A2; INOX A4
986	Dreapta	-	Natur; Zincat; Alama	INOX A2

© SMART INVEST GOLD SRL

Piulita crenelata
5.21 DIN 935



DIN 935 (ISO 7035; STAT 4073; UNI 5593)
Piulita crenelata
(Hexagon slotted and castle nut)

Dimensiuni		M4	M5	M6	M8	M10	M12	(M14)
		-	-	-	M8x1	M10x1	M12x1.25	(M14x1.5)
		-	-	-	-	M10x1.25	M12x1.5	-
p		0.7	0.8	1	1.25	1.5	1.75	2
m	max=nom	5	6	7.5	9.5	12	15	16
	min	4.7	5.7	7.14	9.14	11.57	14.57	15.57
w	min	2.9	3.7	4.7	6.14	7.64	9.64	10.57
	max	3.2	4	5	6.5	8	10	11
d_e	max	-	-	-	-	-	17	19
	min	-	-	-	-	-	16.57	18.48
s_{nom}		7	8	10	13	17*	19*/18**	22
Split pin DIN 94		1x10	1.2x12	1.6x14	2x16	2.5x20	3.2x22	3.5x25

Dimensiuni		M16	(M18)	M20	(M22)	M24	(M27)	M30
		M16x1.5	(M18x1.5)	M20x1.5	(M22x1.5)	M24x2	(M27x2)	M30x2
		-	(M18x2)	M20x2	(M22x2)	-	-	-
p		2	2.5	2.5	2.5	3	3	3.5
m	max=nom	19	21	22	26	27	30	33
	min	18.48	20.16	21.16	25.16	26.16	29.16	32
w	min	12.57	14.57	15.57	17.57	18.48	21.48	23.48
	max	13	15	16	18	19	22	24
d_e	max	22	25	28	32	34	38	42
	min	21.48	24.3	27.3	31	33	37	41
s_{nom}		24	27	30	32*	36	41	46
Split pin DIN 94		4x28	4x32	4x36	5x36	5x40	5x45	6.3x50

Dimensiuni		(M33)	M36	(M39)	M42	(M45)	M48	
		(M33x2)	M36x3	(M39x3)	M42x3	(M45x3)	M48x3	
		-	-	-	-	-	-	
p		3.5	4	4	4.5	4.5	5	
m	max=nom	35	38	40	46	48	50	
	min	34	37	38	45	47	49	
w	min	25.48	28.48	30.28	33.38	35.38	37.38	
	max	26	29	31	34	36	38	
d_e	max	46	50	55	58	62	65	
	min	45	49	53.8	56.8	60.8	63.8	
s_{nom}		50	55	60	65	70	75	
Split pin DIN 94		6.3x56	6.3x63	6.3x71	8x71	8x80	8x80	

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

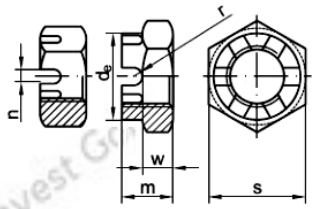
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
935	Dreapta	6.; 8.; 10.	Natur; Zincat	INOX A2; INOX A4

©SMART INVEST GOLD SRL

Piulita crenelata joasa
5.22 DIN 937





DIN 937 (ISO 7038; STAS 4074)
Piulita crenelata joasa
(Hexagon thin slotted and castle nut)

Dimensiuni		M6	(M7)	M8	M10	M12	(M14)	M16
		-	-	M8x1	M10x1	M12x1.25	(M14x1.5)	M16x1.5
		-	-	-	M10x1.25	M12x1.5	-	-
p		1	1	1.25	1.5	1.75	2	2
m	max=nom	6	7	8	9	10	11	12
	min	5.7	6.64	7.64	8.64	9.64	10.57	11.57
w	min	3.2	3.7	4.2	4.7	5.7	6.64	6.64
	max	3.5	4	4.5	5	6	7	7
d_e	max	-	-	-	-	17	19	22
	min	-	-	-	-	16.57	18.48	21.48
s_{nom}		10	11	13	17*	19*	22	24
Split pin DIN 94		1.6x14	1.6x14	2x16	2.5x20	3.2x22	3.2x25	4x28
Dimensiuni		**(M18)**	**M20**	**(M22)**	**M24**	**(M27)**	**M30**	**(M33)**
		(M18x1.5)	**M20x1.5**	**(M22x1.5)**	**M24x2**	**(M27x2)**	**M30x2**	**(M33x2)**
		(M18x2)	**M20x2**	**(M22x2)**	**-**	**-**	**-**	**-**
p		2.5	2.5	2.5	3	3	3.5	3.5
m	max=nom	13	13	15	15	17	18	20
	min	12.3	12.3	14.3	14.3	16.3	17.3	19.16
w	min	7.4	7.64	8.64	8.64	10.57	10.57	12.57
	max	8	8	9	9	11	11	13
d_e	max	25	28	30	34	38	42	46
	min	24.3	27.3	29.3	33	37	41	45
s_{nom}		27	30	32*	36	41	46	50
Split pin DIN 94		4x32	4x36	5x36	5x40	5x45	6.3x50	6x3x56
Dimensiuni		**M36**	**(M39)**	**M42**	**(M45)**	**M48**	**(M52)**	
		M38x3	**(M39x3)**	**M42x3**	**(M45x3)**	**M48x3**	**(M52x3)**	
p		4	5	4.5	4.5	5	5	
m	max=nom	20	22	23	25	25	27	
	min	19.16	21.16	22.16	24.16	24.16	26.16	
w	min	12.57	12.57	13.57	15.57	15.57	17.57	
	max	13	13	14	16	16	18	
d_e	max	50	55	58	62	65	70	
	min	49	53.8	56.8	60.8	63.8	68.8	
s_{nom}		55	60	65	70	75	80	
Split pin DIN 94		6.3x63	6.3x71	8x71	8x80	8x80	8x90	

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

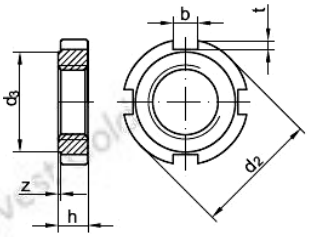
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
937	Dreapta	-	Natur	-

© SMART INVEST GOLD SRL

Piulita canelata/cu caneluri
5.23 DIN 1804





DIN 1804 -Piulita canelata
(Slotted round nut with grooves)

Dimensiuni	M8x1	M10x1	M12x1.5	M14x1.5	M16x1.5	M18x1.5	M20x1.5	M22x1.5
d2	20	25	28	30	32	34	36	40
d3	16	20	23	25	27	28	30	34
b	4	5	5	5	5	6	6	6
h	5	6	6	7	7	8	8	9
t	1.5	2	2	2	2	2.5	2.5	2.5
z	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
qty. slots	4	4	4	4	4	4	4	4
Dimensiuni	**M24x1.5**	**M26x1.5**	**M28x1.53**	**M30x1.5**	**M32x1.5**	**M35x1.5**	**M38x1.5**	**M40x1.5**
d2	42	45	50	50	52	55	58	62
d3	36	3B	43	43	45	48	50	54
b	6	7	7	7	7	7	8	8
h	9	10	10	10	11	11	11	12
t	2.5	3	3	3	3	3	3.5	3.5
z	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
qty. slots	4	4	4	4	4	4	4	4
Dimensiuni	**M42x1.5**	**45x1.5**	**M48x1.5**	**M50x1.5**	**M52x1.5**	**M55x1.5**	**M58x1.5**	**M60x1.5**
d2	62	68	75	75	80	80	90	90
d3	54	60	67	67	70	70	80	80
b	8	8	8	8	10	10	10	10
h	12	12	13	13	13	13	13	13
t	3.5	3.5	3.5	3.5	4	4	4	4
z	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
qty. slots	4	6	6	6	6	6	6	6
Dimensiuni	**M62x1.5**	**M65x1.5**	**M68x1.5**	**M70x1.5**	**M72x1.5**	**M75x1.5**	**M80x2**	**M85x2**
d2	95	95	100	100	110	110	115	120
d3	85	85	90	90	100	100	105	110
b	10	10	10	10	10	10	10	10
h	14	14	14	14	14	14	16	16
t	4	4	4	4	4	4	4	4
z	0.5	0.5	0.5	0.5	0.5	0.5	1	1
qty. slots	6	6	6	6	6	6	6	6
Dimensiuni	**M90x2**	**M95x2**	**M100x2**	**M110x2**	**M120x2**			
d2	130	135	145	155	165			
d3	120	120	130	140	150			
b	10	12	12	12	12			
h	16	16	16	16	18			
t	4	5	5	5	5			
z	1	1	1	1	1			
qty. slots	6	6	6	6	6			

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

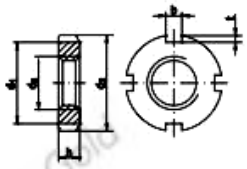
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
1804	Dreapta	-	Natur	INOX A2

©SMART INVEST GOLD SRL

Piulita crenelata antifrecare
5.24 DIN 981





DIN 981 -Piulita crenelata antifrecare
(Locknuts for rolling bearings)

Dimensiuni	KM0	KM1	KM2	KM3	KM4	KM5	KM6
d_1	M 10x0.75	M 12x1	M 15X1	M 17x1	M 20x1	M 25x1.5	M 30
d_2	18	22	25	28	32	38	45
d_3	13.5	17	21	24	26	32	38
h	4	4	5	5	6	7	7
b	3	3	4	4	4	5	5
t	2	2	2	2	2	2	2
lockwasher*	MB 0	MB 1	MB 2	MB 3	MB 4	MB 5	MB 7
Dimensiuni	**KM7**	**KM8**	**KM9**	**KM10**	**KM11**	**KM12**	**KM13**
d_1	M 35x1.5	M 40x1.5	M 45x1.5	M 50x1.5	M 55x2	M 60x2	M 65x2
d_2	52	58	65	70	75	80	85
d_3	44	50	56	61	67	73	79
h	8	9	10	11	11	11	12
b	5	6	6	6	7	7	7
t	2	2.5	2.5	2.5	3	3	3
lockwasher*	MB 7	MB 8	MB 9	MB 10	MB 11	MB 12	MB 13
Dimensiuni	**KM14**	**KM15**	**KM16**	**KM17**	**KM18**	**KM19**	**KM20**
d_1	M 70x2	M 75x2	M 80x2	M 85x2	M 90x2	M 95x2	M 100x2
d_2	92	98	105	110	120	125	130
d_3	85	90	95	102	108	113	120
h	12	13	15	15	16	17	18
b	8	8	8	8	10	10	10
t	3.5	3.5	3.5	3.5	4	4	4
lockwasher*	MB 14	MB 15	MB 16	MB 17	MB 18	MB 19	MB 20
Dimensiuni	**KM21**	**KM22**	**KM23**	**KM24**	**KM25**	**KM26**	**KM27**
d_1	M 105x2	M 110x2	M 115x2	M 120x2	M 125x2	M 130x2	M 135x2
d_2	140	145	150	155	160	165	175
d_3	126	133	137	138	148	149	160
h	18	19	19	20	21	21	22
b	12	12	12	12	12	12	14
t	5	5	5	5	5	5	6
lockwasher*	MB 21	MB 22	MB 23	MB 24	MB 25	MB 26	MB 27
Dimensiuni	**KM28**	**KM29**	**KM30**	**KM31**	**KM32**	**KM34**	
d_1	M 140x2	M 145x2	M 150x2	M155x3	M 160x3	M165x3	
d_2	180	190	195	200	210	210	
d_3	160	171	171	182	182	193	
h	22	24	24	25	25	26	
b	14	14	14	16	16	16	
t	6	6	6	7	7	7	
lockwasher*	MB 28	MB 29	MB 30	MB 31	MB 32	MB 33	

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

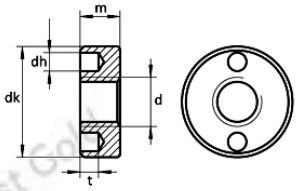
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
981	Dreapta	-	Natur	-

© SMART INVEST GOLD SRL

Piulita cilindrica cu doua orificii axiale
5.25 DIN 547

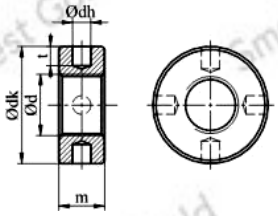




DIN 547 (STAS 5331)
Piulita cilindrica cu doua orificii axiale
(Two-hole nuts)

Dimensiuni	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10
d_k	5.5	7	8	9	10	12	14	18	22
d_h	1	1.2	1.5	1.5	1.5	2	2.5	3	3.5
m	2	2.2	2.5	3	3.5	4.2	5	6.5	8
t (min)	-	-	1.3	1.8	1.8	2.3	2.8	3.3	3.8

Piulita cilindrica cu orificii de pin fixate in lateral
5.26 DIN 548





DIN 548 -Piulita rotunda cu orificii de pin fixate in lateral
(Round nut with set pin holes in side)

Dimensiuni		M2	M2.5	M3	M4	M5	M6	M8	M10
P		0.4	0.45	0.5	0.7	0.8	1	1.25	1.5
$d_{k\ nom}$		5.5	7	8	10	12	14	18	22
$d_{h\ nom}$		1	1.2	1.5	1.5	2	2.5	3	3.5
m_{nom}		2	2.2	2.5	3.5	4.2	5	6.5	8
t	min	0.8	13	1.3	1.8	2.3	2.8	3.3	3.8
	max	1.0	1.6	1.7	2.2	2.7	3.2	3.8	4.3

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

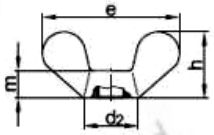
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

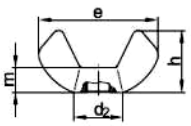
DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
547	Dreapta	-	Zincat	INOX A2
548	Dreapta	-	Zincat	-

©SMART INVEST GOLD SRL

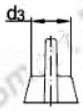
Piulita fluture
5.27 DIN 314 / DIN 315



315



314

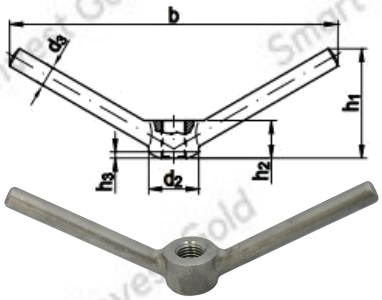




DIN 314 / 315 -Piulita fluture
(Wing nut)

Dimensiuni	M3*	M4	M5	M6	M8
e_{max} 314/ 315	19	21 /20	26.5/26	32/33	38/39
h_{max}	8	11/10.5	13	16/17	19/20
m_{max}	4	4.6	6.5	8	10
d_{2max}	6	8	11	13	16
$d_{3\ max}$	5	7	9	11	12.5
Dimensiuni	**M10**	**M12**	**M16**	**M20**	**M24**
e_{max} 314/ 315	50/51	66/65	73	90	110
h_{max} 314/ 315	24/25	32/33.5	37.5	46.5	56.5
m_{max}	12	14	17	21	25
$d_{2\ max}$	20	23	29	35	44
$d_{3\ max}$	16.5	19.5	23	29	37.5

Piulita future
5.28 DIN 80701



DIN 80701 -Piulita future
(Butterfly nut)

Dimensiuni	M 16	M 20	M 24
b	200	240	280
d_2	30	40	50
d_3	12	16	20
h_1	65	75	90
h_2	20	25	32
h_3	4	5	5

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

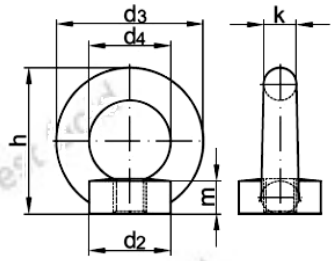
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
314 / 315	Dreapta	-	Natur; Zincat; Alama	INOX A2; INOX A4
80701	Dreapta		Natur	-

© SMART INVEST GOLD SRL

Piulita de ridicare
5.29 DIN 582





DIN 582 -Piulita de ridicare
(Lifting eye nut)

Dimensiuni	M6*	M8	M10	M12	M14*	M16	M18*
d_2	17	20	25	30	35	35	40
d_3	28	36	45	54	63	63	72
d_4	16	20	25	30	35	35	40
m	8.5	8.5	10	11	13	13	16
h	31	36	45	53	62	62	71
k	6	8	10	12	14	14	16
Dimensiuni	**M20**	**M22***	**M24**	**M27***	**M30**	**M33***	**M36**
d_2	40	45	50	50	65	65	75
d_3	72	81	90	90	108	108	126
d_4	40	45	50	50	60	60	70
m	16	18	20	20	25	25	30
h	71	80.5	90	90	109	109	128
k	16	18	20	20	24	24	28
Dimensiuni	**M39***	**M42**	**M45***	**M48**	**M52***	**M56**	**M64**
d_2	85	85	100	100	110	110	120
d_3	144	144	166	166	184	184	206
d_4	80	80	90	90	100	100	110
m	35	35	40	40	45	45	50
h	147	147	168	168	187	187	208
k	32	32	38	38	42	42	48

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

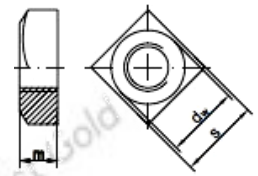
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
582	Dreapta	-	Natur; Zincat; Zincat termic (HDG)	INOX A2; INOX A4

©SMART INVEST GOLD SRL

Piulita patrata
5.30 DIN 557

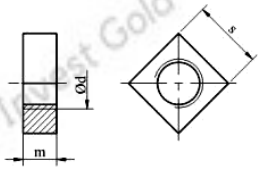


Dimensiuni	M5	M6	M8	M10	M12	M16
$d_{W\ min}$	6.7	8.7	11.5	14.5/15.5	16.5/17.2	22
m	4	5	6.5	8	10	13
s	8	10	13	16/17	18/19	24

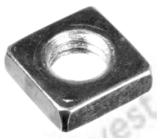


DIN 557 (STAS 926; UNIT 5597)
Piulita patrata
(Square nut)

Piulita patrata subtire
5.31 DIN 562



Ød		M1.6	M2	M2.5	M3	(M3.5)	M4	M5	M6	M8	M10
P		0.35	0.4	0.45	0.5	0.60	0.7	0.8	1	1.25	1.5
m	max=nom	1	1.2	1.6	1.8	2	2.2	2.7	3.2	4	5
	min	0.6	0.8	12	1.4	1.6	1.8	2.3	2.72	3.52	4.52
S_{nom}		3.2	4	5	5.5	6	7	8	10	13	17



DIN 562 -Piulita patrata subtire
(Square thin nut)

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

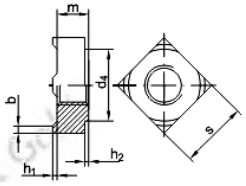
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
557	Dreapta	5.	Natur; Zincat	INOX A2; INOX A4
562	Dreapta	-	Natur; Zincat	INOX A4

© SMART INVEST GOLD SRL

Piulita de sudura patrata
5.32 DIN 928

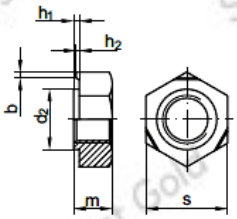




DIN 928 -Piulita de sudura patrata
(Square weld nut)

Dimensiuni	M4	M5	M6	M8	M10	M12
b	0.8	1	1.2	1.5	1.8	2
d_2 min	6.4	8.2	9.1	12.8	15.6	17.4
h1	0.6	0.8	0.8	1	1.2	1.4
h_2 min	0.4	0.6	0.7	1.1	1.25	1.75
m	3.5	4.2	5	6.5	8	9.5
s	7	9	10	14	17	19

Piulita de sudura hexagonala
5.33 DIN 929





DIN 929 -Piulita de sudura hexagonala
(Hexagon weld nut)

Dimensiuni	M3	M4	M5	M6	M8	M10	M12	M14	M16
b	0.8	0.8	0.8	0.9	1	1.25	1.25	1.5	1.5
d_2	4.5	6	7	8	10.5	12.5	14.8	16.8	16.8
h_1	0.55	0.65	0.7	0.75	0.9	1.15	1.4	1.8	1.8
h_2	0.25	0.35	0.4	0.4	0.5	0.65	0.8	1	1
m	3	3.5	4	5	6.5	6	10	11	13
s	7.5	9	10	11	14	17	19	22	24

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

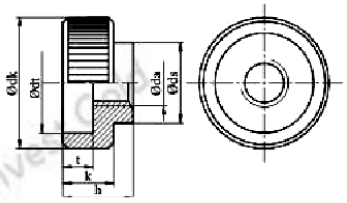
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
928	Dreapta	-	Natur	INOX A2
929	Dreapta	-	Natur	INOX A2; INOX A4

©SMART INVEST GOLD SRL

Piulita cu seratii moletata
5.34 DIN 6303

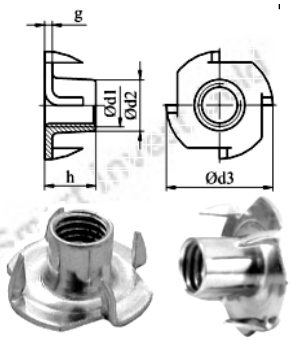




DIN 6303 -Piulita cu seratii moletata
(Knurled nuts)

Dimensiuni		M5	M6	M8	M10	M12
p		0.8	1	1.25	1.5	1.75
d_a	min.	5	6	8	10	12
	max.	5.75	6.75	7.75	10.8	12.8
d_b	min.=nom.	15	18	24	30	34
	max.	15.43	18.43	24.53	30.52	34.52
d_k	nom.	20	24	30	36	40
	max.	20.24	24.42	30.42	36.5	40.5
	min.	19.58	23.58	29.58	35.5	39.5
d_s	max.=nom.	14	16	20	28	32
	min.	13.57	15.57	19.48	27.48	31.48
h	max.=nom.	12	14	17	20	24
	min.	11.57	13.57	16.57	19.48	23.48
k	max.=nom.	8	10	12	14	16
	min.	7.64	9.64	11.57	13.57	15.57
t	max.=nom.	5	6	7	8	8
	max.	5.3	6.3	7.36	8.36	8.36

5.35 Piulita cu gheara (T nuts)



Piulita cu gheara
(T nuts with pronges)

Dimensiuni	M5	M6	M8	M10
h	8	9	11	12
d_2	6.2	7.5	9.5	12
d_3	17	19	22	25
g	1/1.1	1.2	1.6	1.8

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

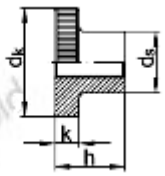
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6303	Dreapta	-	Zincat	INOX A2

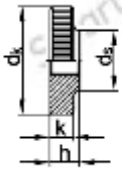
© SMART INVEST GOLD SRL

Piulita striata
5.36 DIN 466 / DIN 467

466



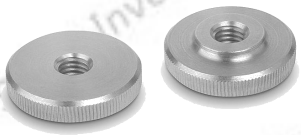
467



Dimensiuni	M4	M5	M6	M8	M10	M12
d_k	12	16	20	24	30	36
d_s	6	8	10	12	16	20
k	2.5	3.5	4	5	6	8
h(466)	7.5	9.5	11.5	15	18	23
h(467)	3	4	5	6	8	10

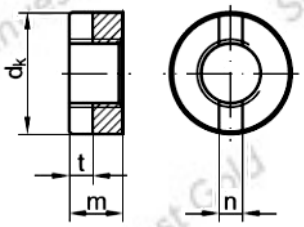


DIN 466 -Piulita striata inalta
(Knurled nut with collar)



DIN 467 -Piulita striata
(Knurled nut)

Piulita cilindrica cu crestatura
5.37 DIN 546



Dimensiuni	M2	M3	M4	M5	M6	M8	M10	M12	M16
$d_{k\ max}$	4.5	6	S	9	11	14	18	21	26
m_{max}	2	2.5	3.5	4.2	5	6.5	8	10	12
n	1	1.2	1.4	2	2.5	3	3.5	4	4
t	0.8	1	1.2	1.5	2	2.5	3.2	3.8	3.8



DIN 546 (STAS 5332)
Piulita rotunda cu crestatura
(Slotted round nut)

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

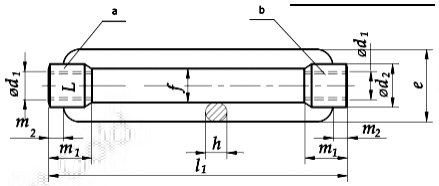
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
466 / 467	Dreapta	5.	Natur; Zincat; Alama	-
546	Dreapta	5.	Natur; Zincat; Alama	INOX A4

©SMART INVEST GOLD SRL

Piulita intinzator
5.38 DIN 1480

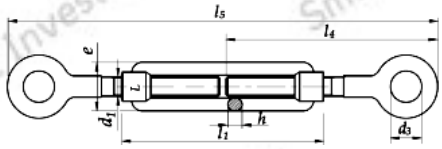




DIN 1480 -Piulita intinzator
(Turnbuckle nut-only the body)

Dimensiuni	M6	M8	M10	M12	M16	M20
Ød2 nom	12	15	18	21	27	34
e_{nom}	19	23	30	34	42	52
f_{nom}	9	11	14	16	20	24
h_{min}	6	8	9	11	14	17
l1 nom	110	110	125	125	170	200
m_{1min}	12	15	18	21	27	34
m_{2max}	6	8	9	11	14	17
Dimensiuni	**M24**	**M30**	**M36**	**M42**	**M48**	**M56**
Ød2 nom	39	45	55	63	80	80
e_{nom}	60	74	86	104	135	135
f_{nom}	28	34	40	50	65	65
h_{min}	20	23	28	32	40	40
l1 nom	255	255	295	330	355	355
m_{1min}	39	45	55	63	78	78
m_{2max}	20	23	28	32	39	39

Piulita intinzator cu capete ochi-ochi
5.39 DIN 1480





DIN 1480 -Piulita intinzator cu capete ochi-ochi
(Turnbuckle nut with with 2 eyes)

Dimensiuni		M6	M8	M10	M12	M16	M20	M24	M30
l_1		110	110	125	125	170	200	255	255
l_5	min	167	179	230	-	335	325	-	530
	max	247	270	315	-	450	450	590	690
d_3		10	11	15.5	-	21.5	24	27	36.5
l_4		80	85	100	-	170	165	205	265
e		19	23	30	-	42	52	60	74
h		6	8	9	11	14	17	21	23

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

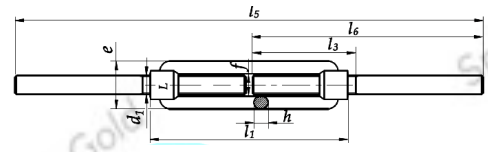
IMPORTANT!

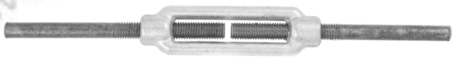
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
1480	Stanga/ Dreapta	-	Zincat	-

© SMART INVEST GOLD SRL

Piulita intinzator cu capete prezon-prezon
5.40 DIN 1480

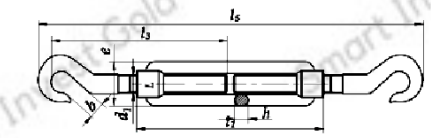


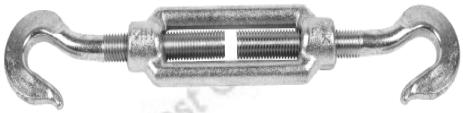


DIN 1480 -Piulita intinzator cu capete prezon-prezon
(Turnbuckle nut with 2 studs)

Dimensiuni		M10	M12	M16	M20	M24	M30
l_1		125	125	170	200	255	255
l_3		75	75	100	120	150	160
l_6		150	150	200	220	260	260
l_5	min	300	300	400	440	520	520
	max	385	380	510	570	710	680
f		14	16	20	24	28	34
h		9	11	14	17	20	23

Piulita intinzator cu capete carlig-carlig
5.41 DIN 1480





DIN 1480 -Piulita intinzator cu capete carlig-carlig
(Turnbuckle nut with hook and hook)

Dimensiuni		M6	M8	M10	M12	M16	M20
l_1		110	110	125	125	170	200
l_5	min	165	180	230	-	320	370
	max	235	260	315	-	430	500
b		10	11	12	14	16	18
e		19	23	30	34	42	52
h		6	8	9	11	14	17
l_3		85	85	112	-	117	185

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

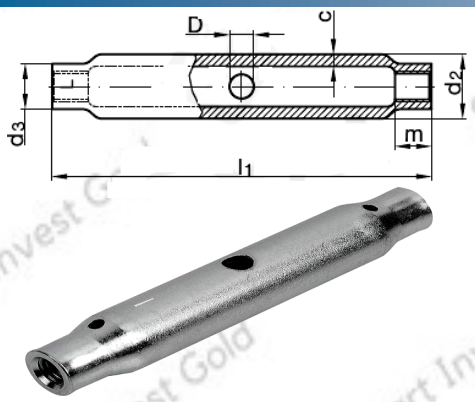
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
1480	Stanga/ Dreapta	-	Zincat	-

©SMART INVEST GOLD SRL

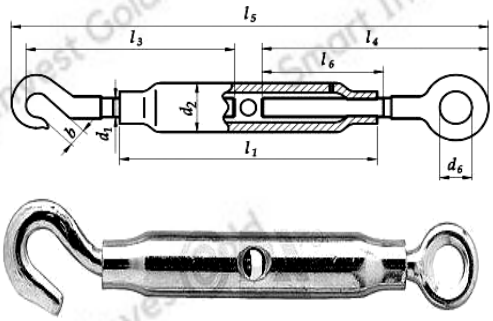
Piulita intinzator
5.42 DIN 1478



Dimensiuni	M6	M8	M10	M12	M16	M20	M24	M30	M36
d_2	17.2	17.2	21.3	25	30	33.7	42.4	51	63.5
d_3	9	12	15	18	22.5	27	32	38	47.5
D	6	8	8	10	10	12	12	16	16
C	2.9	3.6	4	4	4.5	5	5.6	6.3	8
l_1	110	110	125	125	170	200	255	255	295
m	7.5	10	12	15	20	24	29	36	43

DIN 1478 -Piulita intinzator
(Turnbuckle nut with hole, only the body)

Piulita intinzator cu capete carlig-ochi
5.43 DIN 1478



Dimensiuni		M12	M16	M20
d_2		25.6	30	33.7
l_1		125	170	200
l_5	min	238	295	340
	max	328	400	480
d_6		16.5	20	25
b		15.5	18.5	20.5
l_4		115	135	170

DIN 1478 -Piulita intinzator
(Turnbuckle nut with hook and eye)

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

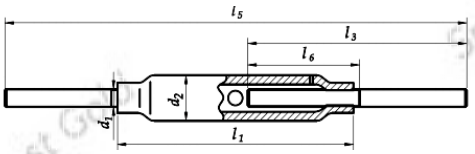
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
1478	Stanga/ Dreapta	-	Zincat	-

© SMART INVEST GOLD SRL

Piulita intinzator cu capete prezon-prezon
5.44 DIN 1478

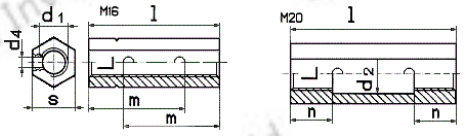


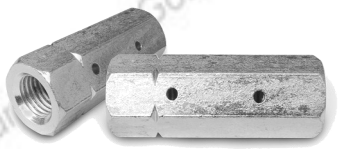


DIN 1478 -Piulita intinzator cu prezon-prezon
(Turnbuckle nut with 2 studs)

d_1		M12	M16	M20	M24	M30	M36	M42	M48
d_2		25	30	34	42.5	50.3	46	70	82.5
l_1		125	170	200	255	255	295	330	355
l_5	min	300	400	445	530	525	620	700	760
	max	390	520	590	710	695	810	910	1000
l_3		150	200	220	270	260	300	350	380
l_6		70	100	125	135	170	180	180	220

Piulita intinzator
5.45 DIN 1479





DIN 1479 -Piulita intizator
(Turnbuckle hexagon nut, only the body)

Dimensiuni	M6	M8	M10	M12	M16	M20	M24	M30	M36
d_2	-	-	-	-	-	21	26	32	38
d_4	4	4	4	4	4	4	4	4	4
l	30	35	45	55	75	95	115	125	145
m	22.5	25	33	40	55	24	29	36	45
s	10	13	17	19	24	30	36	46	55

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

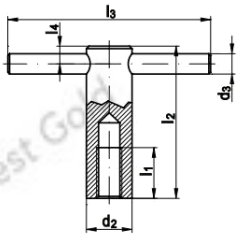
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
1478	Stanga/ Dreapta	-	Zincat	-
1479	Stanga/ Dreapta	-	Zincat	-

©SMART INVEST GOLD SRL

Piulita Tommy
5.46 DIN 6305

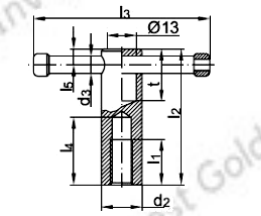




DIN 6305 -Piulita Tommy
(Tommy nuts with fixed clamping bolt)

Dimensions	M10	M12	M16	M20
d_2	18	20	24	30
d_3	8	10	12	16
l_1	25	25	35	40
l_2	60	70	85	95
l_3	80	100	120	140
l_4	7	9	11	14

Piulita Tommy
5.47 DIN 6307





DIN 6307 -Piulita Tommy
(Tommy nuts with movable clamping bolt)

Dimensiuni	M10	M12	M16	M20
d_2	18	20	24	30
d_2	8	10	12	16
l_1	25	25	35	40
l_2	60	70	85	95
l_3	80	100	120	140
l_4	30	35	45	50
l_5	7	9	11	14
t	23	26	28	34

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

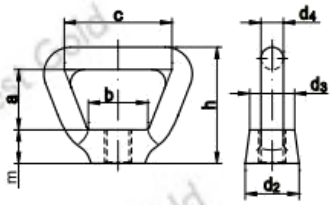
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6305/ 6307	Dreapta	5.	Zincat	INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Piulita maner
5.48 DIN 80704

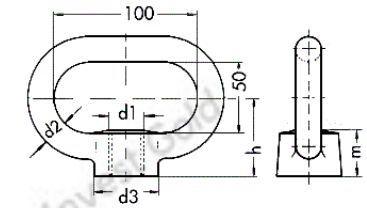


Dimensiuni	M 6*	M 8*	M 10*	M 12	M 16	M 20	M 22*	M 21*
a	15	20	25	27	29	32	32	36
b	14	18	23	27	32	36	36	15
c	25	32	42	48	56	64	64	75
d_2	14	18	23	24	30	36	36	45
d_3	11.5	15	18	20	24	28	28	36
d_4	5	6.5	8	10	12	13	13	14
h	28	36	50	52	59	66	66	75
m	8	10	12	15	18	21	21	25



DIN 80704 -Piulita maner
(Bow nut)

Piulita maner
5.49 DIN 28129



Dimensiuni	M16	M20	M24	M27
d_2	14	16	18	20
d_3	35	40	45	50
h	48	50	55	58
m	25	28	32	35



DIN 28129 -Piulita maner
(Clamp nut for covers)

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

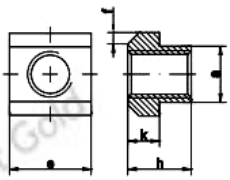
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
80704 / 28129	Dreapta	-	Natur	-

©SMART INVEST GOLD SRL

Piulita T-slot
5.50 DIN 508





DIN 508 -Piulita T-slot
(T-slot nut)

Dimensiuni	M5	M6	M8	M10	M12	M14	M16	M20	M24
a	6	8	10	12	14	16	18	22	28
e	10	13	15	18	22	25	28	35	44
f	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5	4
h	8	10	12	14	16	18	20	28	36
k	4	6	6	7	8	9	10	14	18

PIULITE

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

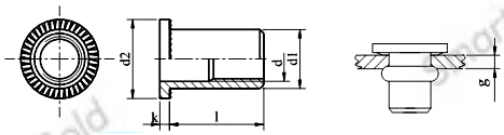
IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
508	Dreapta	10.	Natur; Zincat	

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

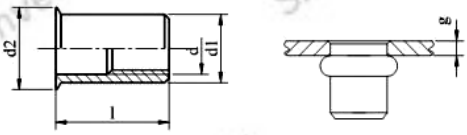
Piulita nituibila cu cap cilindric
5.51 AN 310



Dimensiuni	M8
d_1	11
d_2	15
k	1 5
l	16,5
g*	0,5-3.0
*	11,1

AN 310 -Piulita nituibila cu cap cilindric
(Blind rivet nuts, flat grooved head, cylindrical shank, open end)

Piulita nituibila cu cap inecat
5.52 AN 314



Dimensiuni	M4	M5	M6	M8
d_1	6	7	9	11
d_2	7	8	10	12
l	11,5	12,5	14,5	16.5
g*	0,50 - 2,50	0,50 - 3,00	0,50- 3,00	0,5-3,00
*	6,1	7,1	9,1	11,1

AN 314 -Piulita nituibila cu cap inecat
(Blind rivet nuts, countersunk reduced head, cylindrical shank, open end)

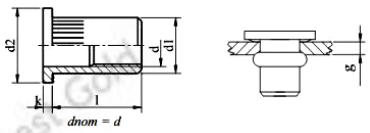
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 310	-	-	-	INOX A2; INOX A4
AN 314	-	-	-	INOX A2; INOX A4

©SMART INVEST GOLD SRL

Piulita nituibila cu cap cilindric
5.53 AN 315

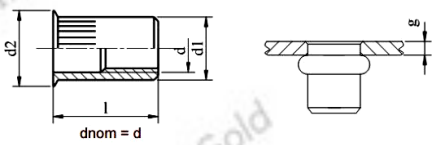


AN 315 -Piulita nituibila cu cap cilindric
(Blind rivet nuts, flat head, cylindrical grooved shank, open end)

dnom	M3	M4		M5		M6	
d_1	5	6		6,9		9,0	
d_2	7,9	9		10		13	
k	0	0,8		1		1,5	
l	9,0	10,5	12.25	11,5	15	14,5	16,5
g*	0,25-2,00	0,25-3,00	3,00-4,50	0,25-3,00	3,00 - 5,50	1,00-3,00	3,00 - 5,50
*	5,1	6.1		7,1		9,1	

dnom	M8		M10		M12		
d_1	11,0		13		16		
d_2	16		19		23		
k	1.5		2		2		
l	16	18.5	22	26	23.5		
g*	1,00-3,00	3.00-5,50	1.00-3,50	3.00-6,00	1,00-4,00		
*	11,1		13,1		16,1		

Piulita nituibila cu cap inecat
5.54 AN 320



AN 320 -Piulita nituibila cu cap inecat
(Blind rivet nuts, countersunk reduced head, cylindrical grooved shank, open end)

Dimensiuni	M3	M4	M5	M6		M8		M10
d_1	5	6	7	9		11		13
d_2	6	7	8	10		12		14
l	9,0	10,0	12	15,0	17,5	16,5	18	20,5
g*	0,5-1,5	0,5-2	0,5-3	0,5-3	3-5,5	0,5-3,00	3-5,5	0,7-3,5
*	5,1	6,1	7,1	9,1		11.1		13,1

PIULITE

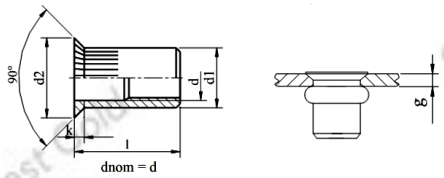
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 315	-	-	Zincat	-
AN 320	-	-	Zincat	INOX A2; INOX A4

© SMART INVEST GOLD SRL

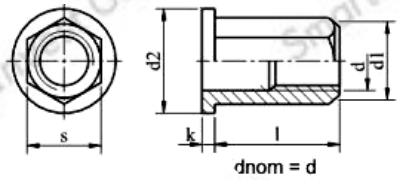
Piulita nituibila cu cap inecat
5.55 AN 318



AN 318 -Piulita nituibila cu cap inecat
(Blind rivet nuts, countersunk head, cylindrical grooved shank, open end)

Dimensiuni	M4	M5	M6	M8	M10
d_1	6	7	9	11	13
d_2	8,5	9,5	11,3	13,5	16
k	1,5	1,5	1,5	1,5	1,7
l	11,5	13	16	18,5	20
g*	1,50-3,00	1,50-4,00	1,50-4,00	1,5-4,00	1,5-3,00
*	6,1	7,1	9/	11,1	13,1

Piulita nituibila hexagonala cu cap cilindric
5.56 AN 322



AN 322 -Piulita nituibila hexagonala cu cap cilindric
(Blind rivet nuts, flat head, hexagonal shank, open end)

Dimensiuni	M4	M5	M6	M8		M10	M12
s_1	6	7	9	11		13	16
d_2	9	10	13	16		19	23
k	1	1	1,5	1,5		2	2
l	11	12	16	18	19,5	24	22
g*	0.25-2.00	0,50-3.00	0,50 - 3.00	0,50-3,00	3.00-5,50	1,00-3,50	1.00-4,00
*	6,1	7,1	9,1	11	4	13,1	16,1

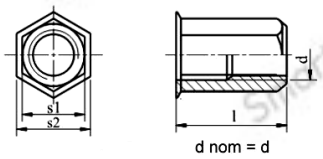
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 318	-	-	Zincat	INOX A2; INOX A4
AN 322	-	-	Zincat	-

©SMART INVEST GOLD SRL

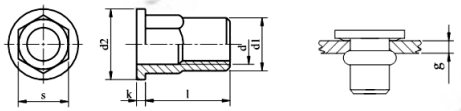
Piulita nituibila hexagonala cu cap inecat
5.57 AN 323



Dimensiuni	M6	M8
s_1	9	11
s_2	10	12
l	16	18
g*	0,50-3,00	0,5-3,00
*	9,1	11,1

AN 323 -Piulita nituibila hexagonala cu cap inecat
(Blind rivet nuts, countersunk reduced head, hexagonal shank, open end)

Piulita nituibila partial hexagonala cu cap cilindric
5.58 AN 313



Dimensiuni	M4	M5	M6	M8	M10
s	5,9	6,9	8,9	10,9	12,9
d_2	9	10	12,7	15	18
k	0,8	1	1,5	1,5	1,7
l	9,7	12,5	13,5	16,5	19,3
g*	0,5-2	0,5-2,5	0,5-3	0,5-4	0,5-4
*	6	7	9	11	13

AN 313 -Piulita nituibila partial hexagonala cu cap cilindric
(Blind river nuts, flat head, hexagon on the part of the shank length, open end)

PIULITE

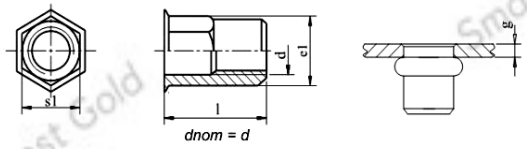
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 323	-	-	Zincat	-
AN 313	-	-	Zincat	INOX A2; INOX A4

© SMART INVEST GOLD SRL

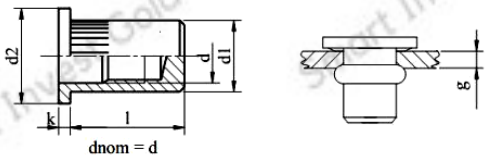
Piulita nituibila partial hexagonala cu cap inecat
5.59 AN 329



Dimensiuni	M4	M5	M6	M8	M10
s_1	6	7	9	11	13
e_1	6,8	7,9	10,2	12,4	14,7
l	12	14	16	17	20,5
g*	0,5-2,5	0,5-3	0,5-3	0,5-3	1-4
*	6,1	7,1	9,1	11,1	13,1

AN 329 -Piulita nituibila partial hexagonala cu cap inecat
(Blind rivet nuts, countersunk reduced head, hexagon on the part of the shank length, open end)

Piulita nituibila cu cap cilindric
5.60 AN 324



Dimensiuni	M5	M6	M8
d_1	7	9	11
d_2	10	13	16
k	0,9 - 1,1	1,4-1,6	1,4-1,6
l	18	21,5	24,5
e*	0,5-2,5	1,0-3,0	1,0-3,2
*	7,1	9,1	11,1

AN 324 -Piulita nituibila cu cap cilindric
(Blind rivet nuts, flat head, cylindrical grooved shank, closed end)

PIULITE

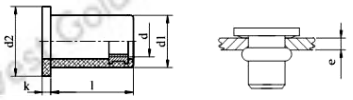
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 329	-	-	Zincat	INOX A2; INOX A4
AN 324	-	-	Zincat	-

©SMART INVEST GOLD SRL

Piulita nituibila cu cap cilindric
5.61 AN 417



AN 417 -Piulita nituibila cu cap cilindric
(Blind rivet nut made with neoprene)

dnom	M3	M4	M5				M6	
d_1	7,9	7,9	9,6				12,7	
d_2	11	11	12,7	14			16	19,1
k	1,4	1,4	0.9	0,9	1,3		1,3	4.75
l	12,6	12.6	14,1	21,5	26.1	39,8	16	21,1
e*	0,4 - 4,0	0,4 - 4,0	0,4-4,9	4-11,6	7,9-16,0	20,5-30,0	0,4 - 2,8	0.8-4,7
*	max 8,3	max 8,3	max 9,9				max 13	

dnom	M6		M8			M10	M12	
d_1	12,7	13,0	15,9		18,0	20,0	24,0	
d_2	16,3	16,0	22,1		20	22,5	27,0	
k	2	1,3	3,2	5,72	1,6	1,3	1,3	
l	26,7	35,0	18.3	27,9	50	55,0	80,0	
e*	6,4-11,	11,5-23.0	0,4-4,0	3,9-9,5	15,0-39.0	19,0-40,C	38.0 - 64,0	
*	max 13		max 16.2		max 18,3	max 20,3	max 24,3	

PIULITE

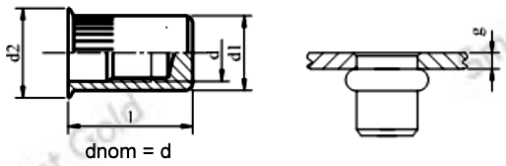
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 417	-	-	Alama	-

© SMART INVEST GOLD SRL

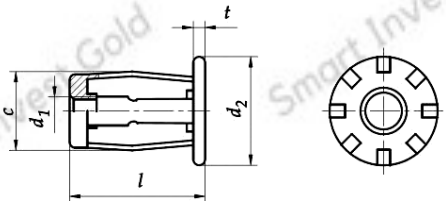
Piulita nituibila cu cap inecat
5.62 AN 325



AN 325 -Piulita nituibila cu cap inecat
(Blind rivet nuts, cylindrical grooved shank, countersunk reduced head, closed end)

Dimensiuni	M6	M8
d_1	9	11
d_2	10	12
l	21.5	22,5
g*	-	0,50-3,00
*	9,1	11,1

Piulita Jack
5.63 AN 247



AN 247 -Piulita Jack
(Jack nut)

Dimenisuni	M5L	M6L
d_1	M5	M6
d_2	14	16
l	23,2	23
c	10	12
t	1,6	1,6
Plate thickness	5-10	5-10

PIULITE

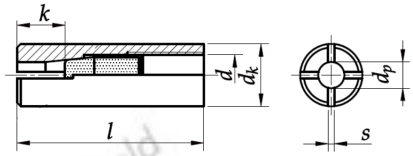
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 325	-	-	Zincat	-
AN 247	-	-	Zincat	-

©SMART INVEST GOLD SRL

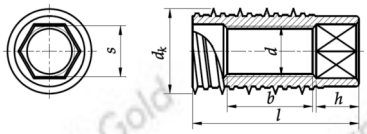
Piulita expandabila
5.64 AN 215



Dimensiuni		M6	M8	M10	M12	M16	M20
d_k		8	10	12	16	20	25
d_p		3.2	4.2	6.4	8.3	12.3	14.5
l	max	25.2	30.2	40	51	65	80
	min	24.6	29.6	39.2	50	64	79

AN 215 -Piulita expandabila
(Drop-in anchors)

Insertie filetata pentru beton
5.65 AN 214



Dimenisuni	M5	M6	M8	M10	M12	M16
d_k	9.1	10.4	13.6	16.75	19.95	24.6
h	5	6	7	9	10	12
b	9	10	12.5	19	22	21
l	28	28	32	37	42	43
D*	8	9	12	15	18	22
A*	33	33	37	42	47	48
Nm	5-10	5-10	15	20	20	50

AN 214 -Insertie filetata pentru beton
(Internal thread concrete anchors)

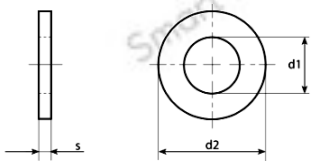
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 215	-	-	Natur; Zincat	-
AN 214	-	-	Natur	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Saiba plata standard
6.1 DIN 125A/ DIN 125B

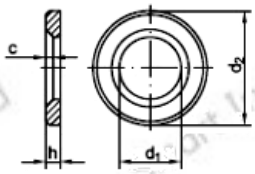




DIN 125A / ISO 7089 -Saiba plata standard
(Plain washer fine series)

Dimensiuni	M2	M2.5	M3	M3.5	M4	M5	M6	M7	M8	M10	M12	M14
d1	2.2	2.7	3.2	3.7	4.3	5.3	6.4	7.4	8.4	10.5	13	15
d2	5	6	7	8	9	10	12	14	16	20	24	28
s_{nom}	0.3	0.5	0.5	0.5	0.8	1	1.6	1.6	1.6	2	2.5	2.5
Dimensiuni	**M16**	**M18**	**M20**	**M22**	**M24**	**M27**	**M30**	**M33**	**M36**	**M39**	**M42**	**M45**
d1	17	19	21	23	25	28	31	34	37	40	43	46
d2	30	34	37	39	44	50	56	60	66	72	78	85
s_{nom}	3	3	3	3	4	4	4	5	5	6	7	7
Dimensiuni	**M48**	**M52**	**M56**	**M60**	**M64**	**M72**	**M80**	**M85**	**M90**	**M95**	**M100**	**M105**
d1	50	54	58	62	66	74	82	87	93	98	104	109
d2	92	98	105	110	115	125	140	145	160	165	75	180
s_{nom}	8	8	9	9	9	10	12	12	12	12	14	14

Saiba de inalta rezistenta
6.2 EN 14399-6 / DIN 6916





DIN 6916 / EN 14399-6 (ISO 7416; UNI 5714)
Saiba de inalta rezistenta
(Plain washer for high strength)

Dimensiuni	M12	M16	M20	M22	M24	M27	M30
$d_{1\ min}$	13	17	21	23	25	28	31
$d_{2\ max}$	24	30	37	39	44	50	56
h	3	4	4	4	4	5	5
c_{min}	1,6	1,6	2	2	2	2,5	2,5
Dimensiuni	**M36**	**M39***	**M42***	**M48***	**M56 ***	**M64 ***	
$d_{1\ min}$	37	40,4	43,4	49,4	58	66	
$d_{2\ max}$	66	72	78	90,6	103.6	113,6	
h	5	6	8	8	10	10	
c_{min}	2,5	3	3	3,4	4	4,5	

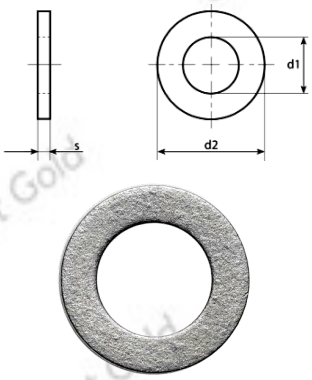
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
125A / 125B	100 HV; 140 HV	-	Natur; Zincat; Zincat galben; Zincat termic(HDG); Poliamida; Aluminiu; Alama	INOX A2; INOX A4
6916	-	10	Zincat termic (HDG); Natur	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

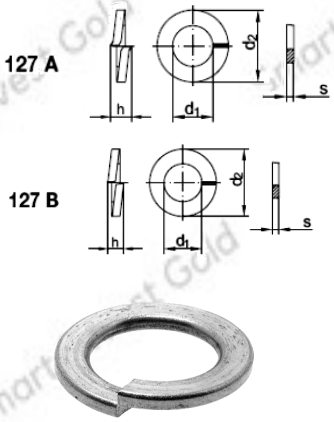
Saiba plata
6.3 DIN 126



Dimensiuni	M5	M6	M8	M10	M12	M14	M16
d_1	5.5	6.6	9	11	13.5	15.5	17.5
d_2	10	12	16	20	24	28	30
s	1	1.6	1.6	2	2.5	2.5	3
Dimenisuni	**M18**	**M20**	**M22**	**M24**	**M.27**	**M30**	
d_1	20	22	24	26	30	33	
d_2	34	37	39	44	50	56	
s	3	3	3	4	4	4	

DIN 126 -Saiba plata
(Plain washer coarse series)

Saiba elastica Grower standard
6.4 DIN 127A / 127B



Dimensiuni	3	3.5	4	5	6	7	8	10
d_1	3.1	3.6	4.1	5.1	6.1	7.1	8.1	10.2
d_2	6.2	6.7	7.6	9.2	11.8	12.8	14.8	18.1
s	0.8	0.8	0.9	1.2	1.6	1.6	2	2.2
$h_{Form A}$	1.9	1.9	2.1	2.7	3.6	3.6	4.6	5
$h_{Form B}$	1.6	1.6	1.8	2.4	3.2	3.2	4	4.4
Dimensiuni	**12**	**14**	**16**	**18**	**20**	**22**	**24**	**27**
d_1	12.2	14.2	16.2	18.2	20.2	22.5	24.5	27.5
d_2	21.1	24.1	27.4	29.4	33.6	35.9	40	43
s	2.5	3	3.5	3.5	4	4	5	5
$h_{Form A}$	5.8	6.8	7.8	7.8	8.8	8.8	11	11
$h_{Form B}$	5	6	7	7	8	8	10	10
Dimensiuni	**30**	**33**	**36**	**39**	**42**	**45**	**48**	**52**
d_1	30.5	33.5	36.5	39.5	42.5	45.5	49	53
d_2	48.2	53.2	58.2	61.2	68.2	71.2	75	82
s	6	6	6	6	7	7	7	8
$h_{Form A}$	13.6	13.6	13.6	13.6	15.6	15.6	15.6	18
$h_{Form B}$	12	12	12	12	14	14	14	16

DIN 127A / 127B (STAS 7666; UNI 1751)
Saiba Grower elastica pentru suruburi imbus
(Spring washer)

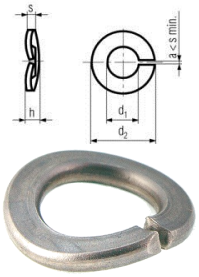
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
126	-	-	Natur, Zincat	-
127A / 127B	-	-	Natur; Zincat; Zincat galben;	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Saiba elastica Grower
6.5 DIN 128



DIN 128 (STAS 7666; UNI 1751)
Saiba Grower elastica pentru suruburi imbus
(Spring washer)

Dimensiuni	5	6	8	10	12	14	16	18	20	22	24	30
Dimensiuni	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M30
d1	5.1	6.1	8.2	10.2	12.2	14.2	16.2	18.2	20.2	22.5	24.5	30.5
	5.4	6.5	8.6	10.7	12.7	14.7	17	19	21.2	23.5	25.5	31.7
d2 max	9.2	11.8	14.9	18.1	21.1	24.1	27.4	29.4	33.6	35.9	40	48.2
s nom	1	1.3	1.6	1.8	2.1	2.4	2.8	2.8	3.2	3.2	4	6
h max	1.7	2.2	2.75	3.15	3.65	4.3	5.1	5.1	5.9	5.9	7.5	10.5

Saiba elastica Grower (arc) pentru suruburi imbus
6.6 DIN 7980



DIN 7980 (STAS 7666; UNI 1751)
Saiba Grower elastica pentru suruburi imbus
(Spring washer)

Dimensiuni	3	4	5	6	8	10	12
d_2	5.6	7	8.8	9.9	12.7	16	18
s	1	1.2	1.6	1.6	2	2.5	2.5
h	2	2.4	3.2	3.2	4	5	5
for inch thread	3	4	5	6	8	10	12
Dimensiuni	**14**	**16**	**18**	**20**	**22**	**24**	**27**
d_2	21.1	24.4	26.4	30.6	32.9	35.9	38.9
s	3	3.5	3.5	4.5	4.5	5	5
h	6	7	7	1	9	10	10
for inch thread Ø	14	16	18	20	22	24	27
Dimensiuni	**30**	**33**	**36**	**42**	**48**		
d_2	44.1	47.1	52.2	60.2	67		
s	6	6	7	8	8		
h	12	12	14	16	16		
for inch thread	30	33	36	42	48		

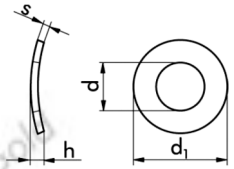
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
128	-	-	Natur; Zincat termic(HDG)	INOX A2; INOX A4
7980	-	-	Natur; Zincat	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Saiba elastica
6.7 DIN 137A

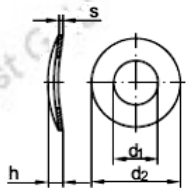




DIN 137A -Saiba elastica
(Waved and curved spring washer)

Dimensiuni	2	2.3	2.6	3	3.5	4
d	2.2	2.5	2.8	3.2	3.7	4.3
d_1	4.5	5	5.5	6	7	8
s	0.3	0.3	0.3	0.4	0.4	0.5
h	1	1	1.1	1.3	1.4	1.6
Dimensiuni	**5**	6	**7**	**8**	**10**	
d	5.3	6.4	7.4	8.4	10.5	
d_1	10	11	12	15	18	
s	0.5	0.5	0.5	0.5	0.8	
h	1.8	2.2	2.4	3.4	4	

Saiba elastica
6.8 DIN 137B





DIN 137B -Saiba elastica
(Waved and curved spring washer)

Dimensiuni	3	3.5	4	5	6	7	8	10
d_1	3.2	3.7	4.3	5.3	6.4	7.4	8.4	10.5
d_2	8	8	9	11	12	14	15	21
s	0.5	0.5	0.5	0.5	0.5	0.8	0.8	1
h	1.6	1.8	2	2.2	2.6	3	3	4.2
Dimensiuni	**12**	**14**	**16**	**18**	**20**	**22**	**24**	**27**
d_1	13	15	17	19	21	23	25	28
d_2	24	28	30	34	36	40	44	50
s	1.2	1.6	1.6	1.6	1.6	1.8	1.8	2
h	5	6	6.4	6.6	7.4	7.8	8.2	9.4
Dimensiuni	**30**	**33**	**36**	**42**	**45**	**48**	**52**	
d_1	31	34	37	43	46	50	54	
d_2	56	60	68	78	85	92	98	
s	2.2	2.2	2.5	3	3	3.5	3.5	
h	10	10.6	11.6	13.6	14.2	15.6	16.4	

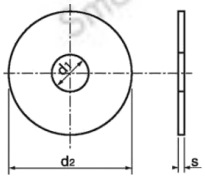
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
137A ; 137B	-	-	Natur; Zincat	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Saiba plata extra-larga pentru lemn
6.9 DIN 9021

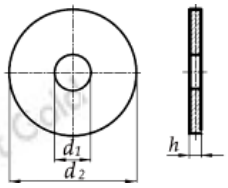




DIN 9021 (ISO 7093; UNI 6593)
Saiba plata extra-larga pentru lemn
(Washer with outside diameter 3xbolt Diameter)

Dimensiuni	M3	M4	M5	M6	M7
$d_{1(min)}$	3,2	4,3	5,3	6,4	7,4
$d_{2(max)}$	9	12	15	18	22
s	0,8	1	1.2	1.6	2
Dimensiuni	**M8**	**M10**	**M12**	**M14**	**M16**
$d_{1(min)}$	8,4	10,5	13	15	17
$d_{2(max)}$	24	30	37	44	50
s	2	2.5	3	3	3
Dimensiuni	**M18**	**M20**	**M24**		
$d_{1(min)}$	20	22	26		
$d_{2(max)}$	56	60	72		
s	4	4	5		

Saiba plata serie mare pentru lemn
6.10 DIN 440R





DIN 440R (STAS 7567; ISO 7094; UNI 6569)
Saiba plata serie mare pentru lemn
(Round washer for wood connections)

Dimensiuni	M5	M6	M8	M10	M12	M16	M20	M22
d_1	5,5	6,6	9	11	14	18	22	24
d_2	18	22	28	34	44	56	72	80
h_{nom}	2	2	3	3	4	5	6	6

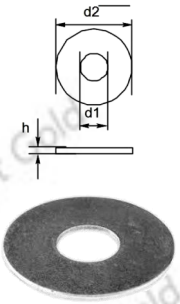
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
9021	140 HV	-	Natur; Zincat; Zincat galben; Zincat	INOX A2; INOX A4
440R	100 HV	-	Natur; Zincat; Zincat termic	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

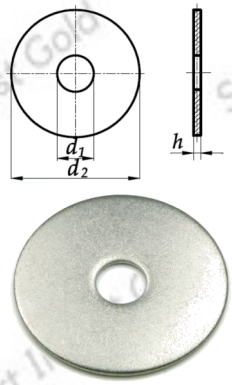
Saiba Mudguard
6.11 DIN 522C



DIN 522C -Saiba mudguard
(Mudguard washer)

Dimensiuni	M4x12x 0.8	M5x15x 1	M5x20x 1	M6x16x 1	M6x20x 1	M6x24x 1.2	M8x20x 1.25	M8x20x 1.5
d_1	4.3	5.3	5.3	6.4	6.4	6.4	8.4	8.4
d_2	12	15	20	16	20	24	20	20
h	0.8	0.8	1	1	1	1.2	1.25	1.5
Dimensiuni	**M8x20x 2.5**	**M8x24x 1.5**	**M8x30x 1.5**	**M10x24 x2.5**	**M10x36 x2.5**	**M12x30 x2.5**		
d_1	8.4	8.4	8.4	10.5	10.5	13		
d_2	20	24	30	25	36	30		
h	2.5	1.5	1.5	2.5	2	2.5		

Saiba caroserie
6.12 AN 81



AN 81 -Saiba
(Car body washer)

dnom	4.3		5.3			6.4					
Dimensiuni	**M4**		**M5**			**M6**					
d_1	4.3		5.3			6.4					
d_2	15	20	15	20	25	15	20	25	30	35	40
h	1.25		1.25			1.25					
d_{nom}	8.4					10.5				13	
Dimensiuni	**M8**					**M10**				**M12**	
d_1	8.4					10.5				13	
d_2	20	25	30	35	40	25	30	35	40	40	
h	1.5					1.5				1.5	

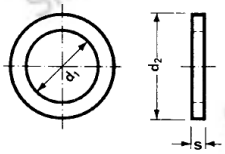
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
522C	140 HV	-	Natur; Zincat	INOX A2
AN 81	-	-	Zincat	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Saiba plata-serie grea
6.13 DIN 6340

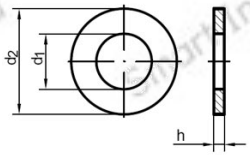




DIN 6340 -Saiba plata-serie grea
(Washer for clamping devices)

Dimensiuni	M6	M8	M10	M12	M14
d_1	6.4	8.4	10.5	13	15
d_2	17	23	28	35	40
s	3	4	4	5	5
Dimensiuni	**M16**	**M20**	**M24**	**M30**	**M36**
d_1	17	21	25	31	38
d_2	45	50	60	68	80
s	6	6	8	10	12

Saiba plata redusa
6.14 DIN 433





DIN 433 (ISO 7092) -Saiba plata redusa
(Plain washer for cheese and round head screws)

Dimensiuni	M1	M1.2	M1.4	M1.6	M1.8	M2	M2.2
d_1	1.1	1.3	1.5	1.7	2	2.2	2.4
d_2	2.5	3	3	3.5	4	4.5	4.5
h	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Dimensiuni	**M2.5**	**M3**	**M3.5**	**M4**	**M5**	**M6**	**M7**
d_1	2.7	3.2	3.7	4.3	5.3	6.4	7.4
d_2	5	6	7	8	9	11	12
h	0.5	0.5	0.5	0.5	1	1.6	1.6
Dimensiuni	**M8**	**M10**	**M12**	**M14**	**M16**	**M18**	**M20**
d_1	8.4	10.5	13	15	17	19	21
d_2	15	18	20	24	28	30	34
h	1.6	1.6	2	2.5	2.5	3	3
Dimensiuni	**M22**	**M24**	**M27**	**M30**	**M33**	**M36**	
d_1	23	25	28	31	34	37	
d_2	37	39	44	50	56	60	
h	3	4	4	4	5	5	

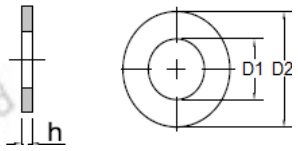
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6340	-	-	Natur; Zincat	-
433	200 HV	-	Natur; Zincat	INOX A2; INOX A4

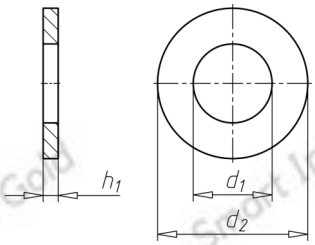
©SMART INVEST GOLD SRL

Saiba pentru bolturi/ Saiba plata
6.15 DIN 1440 / DIN 1441





DIN 1440 -Saiba pentru bolturi
(Plain washer for clevis pins)





DIN 1441 -Saiba plata
(Type coarse washer)

Dimensiuni	M5	M6	M7	M8	M10	M12
d_1	5	6	7	8	10	12
d_2	10	12	14	16	20	25
h	0 8	1.6	1.6	2	2.5	3
Dimensiuni	**M14**	**M16**	**M18**	**M20**	**M22**	**M24**
d_1	14	16	13	20	22	24
d_2	28	28	30	32	34	38
h	3	3	4	4	4	4
Dimensiuni	**M27**	**M30**	**M33**	**M35**	**M36**	**M40**
d_1	27	30	33	35	36	40
d_2	40	45	50	52	52	58
h	5	5	5	6	6	6
Dimensiuni	**M45**	**M50**	**M55**	**M60**	**M65**	**M70**
d_1	45	50	55	60	65	70
d_2	62	68	75	80	90	95
h	7	B	9	9	9	10
Dimensiuni	**M75**	**M80**	**M85**	**M90**	**M100**	
d_1	75	80	85	90	100	
d_2	100	110	110	115	125	
h	10	12	12	12	14	

SAIBE

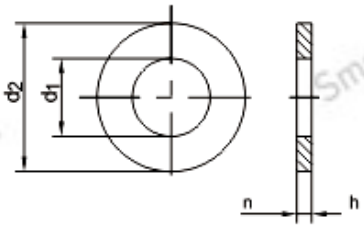
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
1440	-	-	Natur; Zincat; Zincat galben	INOX A2; INOX A4
1441	-	-	Natur; Zincat	-

© SMART INVEST GOLD SRL

Saiba distantier
6.16 DIN 988





DIN 988 –Saiba distantier
(Shim washer)

Dimensiuni	M3	M4	M6	M8	M10	M12	M14
d_1	3	4	6	6	10	12	14
d_2	6	8	12	14	13	16	20
h	1	1	1.2	1.2	1.2	1.2	1.5
Dimensiuni	**M15**	**M16**	**M17**	**M18**	**M20**	**M22**	**M25**
d_1	15	16	17	18	20	22	25
d_2	21	22	24	25	28	30/32	35/36
h	1.5	1.5	1.5	1.5	2	2	2
Dimensiuni	**M26**	**M28**	**M30**	**M35**	**M37**	**M40**	**M45**
d_1	26	28	30	35	37	40	45
d_2	37	40	42	45	47	50	55
h	2	2	2.5	2.5	2.5	2.5	3
Dimensiuni	**M50**	**M55**	**M60**	**M63**	**M65**	**M70**	**M75**
d_1	50	55	60	63	65	70	75
d_2	62/63	68	75	80	85	90	95
h	3	3	3	3	3.5	3.5	3.5
Dimensiuni	**M80**	**M85**	**M90**	**M100**			
d_1	80	85	90	100			
d_2	100	105	110	120/125			
h	3.5	3.5	3.5	3.5			

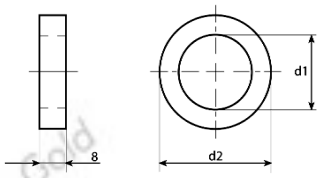
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.
- DIN 988 Nu exista zincat, deoarece materialul din care se realizeaza este din otel arc.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
988	-	-	Natur	INOX A2

©SMART INVEST GOLD SRL

Saiba pentru constructii de otel
6.17 DIN 7989

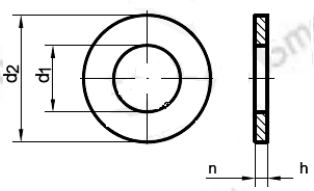




Dimensiuni	M10	M12	M16	M20	M22
d_1	11	14	18	22	24
d_2	21	24	30	37	39
s	8	8	8	8	8
Dimensiuni	**M24**	**M27**	**M30**	**M33**	**M36**
d_1	26	30	33	36	39
d_2	44	50	56	60	66
s	8	8	8	8	8

DIN 7989 -Saiba pentru constructii de otel
(Washers for steel constructions)

Saiba plata speciala
6.18 DIN 7349





Dimensiuni	M3	M4	M5	M6	M8
d_1	3.2	4.3	5.3	6.4	8.4
d_2	9	12	15	17	21
h	1	1.6	2	3	4
Dimensiuni	**M10**	**M12**	**M16**	**M18**	**M20**
d_1	10.5	13	17	44	21
d_2	25	30	40	8	44
h	4	6	6		8
Dimensiuni	**M22**	**M24**	**M27**	**M30**	
d_1	23	25	28	31	
d_2	50	50	60	69	
h	8	10	10	10	

DIN 7349 -Saiba plata speciala
(Flat washer for bolts with heavy type spring pins)

SAIBE

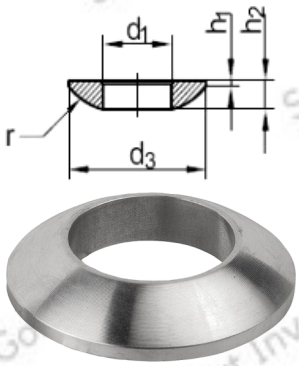
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7989	200 HV; 300 HV	-	Natur; Zincat; Zincat termic (HDG)	INOX A2; INOX A4
7349	100 HV; 200 HV	-	Natur; Zincat; Zincat galben; Zincat termic(HDG)	INOX A2; INOX A4

© SMART INVEST GOLD SRL

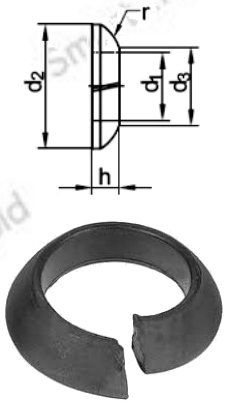
Saiba sferica
6.19 DIN 6319C



DIN 6319C -Saiba sferica
(Spherical washer)

Dimensiuni	6,4	8,4	10,5	13	17	21
d_3	12	17	21	24	30	36
h_1	0,7	0,6	0,8	1,1	1,3	2
h_2	2,3	3,2	4	4,6	5,3	6,3
r_1	9	12	15	17	22	27
Dimensiuni	**25**	**31**	**37**	**43**	**50**	
d_3	44	56	68	78	92	
h_1	2,4	3,6	4,6	6,5	8	
h_2	8,2	11,2	14	17	21	
r_1	32	41	50	58	67	

Saiba conica elastica
6.20 DIN 74361C



DIN 74361C -Saiba conica elastica
(Elastic conical washer)

Dimensiuni	12,5	14,5	16,5	18,5	20,5	22,5
d_2	23	26	26.5	29	34	34
d_3	14,5	17	18	20	24	24
h	5	6	6,5	7	8	8
r	12	14	15	16	18	18

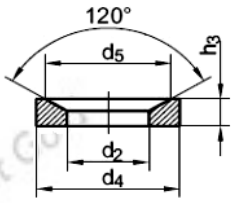
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6919C	-	-	Natur; Zincat	-
74361C	-	8; 10	Natur; Zincat;	-

©SMART INVEST GOLD SRL

Saiba conica
6.21 DIN 6319D

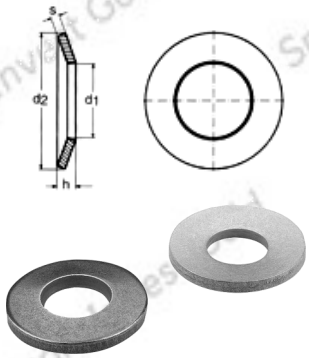




DIN 6319D -Saiba conica
(Conical seat)

Dimensiuni	7,1	9,6	12	14,2	19	23,2
d_4	12	17	21	24	30	36
d_5	11	14,5	18,5	20	26	31
h_3	2,8	3.5	4,2	5	6,2	7,5
Dimensiuni	**28**	**35**	**42**	**49**	**56**	
d_4	44	56	68	78	92	
d_5	37	49	60	70	82	
h_3	9,5	12	15	18	22	

Saiba conica tip arc
6.22 DIN 6796



DIN 6796 (STAS 11132; UNI 8836)
Saiba conica tip arc
(Conical spring washer for screwed connections)

Dimensiuni	M2	M2.5	M3	M3.5	M4	M5	M6	M7	M8	M10
d_1	2.2	2.7	3.2	3.7	4.3	5.3	6.4	7.4	8.4	10.5
d_2	5	6	7	8	9	11	14	17	18	23
$h_{max.}$	0.6	0.72	0.85	1 06	1.3	1.55	2	2.3	2.6	3.2
$h_{min.}$	0.5	0.61	0.72	0.92	1.12	1.35	1.7	2	2.24	2.8
S	0.4	0.5	0.6	0.8	1	1.2	1.5	1 75	2	2.5
w	0.05	0.09	0.14	0.25	0.38	0.69	1.43	2.53	3.13	6.45
Dimensiuni	**M12**	**M14**	**M16**	**M18**	**M20**	**M22**	**M24**	**M27**	**M30**	
d_1	13	15	17	19	21	23	25 .0	28	31	
d_2	29	35	39	42	45	49	56	60	70	
$h_{max.}$	3.95	4. 65	5.25	5.8	6.4	7.05	7.75	8.35	9.2	
$h_{min.}$	3.43	4.04	4.58	5.08	5.6	6.15	6.77	7.3	8	
S	3	3.5	4	4.5	5	55	6	6.5	7	
w	12.4	21.6	30.4	38.9	48.8	63.5	92.9	113	170	

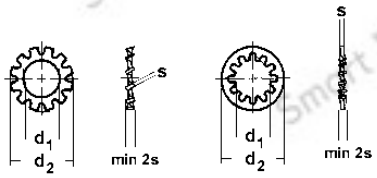
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6319D	-	-	Natur; Zincat	-
6796	-	-	Natur; Fosfatat	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Saibe cu dinti
6.23 DIN 6797A / DIN 6797J





DIN 6797A (STAS 10481; UNI 8841)
Saiba cu dinti exterior
(Lock washer external teeth)



DIN 6797J (STAS 10481; UNI 8841)
Saiba cu dinti interiori
(Lock washer internal teeth)

Dimensiuni	3.2	3.7	4.3	5.3	6.4	7.4
$d_{2\ form\ A/I}$	6	7	8	10	11	12.5
$d_{2\ type\ V}$	6	7	8	9.8	11.8	-
$S_{type\ A/I}$	0.4	0.5	0.5	0.6	0.7	0.8
$S_{type\ V}$	0.2	0.25	0.25	0.3	0.4	-
for thread ø	3	3.5	4	5	6	7
Dimensiuni	**8.4**	**10.5**	**12.5***	**13**	**15**	**17**
$d_{2\ form\ A/I}$	15	IS	20.5	20.5	24	26
$d_{2\ type\ V}$	15.3	19	23	23	-	-
$S_{type\ A/I}$	0.8	0.9	1	1	1	1.2
$S_{type\ V}$	0.4	0.5	0.5	0.5	-	-
for thread ø	8	10	12	12	14	16
Dimensiuni	**19**	**21**	**23**	**25**	**28**	**31**
$d_{2\ form\ A/I}$	30	33	36	38	44	48
$d_{2\ type\ V}$	-	-	-	-	-	-
$S_{type\ A/I}$	1.4	1.4	1.5	1.5	1.6	1.6
$S_{type\ V}$	-	-	-	-	-	-
for thread ø	13	20	22	24	27	30

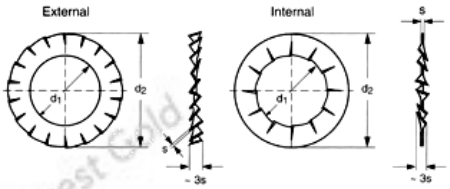
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6797A ; 6797J	-	-	Natur; Zincat; Zincat galben	INOX A2

©SMART INVEST GOLD SRL

Saibe cu crestaturi
6.24 DIN 6798A / DIN 6798J





DIN 6798A -Saiba cu crestaturi exterioare
(Serrated lock washer)



DIN 6798J -Saiba cu crestaturi interioare
(Serrated lock washer)

Dimensiuni	2.2	2.5*	2.7	3.2	3.7	4.3	5.3
$d_{2\ form\ A/I}$	4.5	5	5.5	6	7	8	10
$d_{2\ type\ V}$	-	-	-	6	7	8	9.8
$s_{type\ A/I}$	0.3	0.4	0.4	0.4	0.5	0.5	0.6
$s_{type\ V}$	-	-	-	0.2	0.25	0.25	0.3
for thread ø	2	2.3	2.5	3	3.5	4	5
Dimensiuni	**6.4**	**7.4**	**8.4**	**10.5**	**13**	**15**	**17**
$d_{2\ form\ A/I}$	11	12.5	15	18	20.5	24	26
$d_{2\ type\ V}$	11.8	-	15.3	19	23	-	-
$s_{type\ A/I}$	0.7	0.8	0.3	0.9	1	1	1.2
$s_{type\ V}$	0.4	-	0.4	0.5	0.5	-	-
for thread ø	6	7	e	10	12	14	16
Dimensiuni	**19**	**21**	**23**	**25**	**28**	**31**	
$d_{2\ form\ A/I}$	30	33	36	38	44	48	
$d_{2\ type\ V}$	-	-	-	-	-	-	
$s_{type\ A/I}$	1.4	14	1.5	1.5	1.6	1.6	
$s_{type\ V}$	-	-	-	-	-	-	
for thread ø	18	20	22	24	27	30	

SAIBE

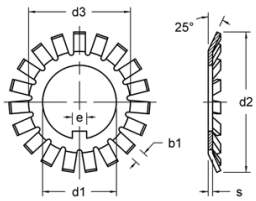
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6798A ; 6798J	-	-	Natur; Zincat; Zincat galben	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Saiba de siguranta pentru piulita crenelata
6.25 DIN 5406





DIN 5406 -Saiba de siguranta pentru piulita crenelata
(Lockwashers/safety plates)

Dimensiuni	MB 0	MB 1	MB 2	MB 3	MB 4	MB 5	MB 6	MB 7
d_1	10	12	15	17	20	25	30	35
d_2	21	25	28	32	36	42	49	57
e	3	3	4	4	4	5	5	6
f	8.5	10.5	13.5	15.5	18.5	23	27.5	32.5
b_1	3	3	4	4	4	5	5	5
s	1	1	1	1	1	1.25	1.25	1.25
pentru DIN 981	KM 0	KM 1	KM 2	KM 3	KM 4	KM 5	KM 6	KM 7
Dimensiuni	**MB 8**	**MB 9**	**MB 10**	**MB 11**	**MB 12**	**MB 13**	**MB 14**	**MB 15**
d_1	40	45	50	55	60	65	70	75
d_2	62	69	74	81	86	92	98	104
e	6	6	6	8	8	8	8	8
f	37.5	42.5	47.5	52.5	57.5	62.5	66.5	71.5
b_1	6	6	6	7	7	7	8	8
s	1.25	1.25	1.25	1.5	1.5	1.5	1.5	1.5
pentru DIN 981	KM 8	KM 9	KM 10	KM 11	KM 12	KM 13	KM 13	KM 15
Dimensiuni	**MB 16**	**MB 17**	**MB 18**	**MB 19**	**MB 20**	**MB 21**	**MB 22**	**MB 23**
d_1	80	85	90	95	100	105	110	115
d_2	112	119	126	133	142	145	154	159
e	10	10	10	10	12	12	12	12
f	76.5	81.5	86.5	91.5	96.5	100.5	105.5	110.5
b_1	8	8	10	10	10	12	12	12
s	1.75	1.75	1.75	1.75	1.75	1.75	1.75	2
pentru DIN 981	KM 16	KM 17	KM 18	KM 19	KM 20	KM 21	KM 22	KM 23
Dimensiuni	**MB 24**	**MB 25**	**MB 26**	**MB 27**	**MB 28**	**MB 29**	**MB 30**	
d_1	120	125	130	135	140	145	150	
d_2	164	170	175	185	192	202	205	
e	14	14	14	14	16	16	16	
f	115	120	125	130	135	140	145	
b_1	12	12	12	14	14	14	14	
s	2	2	2	2	2	2	2	
pentru DIN 981	KM 24	KM 25	KM 26	KM 27	KM 28	KM 29	KM 30	

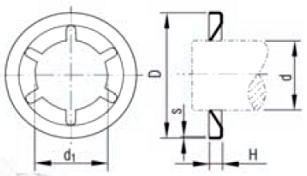
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
5406	-	-	Natur; Zincat	INOX A2

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

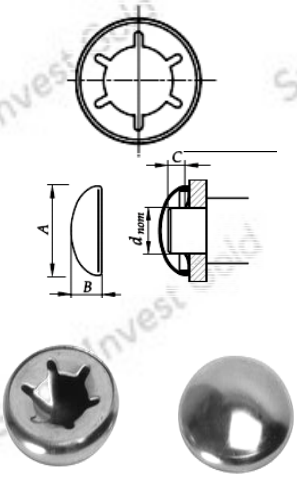
Saiba STAR LOCK
6.26





Saiba STAR LOCK
(Star lock washer)

Spindle-0 d* [mm]	Internal-0 D ±0.2 [mm]	Height H±0.2 [mm]	Material thickness S [mm]
1.5	9.7	1.3	0.2
2	9.7	1.3	0.2
3	9.7	1.3	0.2
4	11.5	1.3	0.2
5	11.5	1.3	0.2
6	15.3	1.3	0.25
7	15.3	1.3	0.25
8	15.3	1.3	0.25
9	18.4	1.9	0.3
10	18.4	1.9	0.3
11	18.4	1.9	0.3
12	25	2.3	0.4
13	25	2.3	0.4
14	28.2	2.3	0.4
15	28.2	2.3	0.4
16	28.2	2.3	0.4
17	28.2	2.3	0.4
18	36.6	3	0.4
19	36.6	3	0.4
20	36.6	3	0.4



Saiba Star Lock
(Star lock washer with cover)

Dimensiuni	4	5	6	7	8	9	10	11	12	13	14
A	11,8	11,8	15,8	15,8	15,8	19,5	19,5	19.5	26,7	26,7	26,7
B	4,2	4,2	5,7	5,8	5,7	7.1	7,1	7,1	9,4	9,4	9.4
C	3	3	4	4	4	4,5	4.5	4,5	6,0	6,0	6,0
Dimensiuni	**15**	**16**	**17**	**15**	**20**	**21**	**24**	**25**			
A	29,6	29.6	29.6	29,6	38,2	38,2	43	43			
B	97	9,7	9,7	9J	10	10	12,8	12,8			
C	6	6	6	6	6	6	7	7			

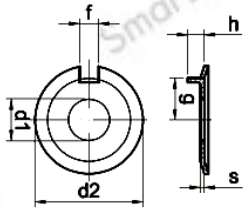
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
Star lock washer	-	-	Zincat	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Saiba cu crestatura exterioara
6.27 DIN 432





DIN 432 -Saiba cu crestatura exterioara
(External tap washer)

Dimensiuni	4.3	5.3	6.4	8.4	10.5	13	15	17
d_2	14	17	19	22	26	30	33	36
f	2.5	3.5	3.5	3.5	4.5	4.5	4.5	5.5
g	5.5	7	7.5	8.5	10	12	13	15
h	2	2.5	3	4	4	4.5	4.5	4.5
s	0.4	0.75	0.75	1	1	1.2	1.2	1.2
Dimensiuni	**19**	**21**	**23**	**25**	**28**	**31**	**34**	**37**
d_2	4O	42	50	50	58	63	68	75
f	6.5	6.5	7.5	7.5	8.5	8.5	9.5	11
g	18	18	20	21	23	25	28	31
h	4.5	4.5	6.5	6.5	9.5	9.5	9.5	9.5
s	1.2	1.6	1.6	1.6	1.6	1.6	1.6	2
Dimensiuni	**40**	**43**	**46**	**50**	**54**	**58**	**66**	
d_2	82	88	95	100	105	112	125	
f	11	11	13	13	13	16	18	
g	33	36	38	40	42	45	52	
h	11	11	12	13	13	14	13.5	
s	2	2	2	2	2	2.5	2.5	

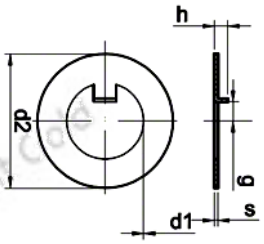
Informatii utile:

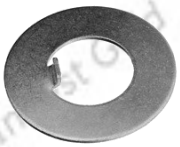
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
432	-	-	Natur; Zincat	INOX A2; INOX A4

©SMART INVEST GOLD SRL

Saiba cu crestatura interioara
6.28 DIN 462





DIN 462 (STAS 2241; ISO 1234; UNI 1747)
Saiba cu crestatura interioara
(Internal tab washer)

Dimensiuni	8	10	14	16	18	20	22	24	28	30
d_2	20	25	30	32	34	36	40	42	50	50
s	0.8	0.8	0.8	11	1	1	1	1	1	1.2
f	3	4	5	5	6	6	6	6	7	7
g	5.9	7.4	11.4	13.5	15.5	17.5	19.5	21.6	25.5	27.5
h	2.5	3	3	3	4	4	4	4	5	5
Dimensiuni	**32**	**35**	**38**	**40**	**42**	**45**	**48**	**50**	**52**	**55**
d_2	52	55	58	62	62	68	75	75	S 2	s:
s	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
f	7	7	8	8	8	8	8	8	10	10
g	29.6	32.6	35.5	37.3	39.3	42.4	45.4	47.4	49.3	52.3
h	5	5	5	5	5	5	5	5	6	6
Dimensiuni	**58**	**60**	**62**	**65**	**70**	**75**	**80**	**85**	**95**	**100**
d_2	90	90	95	95	100	110	115	120	135	145
s	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
f	10	10	10	10	10	10	10	10	12	12
g	55.3	57.3	59.3	62.4	67.4	71.9	76.9	81.9	91.8	96.9
h	6	6	6	6	6	7	7	7	8	8

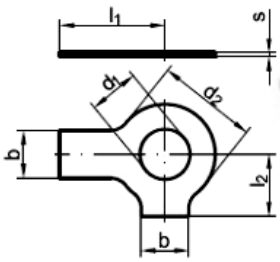
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
462	-	-	Natur; Zincat	-

© SMART INVEST GOLD SRL

Saiba de siguranta cu limba si aripa
6.29 DIN 463





DIN 463 (ISO 1234; STAS 2241)
Saiba de siguranta cu limba si aripa
(Tab washer with long tab and wing)

Dimensiuni	3.2	3.7	4.3	5.3	6.4	8.4	10.5	13
d_2	7	8	9	10	12.5	17	21	24
b	4	4	5	6	7	8	10	12
l_1	13	13	14	16	18	20	22	28
l_2	5	5.5	6.5	8	9	11	13	15
s	0,38	0,38	0,38	0,5	0,5	0,75	0,75	1
Dimensiuni	**15**	**17**	**19**	**21**	**23**	**25**	**28**	**31**
d_2	28	30	34	37	39	44	50	56
b	12	15	18	18	20	20	23	26
l_1	28	32	36	36	42	42	48	52
l_2	16	18	20	21	23	25	29	32
s	1	1	1	1	1	1	1,6	1,6
Dimensiuni	**34**	**37**	**40**	**43**	**46**	**50**	**54**	
d_2	60	66	72	78	85	92	98	
b	28	30	32	35	38	40	44	
l_1	56	60	64	70	75	80	85	
l_2	34	38	41	44	48	50	53	
s	1,6	1,6	1,6	1,6	1,6	1,6	1,6	

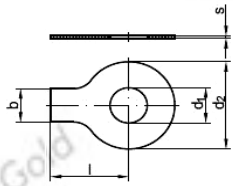
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
463	-	-	Natur; Zincat	INOX A2; INOX A4

©SMART INVEST GOLD SRL

Saiba de siguranta cu limba 6.30 DIN 93





DIN 93 -Saiba de siguranta cu limba
(Tab washer with long tab)

Dimensiuni	3.2	3.7	4.3	5.3	6.4	8.4	10.5	13
d_2	12	12	14	17	19	22	26	30
b	4	4		6	7	8	10	12
l	13	13	14	16	18	20	22	28
s	0.38	0.38	0.38	0.5	0.5	0.75	0.75	1
for inch thread Ø	3	3.5	4	5	6	8	10	12
Dimensiuni	**15**	**17**	**19**	**21**	**23**	**25**	**28**	**31**
d_2	33	36	40	42	50	50	58	63
b	12	15	18	18	20	20	23	26
l	28	32	36	36	42	42	48	52
s	1		1	1	1	1	1.6	1.6
for inch thread Ø	14	16	18	20	22	24	27	30
Dimensiuni	**34**	**37**	**40**	**43**	**46**	**50**	**54**	
d_2	68	75	82	88	95	100	105	
b	28	30	32	35	38	40	44	
l	56	60	64	70	75	80	85	
s	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
for inch thread Ø	33	36	39	42	45	48	52	

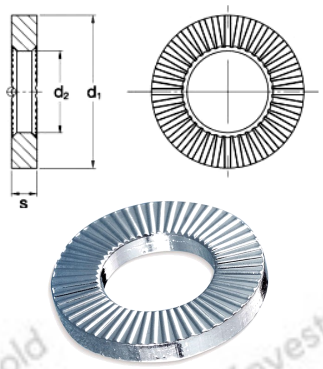
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
93	-	-	Natur; Zincat	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Saiba Ripp Lock
6.31



Saiba Ripp Lock
(Ripp Lock Washer)

Dimensiuni	M4	M5	M6	M8	M10
d_2	4.3	5.3	6.4	8.4	10.5
d_1	9	10	12	16	20
s	2	2	2	2.5	2.5
Dimensiuni	**M12**	**M14**	**M16**	**M20**	**M24**
d_2	12.5	14.5	16.5	20.5	24.5
d_1	24	28	30	37	44
s	3	3	4	4	5

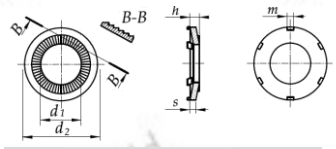
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
Saiba rip lock	-	-	-	INOX A2

©SMART INVEST GOLD SRL

Saiba de contact forma T
6.32

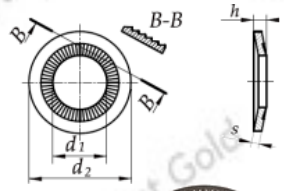




Saiba de contact forma T
(Conical knurled locking washer, toothed type)

Dimensiuni		3	4	5	6	8	10	12	14	16	20
Thread dia.		M3	M4	M5	M6	M8	M10	M12	M14	M16	M20
d_1	min	3,10	4.10	5.10	6.10	8,20	10.20	12,40	14,40	16,40	20,50
	max	3.35	4.40	5,40	6.40	8,56	10,56	12,83	14,83	16.83	21,02
d_2	min	5,80	7.80	9.80	11,80	15.80	19,75	23.75	23,75	31,70	39,70
	max	6,20	8.20	10,20	12,20	16,20	20.25	24,25	24,25	32,30	40,30
s	min	0.57	0,77	0.97	1,16	1,36	1,56	1,56	1,56	2,44	2.94
	max	0,63	0.83	1,03	1,24	1,44	1,64	1,64	1,64	2.56	3.06
h	min	0,80	1.00	1.25	1,50	1,95	2.15	2,15	2,05	3,50	4.20
	max	0,95	1,15	1,50	1,80	2,40	2.60	2,60	2,50	3,95	4.65
m	min	0,7	0,9	1.8	1,8	1,8	1,8	1,8	1,8	4,3	4,3
	max	0,9	1,1	2,2	2,2	2,2	2.2	2,2	2,2	4,7	4,7
Teeth qty		6	6	6	6	6	6	6	6	6	6

Saiba de contact forma M
6.33





Saiba de contact forma M
(Conical knurled locking washer)

Dimensiuni		3	4	5	6	8	10	12	14	16	20
Thread din		M3	M4	M5	M6	M8	M10	M12	M14	M16	M20
d_1	min	3,10	4,10	5,10	6,10	8,20	10,20	12,40	14,40	16,40	20,50
	max	3,35	4,40	5,40	6,40	8,56	10,56	12,83	14,83	16.83	21,02
d_2	min	7.71	9,71	11,65	13,65	17,65	21,58	26,58	29,58	31,50	39,50
	max	8,29	10,29	12,35	14,35	18,35	22,42	27,42	30,42	32,50	40,50
s	min	0,57	0,86	1,06	1,26	1,36	1,55	1,75	2,34	2,74	3,14
	max	0,63	0,94	1,14	1,34	1,44	1,65	1,85	2,46	2,86	3,26
it	min	0,80	1,15	1,45	1,75	1,90	2,25	2,60	3,20	3,60	4,30
	max	1,00	1,40	1,80	2,10	2.35	2.75	3,10	3,70	4,10	4.9

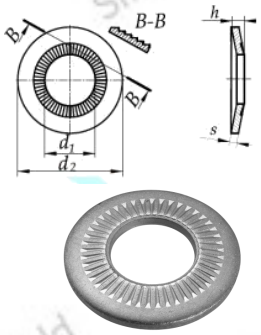
Informatii utile

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
Saiba de contact T	-	-	Natur; Zincat	INOX A2; INOX A4
Saiba de contact M	-	-	Natur; Zincat;	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

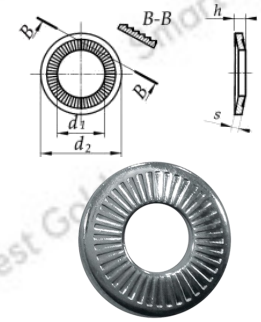
Saiba de contact forma L
6.34



Saiba de contact forma L
(Conical knurled locking washer)

Dimensiuni		3	4	5	6	8	10	12
Thread dia.		M3	M4	M5	M6	M8	M10	M12
d_1	min	3.10	4.10	5,10	6,10	8.20	10.20	12.40
	max	3.35	4.40	5.40	6.40	8,56	10.56	12.83
d_2	min	9.65	13,65	15,65	17,65	21.58	26.58	31.50
	max	10,35	14,35	16,35	18.35	22.42	27.42	32.50
s	min	0.57	0.96	1,16	1,36	1,55	1,75	1,75
	max	0.63	1.04	1.24	1,44	1,65	1.85	2,05
h	min	0.95	1.40	1.70	2,10	2,20	2,60	3,10
	max	1.20	1.80	2.10	2,50	2,70	3,10	3,60

Saiba de contact forma N
6.35



Saiba de contact forma N
(Conical knurled locking washer)

Dimenisuni		3	4	5	6	8	10	12
Thread dia.		M3	M4	M5	M6	M8	M10	M12
d_1	min	3.10	4,10	5,10	6,10	8,20	10.20	12,40
	max	3.35	4.40	5.40	6,40	8,56	10,56	12,83
d_2	min	5.76	7 71	9,71	11.65	15.65	19.58	23.58
	max	6,24	8.29	10,29	12.35	16.35	20.42	24,42
s	min	0,47	0.77	0,96	1.16	1,36	1.55	1,75
	max	0,53	0.83	1,04	1,24	1,44	1.65	1,85
h	min	0,70	1.00	1,25	1,55	1,80	2.10	2.40
	max	0,90	1.20	1,50	1,85	2,20	2.60	2,90

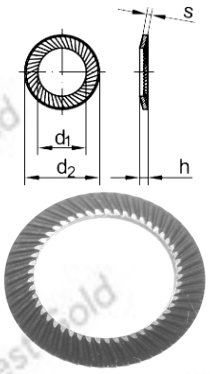
Informatii utile

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
Saiba de contact L	-	-	Natur; Zincat;	INOX A2; INOX A4
Saiba de contact N	-	-	Natur; Zincat;	INOX A2; INOX A4

©SMART INVEST GOLD SRL

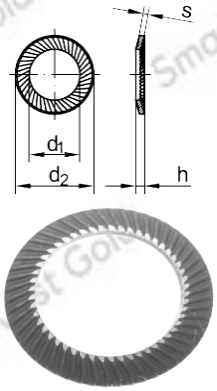
Saiba SCHNORR forma "VS"
6.36 DIN 88121



88121 -Saiba SCHNORR
Forma "VS"
(SCHNORR washer for type "VS")

Dimensiuni	5	6	8	10	12	14	16
d_1[1]	5.3	6.4	8.4	10.5	13	15	17
d_2	9	10	13	16	18	22	24
s	1	1	1.2	1.5	1.5	1.5	2
h	1.3	1.4	1.7	2	2.1	2.2	2.6
for inch thread Ø	3/16"	-	5/16"	3/8"	-	9/16"	5/8"
Dimensiuni	**18**	**20**	**22**	**24**	**27**	**30**	
d_1[1]	19	21	23	25.6	28.6	31.6	
d_2[2]	27	30	33	36	39	45	
s	2	2	2	2.5	2.5	2.5	
h	2.7	2.8	3	3.4	3.5	3.8	
for inch thread Ø	-	-	7/8"	-	-	11/8"	

Saiba SCHNORR forma "S"
6.37



Saiba SCHNORR
Forma "S"
(SCHNORR washer for type "S")

Dimensiuni	2	2.5	3	3.5	4	5	6
d_1	2.2	2.7	3.2	3.7	4.3	5.3	6.4
d_2	4	4.8	5.5	6	7	9	10
s	0.35	0.45	0.45	0.45	0.5	0.6	0.7
h	0.6	0.9	0.9	0.9	1	1.1	1.2
for inch thread Ø	-	-	1/8"	-	5/32"	3/16"	-
Dimensiuni	**7**	**8**	**10**	**12**	**14**	**16**	**18**
d_1	7.4	8.4	10.5	13	15	17	19
d_2	12	13	16	18	22	24	27
s	0.7	0.8	1	1.1	1.2	1.3	1.5
h	1.3	1.4	1.6	1.7	2	2.1	2.3
for inch thread Ø	-	5/16"	3/8"	-	9/16"	5/8"	-
Dimensiuni	**20**	**22**	**24**	**27**	**30**	**36**	
d_1	21	23	25.6	28.6	31.6	38	
d_2	30	33	36	39	45	54	
s	1.5	1.5	1.8	2	2	2.5	
h	2.5	2.7	2.9	3.1	3.6	4.2	
for inch thread Ø	-	7/8"	-	-	11/8"	1 3/8"	

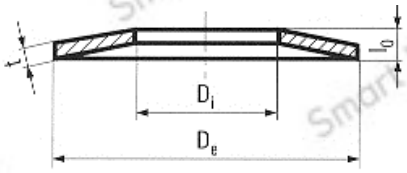
Informatii utile:

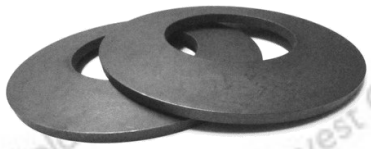
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.
- Exista doua tipuri de saibe Schnorr: VS si S

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
Saiba SCHNORR "VS"/ "S"	-	-	Natur	INOX A2

© SMART INVEST GOLD SRL

Arc disc
6.38 DIN 2093

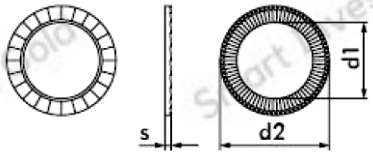




DIN 2093 (ISO 4017; STAS 4845; UNI 5739)
Arc disc (Spring disc)

De	Di	t	Io	De	Di	t	Io
8	4,2	0,4	0,6	35.5	18,3	2	2,8
10	5,2	0,5	0,75	40	20,4	2,25	3,15
12	6,2	0,7	1	45	22,4	2,5	3,5
14	7,2	0,8	1,1	50	25,4	3	4,1
16	8,2	0,9	1,25	56	28,5	3	4,3
18	9,2	1	1,4	63	31	3,5	4,9
20	10,2	1,1	1,55	71	36	4	5,6
22,5	11,2	1,25	1,75	80	41	5	6,7
25	12,2	1,5	2,05	90	46	5	7
28	14,2	1,5	2,15	100	51	6	8,2
31,5	16,3	1,75	2,45	112	57	6	8,5

Saiba Nord-lock
6.39 DIN 25201 / DIN 25201SP





DIN 25201 / 25201SP -Saiba Nord-lock
(Nord-lock washer)

Dimensiuni	M5	M6	M8	M10	M12	M14
d_1	5,4	6,5	8,7	10,7	13,0	15,2
$d_{2\ 25201/\ 25201SP}$	9/ 10.8	10.8/ 13.5	13.5/ 16,6	16.6/ 21,0	19.5/ 25,4	23/ 30,7
s	1,8	2,5	2,5	2,5	3,4	3,4
Dimensiuni	**M16**	**M18**	**M20**	**M24**	**M30**	**M33**
d_1	17	19,5	21,4	25,3	31,4	34,4
d_2	25.4/ 30,7	29/ 34,5	30.7/ 39	39/ 48,5	47 / 58,5	48.5/ 58,5
s	3,4	3,4	3,4	4,6	6,6	6,6

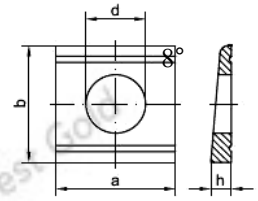
Informatii utile:

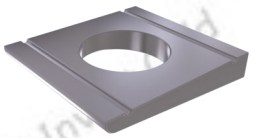
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
2093	-	-	Natur; Fosfatat	-
25201/SP	-	-	Natur; Zincat; Zincat termic	INOX A2

©SMART INVEST GOLD SRL

Saiba patrata pentru profil de tip U
6.40 DIN 434

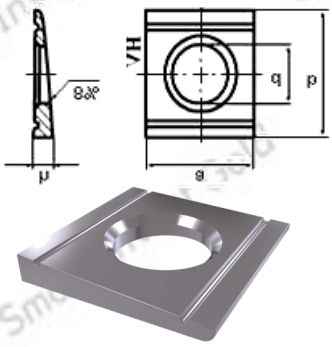




DIN 434 -Saiba patrata pentru profil tip "U"
(Square taper washer for U sections)

Dimensiuni		9	11	14	18	22	24	26	30
Thread dia.		M8	M10	M12	M16	M20	M22	M24	M27
d	min	9	11	14	18	22	24	26	30
	max	9.36	11,43	14,43	18,43	22.52	24.52	26,52	30.52
a	nom	22	22	26	32	40	44	56	56
	min	20	20	24	29.5	37.5	41.5	53	53
	max	24	24	28	34.5	42,5	46.5	59	59
b	nom	22	22	30	36	44	50	56	56
	min	21,35	21,35	29,35	35,20	43,20	49.2	55,05	55.05
	max	22,65	22,65	30,65	36,80	44.8	50.8	56,95	56,95
h	nom	3,8	3,8	4,9	5,9	7	8	8,5	8,5
	min	3,2	3.2	3,9	4,9	6	7	7,3	7,3
	max	4,4	4,4	5,9	6,9	8	9	9,7	9,7

Saiba patrata de inalta rezistenta profil tip "U"
6.41 DIN 6918



DIN 6918 -Saiba patrata de inalta rezistenta
profil tip "U"
(Square taper washer for "U" sections)

Dimensiuni	M12	M16	M20	M22
a	26	32	40	44
b	30	36	44	50
h	4,9	5,9	7	8
Dimensiuni	**M24**	**M27**	**M30**	**M36**
a	56	56	62	68
b	55	56	52	63
h	8.5	8,5	9	9,4

SAIBE

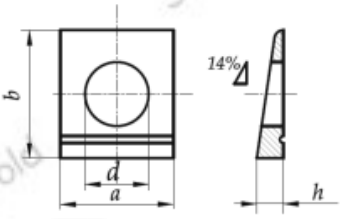
Informatii utile:

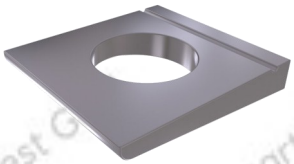
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
434	-	-	Natur; Zincat	INOX A2; INOX A4
6918	200HV	-	Zincat termic(HDG); Natur	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Saiba patrata pentru profil de tip I
6.42 DIN 435

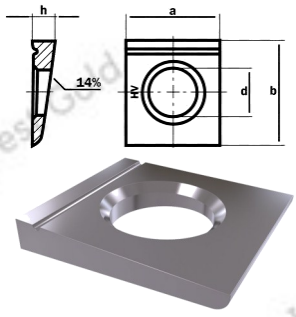




DIN 435 -Saiba patrata pentru profil de tip I
(Square taper washer for I sections)

Dimensiuni		9	11	14	18	22	24	26	30
Thread din		M8	M10	M12	M16	M20	M22	M24	M27
d	min	9	11	14	18	22	24	26	30
	max	9,36	11,43	14,43	18,43	22,52	24,52	26,52	30,52
a	nom	22	22	26	32	40	44	56	56
	min	20	20	24	29,5	37,5	41,5	53	53
	max	24	24	28	34,5	42,5	46,5	59	59
b	nom	22	22	30	36	44	50	56	56
	min	21,35	21,35	29,35	35,20	4320	49,20	55,05	55,05
	max	22.65	22,65	30,65	36,80	44,80	50,80	56,95	56.95
h	nom.	4,6	4.6	6,2	7,5	9,2	10	10,8	10,8
	min	3,6	3,6	5	6,3	8	8,8	9,3	9,3
	max	5,6	5,6	7,4	8,7	10,4	11,2	12,3	12,3
e		3,05	3,05	4,1	5	6,1	6,5	6,9	6,9

Saiba patrata de inalta rezistenta pentru profil tip I
6.43 DIN 6917



DIN 6917 -Saiba patrata de inalta rezistenta pentru profil tip I
(Square taper washer for I sections)

Dimensiuni	M 12	M16	M20	M22	M24	M27	M30	M36
a	26	32	40	44	56	56	62	68
b	30	36	44	50	56	56	62	68
h	6,2	7,5	9.2	10	10,8	10,8	11,7	12,5

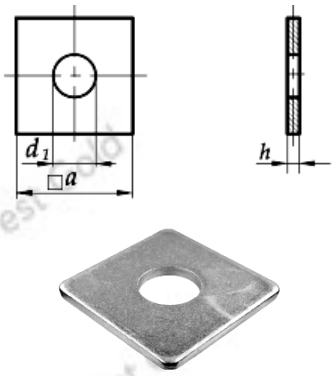
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
435	-	-	Natur; Zincat	INOX A2; INOX A4
6917	200 HV	-	Zincat termic(HDG); Natur	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Saiba patrata pentru lemn
4.41 DIN 436



Dimensiuni	M10	M12	M16	M20	M22	M 24	M27	M30
d_1	11	13.5	17.5	22	24	26	30	33
a/b	30	40	50	60	70	80	90	95
h	3	4	5	5	6	6	6	6
Dimensiuni	**M33**	**M36**	**M39**	**M42**	**M45**	**M48**	**M52**	
d_1	36	39	42	45	48	52	56	
a/b	100	110	125	135	140	150	160	
h	6	8	8	8	8	10	10	

DIN 436 -Saiba patrata pentru lemn
(Square washer for wood constructions)

SAIBE

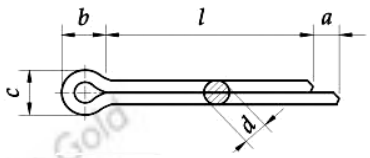
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
436	-	-	Natur; Zincat	INOX A2

© SMART INVEST GOLD SRL

Splint
7.1 DIN 94





DIN 94 -Splint
(Splint pin)

Nominal dimension			0.6	0.8	1	1.2	1.6	2	2.5	3.2
d_1	max		0.5	0.7	0.9	1.0	1.4	1.8	2.3	2.9
	min		0.4	0.6	0.8	0.9	1.3	1.7	2.1	2.7
a	max		1.6	1.6	1.6	2.5	2.5	2.5	2.50	3.2
	min		0.8	0.8	0.8	1.25	1.25	1.25	1.25	1.6
b			2	2.4	3	3	3.2	4	5	6.4
c	max		1.0	1.4	1.8	2.0	2.8	3.6	4.6	5.8
	min		0.9	1.2	1.6	1.7	2.4	3 2	4.0	5.1
Relevant diameters	bolts	above	-	2.5	3.5	4.5	5.5	7	9	11
		do up to	2.5	3.5	4.5	5.5	7	9	11	14
	shanks	above	-	2	3	4	5	6	8	9
		do up to	2	3	4	5	6	8	9	12
Nominal dimension			**4**	**5**	**6.3**	**8**	**10**	**13**	**16**	**20**
d_1	max		3.7	4.6	5.9	7.5	9.5	12.4	15.4	19.3
	min		3.5	4.4	5.7	7.3	9.3	12.1	15.1	19.0
a	max		4	4	4	4	6.3	6.30	6.30	6.30
	min		2	2	2	2	3.15	3.15	3.15	3.15
b			8	10	12.6	16	20	26	32	40
c	max		7.4	9.2	11.8	15	19.0	25.8	30.8	38.5
	min		6.5	8.0	10.3	13.1	16.6	21.7	27	33.8
Relevant diameters	bolts	above	14	20	27	39	56	80	120	170
		do up to	20	27	39	56	80	120	170	
	shanks	above	12	17	23	29	44	69	110	160
		do up to	17	23	29	44	69	110	160	_

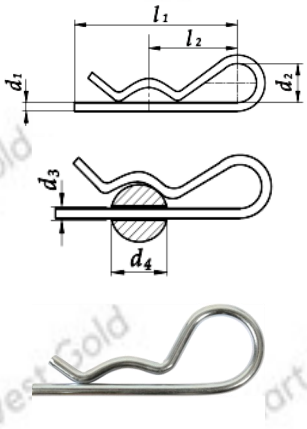
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
94	-	-	Natur; Zincat; Alama	INOX A4

©SMART INVEST GOLD SRL

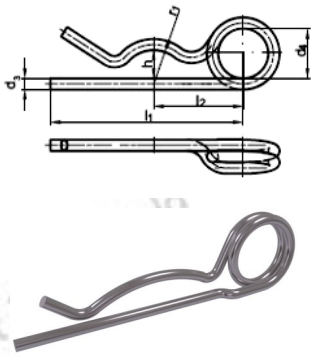
Splint (ac de siguranta) forma simpla
7.2 DIN 11024



Dimensiuni	2	3	4	5	6	7	8
d_1	2	3	4	5	6	7	8
d_2	10	18	20	24	30	30	28
l_1	50	60	60	85	105	105	110
l_2	25	28	30	40	50	50	55
d_3	2.5	3.5	4.5	6.0	7.0	8.0	9.0
d_4	9-14	10-16	16-20	20-28	28-40	2S-45	30-45

DIN 11024 -Splint (ac de siguranta) forma simpla
(Spring pins, single type)

Splint (ac de siguranta) forma dubla
7.3 DIN 11024



Dimensiuni	2	3	4	5	6	7	8
d_1	2	3	4	5	6	7	8
d_2	10	16	23	26	30	30	30
l_1	50	62	78	92	120	130	130
l_2	25	32	44	50	70	72	76
d_3	2.5	3.5	4.5	5.5	6.5	8.0	9
d_4	8-14	14-20	17-24	18-30	24-36	24-40	24-45

DIN 11024 -Splint (ac de siguranta) forma dubla
(Spring pins, double type)

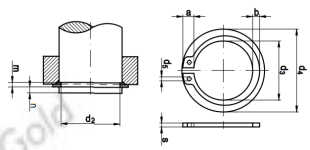
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
11024	-	-	Nature. Zincat	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Inel de siguranta pentru arbori
7.4 DIN 471





DIN 471 -Inel de siguranta pentru arbori
(Spring retaining ring)

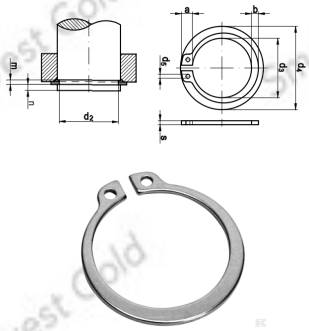
Dimensiuni	3	4	5	6	7	8	9	10	11	12
s	0.4	0.4	0.6	0.7	0.8	0.8	1	1	1	1
d_3	2.7	3.7	4.7	5.6	6.5	7.4	8.4	9.3	10.2	11
a	1.9	2.2	2.5	2.7	3.1	3.2	3.3	3.3	3.3	3.3
b	0.8	0.9	1.1	1.3	1.4	1.5	1.7	1.8	1.8	1.8
d_5	1	1	1	1.2	1.2	1.2	1.2	1.5	1.5	1.7
d_2	2.8	3.8	4.8	5.7	6.7	7.6	8.6	9.6	10.5	11.5
m	0.5	0.5	0.7	0.8	0.9	0.9	1.1	1.1	1.1	1.1
n	0.3	0.3	0.3	0.5	0.5	0.6	0.6	0.6	0.8	0.8
d_4	7	8.6	10.3	11.7	13.5	14.7	16	17	18	19
Dimensiuni	13	14	15	16	17	18	19	20	21	22
s	1	1	1	1	1	1.2	1.2	1.2	1.2	1.2
d_3	11.9	12.9	13.8	14.7	15.7	16.5	17.5	18.5	19.5	20.5
a	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4	4.1	4.2
b	2	2.1	2.2	2.2	2.3	2.4	2.5	2.6	2.7	2.8
d_5	1.7	1.7	1.7	1.7	1.7	2	2	2	2	2
d_2	12.4	13.4	14.3	15.2	16.2	17	18	19	20	21
m	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.3
n	0.9	0.9	1.1	1.2	1.2	1.5	1.5	1.5	1.5	1.5
d_4	20.2	21.4	22.6	23.8	25	26.2	27.2	28.4	29.6	30.8
Dimensiuni	23*	24	25	26	27*	28	29	30	31*	32
s	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5
d_3	21.5	22.2	23.2	24.2	24.9	25.9	26.9	27.9	28.6	29.6
a	4.3	4.4	4.4	4.5	4.6	4.7	4.8	5	5.1	5.2
b	2.9	3	3	3.1	3.1	3.2	3.4	3.5	3.5	3.6
d_5	2	2	2	2	2	2	2	2	2.5	2.5
d_2	22	22.9	23.9	24.9	25.6	26.6	27.6	28.6	29.3	30.3
m	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.6
n	1.5	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.6	2.6
d_4	-	33.2	34.2	35.5	-	37.9	39.1	40.5	-	43
Dimensiuni	33*	34	35	36	37*	38	39*	40	41*	42
s	1.5	1.5	1.5	1.75	1.75	1.75	1.75	1.75	1.75	1.75
d_3	30.5	31.5	32.2	33.2	34.2	35.2	36	36.5	37.5	38.5
a	5.2	5.4	5.6	5.6	5.7	5.8	5.9	6	6.2	6.5
b	3.7	3.8	3.9	4	4.1	4.2	4.3	4.4	4.5	4.5
d_5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
d_2	31.3	32.3	33	34	35	36	37	37.5	38.5	39.5
m	1.6	1.6	1.6	1.85	1.85	1.85	1.85	1.85	1.85	1.85
n	2.6	2.6	3	3	3	3	3	3.8	3.8	3.8
d_4	-	45.4	46.8	47.8	-	50.2	-	52.6	-	55.7

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
471	-	5.6; 5.8; 8.8	Natur	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL



DIN 471 -Inel de siguranta pentru arbori
(Spring retaining ring)

Dimensiuni	44*	45	46*	47*	48	50	52	54*	55	56
s	1.75	1.75	1.75	1.75	1.75	2	2	2	2	2
d_3	40.5	41.5	42.5	43.5	44.5	45.8	47.8	49.8	50.8	51.8
a	6.6	6.7	6.7	6.8	6.9	6.9	7	7.1	7.2	7.3
b	4.6	4.7	4.8	4.9	5	5.1	5.2	5.3	5.4	5.5
d_5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
d_2	41.5	42.5	43.5	44.5	45.5	47	49	51	52	53
m	1.85	1.85	1.85	1.85	1.85	2.15	2.15	2.15	2.15	2.15
n	3.8	3.8	3.8	3.8	3.8	4.5	4.5	4.5	4.5	4.5
d_4	-	59.1			62.5	64.5	66.7	-	70.2	71.6
Dimensiuni	**57***	**58**	**60**	**62**	**63**	**65**	**67***	**68**	**70**	**72**
s	2	2	2	2	2	2.5	2.5	2.5	2.5	2.5
d_3	52.8	53.8	55.8	57.8	58.8	60.8	62.5	63.5	65.5	67.5
a	7.3	7.3	7.4	7.5	7.6	7.8	7.9	8	8.1	8.2
b	5.5	5.6	5.8	6	6.2	6.3	6.4	6.5	6.6	6.8
d_5	2.5	2.5	2.5	2.5	2.5	3	3	3	3	3
d_2	54	55	57	59	60	62	64	65	67	69
m	2.15	2.15	2.15	2.15	2.15	2.65	2.65	2.65	2.65	2.65
n	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
d_4	-	73.6	75.6	77.8	79	81.4	-	84.8	87	89.2
Dimensiuni	**75**	**77***	**78**	**80**	**82**	**85**	**87***	**88**	**90**	**92***
s	2.5	2.5	2.5	2.5	2.5	3	3	3	3	3
d_3	70.5	72.5	73.5	74.5	76.5	79.5	81.5	82.5	84.5	86.5
a	8.4	8.5	8.6	8.6	8.7	8.7	8.8	8.8	8.8	9
b	7	7.2	7.3	7.4	7.6	7.8	7.9	8	8.2	8.4
d_5	3	3	3	3	3	3.5	3.5	3.5	3.5	3.5
d_2	72	74	75	76.5	78.5	81.5	83.5	84.5	86.5	88.5
m	2.65	2.65	2.65	2.65	2.65	3.15	3.15	3.15	3.15	3.15
n	4.5	4.5	4.5	5.3	5.3	5.3	5.3	5.3	5.3	5.3
d_4	92.7	-	96.1	98.1	100.3	103.3	-	106.5	108.5	-
Dimensiuni	**97***	**98***	**100**	**102***	**105**	**107***	**108***	**110**	**112***	**115**
s	3	3	3	4	4	4	4	4	4	4
d_3	91.5	91.5	94.5	95	98	100	100	103	105	108
a	9.4	9.4	9.6	9.7	9.9	10	10	10.1	103	10.6
b	8.8	8.8	9	9.2	9.3	9.5	9.5	9.6	9.7	9.8
d_5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
d_2	93.5	94.5	96.5	98	101	103	104	106	108	111
m	3.15	3.15	3.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15
n	5.3	5.3	5.3	6	6	6	6	6	6	6
d_4	-	-	120.2		125.8		-	131.2		137.3

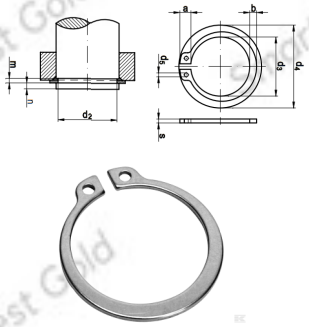
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
471	-	5.6; 5.8; 8.8	Natur	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL



DIN 471 -Inel de siguranta pentru arbori
(Spring retaining ring)

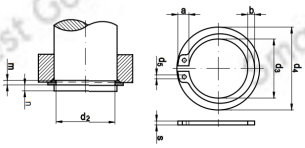
Dimensiuni	117*	118*	120	122*	125	127*	128*	130	132*	135
s	4	4	4	4	4	4	4	4	4	4
d_3	110	110	113	115	118	120	120	123	125	128
a	10.8	10.8	11	11.2	11.4	11.4	11.4	11.6	11.7	11.8
b	10	10	10.2	10.3	10.4	10.5	10.5	10.7	10.8	11
d_5	3.5	3.5	3.5	4	4	4	4	4	4	4
d_2	113	114	116	118	121	123	124	126	128	131
m	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15
n	6	6	6	6	6	6	6	6	6	6
d_4			143.1	-	149	-	-	154.4		159.8
Dimensiuni	**137***	**138***	**140**	**142***	**145**	**147***	**148***	**150**	**155**	**160**
s	4	4	4	4	4	4	4	4	4	4
d_3	130	130	133	135	138	140	140	142	146	151
a	11.9	11.9	12	12.1	12.2	12.3	12.3	13	13	13.3
b	11	11	11.2	11.3	11.5	11.6	11.6	11.8	12	12.2
d_5	4	4	4	4	4	4	4	4	4	4
d_2	133	134	136	138	141	143	144	145	150	155
m	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15
n	6	6	6	6	6	6	6	7.5	7.5	7.5
d_4	-	-	165.2	-	170.6	-	-	177.3	182.3	188
Dimensiuni	**165**	**168***	**170**	**175**	**180**	**185**	**190**	**195**	**200**	**210**
s	4	4	4	4	lt	'.	4	4	4	5
d_3	155.5	157.5	160.5	165.5	170.5	175.5	180.5	185.5	190.5	198
a	13.5	13.5	13.5	13.5	14.2	14.2	14.2	14.2	14.2	14.2
b	12.5	12.9	12.9	12.9	13.5	13.5	14	14	14	14
d_5	4	4	4	4	lt	4	4	4	4	4
d_2	160	163	165	170	175	180	185	190	195	204
m	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	5.15
n	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	9
d_4	193.4	-	198.4	203.U	210	215	220	225	230	240
Dimensiuni	**215***	**220**	**230**	**240**	**250**	**255***	**260**	**270**	**280**	**290**
s	5	5	5	5	5	5	5	5	5	5
d_3	203	208	218	228	238	240	245	255	265	275
a	14.2	14.2	14.2	14.2	14.2	16.2	16.2	16.2	16.2	16.2
b	14	14	14	14	14	16	16	16	16	16
d_5	4	4	4	4	4	5	5	5	5	5
d_2	209	214	224	234	244	247	252	262	272	282
m	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15
n	9	9	9	9	9	12	12	12	12	12
d_4	-	250	260	270	280	-	294	304	314	324

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
471	-	5.6; 5.8; 8.8	Natur	INOX A2; INOX A4

©SMART INVEST GOLD SRL





DIN 471 -Inel de siguranta pentru arbori
(Spring retaining ring)

Dimensiuni	15	16	20	25	30	35
s	1.5	1.5	1.75	2	2	2.5
d_3	13.8	14.7	1S.5	23.2	27.9	32.2
a	4.8	5	5.5	6.4	6.5	6.7
b	2.4	2.5	3	3.4	4.1	4.2
d_5	2	2	2	2	2	2.5
d_2	14.3	15.2	19	23.9	28.6	33
m	1.6	1.6	1.85	2.15	2.15	2.65
n	1.1	1.2	1.5	1.7	2.1	3
d_4	25.1	26.5	31.6	38.5	43.7	49.1
Dimensiuni	**40**	**45**	**50**	**55**	**60**	
s	2.5	2.5	3	3	3	
d_3	36.5	41.5	45.8	50.8	55.8	
a	7	7.5	8	8.5	9	
b	4.4	4.7	5.1	5.4	5.8	
d_5	2.5	2.5	2.5	2.5	2.5	
d_2	37.5	42.5	47	52	57	
m	2.65	2.65	3.15	3.15	3.15	
n	3.8	3.8	4.5	4.5	4.5	
d_4	54.7	60.8	66.8	72.9	78.9	

Informatii utile:

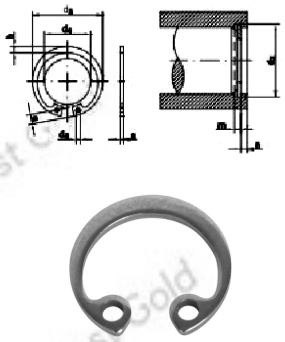
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
471	-	5.6; 5.8; 8.8	Natur	INOX A2; INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

Inel de siguranta pentru alezaje
7.5 DIN 472



DIN 472 -Inel de siguranta pentru alezaje
(Spring retaining ring)

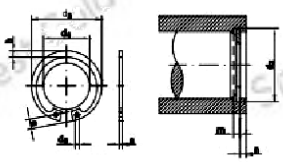
Dimensiuni	8	9	10	11	12	13	14	15	16	17
s	0.8	0.8	1	1	1	1	1	1	1	1
d_3	8.7	9.8	10.8	11.8	13	14.1	15.1	16.2	17.3	18.3
a	2.4	2.5	3.2	3.3	3.4	3.6	3.7	3.7	3.8	3.9
b	1.1	1.3	1.4	1.5	1.7	1.8	1.9	2	2	2.1
d_5	1	1	1.2	1.2	1.5	1.5	1.7	1.7	1.7	1.7
d_2	8.4	9.4	10.4	11.4	12.5	13.6	14.6	15.7	16.8	17.8
m	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
n	0.6	0.6	0.6	0.6	0.8	0.9	0.9	1.1	1.2	1.2
d_4	3	3.7	3.3	4.1	4.9	5.4	6.2	7.2	8	8.8
Dimensiuni	**18**	**19**	**20**	**21**	**22**	**23***	**24**	**25**	**26**	**27***
s	1	1	1	1	1	1.2	1.2	1.2	1.2	1.2
d_3	19.5	20.5	21.5	22.5	23.5	24.6	25.9	26.9	27.9	29.1
a	4.1	4.1	4.2	4.2	4.2	4.2	4.4	4.5	4.7	4.7
b	2.2	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9
d_5	2	2	2	2	2	2	2	2		2
d_2	19	20	21	22	23	24.1	25.2	26.2	27.2	28.4
m	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.3
n	1.5	1.5	1.5	1.5	1.5	1.7	1.8	1.8	1.8	2.1
d_4	9.4	10.4	11.2	12.2	13.2	-	14.8	15.5	16.1	-
Dimensiuni	**28**	**29***	**30**	**31**	**32**	**33***	**34**	**35**	**36**	**37**
s	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5
d_3	30.1	31.1	32.1	33.4	34.4	35 5	36 5	37 8	38 8	3Q 8
a	4.8	4.8	4.8	5.2	5.4	5.4	5.4	5.4	5.4	5.5
b	2.9	3	3	3.2	3.2	3.3	3.3	3.4	3.5	3.6
d_5	2	2	2	2.5	2.5	2.5	2.5	2.5	2.5	2.5
d_2	29.4	30.4	31.4	32.7	33.7	34.7	35.7	37	38	39
m	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.6
n	2.1	2.1	2.1	2.6	2.6	2.6	2.6	3	3	3
d_4	17.9	-	19.9	20	20.6	-	22.6	23.6	24.6	25.4

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
472	-	-	Natur; Fosfatat; Zincat termic (HDG)	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL





DIN 472 -Inel de siguranta pentru alezaje
(Spring retaining ring)

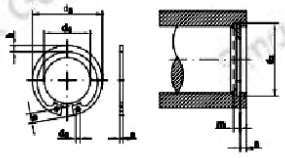
Dimenisuni	38	39*	40	41*	42	44*	45	46*	47	48
s	1.5	1.5	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
d_3	40 8	4?	43.5	44.5	45.5	47.5	48.5	49.5	50.5	51.5
a	5.5	5.6	5.8	5.9	5.9	6	6.2	6.3	6.4	6.4
b	3.7	3.8	3.9	4	4.1	4.2	4.3	4.4	4.4	4.5
d_5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
d_2	40	41	42.5	43.5	44.5	46.5	47.5	48.5	49.5	50.5
m	1.6	1.6	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
n	3	3	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
d_4	26.4	-	27.8	-	29.6	-	32	-	33.5	34.5
Dimensiuni	**50**	**SI***	**52**	**53***	**54***	**55**	**56**	**57***	**58**	**60**
s	2	2	2	2	2	2	2	2	2	2
d_3	54.2	55.2	56.2	57.2	58.2	59.2	60.2	61.2	62.2	64.2
a	6.5	6.5	6.7	6.7	6.7	6.8	6.8	6.8	6.9	7.3
b	4.6	4.7	4.7	4.9	5	5	5.1	5.1	5.2	5.4
d_5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
d_2	53	54	55	56	57	58	59	60	61	63
m	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
n	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
d_4	36.3	-	37.9	-	-	40.7	41.7	-	43.5	44.7
Dimenisuni	**62**	**63**	**64***	**65**	**67***	**68**	**70**	**72**	**75**	**77***
s	2	2	2	2.5	2.5	2.5	2.5	2.5	2.5	2.5
d_3	66.2	67.2	68.2	69.2	71.5	72.5	74.5	76.5	79.5	82.5
a	7.3	7.3	7.4	7.6	7.7	7.8	7.8	7.8	7.8	8.5
b	5.5	5.6	5.7	5.8	6	6.1	6.2	6.4	6.6	6.8
d_5	2.5	2.5	2.5	3	3	3	3	3	3	3
d_2	65	66	67	68	70	71	73	75	78	80
m	2.15	2.15	2.15	2.65	2.65	2.65	2.65	2.65	2.65	2.65
n	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
d_4	46.7	47.7	-	49	-	51.6	53.6	55.6	58.6	-

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
472	-	-	Natur; Fosfatat; Zincat termic (HDG)	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com





DIN 472 -Inel de siguranta pentru alezaje
(Spring retaining ring)

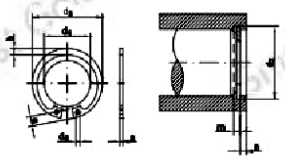
Dimenisuni	78	80	82	85	88	90	92	95	97*	98
s	2.5	2.5	2.5	3	3	3	3	3	3	3
d_3	82.5	85.5	87.5	90.5	93.5	95.5	97.5	100.5	103.5	103.5
a	8.5	8.5	8.5	8.6	8.6	8.6	8.7	8.8	9	9
b	6.8	7	7	7.2	7.4	7.6	7.8	8.1	8.3	8.3
d_5	3	3	3	3.5	3.5	3.5	3.5	3.5	3.5	3.5
d_2	81	83.5	85.5	88.5	91.5	93.5	95.5	98.5	100.5	101.5
m	2.65	2.65	2.65	3.15	3.15	3.15	3.15	3.15	3.15	3.15
n	4.5	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
d_4	60.1	62.1	64.1	66.9	69.9	71.9	73.7	76.5	-	79
Dimensiuni	**100**	**102**	**105**	**108**	**110**	**112**	**115**	**118***	**120**	**122***
s	3	4	4	4	4	4	4	4	4	k
d_3	105.5	108	112	115	117	119	122	125	127	129
a	9.2	9.5	9.5	9.5	10.4	10.5	10.5	10.7	11	11
b	8.4	8.5	8.7	8.9	9	9.1	9.3	9.6	9.7	9.8
d_5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	l
d_2	103.5	106	109	112	114	116	119	122	124	126
m	3.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15
n	5.3	6	6	6	6	6	6	6	6	6
d_4	80.6	82	85	88	88.2	90	93	-	96.9	-
Dimensiuni	**125**	**128***	**130**	**132***	**135**	**138***	**140**	**142***	**145**	**148***
s	4	4	4	4	4	4	4	4	4	4
d_3	132	135	137	139	142	145	147	149	152	155
a	11	11	11	11	11.2	11.2	11.2	11.3	11.4	11.8
b	10	10.2	10.2	10.3	10.5	10.6	10.7	10.8	10.9	11.1
d_5	4	4	4	4	4	4	4	4	4	4
d_2	129	132	134	136	139	142	144	146	149	152
m	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15
n	6	6	6	6	6	6	6	6	6	6
d_4	101.9	-	106.9	-	111.5	-	116.5	-	121	-

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
472	-	-	Natur; Fosfatat; Zincat termic (HDG)	-

©SMART INVEST GOLD SRL





DIN 472 -Inel de siguranta pentru alezaje
(Spring retaining ring)

Dimensiuni	150	152*	155	160	165	168*	170	175	180	185
s	4	4	4	4	4	4	4	4	4	4
d_3	158	161	164	169	174.5	177.5	179.5	184.5	189.5	194.5
a	12	12	12	13	13	13.5	13.5	13.5	14.2	14.2
b	11.2	11.3	11.4	11.6	11.8	12.1	12.2	12.7	13.2	13.7
d_5	4	4	4	4	4	4	4	4	4	4
d_2	155	157	160	165	170	173	175	180	185	190
m	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15
n	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
d_4	124.8	-	129.8	132.7	137.7	-	141.6	146.6	150.2	155.2
Dimensiuni	**190**	**195**	**200**	**205***	**210**	**215***	**220**	**225***	**230**	**240**
s	4	4	4	5	5	5	5	5	5	5
d_3	199.5	204.5	209.5	217	222	227	232	237	242	252
a	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
b	13.8	13.8	14	14	14	14	14	14	14	14
d_5	4	4	4	4	4	4	4	4	4	4
d_2	195	200	205	211	216	221	226	231	236	246
m	4.15	4.15	4.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15
n	7.5	7.5	7.5	9	9	9	9	9	9	9
d_4	160.2	165.2	170.2	-	180.2	-	190.2	-	200.2	210.2
Dimensiuni	**245***	**250**	**255***	**260**	**265***	**270**	**275***	**280**	**285***	**290**
s	5	5	5	5	5	5	5	5	5	5
d_3	257	262	270	275	280	285	290	295	300	305
a	14.2	14.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
b	14	14	16	16	16	16	16	16	16	16
d_5	4	4	5	5	5	5	5	5	5	5
d_2	251	256	263	268	273	278	283	288	293	298
m	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15
n	9	9	12	12	12	12	12	12	12	12
d_4	-	220.2	-	226	-	236	-	2k6	-	256
Dimensiuni	**295***	**300**	**310***	**320***	**340***	**360'**				
s	5	5	6	6	6	6				
d_3	310	315	327	337	357	377				
a	16.2	16.2	-	-	-	-				
b	16	16	20	20	20	20				
d_5	5	5	6	6	6	6				
d_2	303	308	320	330	350	370				
m	5.15	5.15	3.2	6.2	6.2	6.2				
n	12	12	15	15	15	15				
d_4	-	266	-	-	-	-				

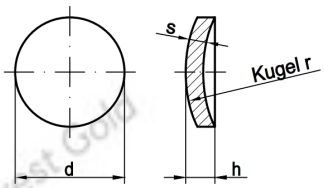
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
472	-	-	Natur; Fosfatat; Zincat termic (HDG)	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Garnitura de etansare
7.6 DIN 470

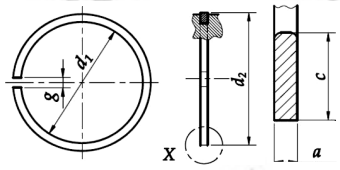




DIN 470 -Garnitura de etansare
(Sealing disc)

Dimensiuni	6	8	10	12	14	16	18	20	22	25
h	1.67	1.94	2.67	2.77	2.94	3.11	3.28	3.45	4.09	4.38
r	7	9	12	16	19	22	25	28	30	34
s	1	1	1.6	1.6	1.6	1.6	1.6	1.6	2	2
Dimensiuni	28	30	32	34	36	38	40	42	45	48
h	4.53	4.77	4.95	4.11	5.36	5.6	5.7	5.8	6.15	6.38
r	40	42	45	48	50	52	56	60	63	69
s	2	2	2	2	2	2	2	2	2	2
Dimensiuni	50	52	60	63	80	100	125			
h	6.62	6.66	7.47	7.7	10.41	12.23	14.2			
r	70	75	85	90	112	140	180			
s	2	2	2	2	3	3	3			

Inel de fixare
7.7 DIN 5417





DIN 5417 -Inel de fixare
(Snap ring for bearing with ring groove)

Symbol		SP 30	SP 32	SP 35	SP 37	SP 40	SP 42	SP44	SP47	SP50
a 0 -0.10		1,12								
c 0 -0.15								3,25	4,04	
Unstressed	d_1	27,4	29,4	32,4	34	37,3	38,9	40,9	43,7	46,7
		+0,4 0					0.5			
	g ≈	3							4	
Stressed	d_2 max	34,7	36,7	39,7	41,3	44,6	46,3	48,3	52,7	55,7
Dimension of the ring groves acc. to DIN 616	D	30	32	35	37	40	42	44	47	50
	D_1	28,17	30,15	33,17	34,77	38,10	39,75	41,75	44.6	47,60

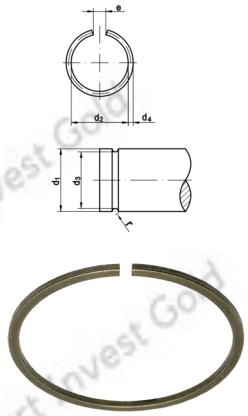
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
470	-	-	Natur	-
5417	-	-	-	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Inel de siguranta
7.8 DIN 7993A / 7993B



DIN 7993A -Inel de siguranta
(Snap ring for shafts)

Dimensiuni	4	5	6	7	8	10	12	16	18
d_2	3.1	4.1	5.1	6.1	7.1	9.1	10.8	14.2	16.2
d_4	0.8	0.8	0.8	0.8	0.8	0.8	1	1.6	1.6
e	1	1	1	2	2	2	3	3	3
for shafts ø d_1	4	5	6	7	8	10	12	16	18
ø d_3	3.2	4.2	5.2	6.2	7.2	9.2	11	14.4	16.4
r	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.9	0.9
Dimensiuni	**20**	**22**	**25**	**26**	**28**	**30**	**35**	**38**	**40**
d_2	17.7	19.7	22.7	23.7	25.7	27.7	32.1	35.1	37.1
d_4	2	2	2	2	2	2	2.5	2.5	2.5
e	3	3	3	3	3	3	4	4	4
for shafts ø d_1	20	22	25	26	28	30	35	38	40
ø d3	18	20	23	24	26	28	32.5	35.5	37.5
r	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.4
Dimensiuni	**45**	**48**	**50**	**55**	**60**	**65**	**70**		
d_2	42	45	47	51.1	56.1	61.1	66		
d_4	2.5	2.5	2.5	3.2	3.2	3.2	3.2		
e	4	4	4	4	4	4	5		
for shafts ø d_1	45	48	50	55	60	65	70		
ø d_3	42.5	45.5	47.5	51.8	56.8	61.8	66.8		
r	1.4	1.4	1.4	1.8	1.8	1.8	1.8		



DIN 7993B -Inel de siguranta
(Snap ring for bores)

Dimensiuni	7	8	10	12	16	18
d_4	0.8	0.8	0.8	1	1.6	1.6
d_5	7.9	8.9	10.9	13.2	17.8	19.8
e	4	4	4	6	8	8
drilling ø d_1	7	8	10	12	16	18
ø d_6	7.8	8.8	10.8	13	17.6	19.6
r	0.5	0.5	0.5	0.6	0.9	0.9

Informatii utile:

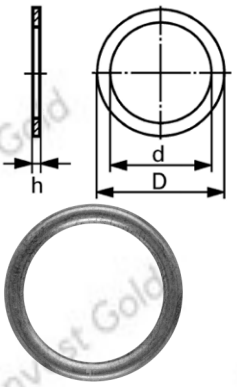
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7993A	-	-	Natur	-
7993B	-	-	Natur	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

Inel de etansare
7.9 DIN 7603



DIN 7603 -Inel de etansare
(Flat sealing ring)

Dimensiuni	4x8	5x7.5	5x9*	6x10*	6.5x9.5	6.5x11	8x11.5	8x12*
d_1	4.2	5.2	5.2	6.2	6.7	6.7	8.2	8.2
d_2	7.9	7.4	8.9	9.9	9.4	10.9	11.4	11.9
h	1	1	1	1	1	1	1	1/1.5
Dimensiuni	**8x14**	**10x13.5**	**10x14***	**10x15***	**10x16**	**10x18**	**12x15.5**	**12x16**
d_1	8.2	10.2	10.2	10.2	10.2	10.2	12.2	12.2
d_2	13.9	13.4	13.4	14.9	15.9	17.9	15.4	15.9
h	1	1	1	1	1	1.5	1.5	1.5
Dimensiuni	**12x17***	**12x18***	**13x18***	**14x18**	**14x20**	**15x19**	**16x20**	**16x22**
d_1	12.2	12.2	13.2	14.2	14.2	15.2	16.2	16.2
d_2	16.9	17.9	17.9	17.9	19.9	18.9	19.9	21.9
h	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Dimensiuni	**17x21**	**17x23***	**18x22**	**18x24**	**20x24**	**20x26**	**21x26**	**22x27**
d_1	17.2	17.2	18.2	18	20.2	20	21.2	22.2
d_2	20.9	22.9	21.9	24	23.9	26	25.9	26.9
h	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Dimensiuni	**22x29***	**23x28**	**24x29**	**24x32**	**26x31**	**26x34***	**27x32**	**28x33**
d_1	22.2	23.3	24.3	24.3	26.3	26.3	27.3	28.3
d_2	28.9	27.9	28.9	31.9	30.9	33.9	31.9	32.9
h	1.5	2	2	2	2	2	2	2
Dimensiuni	**30x36**	**32x38**	**33x38**	**34x41***	**36x42**	**38x44**	**42x49**	**45x52**
d_1	30.3	32.3	33.3	33.3	36.3	38.3	42.3	45.3
d_2	35.9	37.9	37.9	40.9	41.9	43.9	48.9	51.9
h	2	2	2	2	2	2	2	2
Dimensiuni	**48x55***	**60x68***						
d_1	48.3	60.5						
d_2	54.9	67.8						
h	2	2.5						

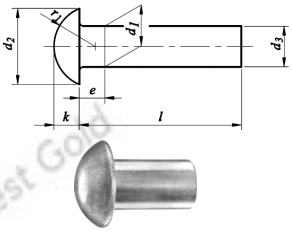
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7603	-	-	Natur	-

©SMART INVEST GOLD SRL

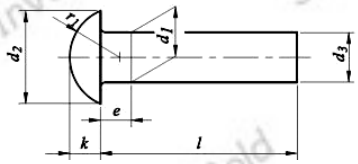
Nit cu cap bombat uzual
7.10 DIN 660



DIN 660 -Nit cu cap bombat uzual
(Round head rivets)

d_1	nom.	1	1.2	(1.4)	1.6	2	2.5	3	(3.5)	4
	deviation	±0.05								±0.1
d_2	nom.	1.8	2.1	2.4	2.8	3.5	4.4	5.2	6.2	7
	Tol.	h14				h15				
d_3 min		0.93	1.13	1.33	1.52	1.87	2.37	2.87	3.37	3.87
emax		0.5	0.6	0.7	0.8	1	1.25	1.5	1.75	2
k js14		0.6	0.7	0.8	1	1.2	1.5	1.8	2.1	2.4
r1 ~		1	1.2	1.4	1.6	1.9	2.4	2.8	3.4	3.8
d_1	nom.	5	6	(7)	8					
	deviation	±0.15								
d_2	nom.	8,8	10,5	12,2	14					
	tol.	h15								
d_3 min		4,82	5,82	6,82	7.76					
e max		2,5	3	3.5	4					
k js14		3	3.6	4,2	4,8					
r_1 ≈		4.6	5.7	6.6	7.5					

Nit cu cap bombat
7.11 DIN 124





DIN 124 -Nit cu cap bombat
(Round head rivets)

d_1	num.	10	12	(14)	16	(18)	20	(22)	24	-27
	deviation	±0.2							±0,3	
d_2 hi 6		16	19	22	25	28	32	36	40	43
d_3 min		9,4	11.3	13,2	152	17,1	19,1	20.9	22.9	25,8
k +IT16		6,5	7,5	9	10	11,5	13	14	16	17
emax		5	6	7	8	9	10	11	12	13,5
r_1 ≈		8	9,5	11	13	14,5	16,5	18,5	20.5	22
d_1	nam.	30	33	36						
	deviation	±0.3								
d_2 hi 6		48	53	58						
d_3 min		28.6	31,6	34,6						
k +IT16		19	21	23						
emax		15	16,5	18						
r_1 ≈			27	30						

Informatii utile:

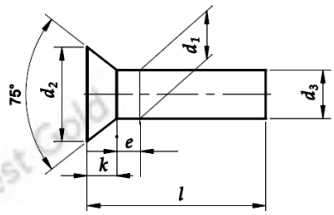
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
660 / 124	-	-	Zincat; Alama	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

Nit cu cap inecat
7.12 DIN 661



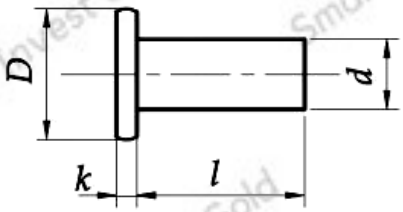


DIN 661 -Nit cu cap inecat
(Countersunk head rivets)

d_1	nom.	1	1,2	(1.4)	1,6	2	2,5	3	(3,5)	4
	deviation	± 0,05				±0,1				
d_2	nom.	1,8	2,1	2,5	2,8	3,5	4,4	5,2	6,3	7
	tol	h14							h15	
d_3 min		0,93	1,13	1,33	1,52	1,87	2,37	2,87	3,37	3,87
e max		0,5	0,6	0,7	0,8	1	1,25	1,5	1,75	2
k ≈		0,5	0,6	0,7	0,8	1	1,2	1,4	1,8	2

d_1	nom.	5	6	(7)	8
	deviation	± 0,15			
d_2	nom.	8,8	10,5	12,2	14
	tol	h15			
d_3 min		4,82	5,82	6,82	7,76
e max		2,5	3	3,5	4
k ≈		2,5	3	3,5	4

Nit cu cap cilindric
7.13 AN 78





AN 78 -Nit cu cap cilindric
(Flat head rivets)

Dimensiuni	4	5	6	8
D	8	9.5	11	14
k	1,0	1	1.5	2,0

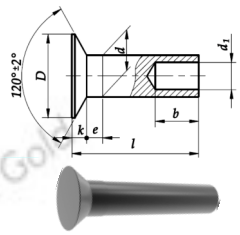
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
661	-	-	Alama	-
AN 78	-	-	-	-

©SMART INVEST GOLD SRL

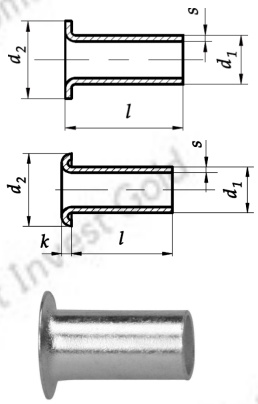
7.14 Nit semitubular cu cap inecat



Nit semitubular cu cap inecat
(Countersunk head semi-tubular rivets)

Dimensiuni	2	3	4	-4.5	5	6	8
D	4	6	8	9	10	12	14
k	0.7	1	1.3	1.5	1.7	2	2.5
d_1	1.2	2	2.8	3.2	3.5	4.4	6
h	2.5	3.5	4	5	5	6	8
e	1	1.5	2	2.5	2.5	3	4

Nit tubular
7.15 DIN 7340



DIN 7340 -Nit tubular
(Tubular rivets cut from the tub)

d_1	nom.	1	1.2	1.5		2		2.5			3		
	limit devianions	±0.03					±0.05						
s	±10%	0.2			0.25	0.2	0.3	0.25	0.3	0.4	0.25	0.3	0.5
d_2	nom	1.6	2	2.5		3.2		4			4.5		
	limit devianions	±0.15				±0.2					±0.2		
k ~		0.25	0.3	0.35	0.4	0.4	0.45	0.4	0.5	0.6	0.5	0.5	0.6
d_1	nom.	4			5			6			8		
	limit devianions	±0.07									±0.01		
s	±10%	0.3	0.4	0.5	0.3	0.5	0.75	0.4	0.5	0.75	1	0.4	0.5
d_2	nom.	6			7.5			9			12		
	limit devianions	±0.25									±0.3		
k ~		0.65	0.7	0.8	0.75	0.9	1	0.95	1	1.1	1.3	1.2	1.3

d_1	nom.	8		10		
	limit devianions	±0.01				
s	±10%	0.75	1	0.5	0.75	1
d_2	nom.	12		15		
	limit devianions	±0.3				
k ~		1.4	1.5	1.5	1.6	1.7

Informatii utile:

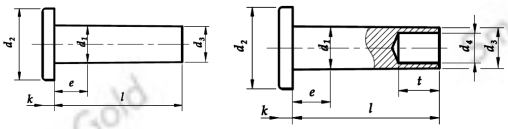
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
-	-	-	Zincat	-
7340	-	-	Alama	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

Nit cu cap plat forma A/ Nit semitubular cap plat forma B
7.16 DIN 7338A / DIN 7337B

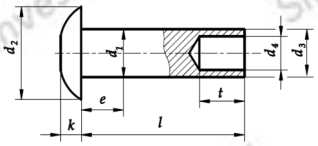




DIN 7338A / 7337B -Nit cu cap plat forma A/ Nit semitubular cap plat forma B
(Rivets for brake lining and clutch linings)

d_1 h13		3	4	5	6	8	10
d_2	nom	5.5	7.5	9.5	11.5	15.5	18
	devianions	h14	h15				
d_{3min}		2.85	3.8	4.8	5.8	7.75	9.75
d_4 H13		1.7	2.7	3.5	4.2	6	7.5
e_{max}		1.5	2	2.5	3	4	5
k	max	0.8	1	1	1.2	1.2	1.4
	min	0.6	0.8	0.8	1.0	1.0	1.2
t		3.5 (l=5)	4 (l=6)	4 (l<8)	6 (l<8)	8 (l<10)	10 (1*15)
		4 (l>5)	5 (l>6)	6 (l>8)	8 (l>8)	10 (l>10)	12 (l>15)

Nit semitubular cap semi bombat
7.17 DIN 6791





DIN 6791 -Nit semitubular cap semi bombat
(Semi tubular pan head rivets)

d_1	nom	2	2.5	3	-3.5	4	5	6	8	10
	limit dev.	±0.1					±0.15			±0.2
d_2	Nom	4	5	6	7	8	10	12	16	20
	toler.	h14			h15					h16
d_3 min		1.87	2.37	2.87	3.37	3.87	4.82	5.82	6.82	9.4
d_4 H13		1.2	1.7	1.9	2.2	2.7	3.5	4.2	6	7.6
emax		1	1.25	1.5	1.75	2	2.5	3	4	5
k jsl4		0.9	1.1	1.3	1.5	1.8	2.2	2.6	3.5	4.4
t	max	3	3	3.5	4.5	4.5	5.5	7	8.5	10.5
	min	2.5	2.5	3	4	4	5	6.5	8	10

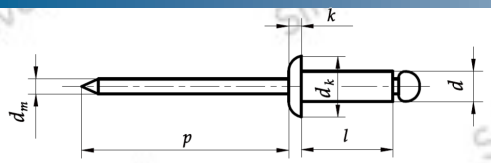
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
7338A / 7338B / 6791	-	-	Zincat; Alama	-

©SMART INVEST GOLD SRL

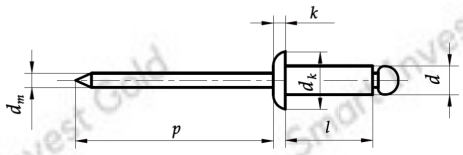
Pop-nit
7.18 ≈ DIN 7337A/ ISO 15977



ISO 15977 -Pop nit
(Open end blind rivets with break pull mandrel and protruding head Al/St))

d_{nom}		2.4	3	3.2	4	4.8	5	6
d	max	2.48	3.08	3.28	4.08	4.88	5.08	6.08
	min	2.25	2.85	3.05	3.85	4.65	4.85	5.85
d_k	max	5	6.3	6.7	8.4	10.1	10.5	12.6
	min	4.2	5.4	5.8	6.9	8.3	8.7	10.8
k_{max}		1	1.3	1.3	1.7	2	2.1	2.5
$d_{m\ max}$		1.55	2	2	2.45	2.95	2.95	3.4
p_{min}		25	25	25	27	27	27	27

Pop-nit
7.19 ≈ DIN 7337A/ ISO 15981



ISO 15981 -Pop-nit
(Open end blind rivets with break pull mandrel and protruding head AlA/AlA)

d_{nom}		2.4	3.2	4	4.8	6.4
d	max	2.48	3.28	4.08	4.88	6.48
	min	2.25	3.05	3.85	4.65	6.25
d_k	max	5	6.7	8.4	10.1	13.4
	min	4.2	5.8	6.9	8.3	11.6
k_{max}		1	1.3	1.7	2	2.7
$d_{m\ max}$		1.6	2.1	2.55	3.05	4
p_{min}		25	25	25	27	27

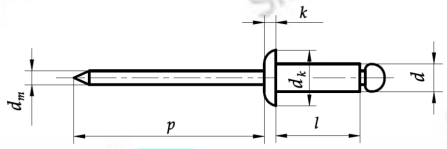
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
ISO 15977	-	-	Al/St; Al/A2	-
ISO 15981	-	-	Al/Al	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

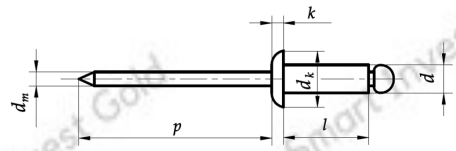
Pop-nit
7.20 ≈ DIN 7337A/ ISO 15979



ISO 15979 -Pop-nit
(Open end blind rivets with break pull mandrel and protruding head St/St)

d_{nom}		2.4	3	3.2	4	4.8	5	6	6.4
d	max	2.48	3.08	3.28	4.08	4.88	5.08	6.08	6.48
	min	2.25	2.85	3.05	3.85	4.65	4.85	5.85	6.25
d_k	max	5	6.3	6.7	8.4	10.1	10.5	12.6	13.4
	min	4.2	5.4	5.8	6.9	8.3	8.7	10.8	11.6
k_{max}		1	1.3	1.3	1.7	2	2.1	2.5	2.7
d_m max		1.5	2.15	2.15	2.8	3.5	3.5	3.4	4
pmin		25	25	25	27	27	27	27	27

Pop-nit
7.21 ISO 15983



ISO 15983 -Pop-nit
(Open end blind rivets with break pull mandrel and protruding head A2/A2)

d_{nom}		3	3.2	4	4.8	5	6.4*
d	max	3.08	3.28	4.08	4.88	5.08	7.5
	min	2.85	3.05	3.85	4.65	4.85	6.25
d_k	max	6.3	6.7	8.4	10.1	10.5	13
	min	5.4	5.8	6.9	8.3	8.7	12
k_{max}		1.3	1.3	1.7	2	2.1	2.2
$d_{m\ max}$		2.15	2.15	2.75	3.2	3.25	3.85
p_{min}		25	25	25	27	27	32

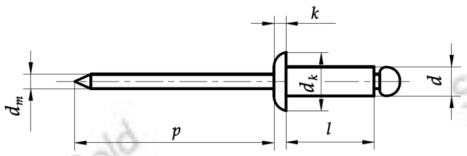
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
ISO 15979	-	-	St/St	-
ISO 15983	-	-	A2/A2	A2

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

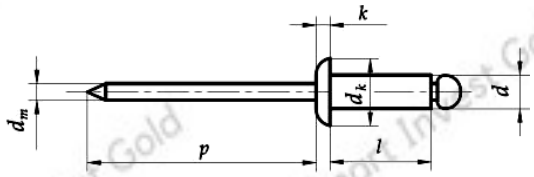
Pop-nit
7.22 AN 380



AN 380 -Pop-nit
(Dome head blind rivets, standard A4/A4)

d_{nom}		3	3.2	4	4.8
d	max	3.08	3.28	4.08	4.88
	min	2.85	3.05	3.85	4.65
d_k	max	6.3	6.5	8	9.5
	min	5.8	5.8	7.5	8.5
k	max	1	1	1.3	1.4
	min	0.6	0.6	0.9	1
d_m		1.75	1.95	2.65	2.85
pmin		26	26	27	28
*		3.1	3.3	4.1	4.9

Pop-nit
7.23 ISO 16582



ISO 16582 -Pop-nit
(Open end blind rivets with break pull mandrel and protruding head Cu/St, Cu/Br or Cu/SSt)

d_{nom}		3	3.2	4	4.8
d	max	3.08	3.28	4.08	4.88
	min	2.85	3.05	3.85	4.65
d_k	max	6.3	6.7	8.4	10.1
	min	5.4	5.8	6.9	8.3
k_{max}		1.3	1.3	1.7	2
d_m max		2	2.15	2.45	2.95
pmin		25	25	25	27

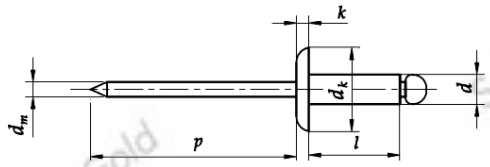
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 380	-	-	A4/A4	A4
ISO 16582	-	-	-	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

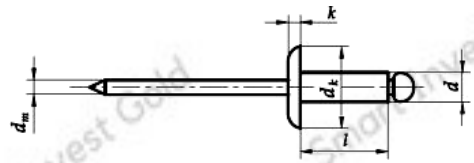
Pop-nit
7.24 AN 381



AN 381 -Pop-nit
(Large dome head blind rivets, standard Al/St)

d_{nom}		3,2	4,0	4,8		5,0	
d	max	3,28	4,08	4,88		5.08	
	min	3.05	3,85	4,65		4,85	
d_k	max	9.5	12	14,0	16	14,0	16
	min	8,9	11,4	13,4	15,4	13,4	15.4
k	max	1,4	1,7	1,8	2,0	1.8	2
	min	1,0	1,3	1.4	1.3	1,4	1,6
d_m		1,75	2,1	2,63	2.63	2,63	2,63
P min		26	27	28	28	28	28
*		3,3	4,1	4.9	4.9	5.1	5,1

Pop-nit
7.25 AN 383



AN 383 -Pop-nit
(Large dome head blind rivets, standard Al/A2)

d_{nom}		5,0	
d	max	5,08	
	min	4,85	
d_k	max	14	16,0
	min	13.4	15,4
k_{max}		1,8	2,0
d_m		2,63	2.62
*		5,1	5,1

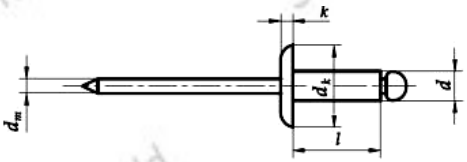
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 381	-	-	Al/St	-
AN 383	-	-	Al/A2	-

©SMART INVEST GOLD SRL

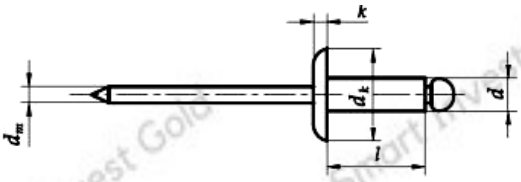
Pop-nit
7.26 AN 382



AN 382 -Pop-nit
(Large dome head blind rivets, standard Al/Al)

d_{nom}		4,8
d	max	4,88
	mm	4,65
d_k	max	14.35
	min	13.65
k		1,8
d_m		2.95
*		4,9

Pop-nit
7.27 AN 384



AN 384 -Pop-nit
(Large dome head blind rivets, standard St/St)

d_{nom}		4,8
d	max	4,88
	max	4,65
d_k	max	14,35
	min	13,65
k		1,8
d_m		2,9
*		4.9

Informatii utile:

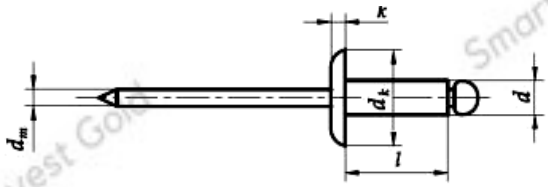
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 382	-	-	Al/Al	-
AN 384	-	-	St/St	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

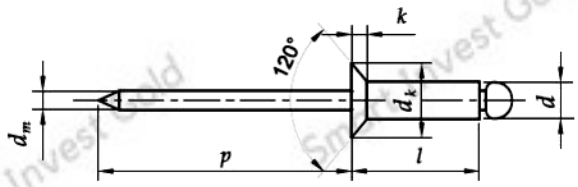
Pop-nit
7.28 AN 385



AN 385 -Pop-nit
(Large dome head blind rivets, standard A2/A2)

d_{nom}		3,2	4,0	4,8	
d	max	3.28	4,08	4.88	
	max	3.05	3.85	4,65	
d_k	max	9,5	12	14	16
	min	8.9	11,4	13,4	15.4
k	max	1,4	1,7	1,8	2
	min	1,0	1,3	1,4	1,6
d_m		1,95	2.45	2.85	285
*		3,3	4,1	4,9	4,9

Pop-nit
7.29 ISO 15978



ISO 15978 -Pop-nit
(Open end blind rivets with break pull mandrel and countersunk head AlA/St)

d_{nom}		2,4	3	3,2	4	4,8	5
d	max	2,48	3,08	3,28	4,08	4,88	5,08
	min	2,25	2.85	3,05	3,85	4,65	4.85
d_k	max	5	63	6,7	8,4	10,1	10,5
	min	4,2	5.4	5,8	6,9	8,3	8,7
k_{max}		1	1,3	1,3	1,7	2	2,1
d_m max		1,55	2	2	2,45	2,95	2,95
Pmin		25	25	25	27	27	27

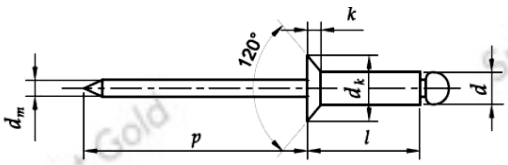
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 385	-	-	A2/A2	-
ISO 15978	-	-	-	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

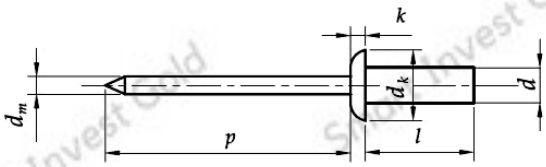
Pop-nit
7.30 ISO 15984



ISO 15984 -Pop-nit
(Open end blind rivets with break pull mandrel and countersunk head A2/A2)

d_{nom}		3	3,2	4	4,8	5
d	max	3,08	3,28	4,08	4,88	5,08
	max	2,85	3,05	3,85	4,65	4,85
d_k	max	6,3	6,7	8,4	10,1	10,5
	min	5,4	5,8	6,9	8,3	8,7
K_{max}		1.3	1,3	1,7	2	2,1
d_m max		2,05	2,15	2,75	3,2	3,25
Pmin		25	25	25	27	27

Pop-nit
7.31 ISO 15973



ISO 15973 -Pop-nit
(Closed end blind rivets with break pull mandrel and protruding head AlA/St)

d_{nom}		3,2	4	4.8	6,4
d	max	3,28	4,08	4,88	6,48
	max	3,05	3,85	4.65	6.25
d_k	max	6.7	8,4	10,1	13,4
	min	5,8	6,9	8,3	11,6
k_{max}		1,3	1.7	2	2,7
d_m max		1,85	2,35	2.77	3,71
Pmin		25	25	27	27

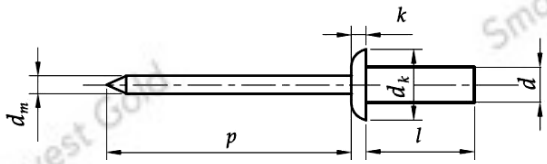
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
ISO 15984	-	-	A2/A2	-
ISO 15973	-	-	AlA/St	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

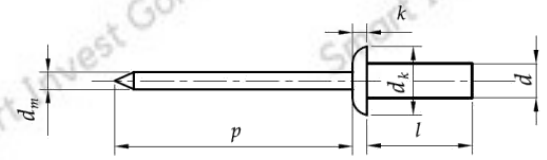
Pop-nit
7.32 ISO 15975



ISO 15975 -Pop-nit
(Closed end blind rivets with break pull mandrel and protruding head Al/AlA)

d_{nom}		3,2	4,0	4,8
d	max	3,28	4,08	4,88
	max	3,05	3,85	4,65
d_k	max	6,7	8,4	10,1
	min	5,8	6,9	8,3
k_{max}		1,3	1,7	2
d_m max		1,85	2,35	2,77
Pmin		25	25	27

Pop-nit
7.33 ISO 15976



ISO 15976 -Pop-nit
(Closed end blind rivets with break pull mandrel and protruding head St/St)

d_{nom}		3,2	4	4,8	6,4
d	max	3,28	4,08	4,88	6,48
	max	3,05	3,85	4.65	6,25
d_k	max	6,7	8,4	10,1	13,4
	min	5,8	6,9	8,3	11,6
k_{max}		1.3	1.7	2	2,7
d_m max		2	2,35	2,95	3,9
Pmin		25	25	27	27

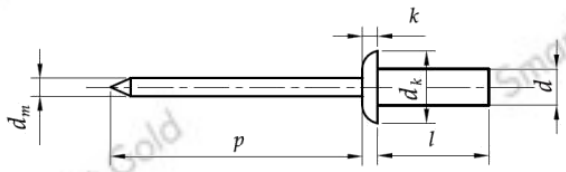
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
ISO 15975	-	-		
ISO 15976	-	-	St/St	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

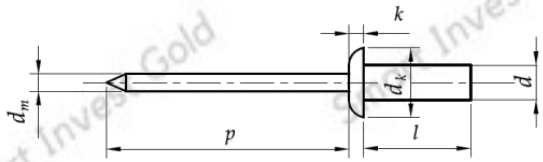
Pop-nit
7.34 AN 386



AN 386 -Pop-nit
(Dome head blind rivets, sealed Al/A2)

d_{nom}		3,2	4,0	4,8
d	max	3,28	4,08	4,88
	min	3,05	3,85	4,65
d_k	max	6,4	8,3	9,9
	min	5,8	7,7	9,3
k	max	1,3	1,6	2
d_m		1,75	2,15	2,63
Pmin		26	27	28
*		3,3	4,1	4.9

Pop-nit
7.35 AN 387



AN 387 -Pop-nit
(Dome head blind rivets, sealed Cu/St)

d_{nom}		3,2	4,0	4,8
d	max	3,28	4,08	4,88
	min	3,05	3,85	4,65
d_k	max	6,4	8,3	9,9
	min	5,8	7,7	9,3
k_{max}		1,3	1,6	2,0
d_m		1,75	2,15	2,63
Pmin		26	27	28
*		3,3	4,1	4,9

Informatii utile:

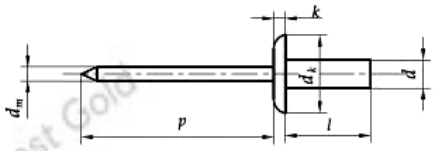
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 386	-	-	Al/A2	-
AN 387	-	-	Cu/St	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

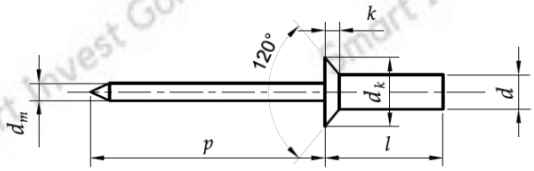
Pop-nit
7.36 AN 388



AN 388 -Pop-nit
(Large dome head blind rivets, sealed Al/St)

d_{nom}		4,8
d	max	4,88
	min	4,65
d_k	max	14,0
	min	13,4
k_{max}		2.5
d_m		2,63
P_{min}		27
*		4,9

Pop-nit
7.37 ISO 15974



ISO 15974 -Pop-nit
(Closed end blind rivets with break pull mandrel and countersunk head AlA/St)

d_{nom}		3,2	4	4,8
d	max	3,28	4.08	4.88
	min	3,05	3.85	4,65
d_k	max	6.7	8.4	10.1
	min	5.8	6,9	8,3
k_{max}		1.3	1.7	2
$d_{m\ max}$		1,85	2.35	2,77
P_{min}		25	25	27

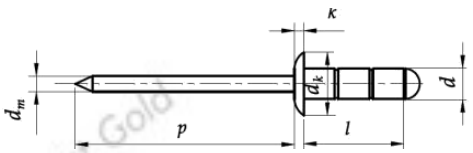
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 388	-	-	Al/St	-
ISO 15974	-	-	AlA/St	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

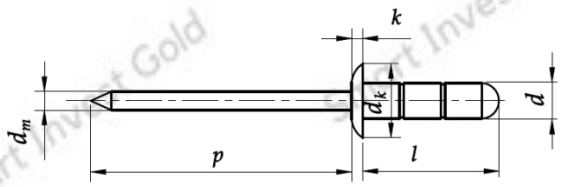
Pop-nit
7.38 AN 389



AN 389 -Pop-nit
(Dome head Multigrip blind rivets Al/St)

d_{nom}		3,2	4	4,8
d	max	3,28	4,08	4.88
	min	3,05	3,85	4.65
d_k	max	6	8	9.6
	min	5,8	1,5	9,0
k	max	1,0	1.3	1,5
	min	0.6	0,9	0,9
d_m		1,75	2,15	2.65
P_{min}		26	27	28
*		3,3	4.1	4.9

Pop-nit
7.39 AN 406



AN 406 -Pop-nit
(Dome head Multigrip blind rivets Al/A2)

d_{nom}		3,2	4	4,8
d	max	3,28	4,08	4.88
	min	3,05	3,85	4,65
d_k	max	6,3	8	9,6
	min	5,8	7.5	9,0
k	max	1	1.3	1,5
	min	0.5	0,9	0,9
d_m		1,75	2,15	2.63
P_{min}		26	2.1	28
*		3,3	4.1	4.9

Informatii utile:

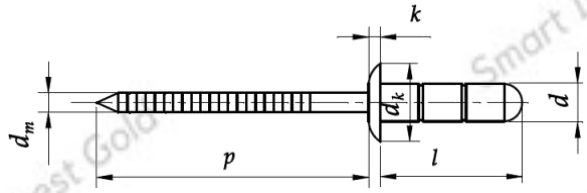
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 389	-	-	Al/St	-
AN 406	-	-	Al/A2	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

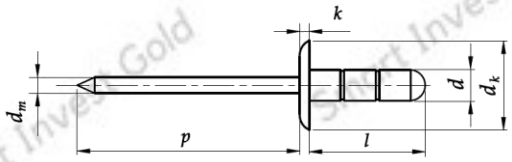
Pop-nit
7.40 AN 390



AN 390 -Pop-nit
(Dome head Multigrip blind rivets St/St)

d_{nom}		3,2	4,0	4,8
d	max	3,28	4,08	4,88
	min	3,05	3.85	4,65
d_k	max	7,3	8,35	9,6
	min	6,7	7,85	9,0
k	max	1,0	1.4	1,5
	min	0,6	0,9	1,0
d_m		2,05	2,5	3,2
P_{min}		26	27	27
*		3,3	4,1	4,9

Pop-nit
7.41 AN 391



AN 391 -Pop-nit
(Large dome head multigrip blind rivets Al/St)

d_{nom}		3,2	4,0	4,8	
d	mm	3,28	4,08	4,88	
	min	3,05	3,85	4,65	
d_k	max	9.5	12,0	14,0	16,0
	min	89	11,4	13,4	15,4
k	max	1,2	1,7	1,8	2
	min	10	1.3	1,4	1,6
d_m		1,75	2,15	2,63	2,63
P_{min}		26	27	28	28
*		3,3	4,1	4,9	4,9

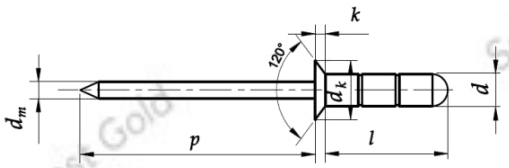
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 390	-	-	St/St	-
AN 391	-	-	Al/St	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

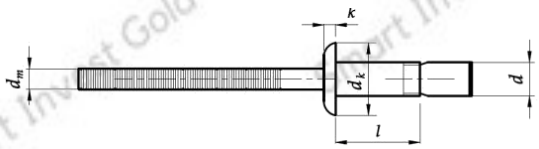
Pop-nit
7.42 AN 392



AN 392 -Pop-nit
(Countersunk head Multigrip blind rivets Al/St)

d_{nom}		3,2	4,0	4,8
d	max	3,28	4,08	4,88
	min	3,05	3,85	4,65
d_k	max	5,5	6,5	9
d_m		1,75	2,15	2,65
P_{min}		26	27	28
*		3,3	4,1	4,9

Pop-nit
7.43 AN 393



AN 393 -Pop-nit
(Dome head structural blind rivets St/St)

d_{nom}		4,8	6,5	10
d	max	4,88	6,58	9,88
	min	4,65	6,35	9,65
d_k	max	10	13,2	19,5
	min	9	12,2	18,5
k	max	2.2	3,0	4,4
d_m	max	3,1	4,1	6.2
*		4,9-5,1	6,6-6,9	10,0-10,4

Informatii utile:

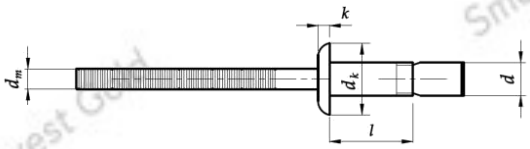
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 392	-	-	Al/St	-
AN 393	-	-	St/St	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

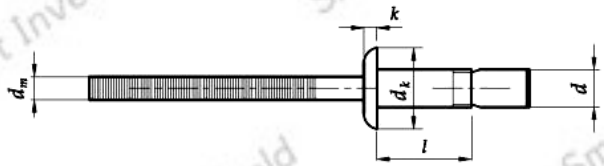
Pop-nit
7.44 AN 407



AN 407 -Pop-nit
(Dome head structural blind rivets Al/Al)

d_{nom}		4,8	6.5	10
d	max	4,88	6,58	9,88
	min	4,65	6,35	9,65
d_k	max	10	13,2	19,5
	min	9	12,2	18,5
k_{max}		2,2	3	4,4
d_m		3,1	4,1	6,2
*		4,9-5,1	6,6-6,9	10-10,4

Pop-nit
7.45 AN 408



AN 408 -Pop-nit
(Dome head structural blind rivets A2/A2)

d_{nom}		4,8	6,4
d	max	4,88	6,58
	min	4,65	6,35
d_k	max	10	13,2
	min	9	12,2
k_{max}		2,2	2,6 - 3,4
d_m		3,1	4
*		4,9-5,1	6,6-6,9

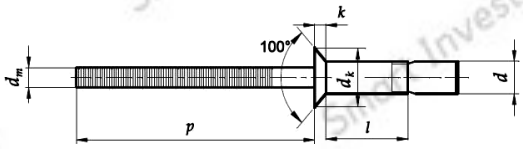
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 407	-	-	Al/Al	-
AN 408	-	-	A2/A2	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

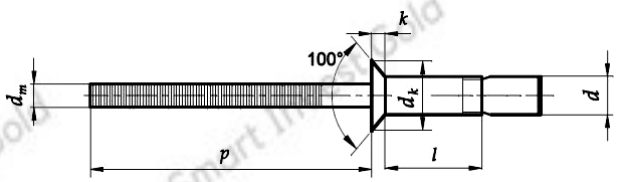
Pop-nit
7.46 AN 409



AN 409 -Pop-nit
(Countersunk head structural blind rivets A2/A2)

d_{nom}		4,8	6,4
d	max	4,88	6,48
	min	4,65	6,25
d_k	max	9,3	11,1
	min	8,3	10,1
k_{max}		1,8	2
d_m		3,1	4,1
*		4,9-5,1	6,6-6,9

Pop-nit
7.47 AN 414



AN 414 -Pop-nit
(Countersunk head structural blind rivets St/St)

d_{nom}		4,8	6,4
d	max	4,88	6,58
	min	4,65	6,35
d_k	max	9,3	11,1
	min	8,3	10,1
k		1,8	2
d_m		3,1	4,1
*		4,9-5,1	6,6-6,9

Informatii utile:

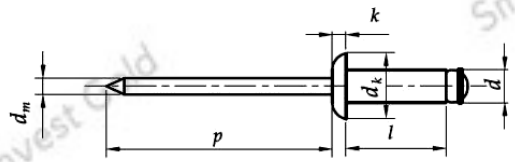
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 409	-	-	A2/A2	-
AN 414	-	-	St/St	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

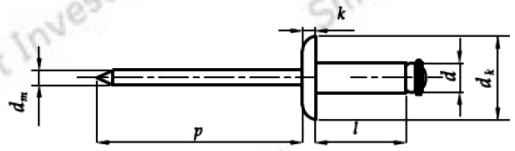
Pop-nit
7.48 AN 394



AN 394 -Pop-nit
(Dome head peeled blind rivets Al/St)

d_{nom}		3,2	4,0	4,8
d	max	3,28	4,08	4,88
	min	3,12	3,85	4,65
d_k	max	6,24	8,3	9.8
	min	5,76	7,7	9.2
k	max	1,0	1,4	15
	min	0,8	1	1.1
d_m		1.8	22	2.6
P_{min}		27	27	27
*		3,7	4,5	5.3

Pop-nit
7.49 AN 395



AN 395 -Pop nit
(Large dome head peeled blind rivets Al/St)

d_{nom}		4,8
d	max	4,88
	min	4,65
d_k	max	14,15
	min	13,45
k_{max}		2,0
$d_{m\ max}$		2,9
P_{min}		28

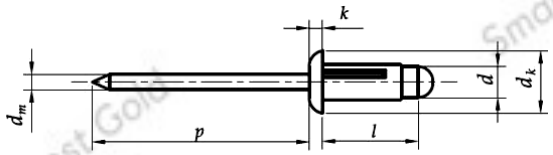
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 394	-	-	Al/St	-
AN 395	-	-	Al/St	-

©SMART INVEST GOLD SRL

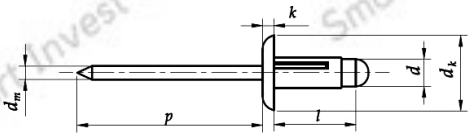
Pop-nit
7.50 AN 396



AN 396 -Pop-nit
(Dome head trebol bind rivets Al/Al)

d_{nom}		4,0	4,8
d	max	4,1	4,9
	min	3,85	4,65
d_k	max	8,3	10,3
	min	7,7	9,5
k	max	1,6	2
	min	1,2	1,6
d_m		2,3	2,9
P_{min}		27	28
*		4,2-4,4	5,0 - 5,2

Pop-nit
7.51 AN 415



AN 415 -Pop-nit
(Large dome head trebol blind rivets Al/Al)

d_{nom}		4,0	4,8	
d	max	4,08	5,0	
	min	3,85	4,75	
d_k		12	14	16
k	max	1,7	1,95	
	min	1,1	1,25	
d_m		2,5	2,9	
P_{min}		27	27	
*		4,2-4,4	5,0 - 5,2	

Informatii utile:

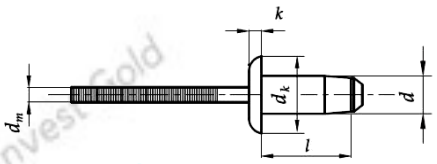
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 396	-	-	Al/Al	-
AN 415	-	-	Al/Al	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

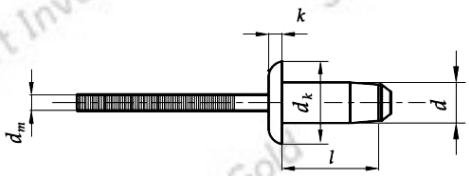
Pop-nit
7.52 AN 399



AN 399 -Pop-nit
(Hard Lock blind rivets St/St)

d_{nom}		4,8	6,4
d	max	4,9	6,6
	min	4,7	6,3
d_k	max	10,1	13,6
	min	9,5	
k	max	2,4	3,5
	min	2,0	3,1
d_m		3,0	4,2
P_{min}		25	25
*		5,0	6,7-6,9

Pop-nit
7.53 AN 405



AN 405 -Pop nit
(Hard Lock blind rivets, dome head A2/A2)

d_{nom}		4,0	4,8
d	max	4,08	4,88
	min	3,85	4,65
d_k	max	8,0	9,6
	min	7,5	9,0
k_{max}		1,3	1,5
$d_{m\ max}$		2,7	3,28

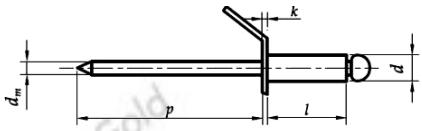
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 399	-	-	St/St	-
AN 405	-	-	A2/A2	-

©SMART INVEST GOLD SRL

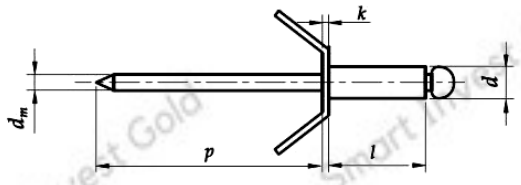
Pop-nit
7.54 AN 401



AN 401 -Pop nit
(Brass mass-rivet, with single tabs for electric applications Ms/St)

dnom		4,0
d	max	4,08
	min	3,85
k		0,8
d_m		2,4
P		25

Pop-nit
7.55 AN 402



AN 402 -Pop-nit
(Brass mass-rivet, with double tabs for electric applications Ms/St)

dnom		4,0
d	max	4,08
	min	3,85
k		0,8
d_m		2,4
p		25

Informatii utile:

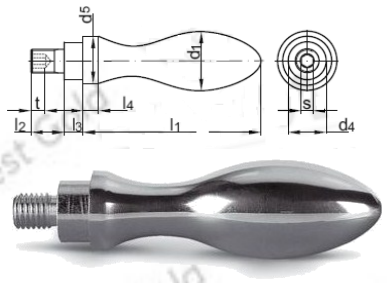
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 401	-	-	Ms/St	-
AN 402	-	-	Ms/St	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

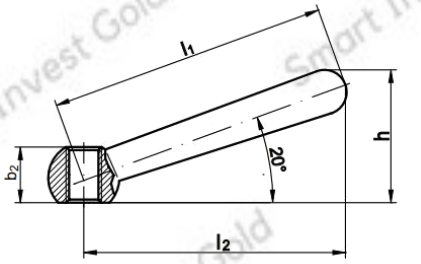
Maner forma "E"
7.56 DIN 98



DIN 98 -Maner forma "E"
(Handle form "E")

Dimensiuni	M6	M8	M10	M12	M16
d_1	16	20	25	32	36
d_4	10	13	16	20	22
d_5	14	18	21	26	29
l_1	49	61	75	96	106
l_2	11	13	14	21	26
l_3	5.5	6	8	10.5	11
l_4	5	6	6.5	0 u	9
s	3	4	5	6	8
t	3.5	5	6	8	10

Maner forma "N"
7.57 DIN 99





DIN 99 -Maner conic cu suportul manerului prin filet

Dimensiuni	M6	M8	M10	M12	M16	M20	M24
l_1	50	63	80	100	125	160	200
b_2	9.5	12.5	15	19	25	31	4
h	24	30.5	38	47	59.5	75.7	97
l_2	38	60	76	95	119	152	190
l_2	48	60	76	95	119	152	190

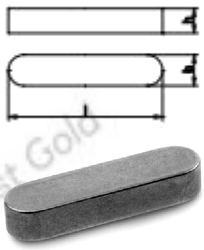
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
98 / 99	-	-	Natur	INOX A2; INOX A4

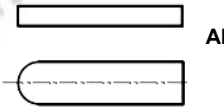
Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Pana paralela forma A
7.58 DIN 6885

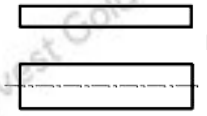


DIN 6885 -Pana paralela forma A
(Parallel key)

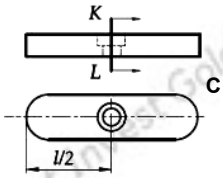
Dimensiuni	2	3	4	5	6	8	10
h	2	3	4	5	6	8	10
for shafts Ø d/d	6-8	8 -10	10 - 12	12 -17	17-22	22 - 30	30 - 38
Dimensiuni	**12**	**14**	**16**	**18**	**20**	**22**	**25**
h	12	14	16	18	20	22	25
for shafts Ø d/d	38-44	44-50	50 - 58	58 - 65	65 - 75	75 - 85	85 - 95
Dimensiuni	**28**	**32**	**36**	**40**	**45**		
h	28	32	36	40	45		
for shafts Ø d/d	95 - 110	110 - 130	130 - 150	150 - 170	170 - 200		



AB



B



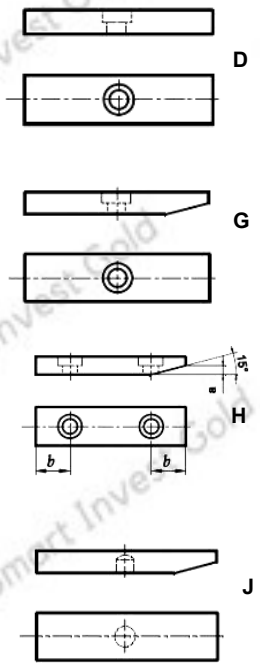
C

Dimensiuni		2	3	4	5	6	8	10	12	14	16	18
h		2	3	4	5	6	7	8	8	9	10	11
d_1	min	6	8	10	12	17	22	30	38	44	50	58
	max	8	10	12	17	22	30	38	44	50	58	65
t_1		1.2	1.8	2.5	3	3.5	4	5	5		6	7
t_2				1.8	2.3	2.8	3.3	3.3	3.3	3.8	4.3	4.4
a		-	-	-	-	-	3	3	3	3.5	4	4.5
d_2		2.5	3.5	4	5	6	8	8	8	9	11	11
d_3		-	-	-	-	-	3.4	3.4	4.5	b 5	5.5	6.6
d_4							6	6	8	10	10	11
d_5		-		-	-	-	M3	M3	M4	M5	M5	M6
d_6 H12		-		-	-	-	4	4	5	6	6	8
t_3		-		-	-	-	2.4	2.4	3.2	4.1	4.1	4.8
t_4		-		-	-	-	4	4	5	6	6	7
d_7		-		-	-	-	M3	M3	M4	M5	M5	M6
d_8		-		-	-	-	4.5	4.5	5.5	6.5	6.5	9
t_5		-		-	-	-	4	5	6		6	7
t_6		-		-	-	-	7	8	10		10	12
t_7		-	-	-	-	-	5	5	7	8	8	1"
wtoft mocijifcr		-	-	-	-	-	M3x8	M3x10	M4x10	M5x10	M5x10	M6x12
kolek sprfiysty		-	-	-	-	-	4x8	4x8	5x10	6x12	6x12	8x16

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6885				

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

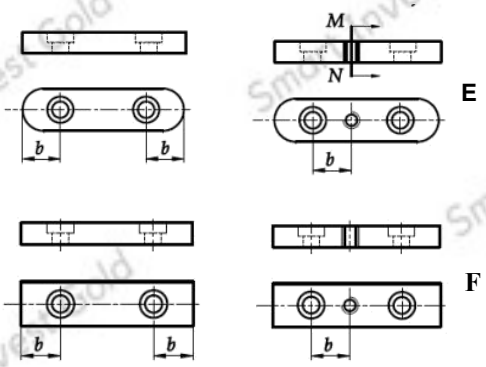
© SMART INVEST GOLD SRL



Dimensiuni		20	22	25	28	32	36	40	45	50	56	63
h		12	14	14	16	18	20	22	25	28	32	32
d_1	min	65	75	85	95	110	130	150	170	200	230	260
	max		85	95	110	130	150	170	200	230	260	290
t_1		7.5	9	9	10	11	12	13	15	17	20	20
t_2		4.9	s 4	S 4	fi 4	7 4	8.4	9.4	10.4	11.4	12.4	12.4
a		5	5.5	5.5	6.5	7	8	9	10	11	13	13
d_2		12	14	14	16	18	21	23	26	28	32	32
d_3		6.6	6.6	9	11	11	14	14	14	14	14	14
d_4		11	11	15	18	18	20	20	20	20	20	20
d_5		M6	M6	M8	M10	M10	M12	M12	M12	M12	M12	M12
d_6 HI2		8	8	10	12	12	16	16	16	16	16	16
t_3		4.8	4.8	6	7.3	7.3	8.3	8.3	83	8.3	8.3	8.3
t_4		8	8	10	10	12	14	16	16	16	16	16
d_7		M6	M6	M8	M10	M10	M12	M12	M12	M12	M12	M12
d_8		9	9	11	13	13	17	17	17	17	17	17
t_5		6	8	9	9	11	15	13	15	12	13	
t_6		11	13	15	15	17	22	20	22	19	20	20
t_7		10	10	12	18	16	20	18	18	18	18	18
wkret mocujqcy		M6x12	M6x16	M8x16	M10x16	M10x20	M12x25	M12x25	M12x30	M12x30	M12x35	M12x35
kolek sprfiysl		8x16	8x16	10x20	12x24	12x24	16x30	16x30	16x30	16x32	16x32	16x32

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6885				

©SMART INVEST GOLD SRL



Dimensiuni		70	80	90	100
h		36	40	45	50
d_1	min	290	330	380	440
	max	330	380	440	500
t_1		22	25	28	31
t_2		14.4	15.4	17.4	19.5
a		14	16	18	20
d_2		36	40	45	50
d_3		18	18	22	22
d_4		26	26	33	33
d_5		M16	M16	M20	M20
d_6 H12		20	20	25	25
t_3		11.5	11.5	13.5	13.5
t_4		20	20	25	25
d_7		M16	M16	M20	M20
d_8		21	21	26	26
t_5		17	18	20	20
t_6		24	25	28	28
t_7		24	24	30	30
wkrqt mocujqcy		M16x40	M16x40	M20x50	M20x55
kolek sprqiysty		20x40	20x40	25x50	25x50

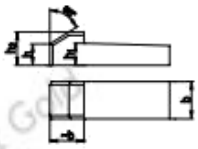
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6885	-	-	Natur	INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Pana cu nas
7.59 DIN 6887

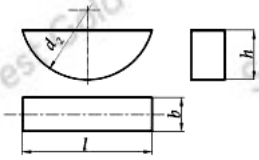




DIN 6887 -Pana cu nas
(Taper key with gib head)

Dimensiuni	6	8	10	12	14	16
h	6	7	8	8	9	10
h_1	6.1	7.2	8.2	8.2	9.2	10.2
h_2	10	11	12	12	14	16
for shafts Ø d/d	17 - 22	22 - 30	30 - 38	38 - 44	44 - 50	50 - 58

Pana circulara
7.60 DIN 6888





DIN 6888 -Pana circulara
(Woodruff key)

b h9	1.5	2		2.5	3			4			5
h h12	2.6	2.6	3.7	3.7	3.7	5	6.5	5	6.5	7.5	6.5
d_2	7	7	10	10	10	13	16	13	16	19	16
l ≈	6.76	6.76	9.66	9.66	9.66	12.65	15.72	12.65	15.72	18.57	15.72
b h9	5		6				8			10	
h h12	7.5	9	7.5	9	10	11	9	11	13	13	16
d_2	19	22	19	22	25	28	22	28	32	32	45
l ≈	18.57	21.63	18.57	21.63	24.49	27.35	21.63	27.35	31.43	31.43	43.08

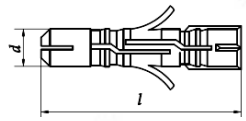
Informatii utile:

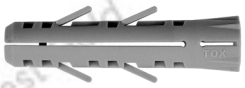
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
6887	-	-	Natur	-
6888	-	-	Natur	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Dibluri din plastic
7.61 AN 301

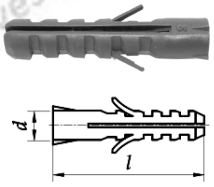




AN 301 -Dibluri din plastic
(Plastic plugs)

Dimensiuni	6x30	8x40	10x50	12x60	14x80	16x80
d	6	8	10	12	14	16
l	30	40	50	60	80	80

Dibluri din plastic
7.62 AN 304



AN 304 -Dibluri din plastic
(Plastic plugs)

Dimensiuni	6x30	8x40	10x50	12x60	12x80	16x80
d	6	8	10	12	12	16
l	30	40	50	60	80	80

Informatii utile:

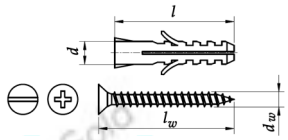
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 301 / 304	-	-	-	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

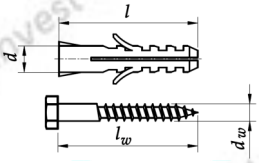
Dibluri pentru beton cu surub
7.63 AN 237



Dimensiuni		5/3x25	6/3.5x30	6/3.5x35	8/5x45	8/5x50	8/5x60	10/6x60	10/6x80	10/6x90
-	d	5	6	6	8	8	8	10	10	10
	l	25	30	30	40	40	40	50	50	50
-	d_w	3	3.5	3.5	5	5	5	6	6	6
	l_w	25	30	35	45	50	60	60	80	90

AN 237 -Dibluri pentru beton cu surub
(Plugs for concrete with countersunk head screw)

Dibluri pentru beton cu surub (Dibluri cui percutie)
7.64 AN 238



Dimensiuni		8/5x40	8/5x50	10/6x60	10/6x80	10/6x100	12/8x60	12/8x80	12/8x100
-	d	8	8	10	10	10	12	12	12
	l	40	40	50	50	50	60	60	60
-	d_w	5	5	6	6	6	8	8	8
	l_w	40	50	60	80	100	60	80	100
Dimensiuni		**12/8x120**	**12/8x140**	**14/10x80**	**14/10x100**	**14/10x120**	**14/10x140**	**14/10x160**	
-	d	12	12	14	14	14	14	14	
	l	60	60	70	70	70	70	70	
-	d_w	8	8	10	10	10	10	10	
	l_w	120	140	80	100	120	140	160	

AN 237 -Dibluri pentru beton cu surub hexagonal
(Plugs for concrete with countersunk head screw)

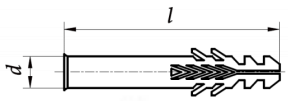
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 237 / 238	-	-	-	-

©SMART INVEST GOLD SRL

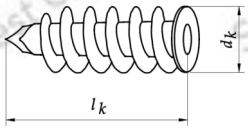
Dibluri pentru beton
7.65 AN 303K



Dimensiuni	14/75	14/100	14/135
d	14		
l	75	100	135

AN 303K -Dibluri pentru beton
(Scaffold plugs for concrete)

Diblu metalic
7.66 AN 289



Dimensiuni		60	95
l		58	95
d_k		12	32
Surub	d_w	4.5-5	8/10/M8
	l_w	30+G	40+G
Priza		Tx40	13

AN 289 -Diblu metalic
(Plastic plug for insulation)

Informatii utile:

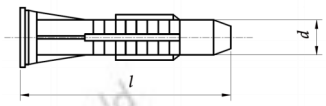
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 303K / AN 289	-	-	Natur	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

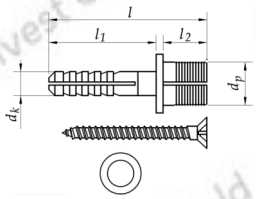
Diblu
7.67 AN 245



AN 245 -Diblu
(Stair-tread fixing)

Dimensiuni		6x36	8x50	10x60
d		6	8	10
l		36	50	60
ceva	od	3	3.5	6
	do	4.5	5	8

Diblu cu surub
7.68 AN 266



AN 266 -Diblu cu surub
(Stair-tread fixing)

Dimensiuni	8x65
l_h	65
l_1	40
l_2	22
d_k	8
d_p	14
-	5x70
-	8

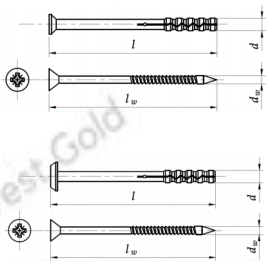
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 245	-	-	Natur	-
AN 266	-	-	Natur	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Dibluri cu surub
7.69 AN 250



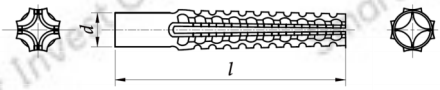
S

W

Dimensiuni	6x40	6x60	6x80	8x60	8x80	8x100	8x120	10x100
d	6	6	6	8	8	8	8	10
l	40	60	80	60	80	100	120	100
Dimensiuni	**10x120**	**10x140**	**10x160**					
d	10	10	10					
l	120	140	160					

AN 250 -Dibluri cu surub
(Nail plugs)

Diblu metalic
7.70 AN 244



Dimensiuni		6x32	8x38	8x60	10x60
d		6.3	8.3	8.3	11.9
l		32	38	60	60.6
-	d_w	5-6	6-8	6-8	8-10
	l_w	38	46	68	68

AN 244 -Diblu metalic
(Metal plugs)

Informatii utile:

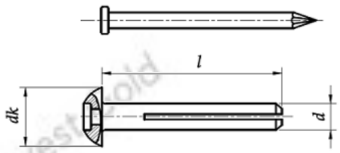
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 250	-	-	Natur	-
AN 244	-	-	Natur	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

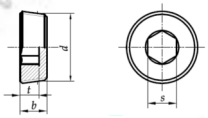
Cuie
7.71 AN 306



Dimensiuni	6x40	6x50
d	6	6
l	40	50
d_k	13	13

AN 306 -Cuie
(Quick assembly speed plugs)

Dop pentru teava cu locas hexagonal
7.72 DIN 906





d1	M8x1	M10x1	M12x1.5	M14x1.5	M16x1.5	M18x1.5	M20x1.5	M22x1.5
b	8	8	10	10	10	10	10	10
t_{min}	4	4	5	5	5	5	5	5
s	4	5	6	7	8	8	10	10
d	**M24x1.5**	**M26x1.5**	**M27x2**	**M30x1.5**				
b	12	12	12	12				
t_{min}	6	6	6	6				
s	12	12	12	17				
d2	**R1/8**	**R1/4**	**R3/8**	**R1/2**	**R3/4**	**R1**	**R1 1/4**	
b	8	10	10	10	12	12	18	
t_{min}	4	5	5	5	6	6	11.5	
s	5	7	8	10	12	17	22	

DIN 906 -Dop pentru teava cu locas hexagonal
(Hexagon socket pipe plugs; Conical thread)

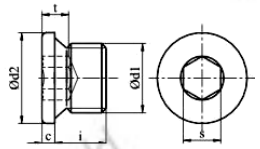
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 306	-	-	Natur	-
906	-	5.8	Natur; Zincat; Alama	INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Dop cu gat cilindric si locas hexagonal
7.73 DIN 908

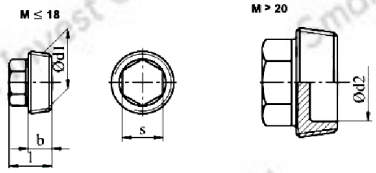




DIN 908 -Dop cu filet cilindric si locas hexagonal
(Hexagon socket screw plugs; cylindrical thread)

Ød[1)]	M10x1	M12x1,5	M14x1.5	M16x1.5	M18x1.5	M20x1.5	M22x1,5	M24x1.5
c +0.5 0	3	3	3	3	4	4	4	4
$Ød_2$ h14	14	17	19	21	23	25	27	29
i ±0.2	8	12	12	12	12	14	14	14
S D12	5	6	6	8	8	10	10	12
t_{min}	5	7	7	7,5	7,5	7,5	7,5	7,5
Ød[1)]	1/126x1.5	M27x2	M 30x 1,5 M30x2	M33x2	M36x1,5 M36x2	M38x1,5	M39x2	M42x1,5 M42x2
c +0.5 0	4	4	4	5	5	5	5	5
$Ød_2$ h14	31	32	36	39	42	42	46	49
i ±0.2	16	16	16	16	16	16	16	16
S D12	12	12	17	17	19	19	19	22
t_{min}	g	g	9	9	10,5	10,5	10,5	10,5

Dop filetat
7.74 DIN 909





DIN 909 –Dop filetat
(Hexagon head screw plugs, conical thread)

$Ød_1$[1)]	M10x'	M12x1,5	M14x1,5	M16x1.5	M18x1.5	M 20x1,5	M22x1,5
b js16	8	10	10	10	10	10	10
$Ød_2$	-	-	-	-	-	12	14
l	12,5	15	15	16	16	17	17
s	7	7	9	10	10	13	13
$Ød_1$1)	M24x1	M26x1.5	M27x2				
b js16	12	12	12				
$Ød_2$	16	16	16				
l	20	20	20				
s	17	17	17				

Informatii utile:

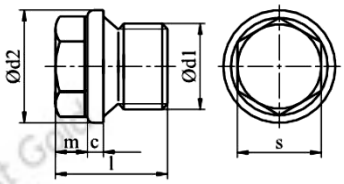
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
908	-	5.8	Natur; Zincat; Alama	INOX A4
909	-	5.8	Natur	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

Dop filetat
7.75 DIN 910

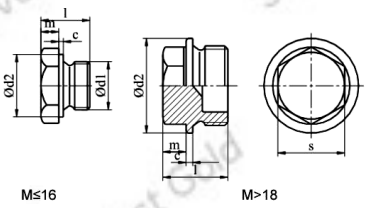




DIN 910 -Dop filetat
(Hexagon head screw plugs; heavy type, cylindrical thread)

Ød[1)]	M10x1	M12x1.5	M16x1.5	M18x1,5	M2CU1.5	M22x1,5	M24x1.5
c +0.5 0	3	3	3	4	4	4	4
$Ød_2$ h14	14	17	21	23	25	27	29
l ≈	17	21	21	24	26	26	27
m ±1/2 IT15	6	6	6	8	8	8	9
s	10	13	17	17	19	19	22
Ød[1)]	M26x1,5	M27x2	M30x1,5	M30x2	M33x2	M36x1.5	M36x2
c +0.5 0	4	4	4	4	5	5	5
$Ød_2$ h14	31	32	36	36	39	42	42
l ≈	30	30	30	30	32	32	32
m ±1/2 IT15	10	10	10	10	11	11	11
s	24	24	24	24	27	27	27

Dop filetat
7.76 DIN 7604





DIN 7604 -Dop filetat
(Hexagon head screws plugs; light type, cylindrical thread

$Ød_1$	M 10x1	M12x1,5	M 14x1,5	M16x1,5	M18x1,5	M22x1,5	M26x1.5	M 30x1.5
c + 0,2 0	0,5	0,5	0,5	0,5	2	2	2	2,5
$Ød_2$ h14	14	17	19	21	23	27	31	36
l ≈	10,5	15,5	15,5	15,5	17	17	19,5	19,5
m ±1/2IT15	4	6	6	6	6	6	8	8
s	14	17	19	22	17	19	22	22

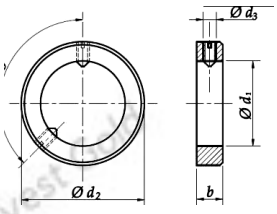
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
910	-	5.8	Natur; Zincat; Alama	INOX A4
7604	-	-	Natur; Zincat	INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
©SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

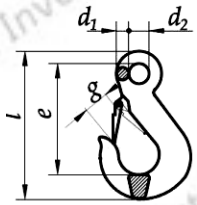
Inel de ajustare
7.77 DIN 705A



DIN 705A -Inel de ajustare
(Adjusting rings)

Ød$_1$ H8	2	2,5	3	3,5*	4	4,5*	5	5,5*	6	7*
b js14	3,5	4	5	5	5	6	6	6	8	8
Ød$_2$ h13	6	7	7	8	8	10	10	12	12	12
Ød$_3$	1	M2	M2	M2.5	M2,5	M3	M3	M4	M4	M4
Set screws	M2x3	M2x3	M2x3	M2.5x3	M2.5x3	M3x4	M3x4	M4x5	M4x5	M4x5
Ød$_1$ H8	**8**	**10**	**12**	**14**	**15***	**16**	**18**	**20**	**22**	**24***
b js14	8	10	12	12	12	12	14	14	14	16
Ød$_2$ h13	16	20	22	25	25	28	32	32	36	40
Ød$_3$	M4	M5	M6	M6	M6	M6	M6	M6	M6	M8
Set screws	M4x6	M5x8	M6x8	M6x8	M6x8	M6x8	M6x8	M6x8	M6x10	M8x12
Ød$_1$ H8	**25**	**26***	**28***	**30**	**32**	**35***	**36**	**40**	**45**	**50**
b js14	16	16	16	16	16	16	16	18	18	18
Ød$_2$ h13	40	40	45	45	50	56	56	63	70	80
Ød$_3$	M8	M8	M8	M8	M8	M8	M8	M10	M10	M10
Set screws	M8x10	M8x10	M8x12	M8x10	M8x12	M8x12	M8x12	M10x16	M10x16	M10x76

Carlig din otel cu blocare
7.78 DIN 689





DIN 689 -Carlig din otel cu blocare
(Eye hook with safety latch)

Nominal size (load capacity [T])	0,25	0,5	1	1,6	2,5	4,0	5	6,3
d_1	7	10	13,5	16	20	25	28	31,5
d_2	12	16	20	26	32	40	46	52
e	64	85	116	138	174	219	246	277
g	18	24	33	39	49	62	69	78
l	88,5	117,5	160,5	190,5	240	302	339	381,5

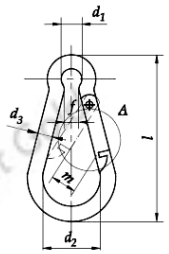
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
705A	-	-	Natur; Zincat	-
689	-	-	Zincat	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Carabina
7.79 DIN 5299C

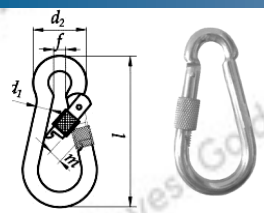




DIN 5299C -Carabina
(Snap hook)

Nom. Size	40*	50	60	70	80	90	100	110	120	130
l	40	50	60	70	80	90	100	110	120	130
d_1	4	8	9	10	12	12	15	15	18	18
d_2	-	15	17	19	23	24	29	30	36	38
d_3	4	5	6	7	8	9	10	10	11	11
f	4	4	6	8	8	9	10	10	11	11
m	7	7	8	8	10	10	11	13	16	16
Udzwig kg	-	120	120	180	230	250	350	400	450	450
Nom. Size	**140**	**160**	**180**	**200**						
l	140	160	180	200						
d_1	20	22	22	24						
d_2	40	54	72	72						
d_3	12	13	14	15						
f	14	16	16	16						
m	19	23	33	33						
Udzwig kg	510	600	650	700						

Carabina cu piulita
7.80 AN 106



AN 106 -Carabina cu piulita
(Snap hook with screw nut)

Nom. Size	60	80	100	120
l	60	80	100	120
d_1	6	8	10	11
d_2	9	10	15	18
f	6	8	10	11
m	7	9	12	18

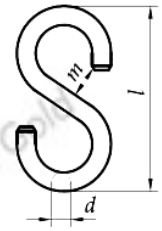
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
5299C	-	-	Zincat	-
AN 106	-	-	Zincat	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

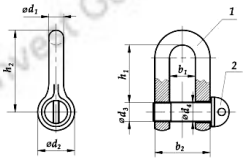
Carlig forma S
7.81 AN 103



AN 103 -Carlig forma S
(S-hooks)

Dimensiuni	2	2,5	3	4	5	6	8
l	30	28	30	35	45	55	75
m	4	4,5	5	6,5	9	10	15

Brida zincata de prindere
7.82 DIN 82101A





DIN 82101A -Brida zincata de prindere
(Shackles)

Nominal size	0,1	0,16	0,25	0,4	0,60	1	1,6	2	2,5	3	4
b_1	7	8	11	14	17	21	27	30	33	38	42
b_2	15	18	25	30	37	47	81	58	75	85	96
d_1	4	5	7	8	10	13	17	19	21	24	27
d_3	M5	M6	M8	M10	M12	M16	M20	M22	M24	M27	M30
d_4	5	6	8	10	12	16	20	22	24	27	30
h_1	15,5	18	24	30	36	49	61	67	73	83,5	91
Nominal size	**5**	**6**	**8**	**10**	**12**	**16**	**20**				
b_1	47	53	60	66	73	81	90				
b_2	107	121	136	150	167	185	206				
d_1	30	34	38	42	47	52	58				
d_3	M36	M39	M45	M48	M52	M6	M68				
d_4	36	39	45	48	52	60	68				
h_1	111	119,5	139,5	147	158	18,	211				

Informatii utile:

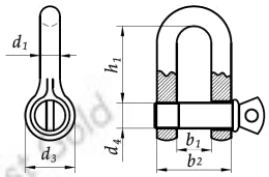
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 103	-	-	Zincat	-
82101A	-	-	Zincat	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

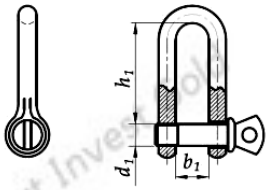
Brida zincata de prindere sarcini grele
7.83 AN-0098



AN-0098 -Brida zincata de prindere sarcini grele
(Shackles, high tensile)

Nominal size	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"
Load capacity	0,5	0,75	1	1.S	2	3,25	4,75	6,5	8,5	9,5	12
b_1	12	13	16	18	21	27	32	36	43	46	52
b_2	26	29	36	40	47	59	70	80	93	104	116
d_1	6	8	10	11	13	16	19	22	25	29	32
d_3	17	21	26	28	30	42	48	57	62	69	78
d_4	M8	M10	M12	M14	M16	M20	M22	M27	M28	M33	M36
h_1	22	26	31	36	41	51	60	71	81	90	100
Nominal size	**1 3/8**	**1 1/2"**	**1 3/4"**	**2"**	**2 1/2"**						
Load capacity	13,5	17	25	35	55						
b_1	57	60	73	83	106						
b_2	127	136	161	185	232						
d_1	35	38	44	51	63						
d_3	86	94	112	135	158						
d_4	M39	M42	M52	M60	M72						
h_1	113	124	146	171	203						

Brida INOX de prindere
7.84 AN 102



AN 102 -Brida INOX de prindere
(Stainless steel shackles)

Dimensiuni	5	6	8	10	12
b_1	10	12	16	20	25
b_2	20	24	32	39	48
d_1	5	6	8	10	12
d_3	10	12	16	20	23
d_4	M5	M6	M8	M10	M12
h_1	20	24	32	40	48

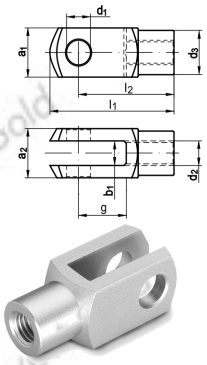
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN-0098	-	-	Zincat	-
AN 102	-	-	-	INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

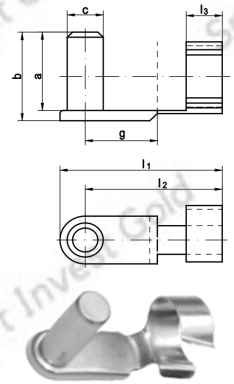
Furci cu clips
7.85 DIN 71752



DIN 71752 -Furci cu clips
(Fork joints)

Dimensiuni	6	8	10	12	16	20
g	24/12	16/32	20/40	24/48	32/64	40
a_1	12	16	20	24	32	40
a_2	12	16	20	24	32	40
b_1	6	8	10	12	16	20
d_2	M6	M8	M10	M12	M16	M20
d_3	10	14	18	20	26	34
l_1	31/43	42/58	52/72	63/86	72/101	105
l_2	24/36	32/48	40/60	48/72	64/96	80

Furci cu clips
7.86 Article 88752



Article 88752 -Furci cu clips
(Spring flap bolts)

Dimensiuni	6x12	6x24	8x16	8x32	10x20	10x40	12x24	12x48
c	6	6	8	8	10	10	12	12
a	14	14	19	19	23	23	28	28
b	16	16	21.5	21.5	26	26	31	31
l_1	28	40	37	52	45	65	53	78
l_2	23	35	30	46	38	58	45	69
l_3	6.5	6.5	8	8	10	10	12	12
Dimensiuni	**16x32**	**16x64**	**20x40**					
c	16	16	20					
a	34	34	44					
b	38	38	47					
l_1	73	103	98					
l_2	62	92	81					
l_3	16	16	19					

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

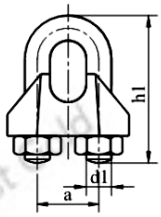
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
71752	-	-	Zincat	-
88752	-	-	Zincat	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

Brida pentru cabluri
7.87 DIN 741

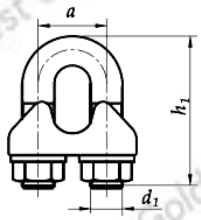




Nom. size	3	4*	5	6,5	8	9,5*	10	11	12*	13
Rope dia.Ø	3	4	5	6,5	8	9,5	10	11	12	13
d_1	M4	M4	M5	M5	M6	M8	M8	M8	M10	M10
h_1	20	22	24	28	34	42	42	44	55	55
a	9	5	11	13	16	19	19	20	24	24
Nom. size	**14**	**1**	**19**	**22**	**26**	**30**	**34**	**40**	**45***	
Rope dia.Ø	14	16	19	22	26	30	34	40	45	
d_1	M10	M12	M12	M14	M14	M16	M16	M16	M18	
h_1	57	63	75	85	95	110	120	140	165	
a	25	29	32	37	41	48	52	58	65	

DIN 741 -Brida pentru cabluri
(Wire rope clip)

Brida de siguranta pentru cabluri
7.88 DIN 1142





Nom. Size	5	6,5	8	10	12	13	14	16	19	22	26
Rope dia. Ø	5	6,5	8	10	12	13	14	16	19	22	26
d_1	M5	M6	M8	M8	M10	M12	M12	M14	M14	M16	M20
h_1	25	32	41	46	56	64	66	78	83	96	118
h_2	13	14	18	21	25	29.5	30.5	35	40	44	51
a	12	14	18	20	24	26	28	32	36	40	46
l	25.5	30	39	40	50	54	59	64	68	74	84
Nom. Size	**30**	**34**	**40**								
Rope dia. Ø	30	34	40								
d_1	M20	M22	M24								
h_1	130	150	166								
h_2	59	67	77								
a	54	60	68								
l	95	105	117								

DIN 1142 -Brida de siguranta pentru cabluri
(Safety wipe rope clip)

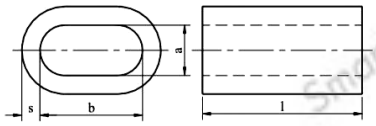
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
741	-	-	Zincat	INOX A4
1142	-	-	Zincat galben	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Fixare cablu
7.89 DIN 3093





DIN 3093 -Fixare cablu
(Press clip)

Nom. size	1	1,5	2	2,5	3	4	4,5	5	6	6,5	7
Rope dia.Ø	1	1,5	2	2,5	3	4	4,5	5	6	6,5	7
a	1.2	1,7	2.4	2,7	3.3	4,4	4,9	5,5	6,6	7,2	7.8
b	2.4	3,4	4.8	5,4	6,6	8,8	9,8	11,0	13,2	14,4	15,6
l	5	6	7	9	11	14	16	18	21	23	25
s	0,65	0,75	0,85	1,05	1,25	1,70	1,90	2,10	2,50	2,70	2,90
Nom. size	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**16**	**18**	**20**	**22**
Rope dia.Ø	8	9	10	11	12	13	14	16	18	20	22
a	8,	9,9	10,9	12,1	13,2	14,2	15,3	17,5	19,6	21,7	24,3
b	17,6	19,8	21,8	24,2	26,4	28,4	30,6	35,0	39,2	43,4	48,6
l	28	32	35	39	42	46	49	56	63	70	77
s	3,30	3,70	4,10	4,50	4,90	5,40	5,80	6.7	7,60	8,40	9,20

Informatii utile:

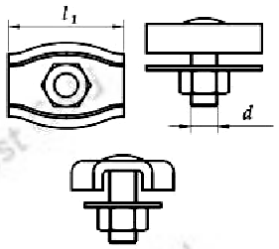
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
3093	-	-	-	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

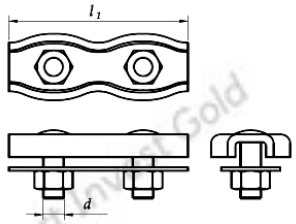
Clema cabluri simpla
7.90 AN 96



AN 96 -Clema cablu simpla
(Simplex wire rope clip)

Nom. Size	2	3	4	5	6	7	8	10
Rope dia.Ø	2	3	4	5	6	7	8	10
l_1	15	17	20	25	30	33	37	42
d_1	M4	M4	M5	M5	M6	M8	M8	M10

Clema cabluri dubla
7.91 AN 97



AN 97 -Clema cablu dubla
(Duplex wire rope clip)

Nom. Size	2	3	4	5	6	7	8	10
Rope dia.Ø	2	3	4	5	6	7	8	10
l_1	30	35	40	50	60	64	75	84
d	M4	M4	M5	M5	M6	M8	M8	M10

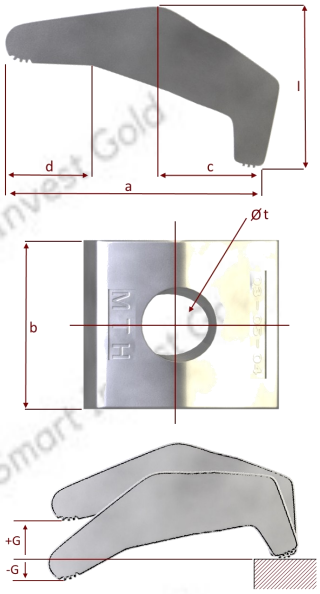
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 96	-	-	Zincat	INOX A4
AN 97	-	-	Zincat	INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
©SMART INVEST GOLD SRL

Clema MTH
7.92 MTH



Nova Grip clamping plate

Article number	Tensile force limit, 4 screws at 0 KN shear force *		Shear force limit, 4 screws at 0 KN tensile force *		Clamping range -/+G	Torque moment		
	Electrogalvanised /hot dip galvanised	8.8 in kN	10.9 HV in kN	8.8 in kN	10.9 HV in kN	from/to in mm	8.8 oiled in Nm	10.9 in Nm
Nova Grip M10 clamping plates	1000/1011	17,8	30,4	3,6	6,1	-6 to +10	40	60
Nova Grip M12 clamping plates	1001/1008	24,7	33,6	5	6,7	-6 to +14	75	85
Nova Grip M12 LA clamping plates	1002/1027	14,8	-	3	-	-4 to +13	65	-
Nova Grip M16 clamping plates	1004/1009	42	75,2	8,2	15	-7 to +17	160	160
Nova Grip M16 RF clamping plates	1005/1029	33	-	6,6	-	-6 to +17	160	-
Nova Grip M20 clamping plates	1006/1010	55,1	95,5	11	19,1	-11 to +23	290	350
Nova Grip M24 clamping plates	1007/1028	-	134,8	-	27	-10 to +23	-	500

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
MTH	-	-	Zincat	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

Clema MTH

Article number	Dimensions in mm					
	electrogalvanised /hot dip galvanised	a	b	c	d	l
Nova Grip M10 clamping plates	1000/1011	36	32	16	13	20
Nova Grip M12 clamping plates	1001/1008	43	38	19	17	23
Nova Grip M12 LA clamping plates	1002/1027	53	38	19	25	23
Nova Grip M16 clamping plates	1004/1009	57	50	25	20	30
Nova Grip M16 RF clamping plates	1005/1029	80	50	30	38	30
Nova Grip M20 clamping plates	1006/1010	71	63	31	25	38
Nova Grip M24 clamping plates	1007/1028	86	76	38	30	43

Informatii utile:

- Pentru filete in inch: UNC/UNF; BSW/BSF **vezi categoria Inch**
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

IMPORTANT!

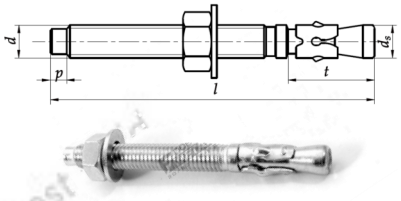
- Putem comercializa produsul si cu pas fin, pentru a-l stabili vezi pagina 305

DIN	Tip filet	Grupa otel/ Material	Acoperire	Disponibilitate INOX
MTH	-	-	Zincat	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

©SMART INVEST GOLD SRL

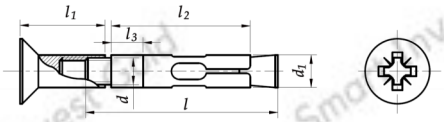
Ancora standard
7.93 AN 217



AN 217 -Ancora standard
(Wedge anchor)

Dimensiuni		M8	M10	M12	M16	M20
d_s	max	8.05	10.05	12.05	16.05	20.05
	min	7.9	9.9	11.88	15.85	19.85
t	max	25.2	28.91	34.26	41.6	45.86
	min	23.6	27.31	32.66	38	44.26
p	max	4	5	5	5	5
	min	3	4	4	4	4

Ancora cu cap inecat
7.94 AN 228



AN 228 -Ancora cu cap inecat
(Sleeve anchors cross recessed flat head

Dimensiuni	8x60	8x85	8x100	10x102	10x120
d_1	8	8	8	10	10
l_1	36	60	60	70	70
l_2	23	23	23	25	25

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 217	-	-	Natur; Zincat	INOX A4
AN 228	-	-	Natur; Zincat; Zincat galben	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

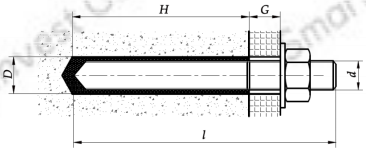
Ancora pentru beton
7.95 AN 233



AN 233 -Ancora pentru beton
(Hexagon washer head threaded anchors)

Dimensiune		7.5x35	7.5x45	7.5x60	7.5x80	7.5x100	7.5x120
d		7.5	7.5	7.5	7.5	7.5	7.5
d_k		14.2	14.2	14.2	14.2	14.2	14.2
l ±1.5		35	45	60	80	100	120
l1	max	fully threaded		50	50	50	50
	min			48	48	48	48
k		6.6					
p		6					
s		10					
D*		6					
G*		0-10	0-10	0-20	20-40	40-60	60-80

Ancora chimica
7.96 AN 236



AN 236 -Ancora chimica
(Chemical anchors)

d	M8	M10	M12	M16	M20	M24
l	110	130	160	19	260	300
H_{min}	80	90	110	125	170	210
D*	10	12	14	18	24	28
G_{max}	18	25	34	45	55	55

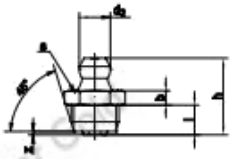
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
AN 233	-	-	Natur; Zincat	-
AN 236	-	-	-	-

©SMART INVEST GOLD SRL

Ungator forma A. 180°
7.97 DIN 71412

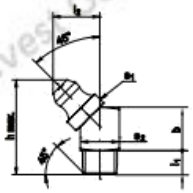




DIN 71412A -Ungator forma A.180°
(Grease fitting form A)

Dimensiuni	M 6X1	M 6X1	M 8x1	AR 1/8	M 10X1	AR 1/4
h_{max}	16	16	16	16	16	16
l	5.5	5.5	5.5	5.5	5.5	5.5
d_2	6.5	6.5	6.5	6.5	6.5	6.5
b*	3	3	3	3	3	3
s	7	9	9	11	11	14
z_{max}	0.7	0.7	0.7	0.7	0.7	0.7

Ungator forma B. 45°
7.98 DIN 71412





DIN 71412B -Ungator forma A.45°
(Grease fitting form B)

Dimensiuni	M 6X1	M 8x1	M10X1
h_{max}	21	21	21
l_1	5.5	5.5	5.5
l_2	10	10	11
b	10	10	10
s_1	7	9	11
s_2 square	9	9	11

Informatii utile:

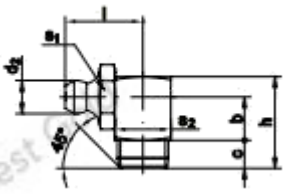
- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
71412	-	5.8	Natur; Zincat	INOX A4

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

© SMART INVEST GOLD SRL

Ungator forma C. 90°
7.99 DIN 71412

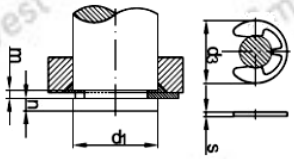




DIN 71412C -Ungator forma C, 90°
(Grease fitting form C)

Dimensiuni	M 6X1	M 8X1	M8x1.5*	M 10x1
h_{max}	18	18	18	18
c	5.5	5.5	5.5	5.5
d_2	6.5	6.5	6.5	6.5
b	8.5	8.5	8.5	8.5
s_1	9	9	9	11
s_2 square	9	9	9	11
l	14.3	14.3	14.3	15.3

Siguranta pentru arbori
7.100 DIN 6799





DIN 6799 -Siguranta pentru arbori
(Circlip for shafts)

Dimenisuni	0.8	1.2	1.5	1.9	2.3	3.2	4	5	6
d_3	2,25	3,25	4,25	4.8	6,3	7,3	9,3	11,3	12,3
s	0,2	0,3	0,4	0,5	0,6	0,6	0,7	0,7	0,7
Ø d_1	1-1,4	1,4-2	2-2.5	2.5 - 3	3 - 4	4 -5	5 - 7	6 - 8	7 - 9
m	0,24	0,34	0,44	0,54	0,64	0,64	0,74	0,74	0,74
n	0,4	0,6	0,8	1	1	1	1,2	1,2	1,2
Dimensiuni	**7**	**8**	**9**	**10**	**12**	**15**	**19**	**24**	
d_3	14,3	16,3	18,8	20,4	23,4	29,4	37,6	44,6	
s	0,9	1	1,1	1,2	1,3	1,5	1,75	2	
Ø d_1	8 - 11	9 - 12	10 -14	11 - 15	13 - 18	16-24	20-31	25-38	
m	0,94	1,05	1,15	1,25	1,35	1,55	1,80	2,05	
n	1,5	1,8	2	2	2,5	3	3,5	4	

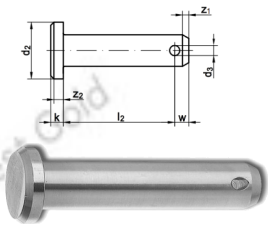
Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
71412	-	5.8	Natur; Zincat	INOX A4
6799	-	-	Natur; Zincat; Fosfatat	INOX A2

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
©SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

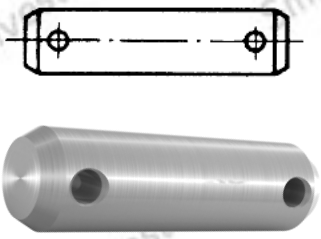
Bolt cu cap si gaura
7.101 DIN 1444B ; DIN 1434 ; DIN 1435 ; DIN 1436 / ISO 2341



DIN 1444B -Bolt cu cap si gaura
(Splint pin hole)

Dimensiuni	8	10	12	16	18	20
d_2	14	18	20	25	28	30
d_3	2	3.2	3.2	4	5	5
k	3	4	4	4.5	5	5
w	3.5	4.5	5.5	6	7	8
Z_1 max	2	2	3	3	3	4
z_2	1	1	1.6	1.6	1.6	2
for split pin ø	2	3.2	3.2	4	5	5

Bolt cu gauri pe capete
7.102 DIN 1443B



DIN 1443B -Bolt cu gauri pe capete
(Clevis pins without head)

d h11	4	5	6	8	10	12	14	16
d_1 H13	1	1.2	1.6	2	3.2	3.2	4	4
c max	1	2	2	2	2	3	3	3
w	2.2	2.9	3.2	3.5	4.5	5.5	6	6
d h11	**18**	**20**	**22**	**24**	**27**	**30**	**33**	**36**
d_1 H13	5	5	5	6.3	6.3	8	8	8
c max	3	4	4	4	4	4	4	4
w	7	8	8	9	9	10	10	10
d h11	**40**	**45**	**50**	**55**	**60**	**70**	**80**	**90**
d_1 H13	8	10	10	10	10	13	13	13
c max	4	4	4	6	6	6	6	6
w	10	12	12	14	14	16	16	16

Informatii utile:

- La comanda se pot efectua si furniza produsele si la alte dimensiuni sau tip de protectie decat cele precizate.

DIN	Duritate HV	Grupa otel/ Material	Acoperire	Disponibilitate INOX
1444B	-	-	Zincat	A2
1443B	-	-	Zincat	A2

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

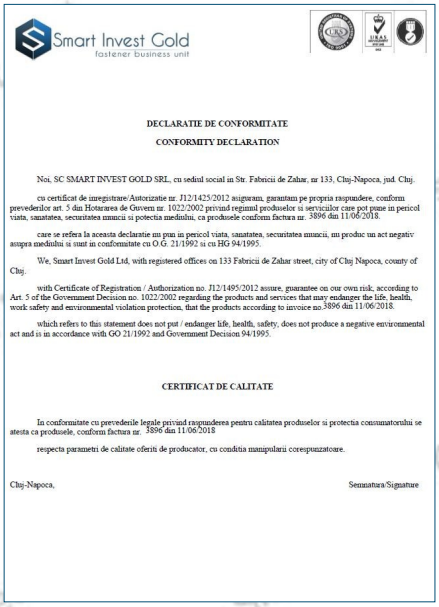
© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

Certificate
Certificate

Produsele noastre sunt intotdeauna insotite de:
Our products are always accompanied by:

- Declaratie de conformitate



DECLARATIE DE CONFORMITATE

CONFORMITY DECLARATION

Noi, SC SMART INVEST GOLD SRL, cu sediul social in Str. Fabricii de Zahar, nr 133, Cluj-Napoca, jud. Cluj.

cu certificat de inregistrare/Autorizatie nr. J12/1425/2012 asiguram, garantam pe propria raspundere, conform prevederilor art. 5 din Hotararea de Guvern nr. 1022/2002 privind regimul produselor si serviciilor care pot pune in pericol viata, sanatatea, securitatea muncii si protectia mediului, ca produsele conform factura nr. 3896 din 11/06/2018.

care se refera la aceasta declaratie nu pun in pericol viata, sanatatea, securitatea muncii, nu produc un act negativ asupra mediului si sunt in conformitate cu O.G. 21/1992 si cu HG 94/1995.

We, Smart Invest Gold Ltd, with registered offices on 133 Fabricii de Zahar street, city of Cluj Napoca, county of Cluj.

with Certificate of Registration / Authorization no. J12/1495/2012 assure, guarantee on our own risk, according to Art. 5 of the Government Decision no. 1022/2002 regarding the products and services that may endanger the life, health, work safety and environmental violation protection, that the products according to invoice no.3896 din 11/06/2018.

which refers to this statement does not put / endanger life, health, safety, does not produce a negative environmental act and is in accordance with GO 21/1992 and Government Decision 94/1995.

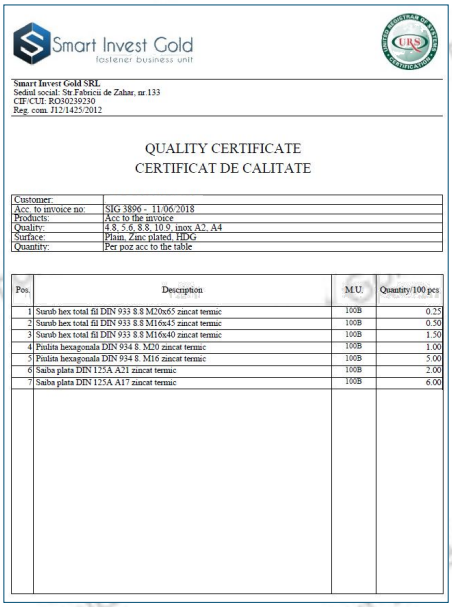
CERTIFICAT DE CALITATE

In conformitate cu prevederile legale privind raspunderea pentru calitatea produselor si protectia consumatorului se atesta ca produsele, conform factura nr. 3896 din 11/06/2018

respecta parametri de calitate oferiti de producator, cu conditia manipularii corespunzatoare.

Cluj-Napoca, Semnatura/Signature

- Certificat de calitate



Smart Invest Gold SRL
Sediul social: Str Fabricii de Zahar, nr.133
CIF/CUI: RO30239230
Reg. com. J12/1425/2012

QUALITY CERTIFICATE
CERTIFICAT DE CALITATE

Customer:	
Acc. to invoice no:	SIG 3896 - 11/06/2018
Products:	Acc to the invoice
Quality:	4.8, 5.6, 8.8, 10.9, inox A2, A4
Surface:	Plain, Zinc plated, HDG
Quantity:	Per poz acc to the table

Pos.	Description	M.U.	Quantity/100 pcs
1	Surub hex total fil DIN 933 8.8 M20x65 zincat termic	100B	0.25
2	Surub hex total fil DIN 933 8.8 M16x45 zincat termic	100B	0.50
3	Surub hex total fil DIN 933 8.8 M16x40 zincat termic	100B	1.50
4	Piulita hexagonala DIN 934 8. M20 zincat termic	100B	1.00
5	Piulita hexagonala DIN 934 8. M16 zincat termic	100B	5.00
6	Saiba plata DIN 125A A21 zincat termic	100B	2.00
7	Saiba plata DIN 125A A17 zincat termic	100B	6.00

- Certificat de sistem management al calitatii



Certificat de înregistrare

Acest certificat se acordă organizației

SMART INVEST GOLD SRL

Calea Dorobanților, Nr.112/22, 400609 Cluj-Napoca, Punct de lucru: Str. Fabricii de Zahăr, Nr. 133, 400624 Cluj-Napoca, Jud. Cluj, România

pentru recunoașterea Sistemului de Management al Calității în conformitate cu cerințele

ISO 9001:2008

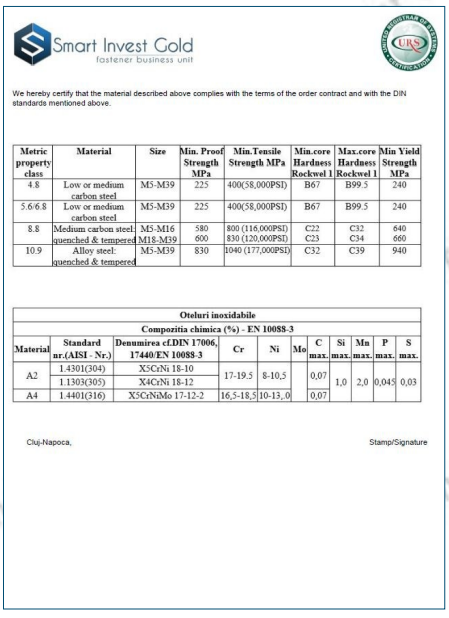
Domeniul de activitate acoperit de acest certificat este

Comerț cu ridicata nespecializat, importul și distribuția de organe de asamblare și elemente de fixare

Numărul certificatului:	Data eliberării: (Original)	Data expirării:	Nr. ediției:
59282/A/0001/UK/Ro	21 iulie 2013	14 septembrie 2018	2
Data emiterii:	Data limită a primului audit anual de supraveghere:	Data limită pentru al doilea audit anual de supraveghere:	
17 august 2016	16 august 2017	16 august 2018	

Eliberat de: *În numele Directorului General*

- Certificat de calitate cu caracteristici tehnice



Smart Invest Gold
fastener business unit

We hereby certify that the material described above complies with the terms of the order contract and with the DIN standards mentioned above.

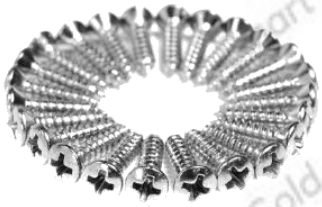
Metric property class	Material	Size	Min. Proof Strength MPa	Min.Tensile Strength MPa	Min.core Hardness Rockwel 1	Max.core Hardness Rockwel 1	Min Yield Strength MPa
4.8	Low or medium carbon steel	M5-M39	225	400(58,000PSI)	B67	B99.5	240
5.6/6.8	Low or medium carbon steel	M5-M39	225	400(58,000PSI)	B67	B99.5	240
8.8	Medium carbon steel; quenched & tempered	M5-M16 M18-M39	580 600	800 (116,000PSI) 830 (120,000PSI)	C22 C23	C32 C34	640 660
10.9	Alloy steel; quenched & tempered	M5-M39	830	1040 (177,000PSI)	C32	C39	940

Oteluri inoxidabile											
Compozitia chimica (%) - EN 10088-3											
Material	Standard nr.(AISI - Nr.)	Denumirea cf.DIN 17006, 17440/EN 10088-3	Cr	Ni	Mo	C max.	Si max.	Mn max.	P max.	S max.
A2	1.4301(304)	X5CrNi 18-10	17-19,5	8-10,5		0,07	1,0	2,0	0,045	0,03
	1.1303(305)	X4CrNi 18-12								
A4	1.4401(316)	X5CrNiMo 17-12-2	16,5-18,5	10-13, 0		0,07				

Cluj-Napoca, Stamp/Signature

©SMART INVEST GOLD SRL

Clasificarea suruburilor



♦ Șuruburi cu cap cilindric:

Șuruburi cu cap cu cap cilindric striat
Șuruburi cu cap cilindric și locaș hexagonal
Șuruburi cu cap cilindric crestat
Șuruburi cu cap cilindric și locaș cruciform
Șuruburi cu cap pătrat
Șuruburi cu cap pătrat mic
Șuruburi cu cap pătrat excentric
Șuruburi cu cap hexagonal

♦ Șuruburi cu cap înecat:

Șuruburi cu cap înecat și locaș hexagonal
Șuruburi cu cap înecat crestat
Șuruburi cu cap înecat și locaș cruciform
Șuruburi cu cap înecat și nas

♦ Șuruburi cu cap semiînecat:

Șuruburi cu cap semiînecat și crestătură
Șuruburi cu cap semiînecat și locaș cruciform
Șuruburi cu ochi

♦ Șuruburi cu cap bombat:

Șuruburi cu cap bombat și nas
Șuruburi cu cap bombat și locaș cruciform
Șuruburi cu cap bombat și locaș hexagonal
Șuruburi cu cap bombat și crestătură

♦ Șuruburi fără cap (știfturi filetate):

Șuruburi fără cap cu crestătură
Șuruburi fără cap cu locaș hexagonal
Șuruburi fără cap cu locaș cruciform
Șuruburi cu două capete filetate stânga - dreapta (tiranți)
Prezoane
Tije filetate

	Plat (Cap cu șanț plat)
	Phillips PH
	Pozidriv (SupaDriv) PZ
	Profil Pătrat
	Robertson (Cheie Pătrată)
	Hexagonal (Profil hexagonal)
	Imbus (Allen cu Cheie imbus internă)
	Torx T & TX (Stelat)
	Torx securizat TR
	Tri-Wing (Trei-Aripi)
	Torq (Patru Aripi Pline)
	Cap cu Prinderi (Ochi de Șarpe)
	Triplu pătrat XZN
	Cap Poly
	Unidirecțional
	Splinat
	Dublu hexagonal
	Bristol
	Pentalobular

© SMART INVEST GOLD SRL

Grupe de caracteristici mecanice										
Caracteristica mecanica			4.6	4.8	5.8	6.8	8.8 pana la M16	8.8 dupa M16	10.9	12.9
Rezistenta la rupere la tractiune- Rm(N/mm2)		NOM	400	400	500	600	800	800	1000	1200
		MIN	400	420	500	600	800	830	1040	1220
Duritale Brinnel F=30*D2 HB		MIN	114	124	152	181	219	242	295	353
		MAX	209	209	209	238	285	319	363	412
Duritale Rockwell	HRB	MIN	67	71	82	89				
		MAX	95	95	95	99.5				
	HRC	MIN					20	23	31	38
		MAX					30	34	39	44
Duritate Vickers	HV	MIN	120	130	160	190	230	255	310	372
		MAX	220	220	220	250	300	336	382	434
Duritale superficiala	HV0.3	MAX					320	356	402	454
Limita de curgere aparenta	Re (N/mm2)	NOM	240	320	400	480				
		MIN	240	340	420	480				
Limita de curgere conventionala	Rp0.2 (N/mm2)	NOM					640	640	900	1080
		MIN					640	660	940	1100
Rezistenta la sarcitis de incercare	Tensiunea de incercare Sp(N/mm2)		225	310	380	440	580	600	830	970
	Sp/Re sau Sp/Rp0.2		0.94	0.91	0.94	0.91	0.91	0.91	0.88	0.88
Alungirea la rupere - A5%		MIN	22	14	20	10	12	12	9	8
Starea materialului in produsul finit		Fara tratament termic					Cu tratament termic			

Categoria de executie	**Simbol**		**Grupe de caracteristici mecanice**						
	STAS	DIN	4.8	5.8	6.8	8.8 pana la M16	8.8 dupa M16	109	129
Precisa	A	A	NU	NU	DA	DA	DA	DA	DA
Semiprecisa	B	B	DA	DA	DA	DA	NU	NU	NU
Grosolana	C	C	DA	DA	NU	NU	NU	NU	NU

©SMART INVEST GOLD SRL

Clasificarea piulitelor



♦ După forma exterioară:

Acționate cu mâna liberă
Piulițe cilindrice striate
Piulițe cilindrice cu mâner
Piulițe fluture

♦ Acționate prin intermediul unei chei:

Piulițe cilindrice cu găuri frontale
Piulițe cilindrice cu găuri radiale
Piulițe cilindrice cu caneluri (pentru rulmenți)

♦ Piulițe hexagonale:

Piulițe hexagonale joase
Piulițe hexagonale înalte
Piulițe pătrate
Piulițe hexagonale crenelate
Piulite crenelate

Categoria de executie	Grupe de caracteristici mecanice					
	4	5	6	8	10	12
Tensiunea de incercare - N/mm2	400	500	600	800	1000	1200
Duritate Brinell - max	302	302	302	302	353	353
Duritate Rockwell - max	30	30	30	30	36	36

Categoria de executie	Simbol		Grupe de caracteristici mecanice				
	Stas	DIN	4	5	6	8	10	12
Precisa	A	A	NU	NU	DA	DA	DA	DA
Semiprecisa	B	B	DA	DA	DA	DA	NU	NU
Grosolana	C	C	DA	DA	NU	NU	NU	NU

© SMART INVEST GOLD SRL

Clasificarea saibelor



- **Saibe pentru protecția zonei de strângere:**

Saibe de protecție (plate, rotunde)

Saibe pentru profil I și U

- **Saibe de siguranță împotriva deșurubării:**

Saibe elastice dințate

Saibe elastice bombate

Saibe elastice ondulate

Saibe elastice Grower

	Flat Washer
	Spring Washer
	Internal Tooth Washer
	External Tooth Washer
	Overlap Washer Internal
	Overlap Washer External
	Two Tongue Washer
	Taper Washer
	Nord-Lock Washer
	Cup Washer
	Contact Washer
	Wave Washer
	Curved Washer
	Serrated Locked Washer For Flat Hd Screw
	Contact Washer with Pilot Point
	Conical Spring Washer

Indicatii pentru oteluri inoxidabile

Compozitia chimica (%) - EN 10088-3										
Material	Standard nr. (AISI - Nr.)	Denumirea cf.DIN 17006, 17440/EN 10088-3	Cr	Ni	Mo	C max.	Si max.	Mn max.	P max.	S max.
A1	1.4305(303)	X8CrNiS 18-9	17-19.0	8 -10,.0	<0,7	0,10	1,0	2,0	0,045	0,15-0,35
A2	1.4301(304)	X5CrNi 18-10	17-19.5	8-10,5		0,07	1,0	2,0	0,045	0,03
	1.1303(305)	X4CrNi 18-12								
A3	1.4541(321)	X6CrNiTi 18-10	17-19	9-12,.0		0,08				
A4	1.4401(316)	X5CrNiMo 17-12-2	16,5-18,5	10-13,.0	2,0-2,5	0,07				
A5	1.4571(316 Ti)	X6CrNiMoTi 17-12-2		10,5-13,5		0,08				

©SMART INVEST GOLD SRL

Pasuri si filete metrice

Dimensiunile nominale ale filetelor metrice cu diametre nominale de la 4 la 100 mm

Diametrul nominal al filetului D=d [mm]			Pasul p	Dimensiuni nominale	
şirul			[mm]	$D_2=d_2$	$D_1=d_1$
				[mm]	[mm]
Metric	2	3	Pasul	Diam. Cap	6
4			**0,7**	3,545	3,242
			0,5	3,675	3,459
	4,5		**0,75**	4,013	3,688
			0,5	4,175	3,959
5			**0,8**	4,480	4,134
			0,5	4,675	4,459
		5,5	0,5	5,175	4,959
6			**1**	5,350	4,917
			0,75	5,513	5,188
		7	**1**	6,350	5,917
			0,75	6,513	6,188
8			**1,25**	7,188	6,647
			1	7,350	6,917
			0,75	7,513	7,188
		9	**1,25**	8,188	7,647
			1	8,350	7,917
			0,75	8,513	8,188
10			**1,5**	9,026	8,376
			1.25	9,188	9,647
			1	9,350	8,917
			0,75	9,513	9,188
		11	**1,5**	10,026	9,373
			1	10,350	9,917
			0,75	10,513	10,188
12			**1,75**	10,863	10,106
			1,5	11,026	10,376
			1,25	11.188	10,647
			1	11,350	10,917
	14		**2**	12,701	11,825
			1,5	13,026	12,376
			1,25	13,188	12,647
			1	13,350	12,917
		15	1,5	14,026	13,376
			1	14,350	13,917
16			**2**	14,701	13,835
			1,5	15,026	14,376
			1	15,350	14,917
		17	1,5	16,026	15,376
			1	16,350	15,917

Dimensiunile nominale ale filetelor metrice cu diametre nominale de la 4 la 100 mm

Diametrul nominal al filetului D=d [mm]			Pasul p	Dimensiuni nominale	
şirul			[mm]	$D_2=d_2$	$D_1=d_1$
				[mm]	[mm]
Metric	2	3	Pasul	Diam. Cap	6
	18		**2,5**	16,376	15,294
			2	16,701	15,835
			1,5	17,026	16,376
			1	17,350	16,917
20			**2,5**	18,376	17,294
			2	18,701	17,835
			1,5	19,026	18,376
			1	19,350	18,917
	22		**2,5**	20,376	19,294
			2	20,701	19,835
			1,5	21,026	20,376
			1	21,350	20,917
24			**3**	22,051	20,752
			2	22,701	21,835
			1,5	23,026	22,376
			1	23,350	22,917
		25	2	23,701	22,835
			1,5	24,026	23,376
			1	24,350	23,917
		26	1,5	26,026	24,376
	27		**3**	25,061	23,752
			2	25,701	24,835
			1,5	26,026	25,376
			1	26,350	25,917
		28	2	26,701	25,835
			1,5	27,026	26,376
			1	27,350	26,917
30			**3,5**	27,727	26,211
			3	28,051	26,752
			2	28,701	27,835
			1,5	29,026	28,376
			1	29,350	28,917
		32	2	30,701	29,835
			1,5	31,026	30,376
	33		**3,5**	30,727	29,211
			3	31,051	29,752
			2	31,701	30,835
			1,5	32,026	31,376
		35	1,5	34,026	33,376

© SMART INVEST GOLD SRL

Pasuri si filete metrice

Dimensiunile nominale ale filetelor metrice cu diametre nominale de la 4 la 100 mm

Diametrul nominal al filetului D=d [mm]			Pasul p	Dimensiuni nominale	
şirul			[mm]	$D_2=d_2$ [mm]	$D_1=d_1$ [mm]
Metric	2	3	Pasul	Diam. Cap	6
36			**4**	33,402	31,670
			3	34,051	32,752
			2	34,701	33,835
			1,5	35,026	34,376
		38	1,5	37,026	36,376
	39		**4**	36,402	34,670
			3	37,051	35,752
			2	37,701	36,835
			1,5	38,026	37,376
		40	3	38,051	36,752
			2	38,701	37,835
			1,5	39,026	38,376
42			**4,5**	39,077	37,129
			4	39,402	37,670
			3	40,051	38,752
			2	40,701	39,835
			1,5	41,026	40,376
	45		**4,5**	42,077	40,129
			4	42,402	40,670
			3	43,051	41,752
			2	43,701	42,835
			1,5	44,026	43,376
48			**5**	44,752	42,587
			4	45,402	43,670
			3	46,051	44,752
			2	46,701	45,835
			1,5	47,026	46,376
		50	3	48,051	46,752
			2	48,701	47,835
			1,5	49,026	48,376
	52		**5**	48,752	46,587
			4	49,402	47,670
			3	50,051	48,752
			2	50,701	49,835
			1,5	51,026	50,376
		55	4	52,402	50,670
			3	53,051	51,752
			2	53,701	52,835
			1,5	54,026	53,376
		56	**5,5**	52,482	50,046
			4	53,402	51,670
			3	54,051	52,752
			2	54,701	53,835
			1,5	55,026	54,376

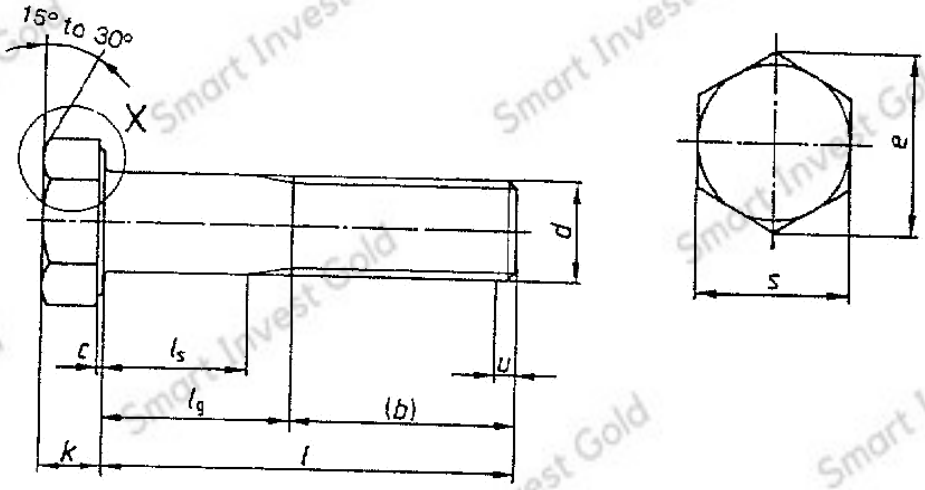
Dimensiunile nominale ale filetelor metrice cu diametre nominale de la 4 la 100 mm

Diametrul nominal al filetului D=d [mm]			Pasul p	Dimensiuni nominale	
şirul			[mm]	$D_2=d_2$ [mm]	$D_1=d_1$ [mm]
Metric	2	3	Pasul	Diam. Cap	6
		58	4	55,402	53,670
			3	56,051	54,752
			2	56,701	55,835
			1,5	57,026	56,376
	60		**5,5**	56,428	54,046
			4	57,402	55,670
			3	58,051	56,752
			2	58,701	57,835
			1,5	59,026	58,376
		62	4	59,402	57,670
			3	60,051	58,752
			2	60,701	59,835
			1,5	61,026	60,376
64			**6**	60,103	57,505
			4	61,402	59,670
			3	62,051	60,752
			2	62,701	61,835
			1,5	63,026	62,376
		65	4	62,402	60,670
			3	63,051	61,752
			2	63,701	62,835
			1,5	64,026	63,376
	68		**6**	64,103	61,505
			4	65,402	63,670
			3	66,051	64,752
			2	66,701	65,835
			1,5	67,026	66,376
72			**6**		
			4		
			3		
			2		
80			**6**		
			4		
			3		
			2		
90			**6**		
			4		
			3		
			2		
100			**6**		
			4		
			3		
			2		

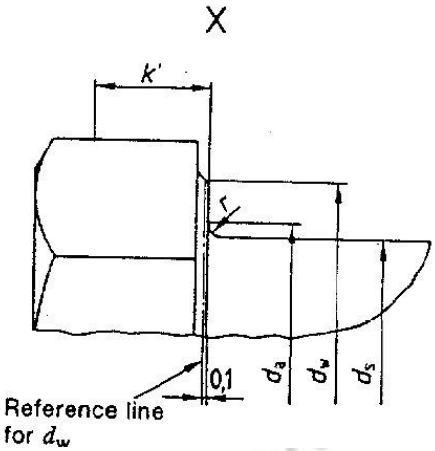
©SMART INVEST GOLD SRL

Standard de executie surub DIN 931

- This standard specifies requirements for M1.6 to M36 hexagon head bolts to product grade A for thread sized up to and including M24 and lengths smaller then 10 d or 150 mm, and assigned to product grade B for thread sized above M24 or lengths exceeding 10 d or 150 mm.
- If, in special cases, bolts are to comply with specifications othen than those given in this standard, e.g. regarding nominal nlengths, these shall be selected in accordance with the appropriate standard.



U'= maximum of 2 P incomplete thread



K'= minimum wrenching height (07 k min.)

© SMART INVEST GOLD SRL

Standard de executie surub partial filetat DIN 931

Thread Size				M1.6	M2	M2.5	M3	M3.5	M4	M5	M6
P			1	0.35	0.4	0.45	0.5	0.6	0.7	0.8	1
b		Temporary size	2	9	10	11	12	13	14	16	18
			3	-	-	-	-	-	-	22	24
			4	-	-	-	-	-	-	-	-
c			min.	0.1	0.1	0.1	0.15	0.15	0.15	0.15	0.15
			max.	0.25	0.25	0.25	0.4	0.4	0.4	0.5	0.5
da			max.	2	2.6	3.1	3.6	4.1	4.7	5.7	6.8
ds	max.=	Nominal size		1.6	2	2.5	3	3.5	4	5	6
	min.	Product grade	A	1.46	1.86	2.36	2.86	3.32	3.82	4.82	5.82
			B	-	-	-	-	-	-	-	-
dw	min.	Product grade	A	2.4	3.2	4.1	4.6	5.1	5.9	6.9	8.9
			B	-	-	-	-	-	-	-	-
e	min.	Product grade	A	3.41	4.32	5.45	6.01	6.58	7.66	8.79	11.05
			B	-	-	-	-	-	-	-	-
k		Nomial size		1.1	1.4	1.7	2	2.4	2.8	3.5	4
		A Product grade B	min.	0.98	1.28	1.58	1.88	2.28	2.68	3.35	3.85
			max.	1.22	1.52	1.82	2.12	2.52	2.92	3.65	4.15
			min.	-	-	-	-	-	-	-	-
			max.	-	-	-	-	-	-	-	-
k1			min.	0.7	0.9	1.1	1.3	1.6	1.9	2.28	2.63
r			min.	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.25
s	max.=	Nominal size		3.2	4	5	5.5	6	7	8	10
	min.	Product grade	A	3.02	3.82	4.82	5.32	5.82	6.78	7.78	9.78
			B	-	-	-	-	-	-	-	-

Nominal size	min	max	min	max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max
12	11.7	12.4	-	-	1.2	3														
14	13.7	14.4	-	-	3.2	5														
16	15.7	16.4	-	-	5.2	7	4	6	2.75	5										
18	17.7	18.4	-	-			6	8	4.75	7										
20	19.6	20.4	-	-			8	10	6.75	9	5.5	8								
22	21.6	22.4	-	-					8.75	11	7.5	10								
25	24.6	25.4	-	-					11.75	14	10.5	13	9	22	7.5	11	5	9		
28	27.6	28.4	-	-							13.5	16	12	15	10.5	14	8	12		
30	29.6	30.4	-	-							15.5	18	14	17	12.5	16	10	14	7	12
35	34.5	35.5	-	-									19	22	17.5	21	15	19	12	17
40	39.5	40.5	-	-											22.5	26	20	24	17	22
45	44.5	45.5	-	-													25	29	22	27
50	49.5	50.5	-	-													30	34	27	32
55	54.4	55.6	-	-															32	37
60	59.4	60.6	-	-															37	42

©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

Standard de executie surub partial filetat DIN 931

Thread size			M7	M8	M10	M12	M14	M16	M18	M20
P		1	1	1.25	1.5	1.75	2	2	2.5	2.5
b	Temporary size	2	20	22	26	30	34	38	42	46
		3	26	28	32	36	40	44	48	52
		4	-	-	45	49	53	57	61	65
c		min.	0.15	0.15	0.15	0.15	0.15	0.2	0.2	0.2
		max.	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8
da		max.	7.8	9.2	11.2	13.7	15.7	17.7	20.2	22.4
ds	max.= nominal size		7	8	10	12	14	16	18	20
	min. Product grade	A	6.78	7.78	9.78	11.73	13.73	15.73	17.73	19.67
		B	-	-	-	-	-	15.57	17.57	19.48
dw	min. Product grade	A	9.6	11.6	15.6	17.4	20.5	22.5	25.3	28.2
		B	-	-	-	-	-	22	24.8	27.7
e	Product grade	A	12.12	14.38	18.9	21.1	24.49	26.75	30.14	33.53
		B	-	-	-	-	-	26.17	29.56	32.95
k	nominal size		4.8	5.3	6.4	7.5	8.8	10	11.5	12.5
	Product grade A	min.	4.65	5.15	6.22	7.32	8.62	9.82	11.28	12.28
		max.	4.95	5.45	6.58	7.68	8.98	10.18	11.72	12.72
	Product grade B	min.	-	-	-	-	-	9.71	11.15	12.15
		max.	-	-	-	-	-	10.29	11.85	12.85
k1		min.	3.19	3.54	4.28	5.05	5.96	6.8	7.8	8.5
r		min.	0.25	0.4	0.4	0.6	0.6	0.6	0.6	0.8
s	max.= nominal size		11	13	17	19	22	24	27	30
	min. Product grade	A	10.73	12.73	16.73	18.67	21.67	23.67	26.67	29.67
		B	-	-	-	-	-	23.16	26.16	29.18

Nominal size	min	max	min	max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max
30	29.58	30.42	-	-	5	10														
35	35.5	35.5	-	-	10	15	6.75	13												
40	39.5	40.5	-	-	15	20	11.75	18	6.5	14										
45	44.5	45.5	-	-	20	25	16.75	23	11.5	19	6.25	15								
50	49.5	50.5	-	-	25	30	21.75	28	16.5	24	11.25	20	6	16						
55	54.4	55.6	-	-	30	35	26.75	33	21.5	29	16.25	25	11	21	7	17				
60	59.4	60.6	-	-	35	40	31.75	38	26.5	34	21.25	30	16	26	12	22				
65	64.4	65.6	-	-	40	45	36.75	43	31.5	39	26.25	35	21	31	17	27	10.5	23	6.5	19
70	69.4	70.6	-	-	45	50	41.75	48	36.5	44	31.25	40	26	36	22	32	15.5	28	11.5	24
75	74.4	75.6	-	-			46.75	53	41.5	49	36.25	45	31	41	27	37	20.5	33	16.5	29
80	79.4	80.6	-	-			51.75	58	46.5	54	41.25	50	36	46	32	42	25.5	38	21.5	34
85	84.3	85.7	-	-					51.5	59	46.25	55	41	51	37	47	30.5	43	26.5	39
90	89.3	90.7	-	-					56.5	64	51.25	60	46	56	42	52	35.5	48	31.5	44
95	94.3	95.7	-	-					61.5	69	56.25	65	51	61	47	57	40.5	53	36.5	49
100	99.3	100.7	-	-					66.5	74	61.25	70	56	66	52	62	45.5	58	41.5	54
110	109.3	110.7	-	-							71.25	80	66	76	62	72	55.5	66	51.5	64
120	119.3	120.7	-	-							81.25	90	76	86	72	82	65.5	78	61.5	74
130	129.2	130.8	-	-									80	90	76	86	69.5	82	65.5	78
140	139.2	140.8	-	-									90	100	86	96	79.5	92	75.5	88
150	149.2	150.8	-	-											96	106	89.5	102	85.5	98
160	159.2	160.8	158	162											106	116	99.5	112	95.5	108
170	169.2	170.8	168	172													109.5	122	105.5	118
180	179.2	180.8	178	182													119.5	132	115.5	128
190	189.1	190.9	187.7	192.2															125.5	138
200	199.1	200.9	197.7	202.3															135.5	148

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
© SMART INVEST GOLD SRL
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com

Smart Invest Gold
fastener business unit

Standard de executie surub partial filetat DIN 931

Thread size			M22	M24	M27	M30	M33	M36	M39
P		1	2.5	3	3	3.5	3.5	4	4
b	Temporary size	2	50	54	60	66	72	78	84
		3	56	60	66	72	78	84	90
		4	69	73	79	85	91	97	103
c		min.	0.2	0.2	0.2	0.2	0.2	0.2	0.3
		max.	0.8	0.8	0.8	0.8	0.8	0.8	1
da		max.	24.4	26.4	30.4	33.4	36.4	39.4	42.4
ds	max.= nominal size		22	24	27	30	33	36	39
	min. Product grade	A	21.67	23.67	-	-	-	-	-
		B	21.48	23.48	26.48	29.48	32.38	35.38	38.38
dw	min. Product grade	A	30	33.6	-	-	-	-	-
		B	29.5	33.2	38	42.7	46.6	51.1	55.9
e	min. Product grade	A	35.72	39.98	-	-	-	-	-
		B	35.03	39.55	45.2	50.85	55.37	50.79	66.44
k	nominal size		14	15	17	18.7	21	22.5	25
	A Product grade	min.	13.78	14.78	-	-	-	-	-
		max.	14.22	15.22	-	-	-	-	-
	B Product grade	min.	13.65	14.65	16.65	18.28	20.58	22.08	24.58
		max.	14.35	15.35	17.35	19.12	21.42	22.92	25.42
k1		min.	9.6	10.3	11.7	12.8	14.4	15.5	17.2
r		min.	0.8	0.8	1	1	1	1	1
s	max.= nominal size		32	36	41	46	50	55	60
	min. Product grade	A	31.61	35.38	-	-	-	-	-
		B	31	35	40	45	49	53.8	58.8

Normal size	min	max	min	max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max	ls min	lg max
70	69.4	70.6	-	-	7.5 12.5 17.5	20 25 30												
75	74.4	75.6	-	-														
80	79.4	80.6	-	-			11	26										
85	84.3	85.7	-	-	22.5 27.5 32.5	35 40 45	16 21 26	31 36 41										
90	89.3	90.7	88.25	91.75					15 20	30 35	6.5 11.5	24 29						
95	94.3	95.7	93.25	96.75														
100	99.3	100.7	98.25	100.8	37.5 47.5 57.5	50 60 70	31 41 51	46 56 66	25 35 45	40 50 60	16.5 26.5 36.5	34 44 54	10.5 20.5 30.5	28 38 48				
110	109.3	110.7	108.3	111.8											12 22	32 42		
120	119.3	120.7	118.3	121.8													16	36
130	129.2	130.8	128	132	61.5 71.5 81.5	74 84 94	55 65 75	70 80 90	49 59 69	64 74 84	40.5 50.5 60.5	58 68 78	34.5 44.5 54.5	52 62 72	26 36 46	46 56 66	20 30 40	40 50 60
140	139.2	140.8	138	142														
150	149.2	150.8	148	152														
160	-	-	158	162	91.5 101.5 111.5	104 114 124	85 95 105	100 110 120	79 89 99	94 104 114	70.5 80.5 90.5	88 98 108	64.5 74.5 84.5	82 92 102	56 66 76	76 86 96	50 60 70	70 80 90
170	-	-	168	172														
180	-	-	178	182														
190	-	-	187.7	192.3	121.5 131.5 138.5	134 144 151	115 125 132	130 140 147	109 119 126	124 134 141	100.5 110.5 117.5	118 128 135	94.5 104.5 111.5	112 122 129	86 98 103	106 116 123	80 90 97	100 110 117
200	-	-	197.7	202.3														
220	-	-	217.7	222.3														
260	-	-	237.7	242.3			152	167	146 166	161 181	137.5 157.5 177.5 197.5	165 175 195 215	131.5 151.5 171.5 191.5	149 169 189 209	123 143 163 183	143 163 183 203	117 137 157 177	137 157 177 197
280	-	-	257.4	262.6														
300	-	-	277.4	282.6														
			297.4	302.6														

©SMART INVEST GOLD SRL

Standard DIN, STAS, ISO, UNI, EN

Nr.Crt.	Denumire	DIN	STAS	ISO	UNI	EN
1	Nituri din otel, cu cap semirotund	~124/660	797	/1051	134/748	
2	Nituri din otel, cu cap tronconic		801			
3	Nituri din otel, cu cap semiinecat	~302	802			
4	Surub cu cap hexagonal, grosolane	601	920	4016	5727	24016
5	Piulite hexagonale, grosolane	555C	922	4034	5592	24034
6	Surub cu cap bombat si gat patrat pentru lemn grosolane	603	925	8677	5732	
7	Piulite patrate, grosolane	557C	926		5597	
8	Nituri din otel cu cap inecat mic	~662	1257	~1051		
9	Nipluri pentru radiatoare		1300			
10	Inele resort de cale ferata		1384			
11	Suruburi pentru canale T, semiprecise	787	1386			
12	Piulite pentru canale T		1387			
13	Saibe plate pentru metal, grosolane	~125/126	1388	~7089,7090, 7091,7092,7093	~6592, 6593	
14	Crampoane		1447			
15	Suruburi pentru lemn, cu cap bombat crestat	~96	1451		701	
16	Suruburi pentru lemn, cu cap inecat crestat	~97	1452			
17	Suruburi pentru lemn, cu cap semiinecat, crestat	~95	1453		703	
18	Suruburi pentru lemn, cu cap hexagonal	571	1454		704	
19	Suruburi pentru lemn, cu cap patrat		1455			
20	Surub cu cap semirotund si nas, grosolane	607	1470			
21	Surub cu cap patrat, grosolane		1472			
22	Surub cu cap inecat si nas, grosolane	604	1474		6105	
23	Surub cu cap bombat si nas, grosolane		1476			
24	Surub cu cap inecat si gat patrat, grosolane	608	1477			
25	Stifturi cilindrice	~7	1599	~2338	1707	-22338
26	Nituri din otel cu cap bombat	~674	1987		749/750	
27	Splinturi	94	1991	1234	1336	
28	Nituri din metale si aliaje neferoase, cu cap inecat mare	~675	2082			
29	Piulite inalte pentru suruburi si canale T		2097			
30	Surub hexagonal, filetat pana sub cap, grosolane	588	2117			
31	Saibe de siguranta	A-94,B-463, C-462, D-432	2241/2242	A-1234	1747, 6599	
32	Surub cu cap mare inecat si gat patrat pentru lemn grosolane	605	2349		6104	
33	Surub pentru fundatii, grosolane	529	2350			

© SMART INVEST GOLD SRL

Standard DIN, STAS, ISO, UNI, EN

Nr.Crt.	Denumire	DIN	STAS	ISO	UNI	EN
34	Surub fara cap, grosolane		2351			
35	Surub cu cap ciocan si gat patrat, grosolane	186	2568			
36	Surub cu cap ciocan, cu nas, grosolane	188	2569			
37	Surub cu cap inecat crestat, semiprecise	963/87	2571	2009	6109	
38	Nituri din otel, cu cap inecat	~661	3165	~1051/1234	752	
39	Surub cu cap semiinecat crestat, semiprecise	~964/88	3167	~2010	~6110	
40	Saibe pentru profile U si I	U-434, I-435	3242		6597, 6598	
41	Piulite hexagonale pentru cale ferata		3269			
42	Suruburi pentru cale ferata		3270			
43	Stifturi conice	~1	3436	~2339		~22339
44	Piulita hexagonala joasa, grosolane	936C	3773	4035?	5589	
45	Surub cu cap cilindric crestat, semiprecise	84/6912	3954	1207/	6107/	
46	Suruburi cu saiba si piulita pentru curele, grosolane		3955			
47	Piulite hexagonale, precise si semiprecise	934A/B	4071	4032/4033?	5588	
48	Piulite crenelate, precise, semiprecise si grosolane	~935A/B/C	4073	~7035	5593	
49	Piulite crenelate joase, precise si semiprecise	937A/B	4074	7038		
50	Surub cu cap hexagonal, precise si semiprecise	931/960	4272	4014/4010/ 8765	5737/5738	
51	Piulite hexagonale inalte, precise		4372			
52	Piulite hexagonale joase, precise si semiprecise	936A/B	4373	4035?	5589	
53	Piulite infundate joase, precise	917A	4374			
54	Surub cu cap patrat si guler, precise	478	4376			
55	Piulite hexagonale cu guler, precise	6331A	4412			
56	Surub cu cap patrat si cep, precise	479	4461			
57	Prezoane	835/938/939	4551	5911/5914		
58	Stifturi filetate cu crestatura, cu varf tesit	551	4770	4766	6113	
59	Stift filetat cu crestatura, cu varf conic	553	4771	7434/4766	6117	
60	Surub cu cap cilindric bombat, crestat, gaurit in cruce	404	4812		6111	
61	Surub cu cap hexagonal, filetat pana sub cap, precise si semiprecise	933/961	4845	4017/8676	5739/5740	
62	Stift filetat, cu crestatura, cu con interior	438	4846	7436	6119	27436/
63	Stift filetat, cu crestatura, cu cep conic	417/926	4847	7435/		27435/
64	Stift conic filetat, cu cep		4851			
65	Stift filetat cu crestatura, cu cep	417	4867	7435		
66	Surub cu cap cilindric bombat, crestat, semiprecise		4883			

©SMART INVEST GOLD SRL

Standard DIN, STAS, ISO, UNI, EN

Nr.Crt.	Denumire	DIN	STAS	ISO	UNI	EN
67	Surub cu cap patrat mic, cu cep si varf conic, precise		4884			
68	Surub cu cap hexagonal mic si cep tronconic	564	4922			
69	Surub cu cap patrat, guler si cep bombat, precise	480	4923			
70	Piulita rotunda cu caneluri, precise	981	5012			
71	Surub cu cap cilindric cu locas hexagonal, precise	912	5144	4762	5931	
72	Stift filetat, cu locas hexagonal cu varf tesit					
73	Saibe plate pentru metal, precise	125/126	5200	7089, 7090, 7091, 7090, 7093	6592	
74	Surub cu cap hexagonal mic si cep cilindric, precise	~561	5259			
75	Surub cu cap striat, precise	~653	5302		6048	
76	Surub cu cap striat si guler, precise	~464/465	5303		6049	
77	Dop filetat cu cap hexagonal si guler, precise		5304			
78	Piulita rotunda cu gauri radiale, precise	~548	5330			
79	Piulita rotunda cu gauri frontale, precise	547	5331			
80	Piulita rotunda cu crestatura, precise	~546A	5332			
81	Surub cu cap mic cilindric, bombat, crestat, semiprecise	~920	5383			
82	Piulita striata, precise		5436			
83	Piulita striata cu guler, precise		5437			
84	Surub cu cap mare, cilindric, bombat, crestat	~921	5578			
85	Dop filetat cu locas hexagonal si guler, precise		5606			
86	Bolturi cu cap	1444	5754/1	2341		22341
87	Bolturi cu cap mic	1434	5754/2	2341	1710	
88	Bolturi fara cap	1443	5756	2340		22340
89	Piulita pentru rulmenti	447	5816			
90	Inele elastice de rezemare excentrice, pentru alezaje si canalele pentru ele	471	5848/2		7435	
91	Inele elastice de reazem excentrice, pentru arbori si canalele pentru ele	472	5848/3		7437	
92	Surub cu pasuire, cu cap hexagonal, precise	~609	5930			
93	Saiba prelucrata pentru bolturi	~125	5974	~7089/7092	6592	
94	Surub cu cap hexagonal mic, precise		6403			
95	Surub cu cap hexagonal mic, filetat pana sub cap, precise		6404			

© SMART INVEST GOLD SRL

Standard DIN, STAS, ISO, UNI, EN

Nr.Crt.	Denumire	DIN	STAS	ISO	UNI	EN
96	Surub cu cap bombat si gat patrat pentru metal, semiprecise	5906	6444			
97	Surub cu cap ciocan, cu nas, filetat pana sub nas, grosolane	~188	6999			
98	Surub cu cap ciocan, cu gat patrat, filetat pana sub gat, grosolane	186	7000			
99	Stift cilindric crestat	~1473	7464	~8740		~28740
100	Surub cu cap cilindric crestat, precise	84	7517	1207	6107	
101	Surub cu cap inecat, crestat, precise	963/87	7518	2009	6109	
102	Surub cu cap bombat, crestat, precise	84	7519	1207	6107	
103	Surub cu cap semiinecat, crestat, precise	88/91/7988/964	7520	2010	6110	
104	Surub cu cap mic, cilindric, bombat crestat, precise	85	7521	1580	6108	
105	Saibe plate pentru lemn	B-436; A,C-440	7565	7094	6596	
106	Saibe Grower	~127/7980	7666/2		1751 A/B	
107	Stifturi conice crestate	~1471/1472	7803	~8744/8745		~28744/28745
108	Stifturi conice, cu filet interior	~7978	7805	~8736		~28736
109	Piulita hexagonala cu o suprafata de asezare sferica		7903			
110	Prezoane pentru asamblarea flanselor		8121/2			
111	Piulite hexagonale pentru asamblarea flanselor		8121/3			
112	Arcuri disc		8215			
113	Surub cu cap bombat, crestat, semiprecis	85	8423	1580	6108	
114	Inel de siguranta din sarma pentru arbori si alezaje	~7993/9045	8436			
115	Nituri tubulare simple	7338/7339/ 7340	8496			
116	Piulite hexagonale pentru fixarea pieselor pe capete conice de arbori		8608			
117	Saibe pentru asamblarea cu surub a pieselor pe capete de arbore cilindrice		8621			
118	Nituri din aliaje Cu-Zn, gaurite		~A-7338/B-6792			
119	Suruburi IP, inalta rezistenta, folosite cu pretensionare		8796/1			
120	Piulite IP, inalta rezistenta, folosite cu pretensionare		8796/2			
121	Saibe IP, inalta rezistenta, folosite cu pretensionare		8796/3			
122	Surub cu cap triunghiular, semiprecise	22424	8868			

©SMART INVEST GOLD SRL

Standard DIN, STAS, ISO, UNI, EN

Nr.Crt.	Denumire	DIN	STAS	ISO	UNI	EN
123	Surub cu cap cilindric scund, cu locas hexagonal, cu ghidaj pentru cheie	6912	9224			
124	Surub cu cap cilindric scund, cu locas hexagonal	7984	9225		9327	
125	Nituri din metale si aliaje neferoase, cu cap bombat	~124/660	9229	/1051	748/134	
126	Nituri din metale si aliaje neferoase, cu cap semiinecat	~662	9230	~1051		
127	Nituri din metale si aliaje neferoase, cu cap inecat	~661	9231	~1051		
128	Nituri din metale si aliaje neferoase, cu cap cilindric	~7338	9232			
129	Piulite hexagonale pentru sudare, semiprecise si grosolane		9308			
130	Suruburi pentru tabla, cu cap inecat crestat	7972	9344/2	1482	6952	21482
131	Suruburi pentru tabla, cu cap semiinecat crestat	7973	9344/3	1483	6953	21483
132	Suruburi pentru tabla, cu cap cilindric crestat	7971	9344/4	1481	6951	21481
133	Suruburi pentru tabla, cu cap hexagonal	7976/7376	9344/5	1479/	6949	21479
134	Suruburi pentru tabla, cu cap inecat si locas cruciform	7982	9344/6	7050	6955	27050
135	Suruburi pentru tabla, cu cap semiinecat si locas cruciform	~7983	9344/7	~7051	~6956	~27051
136	Suruburi pentru tabla, cu cap cilindric bombat si locas cruciform	7981	9344/8	7049	6954	27049
137	Piulita triunghiulara, semiprecise	22425	9478			
138	Stifturi elastice, seria grea	~1481	9729/2	~8752	6873	~28752
139	Stifturi elastice, seria usoara	~7346	9729/3	8749		
140	Saibe plate pentru asamblari cu suruburi si stifturi elastice, seria grea		9729/4			
141	Stifturi elastice spirale, seria grea	~7343	9729/5	~8750/8751	6875	~28750/28751
142	Stifturi elastice spirale, seria usoara	~7344	9729/6	~8748	6876	~28748
143	Piulita hexagonala cu autoblocare, cu inel de material plastic, precise de capete de arbore conice	~982/6924	9851	~7040	~5587/	
144	Saibe de siguranta pentru asamblarea cu piulita a pieselor		9893			
145	Piulita hexagonala cu autoblocare, joasa cu inel de material plastic, precise	~985	9895	~10511	~5587, 7474	
146	Stift filetat cu autoblocare, cu crestatura si varf plat		10061			
147	Stift filetat cu autoblocare, cu crestatura si varf tronconic		10096			

© SMART INVEST GOLD SRL

Standard DIN, STAS, ISO, UNI, EN

Nr.Crt.	Denumire	DIN	STAS	ISO	UNI	EN
148	Surub cu cap semiinecat si locas cruciform, semiprecise	~7988/966/986	10294	/7047/	/7689/	
149	Surub cu cap cilindric bombat si locas cruciform, semiprecise	7985	10295	7045	7687	27045
150	Surub cu cap inecat si locas cruciform, semiprecise	~7987/965	10296	/7046	/7688	
151	Stift filetat, cu autoblocare, cu crestatura, cu con interior		10420			
152	Stift filetat, cu autoblocare, cu crestatura, cu cep tronconic		10421			
153	Stift filetat, cu autoblocare, cu crestatura, cu cep cilindric		10422			
154	Stift filetat, cu autoblocare, cu locas hexagonal		10423			
155	Saiba elastica cu dinti.sst	6797 A/J	10481		8841 A/J	
156	Piulita de siguranta din tabla		10522			
157	Saiba de inalta rezistenta		10616			
158	Surub cu cap hexagonal si guler, filetat pana sub cap, precise		10818			
159	Piulite hexagonal pentru sudare, folosite la tractoare, semiprecise si grosolane		10819			
160	Piulita patrata pentru sudare		10820			
161	Surub cu cap cilindric si bosaj circular sub cap pentru sudoare		10821			
162	Suruburi cu autoblocare cu cap hexagonal, precise		10838			
163	Piulita monospira		10852			
164	Saibe elastice cu crestaturi	6798	11012		8842 A, 8842 J, 8842 V	
165	Saibe elastice profilate	137	11013			
166	Surub cu cap hexagonal, cu filet scurt si piulita hexagonala pentru constructii metalice	7990	11028			
167	Saibe conice elastice	6796	11132		8836	
168	Suruburi autofiletante pentru metal, semiprecise		A-7513, B,C, D-7516			
169	Piulita hexagonala joasa	439		8675/4035/4036	5589	28675/24035/ 24036
170	Suruburi hexagonale complet filetate, clasa C	558		4018	5725	24018
171	Piulite hexagonale cu pas fin	934/971		8673	5587/5588	
172	Piulite hexagonale cu pas fin			8676		
173	Saibe pentru bolturi	1440		8738	1749	28738

©SMART INVEST GOLD SRL

Standard DIN, STAS, ISO, UNI, EN

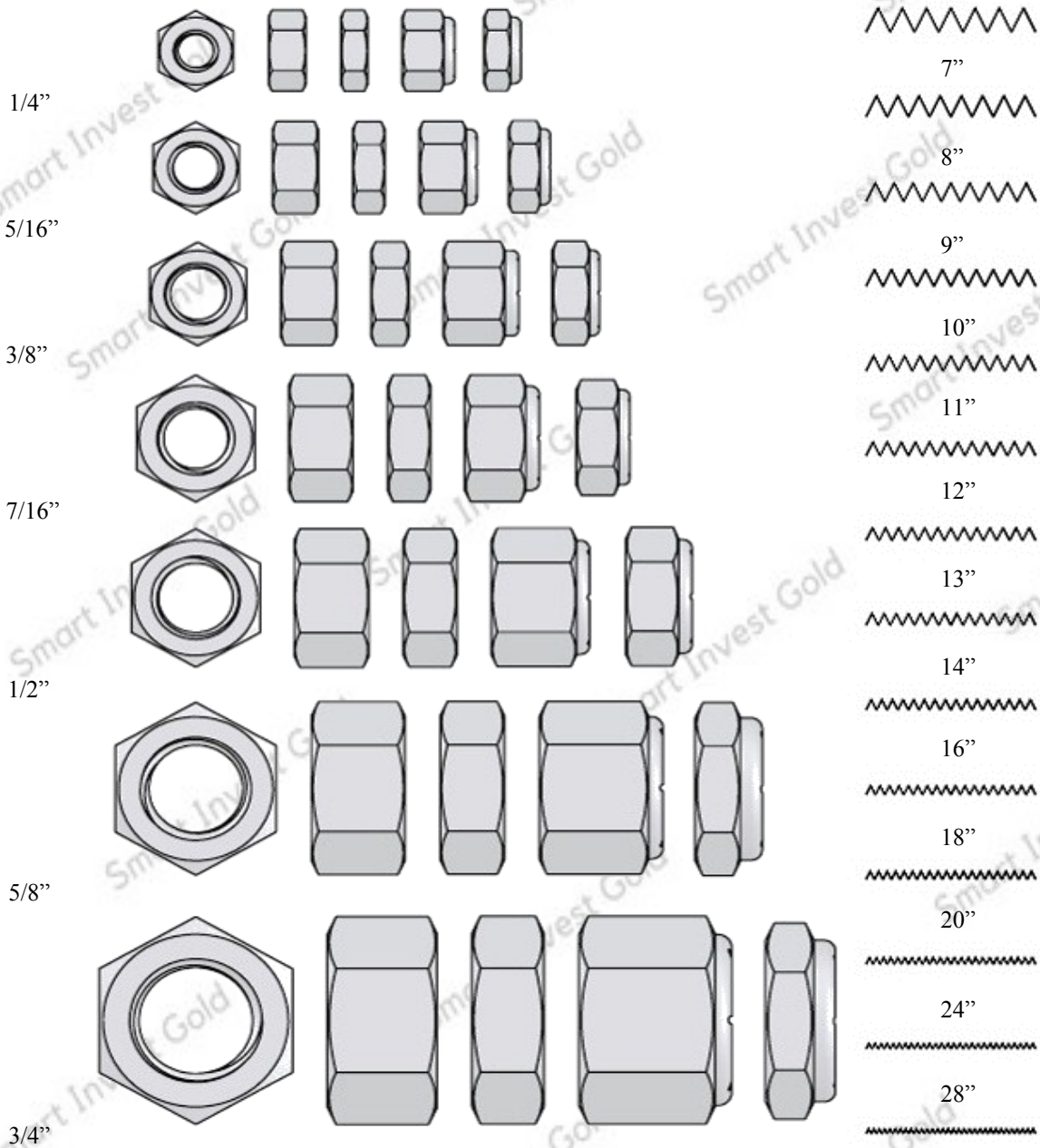
Nr.Crt.	Denumire	DIN	STAS	ISO	UNI	EN
174	Stift crestat tip dop	1474		8741		28741
175		1475		8742		28742
176		1476		8746		28746
177		1477		8747		28747
178	Stift cilindric	6325		8734	6364 A	28734
179		7977		8737		28737
180	Stift cilindric cu filet interior	7979D		8735/ 8733	6364 B	/28733
181		427		2342		
182	Saiba plata speciala	433		7092		
183	Inel ridicare filet exterior	580		3266	2947	
184	Cheie imbus tip L	911		2936		
185	Stift fil. locas hexagonal varf tesit	913		4026	5923	
186	Stift fil. locas hexagonal varf conic	914		4027	5927	
187	Stift fil. locas hexagonal si cep	915		4028	5925	
188	Stift fil. locas hexagonal varf tesit	916		4029	5929	
189		932		4032		24032
190		971		4034/8674		28674
191	Piulita autoblocare	980/ 6925		7042		
192	Surub hexagonal de inalta rezistenta	6914		7412	5712	
193	Piulita hex. de inalta rezistenta	6915		7414	5713	
194	Saiba plata IP tratate termic	6916		7416	5714	
195	Piulita hexagonala cu guler	6923		1661/4161		
196	Srb autoforant c.hex=K, c.bomb=N, c.inc=P	7504		15480, 15481, 15482	8117, 8118, 8119	
197	Surub cap inecat locas hexagonal	7991		10642	5933	
198	Saiba plata special lata	9021		7093	6593	
199				4015		24015
201		1470		8739		28739
202	Surub cap bombat locas hexagonal			7380		
203	Tija filetata 1M	975				
204	Piulita hexagonala infundata	1587			5721	
205	Piulita fluture (forjat)	315			5448 A/B	
206					6598	

© SMART INVEST GOLD SRL

Dimensiuni piulite si marimi filet inch

Diametru piulite inch

Numar de spire pe 1 inch



©SMART INVEST GOLD SRL

Organe de asamblare realizate pe productie

Saiba arc disc



Saibe arc disc



Suporti pendul



Masurare rugozitate suport pendul



Masurare rugozitate suport pendul



Suport pendul



Suruburi zincate termic



Prezoane cu cep



U-bolturi



Penduli



Suruburi cap T



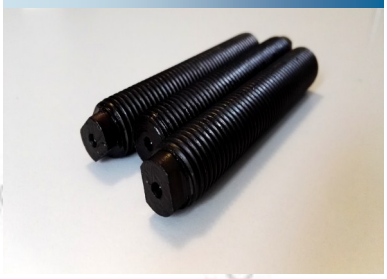
Suruburi cap T



Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
Website: http://smart-invest-gold.com
E-mail: office@smart-invest-gold.com
© SMART INVEST GOLD SRL

Organe de asamblare realizate pe productie

Prezoane cu cep



Inel rotativ de ridicare



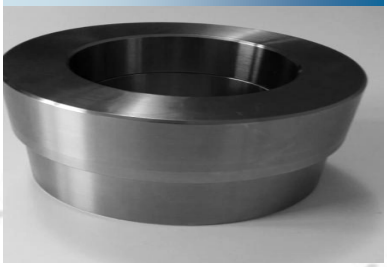
Piulite hexagonale



Saibe sferice



Saibe sferice



Suruburi cu M mai mare ca fi tija



Saibe Nord-Lock



Saibe Nord-Lock



Piulita canelata



Bolt cu gauri pe capete



Piulita intinzator forjata 16Mo3

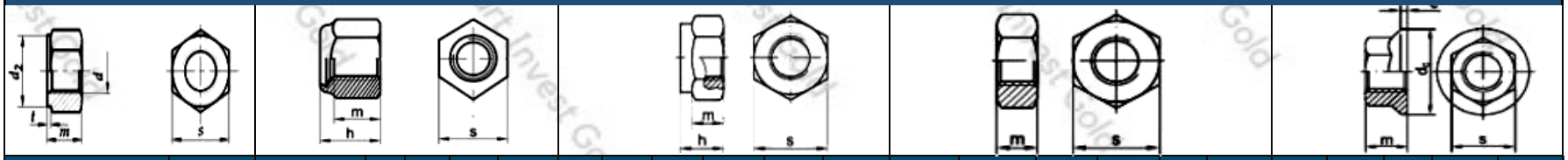


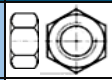
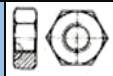
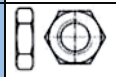
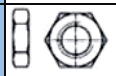
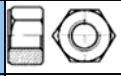
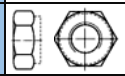
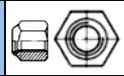
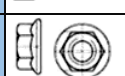
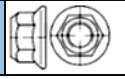
Piulita intinzator DIN 1478



©SMART INVEST GOLD SRL

Piulite - dimensiuni principale



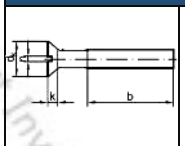
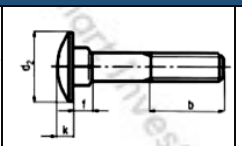
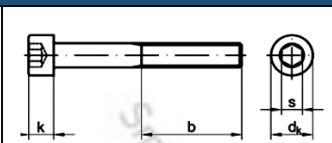
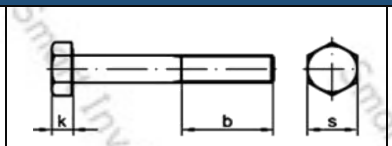
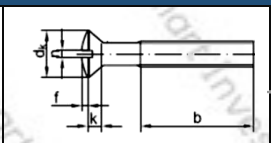
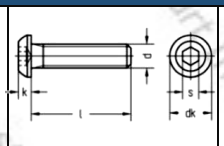
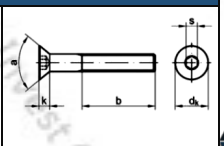
Categorie Piulite	DIN	Desen tehnic	Dim.	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39
Hexagonala standard	934		s/m	4/1.6	5/2	5.5/2.4	7/3.2	8/4	10/5	13/6.5	17/8	19/10	22/11	24/13	27/15	30/16	32/18	36/19	41/22	46/24	50/26	55/29	60/31
Hexagonala de inalta rezistenta	6915 EN 14399-5		s/m	-	-	-	-	-	-	-	-	22/10	-	27/13	-	32/16	36/18	41/20	46/22	50/24	-	60/29	-
Joasa	439		s/m	4/1.2	5/1.6	5.5/1.8	7/2.2	8/2.7	10/3.2	13/4	17/5	19/6	22/7	24/8	27/9	30/10	32/11	36/12	41/13.5	46/15	50/16.5	55/18	60/19.5
	936		s/m	-	-	-	-	-	-	13/5	17/6	19/7	22/8	24/8	27/9	30/9	32/10	36/10	41/12	46/12	50/14	55/14	60/16
Inalta	6330		s/m	-	-	-	-	-	10/9	13/12	16/15	18/18	22/21	24/24	27/27	30/30	32/33	36/36	41/40	46/45	-	-	-
	2510-NF		s/m	-	-	-	-	-	-	-	-	22/12	-	27/16	-	32/20	-	36/24	41/27	46/30	50/33	55/36	60/39
Cu autoblocare si insertie plastic	985		m/h	-	-	2.4/4	2.9/5	3.2/5	4/6	5.5/8	6.5/10	8/12	9.5/14	10.5/16	13/18.5	14/20	15/22	15/24	17/27	19/30	22/33	25/36	27/39
			s			5.5	7	8	10	13	17	19	22	24	27	30	32	36	41	46	50	55	60
Cu autoblocare si insertie metalica	980 V		s/h	-	-	5.5/3.7	7/4.2	8/5.1	10/6	13/8	17/10	19/12	22/14	24/16	27/18	30/20	32/22	36/24	41/27	46/30	50/33	55/36	60/39
Inalta cu autoblocare	982		s/h	-	-	-	-	8/6.3	10.8	13/9.5	17/11.5	19/14	22/16	24/18	27/20	30/22	32/25	36/28	-	-	-	-	-
	6924		s/h	-	-	5.5/4.5	7/6	8/6.3	10/8	13/9.5	17/11.5	19/14	22/16	22/18	-	30/22	-	36/28	-	-	-	-	-
Standard cu flansa	6923		s/m	-	-	-	7/4.5	8/5	10/6	13/8	15/10	18/12	21/14	24/16	-	30/20	-	36/22.9	-	-	-	-	-
Cu autoblocare si flansa	6926		s/h	-	-	-	-	8/7.1	10/9.1	13/11.1	15/13.5	18/16.1	21/18.2	24/20.3	-	30/24.8	-	-	-	-	-	-	-
	6927		s/h	-	-	-	-	8/6.2	10/7.3	13/9.4	15/11.4	18/13.8	21/15.9	24/18.3	-	30/22.4	-	-	-	-	-	-	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
E-mail: office@smart-invest-gold.com
Website: http://smart-invest-gold.com

© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

Suruburi - dimensiuni principale

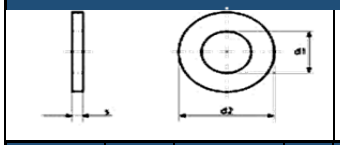
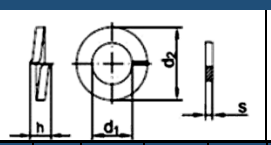
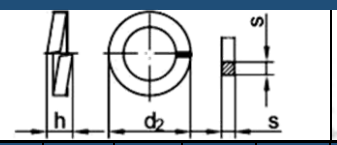
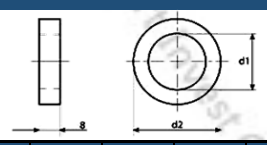
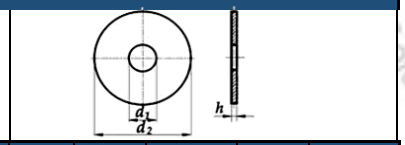








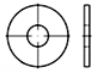
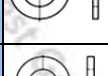
Categorie	DIN	Desen tehnic	Dim.	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33
Cap hexagonal standard/ cu pas fin	933		s/k	4/1.4	5/1.7	5.5/2	7/2.8	8/3.5	10/4	13/5.3	17/6.4	19/7.5	22/8.8	24/10	27/11.5	30/12.5	32/14	36/15	41/17	46/18.7	50/21
	931		b*	10/-/-	11/-/-	12/-/-	14/-/-	16/22/-	18/24/-	22/28/41	26/32/45	30/36/49	34/40/53	38/44/57	42/48/61	46/52/65	50/56/69	54/60/73	60/66/79	66/72/85	72/78/91
	961		ISO	(4)	(5)	(5.5)	(7)	(8)	(10)	(13)	(16)	(18)	(21)	(24)	(27)	(30)	(34)	(36)	(41)	(46)	(50)
De inalta rezistenta	6914 EN14399-4		dk/k	-	-	-	-	-	-	-	-	22/8	-	27/10	-	32/13	36/14	41/14	46/17	50/19	-
			b*	-	-	-	-	-	-	-	-	22	-	28	-	33	34	39	41	44	-
Cap cilindric	912		b*	16	17	18	20	22	24	28	32	36	40	44	48	52	56	60	66	72	78
			dk/k/s	3.8/2/1.5	4.5/2.5/2	5.5/3/2.5	7/4/3	8.5/5/4	10/6/5	13/8/6	16/10/8	18/12/10	21/14/12	26/16/14	27/18/14	30/20/17	33/22/17	36/24/19	40/27/19	45/30/22	50/33/24
Amprenta imbus cap imbus mic	6912		dk/k	-	-	5.5/2	7/2.5	8.5/3.5	10/4	13/5	16/6	18/7	-	24/9	-	30/11	-	36/13	-	-	-
			s	-	-	2	2.5	3	4	5	7	8	-	12	-	14	-	17	-	-	-
Cap inecat amprenta imbus	7991		dk/k	-	-	6.72/1.86	8.96/2.48	10.2/3	13.44/ 3.72	17.92/4.96	22.4/ 6.2	26.8/ 7.44	30.88/8.4	33.6/ 8.8	-	40.32/10.16	36/ 13.1	39/14	-	-	-
			s	-	-	2	2.5	3	4	5	6	8	10	10	-	12	14	14	-	-	-
			b*	-	-	18	20	22	24	28	32	36	40	44	-	52	56	60	-	-	-
Cap inecat amprenta cruce	965		dk/k	3.8/1.2	4.7/1.5	5.6/1.65	7.5/2.2	9.2/2.5	11/3	14.5/4	18/5	22/6	-	29/8	-	-	-	-	-	-	-
Cap inecat crestat	963																				
Cap oval crestat/ amprenta cruce	964 966		dk/k	3.8/1.2	4.7/1.5	5.6/1.65	7.5/2.2	9.2/2.5	43170	14.5/4	43238	-	-	-	-	-	-	-	-	-	-
			f	0.5	0.6	0.75	1	1.25	1.5	2	2.5	-	-	-	-	-	-	-	-	-	-
Cap bombat torbant	603		f/v	-	-	-	-	4.1/5.48	4.6/6.48	5.6/8.58	6.6/10.58	8.75/12.7	-	12.9/16.7	-	15.9/20.84	-	-	-	-	-
Cap hexagonal si flansa	6912		s	-	-	-	-	8	10	13	15	16	18	-	24	27	-	32	-	-	-
			dk	-	-	-	-	-	14.2/6.6	18/8.1	22.3/9.2	26.6/11.5	30.5/12.8	-	38.7/15.4	-	51.6/20.3	-	-	-	-
Cap bombat amprenta imbus	ISO 7380-1		dk	-	-	5.7	7.6	9.5	10.5	14	17.5	51	-	28	-	-	-	-	-	-	-
Cap bombat imbus cu flansa	ISO 7380-2		s	-	-	2	2.5	3	4	5	6	8	-	10	-	-	-	-	-	-	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
E-mail: office@smart-invest-gold.com
Website: http://smart-invest-gold.com
©SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit

Saibe - Dimensiuni principale

Categorie	DIN	Desen tehnic	Dim.	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39
Plata standard	125		d1/d2	2.2/5	2.7/6	3.2/7	4.3/9	5.3/10	6.4/12	8.4/16	10.5/20	13/24	15/28	17/30	19/34	21/37	23/39	25/44	28/50	31/56	34/60	37/66	40/72
			s	0.3	0.5	0.5	0.8	1	1.6	1.6	2	2.5	2.5	3	3	3	3	4	4	4	5	5	6
De inalta rezistenta	6916 EN 14399-6		d	-	-	-	-	-	-	-	-	13	15	17	19	21	23	25	28	31	-	37	-
			h	-	-	-	-	-	-	-	-	3	3	4	4	4	4	4	5	5	-	6	-
Grower standard	127A/B		d1/d2	-	-	3.1/6.2	4.1/7.6	5.1/9.2	6.1/11.8	8.1/14.8	10.2/18.1	12.2/21.1	14.2/24.1	16.2/27.4	18.2/29.4	20.2/33.6	22.5/35.9	24.5/40	27.5/43	30.5/48.2	33.5/53.2	36.5/58.2	39.5/61.2
			s/hA	-	-	0.8/1.9	0.9/2.1	1.2/2.7	1.6/3.6	2/4.6	2.2/5	2.5/5.8	3/6.8	3.5/7.8	3.5/7.8	4/8.8	4/8.8	5/11	5/11	6/13.6	6/13.6	6/13.6	6/13.6
			s/hB	-	-	0.8/1.6	0.9/1.8	1.2/2.4	1.6/3.2	2/4	2.2/4.4	2.5/5	3/6	3.5/7	3.5/7	4/8	4/8	5/10	5/10	6/12	6/12	6/12	6/12
Grower pentru imbus	7980		d2	-	-	5.6	7	8.8	9.9	12.7	16	18	21.1	24.4	26.4	30.6	32.9	35.9	38.9	44.1	47.1	52.2	-
			s/h	-	-	1/2	1.2/2	1.6/3	1.6/3	2/4	2.5/5	2.5/5	3/6	3.5/7	3.5/7	4.5/10	4.5/9	5/10	5/10	6/12	6/12	7/14	-
Extra larga	9021		d1/d2	-	-	3.2/9	4.3/12	5.3/15	6.4/18	8.4/24	10.5/30	13/37	15/44	17/50	20/56	22/60	-	26/72	-	-	-	-	-
			s	-	-	0.8	1	1.2	1.6	2	2.5	3	3	3	4	4	-	5	-	6	-	8	-
Serie mare	440R		d1/d2	-	-	-	-	5.5/18	6.6/22	9/28	11/34	14.5/44	-	18/56	-	22/72	24/80	-	-	-	-	-	-
			s	-	-	-	-	2	2	3	3	4	-	5	-	6	6	-	-	-	-	-	-
Saiba larga subtire Mudguard	522C		d1/d2	-	-	-	4.3/12	5.3/15	6.4/16	8.4/20	10.5/25	13/30	-	-	-	-	-	-	-	-	-	-	-
			h	-	-	-	0.8	0.8	1	1.25	2.5	2.5	-	-	-	-	-	-	-		-	-	-
Saiba sub-tire	988		d1/d2	-	-	3/6	4/8	-	6/12	6/14	10/13	12/16	14/20	16/22	18/25	20/28	22/30	-	-	30/42	-	-	-
			h	-	-	1	1	-	1.2	1.2	1.2	1.2	1.5	1.5	1.5	2	2	-	-	2.5	-	-	-
Saiba caroserie	AN81		d1/d2	-	-	-	4.3/15	5.3/20	6.3/25	8.4/30	10.5/35	13/40	-	-	-	-	-	-	-	-	-	-	-
			h	-	-	-	1.25	1.25	1.25	1.5	1.5	1.5	-	-	-	-	-	-	-	-	-	-	-
Ingusta	433		d1/d2	2.2/4.5	2.7/5	3.2/6	4.3/8	5.3/9	6.4/11	8.4/15	10.5/18	13/20	15/24	17/28	19/30	21/34	23/37	25/39	28/44	31/50	34/56	37/60	-
			s	0.3	0.5	0.5	0.5	1	1.6	1.6	1.6	2	2.5	2.5	3	3	3	4	4	4	5	5	-
Ingusta pentru bolturi	1440		d1/d2	-	-	-	-	5/10	6/12	8/16	10/20	12/25	14/28	16/28	13/30	20/32	22/34	24/38	27/40	30/45	33/50	36/52	-
	1441		s	-	-	-	-	0.8	1.6	2	2.5	3	3	3	4	4	4	4	5	5	5	6	-
Groasa	7989		d1	-	-	-	-	-	-	-	11	14	-	18	-	22	24	26	30	33	36	-	-
			d2	-	-	-	-	-	-	-	21	24	-	30	-	37	39	44	50	56	60	-	-

Sales : +40 772 223 143 / +40 773 301 990
Phones: +40 364 737 950 / +40 770 327 293
E-mail: office@smart-invest-gold.com
Website: http://smart-invest-gold.com

© SMART INVEST GOLD SRL

Smart Invest Gold
fastener business unit





© www.smart-invest-gold.com