

DANTECH

SOLUTIONS D.O.O.

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KATALOG 2025.



e-željezara
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DTS 500 FARMER VIJAK

PLASTIFIKACIJA DEBLJINE DO 60 µm
Powder coating to 60 µm

OTPORNOST NA UV ZRAČENJE
Resistant to UV radiation

IZDRŽLJIVA DUGOGODIŠNJA ZAŠTITA
Durable coating for years

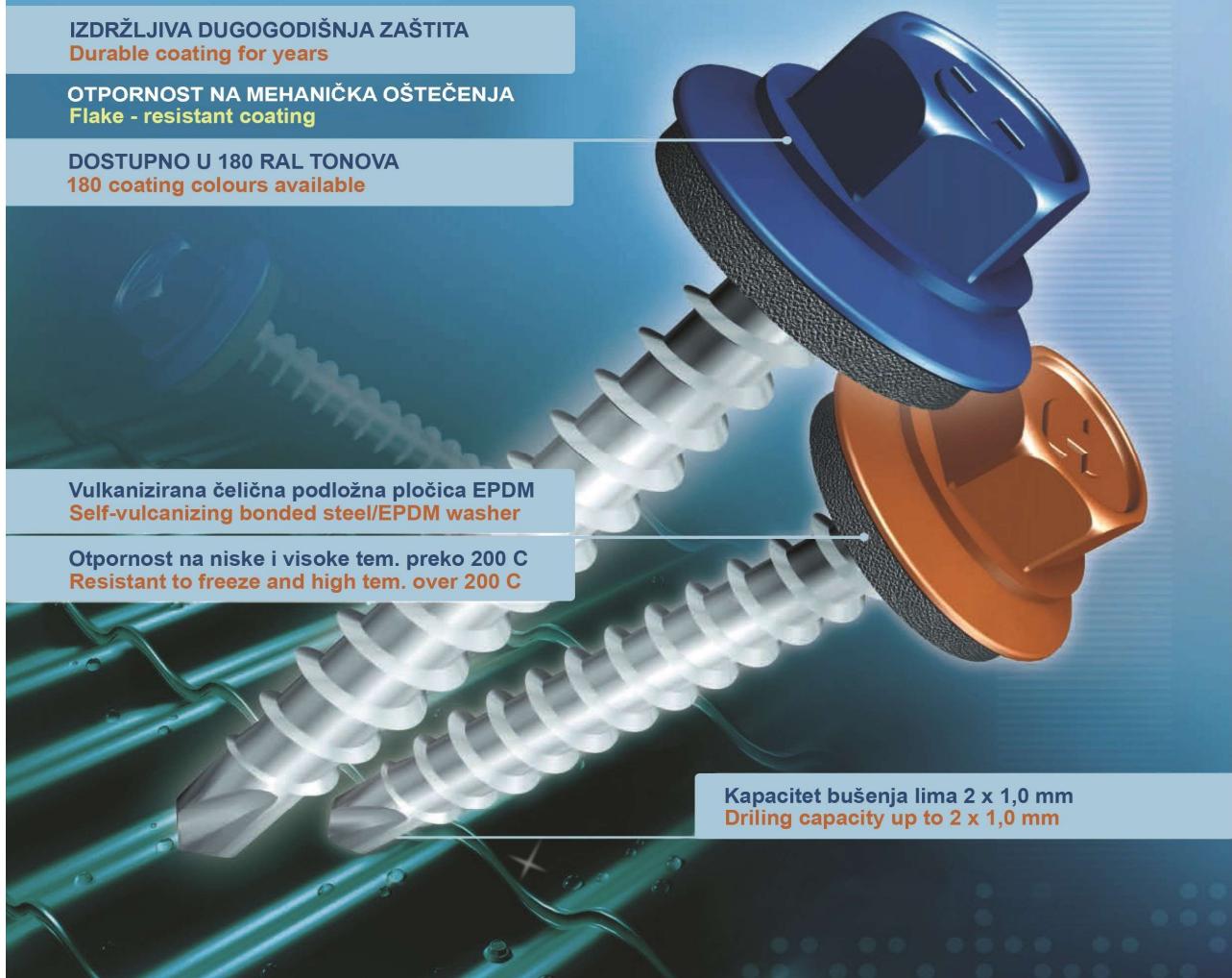
OTPORNOST NA MEHANIČKA OŠTEČENJA
Flake - resistant coating

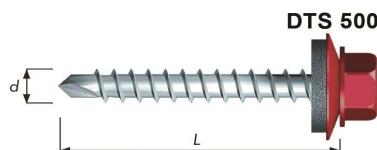
DOSTUPNO U 180 RAL TONOVA
180 coating colours available

Vulkanizirana čelična podložna pločica EPDM
Self-vulcanizing bonded steel/EPDM washer

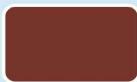
Otpornost na niske i visoke tem. preko 200 C
Resistant to freeze and high tem. over 200 C

Kapacitet bušenja lima 2 x 1,0 mm
Driling capacity up to 2 x 1,0 mm

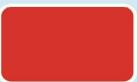




d x L (mm)	PAKIRANJE
4,8 x 20	8 x 250
4,8 x 35	8 x 250
4,8 x 50	8 x 200
4,8 x 60	8 x 100
4,8 x 75	8 x 100
4,8 x 100	8 x 100

RAL TONOVİ - COLOURS


3009



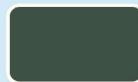
3020



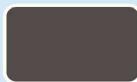
5010



5015



6028



7024



7035



8004



8017



8019



9002



9005



9006



9010

Predstavljene boje prikazane su samo kao bazne nijanse u ponudi.
Molimo koristite samo originalnu RAL ton kartu za stvarnu nijansu boje.

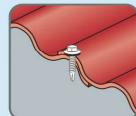
Presented colours are shown just for a brief colour reference. Please use only professional RAL table for actual colour selection.

MONTAŽA - FIXING


spajanje čeličnog lima na drvenu konstrukciju
fixing steel sheets to wooden construction



4,8 x 35
4,8 x 50
4,8 x 60
4,8 x 75
4,8 x 100



spajanje lim - lim
steel sheets overlapping

4,8 x 20

DTS 500

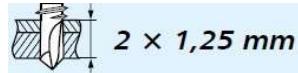
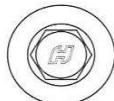
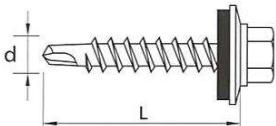
Samobušći vijak sa šesterokutnom glavom i vulkaniziranom podloškom

- Za međusobno spajanje limova
- Za spajanje limova na drvenu konstrukciju

ZN

ZN / RAL

INOX



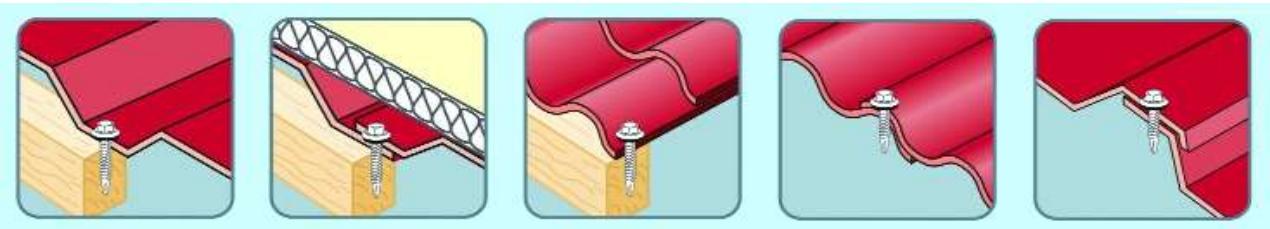
ZN



<i>L</i>	<i>D</i> Ø4,8	<i>D</i> Ø6,5
20	○	○
25		○
28		
35	○	○
45		
50	○	○
60	○	
70	○	
75	○	○
100	○	

<i>L</i>	<i>D</i> Ø4,8	<i>D</i> Ø6,5
20	○	○
25		○
28		
35	○	○
45		
50	○	○
60	○	
70	○	
75	○	○
100	○	

<i>L</i>	<i>D</i> Ø4,8
19	○
25	○
35	○



DTS 500 S

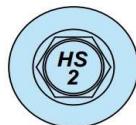
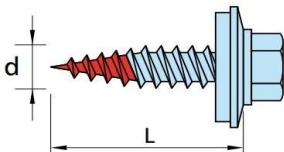
Samourezni vijak sa šesterokutnom glavom i vulkaniziranom podloškom

- Za međusobno spajanje limova 2 x 0.5 - 2 x 1.0 mm

ZN

BI-METAL A2

PROTECT 1000



ZN PROTECT

BI-METAL
A2

L	D	$\varnothing 4,8$	$\varnothing 5,5$
19		o	
25		o	

L	D	$\varnothing 4,8$	$\varnothing 6,0$
19		o	
25			o

PRODUCT DESCRIPTION AND CHARACTERISTICS

- Bi-metal screws made of stainless steel A2, with hardened carbon steel drilling point.
- Intended for use in environment up to C5 category acc. to EN ISO 12944-2.
- Screws available with assembled stainless steel washer with EPDM sealing ring E (mm) - Ø14, Ø16 or without sealing washer.
- The design of the screws enables fast and tight joining of metal elements with a thickness of 2 x 0.5 to 2 x 1.0 mm, without the formation of metal chips during assembly, which can cause corrosion.
- Innovative conical geometry of the screw reduces installation time and the sharp tip of the thread reduces the screw slippage on the sheet surface.
- The designed thread geometry ensures tight pressure of the fixed elements and high load-bearing capacity of the connection.
- The product meets the requirements of class A1 reaction to fire, according to EC 96/603/EC.



DRILLER®
BI-METAL
A2

Class A1 reaction to fire
EC 96/603/EC

APPLICATION

- Fast, chipless and tight stitching of thin metal sheets
- Steel sheets overlapping
- Assembly of photovoltaic installation elements

INSTALLATION INSTRUCTIONS

- Set the screw perpendicular to the surface of the fastened elements.
- Set the proper rotational speed of the screwdriver acc. to Tab. A2.
- Installation with a minimum pressure force of 15-20 KG depending on the hardness of the base material.
- Use a screwdriver with adjustable torque for assembly. Installation torque $M_{t,nom}$ according to Table A2.
- Press the washer correctly to ensure tightness and prevent corrosion in the fixing point.

Table A1: MATERIAL PARAMETERS OF FASTENER

Elements	Material
1 Screw	Bi-metal: stainless steel – SAE 304 with hardened carbon steel drilling point
2 Washer	Stainless steel washer with EPDM sealing ring
3 Fixed element	S280GD, S320GD or S350GD - EN 10346, aluminium
4 Base material	S280GD, S320GD or S350GD - EN 10346, aluminium

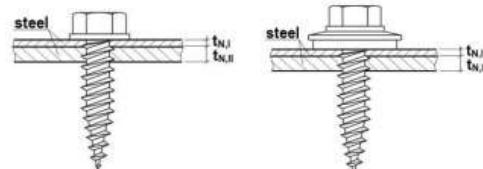


Table A2: FIXING PARAMETERS

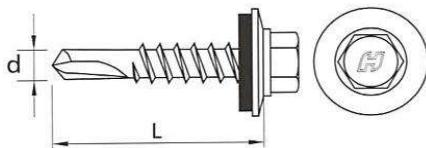
Type	Screw diameter D [mm]	Screw length L [mm]	Head size AF [mm]	Drilling capacity Σt_i [mm] $t_{N,1} + t_{N,II}$	Max. thickness of fixed elements G+ Σt_i [mm] without washer steel/EPDM	Max. thickness of fixed elements G+ Σt_i [mm] with washer steel/EPDM $\geq \varnothing 14$	Installation torque $M_{t,nom}$ [Nm]	Drill speed [rpm]
WKFT (HS2)	4,8	19	8	2 x 0,5 - 2 x 1,0	11	8	3	max. 2500

DTS 501

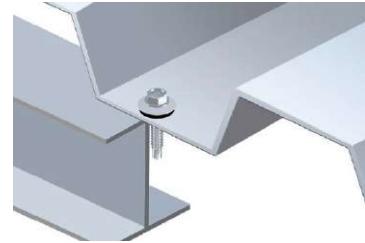
Samobušeni vijak sa šesterokutnom glavom i vulkaniziranom podloškom

- Za spajanje limova na metalnu konstrukciju

- Debljina bušenja lima 2 - 6 mm



ZN



$L \backslash D$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
16	○		
19	○	○	○
22	○	○	○
25	○	○	○
32	○	○	○
35	○		
38	○	○	○
45	○	○	
50		○	○
55		○	
63	○	○	
75	○	○	

$L \backslash D$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
16			
19			
22			
25	○	○	
32			
35			
38			○
45			
50			○
55			
63			
75			○

INOX - AISI 410

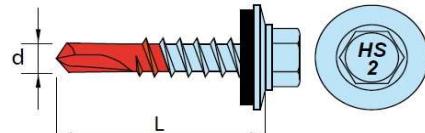
INOX

$L \backslash D$	$\varnothing 4,8$	$\varnothing 5,5$
16	○	
19	○	○
22	○	○
25	○	○
32		○
35	○	
38		○
45		○
50		○

PROTECT 1000™



$L \backslash D$	$\varnothing 5,5$
25	○



BI - METAL AISI 304



$L \backslash D$	$\varnothing 5,5$
25	○
32	○
38	○
50	○

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ZN

ZN / RAL

PROTECT 1000™

BI - METAL

INOX

DTS 502

Samobušiči vijak sa šesterokutnom glavom i vulkaniziranom podloškom

- Za spajanje limova na čeličnu konstrukciju

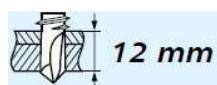
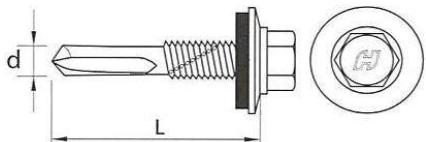
- Debljina bušenja čelika 4 - 20 mm

ZN

ZN / RAL

PROTECT 1000™

BI - METAL



ZN

$L \backslash D$	$\varnothing 5,5$
32	○
38	○
50	○
67	○
75	○

PL Ø
14
14
14
14
14



PROTECT 1000™

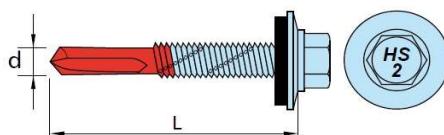


$L \backslash D$	$\varnothing 5,5$
32	○
35	○
38	○
50	○
67	○
75	○

PL Ø
14
14
14
14
14
14

$L \backslash D$	$\varnothing 5,5$
38	○
35	○

PL Ø
14
14



BI - METAL - AISI 304



$L \backslash D$	$\varnothing 5,5$
38	○
50	○
75	○

PL Ø
14
14
14

VIJCI ZA SENDVIČ PANELE SANDWICH PANELS SCREWS





ADVANCED CORROSION PROTECTIVE COATING FOR FASTENERS NAPREDNA ANTIKOROZIVNA ZAŠTITA ZA VIJKE

Protect 1000™

EN-ISO-9227 supreme performance | vrhunska izvedba

min. 1000 h/sati

against moist and saline environment
otpornost na vlagu i morske uvijete

DIN 50018

min. 15 cycles/ciklusi

against acid rain environment
otpornost na kisele kiše

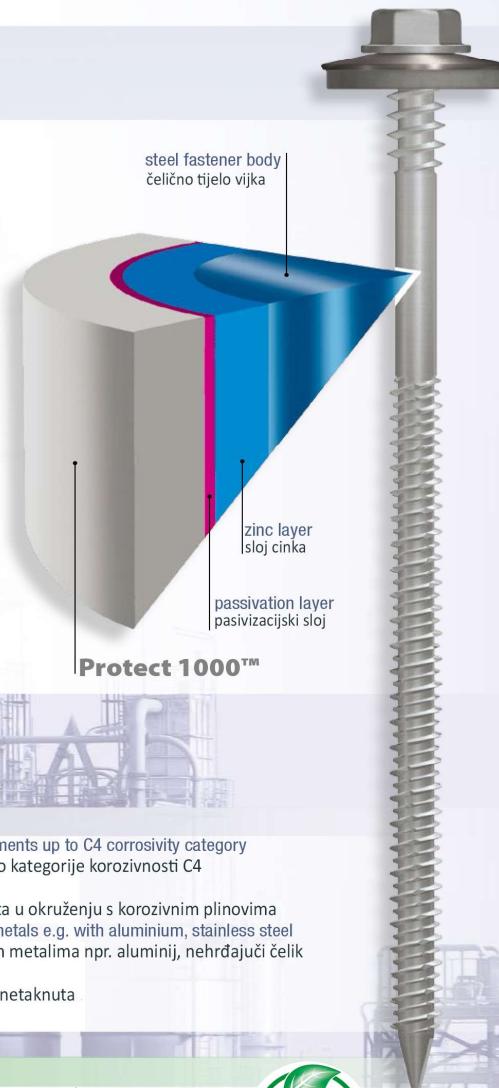
EN-ISO-12944-2

recommended for environments of
preporučeno za okruženje

corrosivity | kategorija
categories | korozivnosti **C1-C4**

confirmed by the technical opinion
potvrđeno od struke sa

ITB 02705/14/R23NM



PROPERTIES AND ADVANTAGES | SVOJSTVA I PREDNOSTI

- Excellent fasteners' protection against saline and acid rain environments up to C4 corrosivity category
Vrhunsko zaštitu vijaka u morskim uvjetima i protiv kiselih kiša do kategorije korozivnosti C4
- High protection in an environment of corrosive gases | Visoka zaštita u okruženju s korozivnim plinovima
- Resistance against electrochemical (contact) corrosion with other metals e.g. with aluminium, stainless steel
Otpornost na elektrokemijsku (kontakt) koroziju u spoju s ostalim metalima npr. aluminij, nehrđajući čelik
- Maintained sharpness of cutting edges | Oština reznih bridova je netaknuta
- No recess filling | nema punjenja

ENVIRONMENT FRIENDLY | EKOLOŠKI PRIHVATLJIV

- dry to touch finish, does not stain | završni sloj suh na dodir i postojan na mrlje
- non toxic, chrome-free and lead-free | nije toksična, bez kroma i olova
- no emission of lead vapors | nema isparavanja olovnih para
- low emission of Volatile Organic Compounds (VOC) | niska emisija VOC



Corrosivity categories according to EN-ISO-12944-2
Kategorija korozivnosti prema EN-ISO-12944-2

Corrosivity category Kategorija korozivnosti	Type of environment corrosivity Vrste okruženja korozivnosti	Mass loss per unit and coating thickness loss after first year of exposure I Gubitak mase vijka i debljine zaštitnog sloja nakon prve godine izlaganja				Examples of typical environments in a temperate climate Primjeri tipičnih okruženja u umjerenoj klimi
		Carbon steel I Uglični čelik	Zinc coating I Sloj cinka	g/m ²	µm	
C1	very low vrlo nisko	< 10	< 1,3	< 0,7	< 0,1	Interior of heated buildings e.g. offices, schools, hotels. I Unutrašnjost grijane zgrade (uredi, škole, hoteli)
C2	low nisko	10 - 200	1,3 - 25	0,7 - 5	0,1 - 0,7	Areas with low air pollution, away from the sea, the buildings are not exposed to continuous condensation of humidity. All kinds of warehouses, sports halls and other buildings including the residential areas. I Koprena područja s niskim zagadenjem zraka, zgrade nisu trajno izložene kondenzaciji. Skladišta, dvorane uključujući naseljena područja.
C3	medium srednje	200 - 400	25 - 50	5 - 15	0,7 - 2,1	Areas with an average degree of pollution, mainly urban centers and light industry with low emission of CO _x and SO ₂ to the atmosphere. I Područja s prosječnom zagadenosti, urbana područja i područja lagane industrije s niskim emisijama CO _x i SO ₂ u atmosferi.
C4	high visoko	400 - 650	50 - 80	15 - 30	2,1 - 4,2	Areas with a high concentration of pollution (high emission of CO _x and SO ₂ to the atmosphere), high-density zones of heavy industry (steel mills, coal power plants, petrochemical plants), the coastal areas of medium salinity. I Područja s visokim stupnjem zagadenja (visoke emisije CO _x i SO ₂ u atmosferi) područje teške industrije (čeličane, elektrane na ugljen, petrohemikaljske tvornice), obalna područja srednjeg saliniteta.
C5-I	very high (industrial) vrlo visoko	650 - 1500	80 - 200	30 - 60	4,2 - 8,4	Industrial areas with very high level of CO _x and SO ₂ pollution, salinity and high humidity. I Industrijska područja s visokim nivoima CO _x i SO ₂ zagadenja, salinitetom i visokom vlagom.
C5-M	very high (marine) vrlo visoko	650 - 1500	80 - 200	30 - 60	4,2 - 8,4	Typical marine, coastal and offshore areas: oil rigs, industrial port areas. I Tipični morski uvjeti, obalni i uvjeti na platformama i lukama.

HAMAR fasteners selection due to environmental corrosivity categories acc. to EN-ISO-12944-2
Izbor vijaka prema korozivnim kategorijama okruženja EN-ISO-12944-2

Recommended fastener material selection Preporučen materijal vijka	Corrosivity category I Kategorija korozivnosti				
	C1	C2	C3	C4	C5
carbon steel zinc plated up to 5µm uglični čelik cincan do debljine sloja 5µm	✓				
carbon steel zinc plated > 5µm, powder coating uglični čelik cincan debljine sloja veće od 5µm, plastificiran	✓	✓			
carbon steel zinc plated, coating thickness min. 12µm, powder coating uglični čelik cincan slojem debljine od 12µm, plastificiran	✓	✓	✓		
stainless steel AISI 410, powder coating nehrđajući čelik AISI 410, plastificiran	✓	✓	✓		
carbon steel with PROTECT 1000™ coating, powder coating uglični čelik sa PROTECT 1000™ zaštitnim slojem, plastificiran	✓	✓	✓	✓	
stainless steel AISI 304 (A2) nehrđajući čelik AISI 304 (A2)	✓	✓	✓	✓	✓
bi-metal bi-metal	✓	✓	✓	✓	✓
stainless steel AISI 316 (A4) nehrđajući čelik AISI 316 (A4)	✓	✓	✓	✓	✓



Comparison of different corrosion protection methods
Usporedba antikorozivnih zaštitnih metoda

Type of coating Vrsta zaštitnog sloja	Electrolytic galvanized 5µm Galvanizirani sloj 5µm	Coating PROTECT 1000™ PROTECT 1000™ zaštitni sloj
Corrosion resistance (salt spray test) Otpornost na koroziju (raspršivanje soli)	72 h	1000 h
Coating accuracy Točnost sloja	Visoka	Visoka
RoHS Compliance RoHS direktiva	Zadovoljava	Zadovoljava



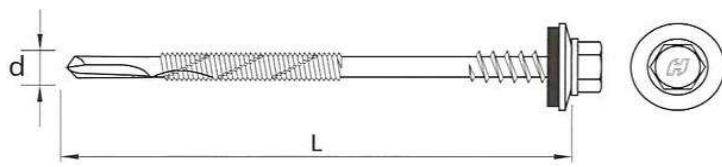
DTS 503

Samobušeni vijak sa šesterokutnom glavom i inox EPDM podloškom

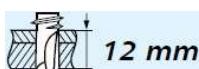
- Za spajanje panela na čeličnu konstrukciju
- Debljina bušenja čelika maksimalno do 12mm (20)

PROTECT 1000™

BI - METAL



PROTECT 1000™



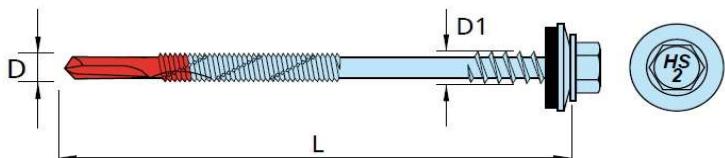
L	D	5,5/6,3	$G_p \text{ min}$	$G_p \text{ max}$	EPDM Ø
85	○	5,5/6,3	35	50	16 / A2
105	○	5,5/6,3	40	70	16 / A2
115	○	5,5/6,3	50	80	16 / A2
130	○	5,5/6,3	40	95	19 / A2
150	○	5,5/6,3	70	115	19 / A2
165	○	5,5/6,3	85	130	19 / A2
175	○	5,5/6,3	95	140	19 / A2
185	○	5,5/6,3	105	150	19 / A2
200	○	5,5/6,3	115	165	19 / A2
215	○	5,5/6,3	130	180	19 / A2
235	○	5,5/6,3	150	200	19 / A2
255	○	5,5/6,3	170	220	19 / A2
285	○	5,5/6,3	200	250	19 / A2
340	○	5,5/6,3	220	305	19 / A2



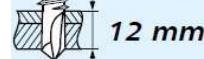
L	D	5,5/6,3	$G_p \text{ min/max}$
135	○	5,5/6,3	35 / 95
155	○	5,5/6,3	50 / 115
185	○	5,5/6,3	80 / 145
235	○	5,5/6,3	135 / 195



L	D	5,5/6,3	$G_p \text{ min/max}$
140	○	5,5/6,3	35 / 95
160	○	5,5/6,3	45 / 115
190	○	5,5/6,3	75 / 145
245	○	5,5/6,3	125 / 200
260	○	5,5/6,3	150 / 215
325	○	5,5/6,3	180 / 280



BI - METAL - AISI 304



DIMENZIJE NA UPIT !

$G_p \text{ max}$ = atestirana maksimalna dozvoljena ukupna debljina panela koja se može spojiti sa pojedinačnom dužinom vijka sa uključenom kalotom

Primjeri:

- * Krovni panel debljine 100 mm (ukupno 140mm sa gornjim valom) spaja se sa vijkom 5.5/6.3 x 175 mm.
- * Zidni panel debljine ukupno 80 mm spaja se sa vijkom 5.5/6.3 x 115 mm.

Montaža:

* maksimalni broj okretaja kod montaže rpm=1.500 °/min.

e-željezara
web shop

DTS 504

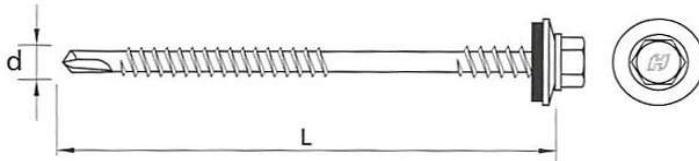
Samobušći vijak sa šesterokutnom glavom i inox EPDM podloškom

- Za spajanje panela na metalnu konstrukciju

- Debljina bušenja metalnih cijevi maksimalno do debljine stijenke 6 mm;

PROTECT 1000™

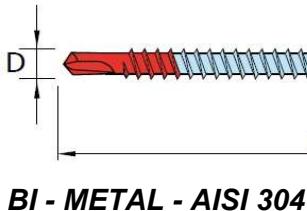
BI - METAL



PROTECT 1000™



$L \backslash D$	$\varnothing 5,5$	$G_p \text{ min}$	$G_p \text{ max}$	EPDM \varnothing
80	○	30	55	16 / A2
90	○	40	65	16 / A2
98	○	50	75	16 / A2
110	○	55	85	16 / A2
120	○	45	95	16 / A2
130	○	50	105	19 / A2
150	○	70	125	19 / A2
160	○	80	135	19 / A2
175	○	95	150	19 / A2
195	○	115	170	19 / A2
210	○	130	185	19 / A2
230	○	170	205	19 / A2
240	○	180	215	19 / A2
250	○	190	225	19 / A2
275	○	210	250	19 / A2
330	○	260	305	19 / A2



BI-METAL
A2

Protect 1000™

DIMENZIJE NA UPIT !

$G_p \text{ max}$ = atestirana maksimalno dozvoljena ukupna debljina panela koja se može spojiti sa pojedinom dužinom vijka sa uključenom kalotom

Primjeri:

* Krovni panel debljine 50 mm (ukupno 90mm sa gornjim valom) spaja se sa vijkom 5.5/6.3 x 120 mm.

* Zidni panel debljine ukupno 50 mm spaja se sa vijkom 5.5/6.3 x 80 mm.

Montaža:

* maksimalni broj okretaja kod montaže rpm=1.800 °/min.

e-željezara
web shop

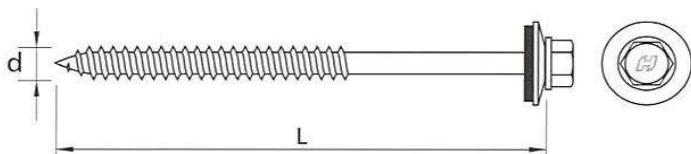
DTS 505

Samourezni vijak sa šesterokutnom glavom i EPDM podloškom

ZN

za spajanje panela na drvenu konstrukciju

Typ 17.



$L \setminus D$	$\varnothing 6,5$	$G_{p\ max}$	EPDM \varnothing
90	○	60	16
100	○	70	16
110	○	80	16
120	○	90	16
130	○	100	19
150	○	120	19
160	○	130	19
175	○	145	19
200	○	170	19
220	○	190	19
230	○	200	19
240	○	210	19
250	○	220	19
260	○	230	19
275	○	245	19
300	○	270	19



$G_{p\ max}$ = atestirana maksimalno dozvoljena ukupna debljina panela koja se može spojiti sa pojedinom dužinom vijka sa uključenom kalotom

Primjeri:

- * Krovni panel debljine 30 mm (ukupno 70mm sa gornjim valom) spaja se sa vijkom 6.5 x 100 mm.
- * Krovni panel debljine 100 mm (ukupno 140mm sa gornjim valom) spaja se sa vijkom 6.5 x 175 mm.
- * Zidni panel debljine ukupno 50 mm spaja se sa vijkom 6.5 x 90 mm.
- * Zidni panel debljine ukupno 80 mm spaja se sa vijkom 6.5 x 120 mm.

Montaža:

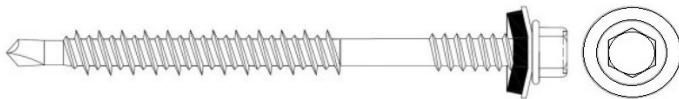
* predbušenje u drvu nije potrebno !!!

* maksimalni broj okretaja kod montaže rpm=800 °/min.

DTS 506 S

Samobušći vijak za spajanje panela na drvenu ili betonsku konstrukciju
sa šesterokutnom glavom i vulkaniziranom aluminijskom podloškom

RUSPERT
SILVER



$L \backslash D$	$\varnothing 6,4$	$G_p \text{ max}$
105	○	70
125	○	90
145	○	110
165	○	130
195	○	160
225	○	190
245	○	210
265	○	230
315	○	280

EPDM \varnothing
19
19
19
19
19
19
19
19
19



Montaža:

* predbušenje sa svrdlom promjera 5.0 mm vrši se isključivo samo kod montaže u betonsku podkonstrukciju !!!

* predbušenje u drvu nije potrebno !!!

* maksimalni broj okretaja kod montaže rpm=800 °/min.

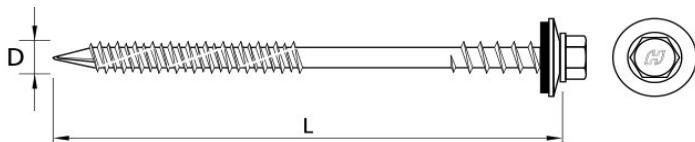
DTS 506

Samourezni vijak sa šesterokutnom glavom i EPDM podloškom

za spajanje panela na betonsku ili drvenu konstrukciju

Za ugradnju u beton potrebno je predbušenje promjerom 5 mm.

PROTECT 1000™



PROTECT 1000™



$\frac{D}{L}$	$\varnothing 6,4$	$G_p \text{ max}$	EPDM Ø
100	○	65 / 60	19
120	○	85 / 80	19
130	○	95 / 90	19
140	○	105 / 100	19
150	○	115 / 110	19
160	○	125 / 120	19
180	○	145 / 140	19
190	○	155 / 150	19
200	○	165 / 160	19
210	○	175 / 170	19
220	○	185 / 180	19
230	○	195 / 190	19
240	○	205 / 200	19
250	○	215 / 210	19
260	○	225 / 220	19
300	○	245 / 240	19
280	○	265 / 260	19



$G_p \text{ max}$ = atestirana maksimalno dozvoljena ukupna debljina panela koja se može spojiti sa pojedinom dužinom vijka sa uključenom kalotom
65 / 60 prva max debljina od 65 mm odnosi se na drvenu podkonstrukciju, a druga od 60 mm na betonsku podkonstrukciju

Primjeri:

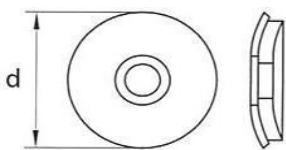
- * Krovni panel debljine 50 mm (ukupno 90mm sa gornjim valom) spaja se sa vijkom 6.4 x 130 mm u betonskoj ili drvenoj podkonstrukciji
- * Zidni panel debljine ukupno 80 mm spaja se sa vijkom 6.4 x 120 mm.
u betonskoj ili drvenoj podkonstrukciji

Montaža:

* predbušenje sa svrdlom promjera 5.0 mm vrši se isključivo samo kod montaže u betonsku podkonstrukciju !!!

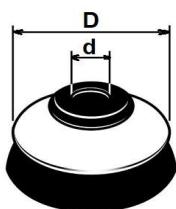
* predbušenje u drvu nije potrebno !!!

* maksimalni broj okretaja kod montaže rpm=800 °/min.

DTS 507*EPDM podložna pločica***ZN
AL
INOX**

D	Ø
12	○
14	○
16	○
19	○
25	○

VIJAK
4.2
4.8
5.5
5.5 / 6.3
5.5 / 6.3

DTS 507 V*EPDM podložna pločica visoka***ZN
INOX**

d	D	25
6	○	
8	○	

DTS 508 SW

Plastična kapice za krovne vijke

PVC / RAL

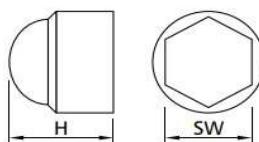


D	SW	8 (mm)	10 (mm)
19	0	0	0

DTS 508 SWH

Plastična ukrasne kapice

PVC



Dostupne boje: Bijela, Crna, Srebrna

M	SW (mm)	H (mm)
8	13	15.0
10	17	19.5
12	19	20.0
14	22	23.5
16	24	26.0
20	30	32.5
24	36	39.0
30	46	50.0

DTS 508 T

Plastične kapice za turbo vijak DTS 526

PVC



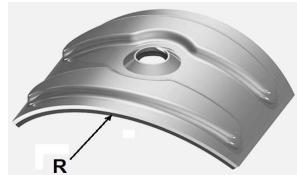
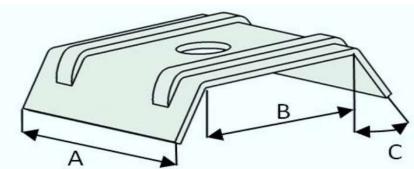
Dostupne boje: Bijela, Crna, Smeđa

T30
0

DTS 509

Kalote za trapezni i sinusoidni lim

AL
AL / RAL



DTS 509

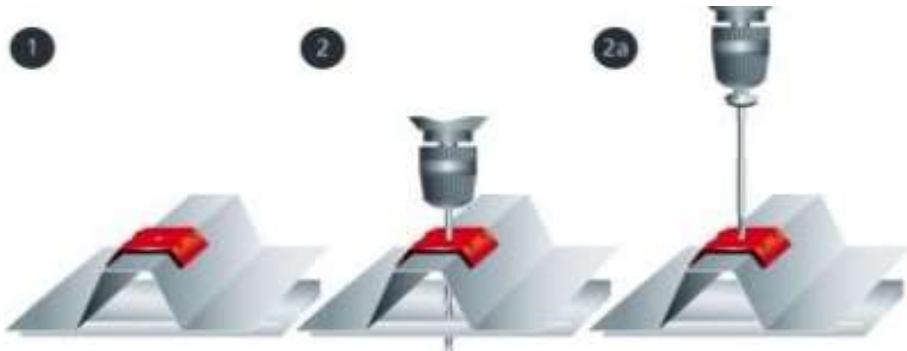
NAZIVNA	A	B	C	
20 / 23	38	20	23 °	
20 / 35	38	20	35 °	○
21 / 16	38	21	16 °	
21 / 46	38	21	46 °	
23 / 30	38	23	30 °	○
24 / 30	38	24	30 °	
25 / 27	38	25	27 °	○
26 / 15	38	26	15 °	
26 / 50	38	26	50 °	
28 / 52	32	28	52 °	
30 / 29	38	30	29 °	○
33 / 48	38	33	48 °	
34 / 23	38	34	23 °	
35 / 34	38	35	34 °	○
36 / 40	38	36	40 °	
40 / 24	32	40	24 °	
41 / 17	38	41	17 °	
41 / 32	38	41	32 °	○
41 / 39	38	41	39 °	
41 / 45	38	41	45 °	
45 / 30	32	45	30 °	
45 / 40	32	45	40 °	
50 / 36	40	50	36 °	
54 / 32	45	54	32 °	

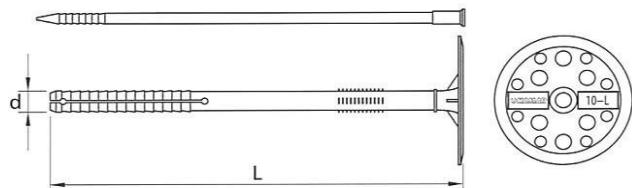
DTS 509 S

NAZIVNA	R (mm)
R 24	24
R 33	33
R 40	40
R 48	48

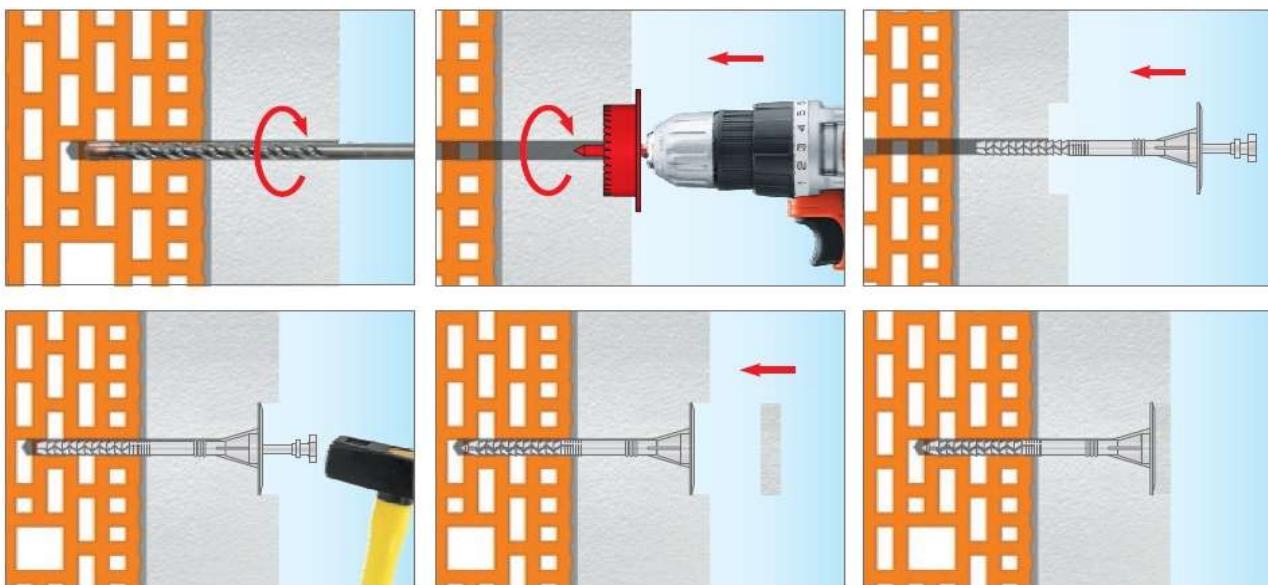
○ Dimenzije sa zalihe

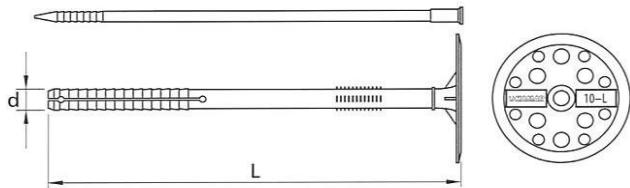
RAL boje sa zalihe: 3009, 7016, 8004, 8019, 9002, 9006



**IZOLACIJA**

$L \backslash D$	$\varnothing 10$	<i>IZOLACIJA</i>	<i>min.</i>	<i>max.</i>
70	○		10	20
90	○		30	40
100	○		40	50
110	○		50	60
120	○		60	70
140	○		80	90
160	○		100	110
180	○		120	130
200	○		140	150
220	○		150	170
260	○		200	210

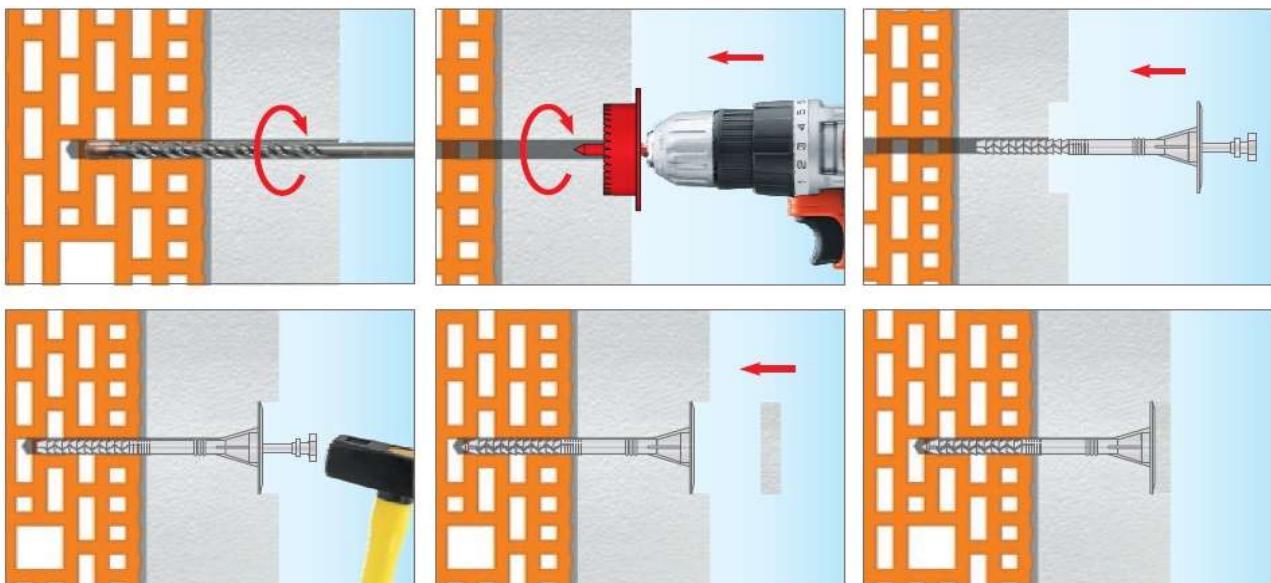




IZOLACIJA

$L \backslash D$	$\varnothing 10$
100	○
120	○
140	○
160	○
180	○
200	○
220	○
260	○

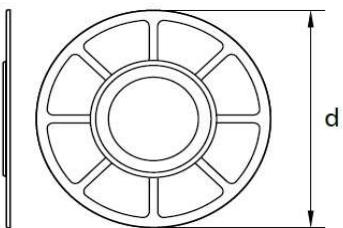
	min.	max.
40	50	
60	70	
80	90	
100	110	
120	130	
140	150	
150	170	
200	210	



DTS 512 LIT

Disk za fasadne tiple

- Koristi se kod sidrenja kamene vune kod tipla sa trnom DTS 510 ili DTS 511

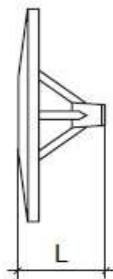
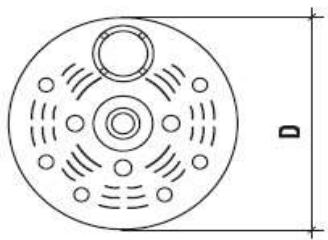


MATERIJAL	d
Poliamid	125
Polipropylen	125

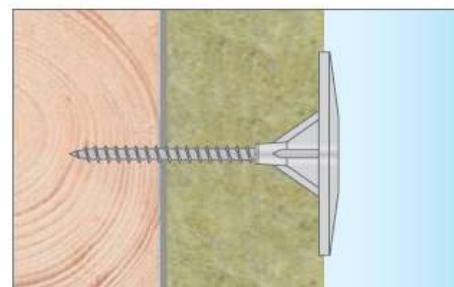
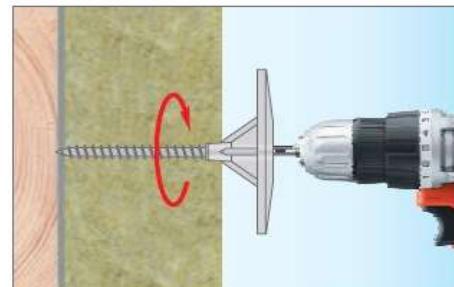
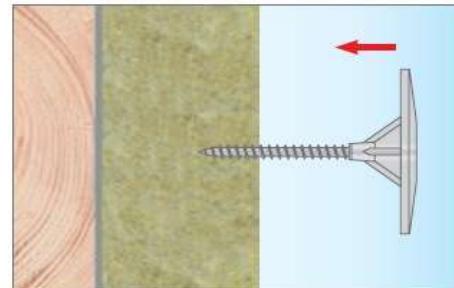
DTS 512 LIK

Disk za izolacijsku kamenu vunu

- Za vijke promjera $\varnothing 4,5 - 6,0 \text{ mm}$



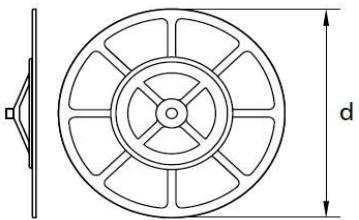
L	D	60
15	O	



DTS 512 LITW

Disk za mekanu izolacijsku kamenu vunu

- Za vijke promjera Ø4,5 - 6,5 mm

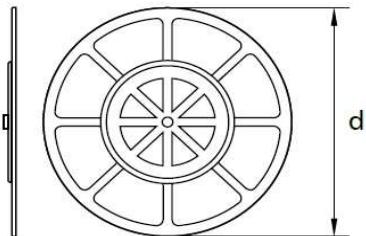


MATERIJAL	d
Poliamid	125
Polipropylen	125

DTS 512 LITP

Disk za tvrdnu izolacijsku kamenu vunu

- Za vijke promjera Ø4,8 - 6,5 mm



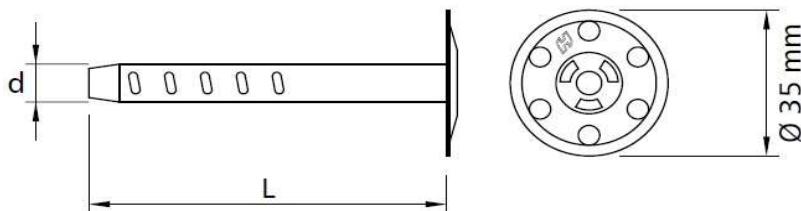
MATERIJAL	d
Poliamid	125
Polipropylen	125

DTS 513 LIM

Metalna tipla za sidrenje izolacijske kamene vune na alu fasadama

ZN

INOX



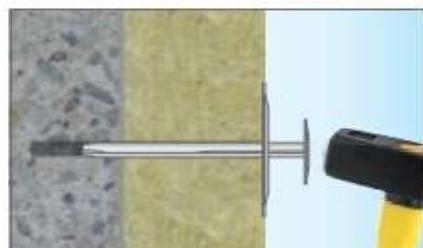
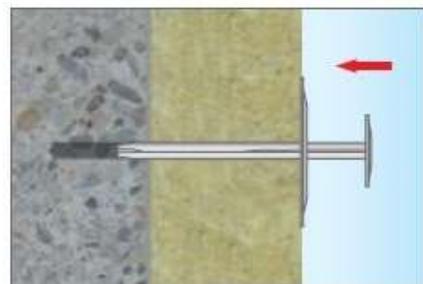
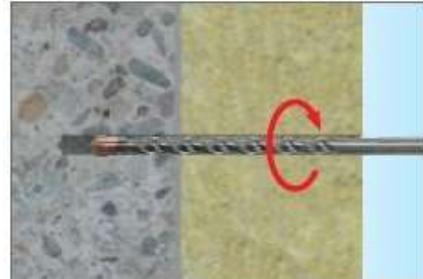
INOX

A2



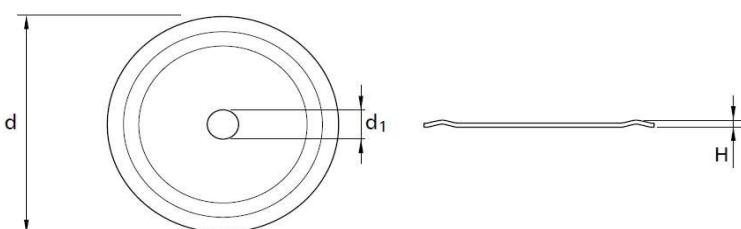
$L \setminus D$	8
60	○
80	○
90	○
110	○
140	○
170	○
200	○
220	○
230	○
240	○
250	○
300	○

SVRDLO	
Ø8	



DTS 513 LIMP

Metalna podloška za metalnu tiplu DTS 513 LIM

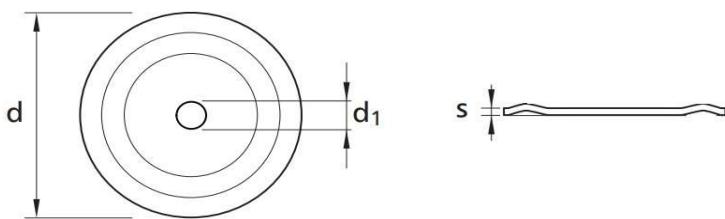


d	d_1	H
70	9.5	2.1

DTS 514 EF

Okrugla ravna podloška

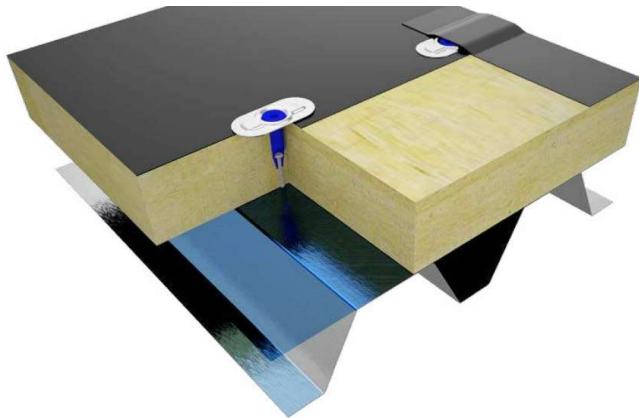
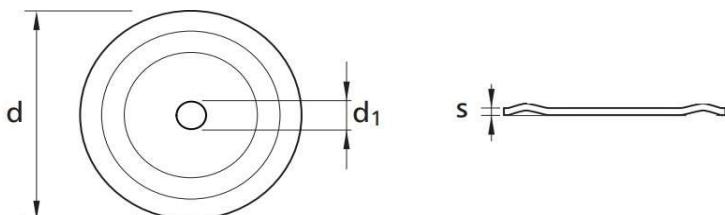
ALU-ZINK



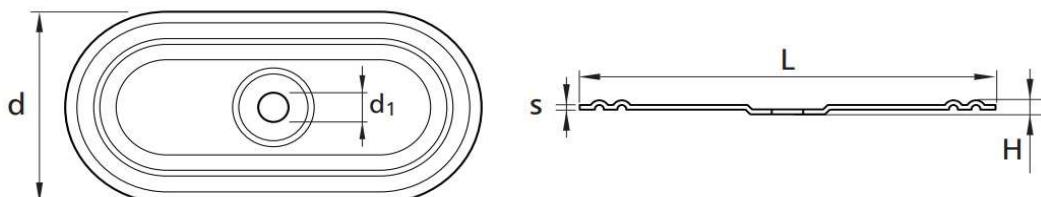
d	d_1	s
40	6,0	1
50	6.3	1

DTS 514 LI

Okrugla ravna podloška

**DTS 514 LI**

Ovalna ravna podloška

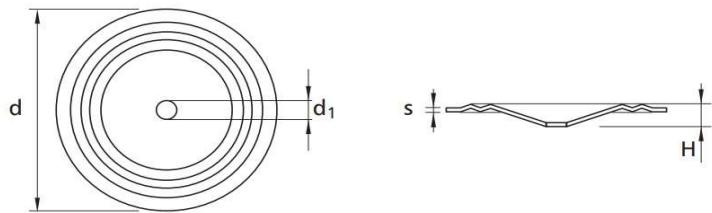


d	L	d_1	s
40	82	6.2	1
40	82	6.2	0.7

DTS 514 LI

Okrugla konveksna podloška

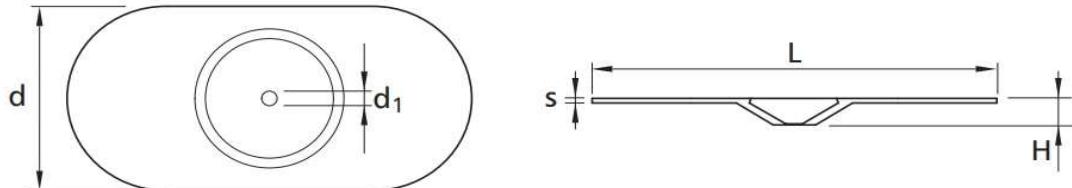
ALU-ZINK



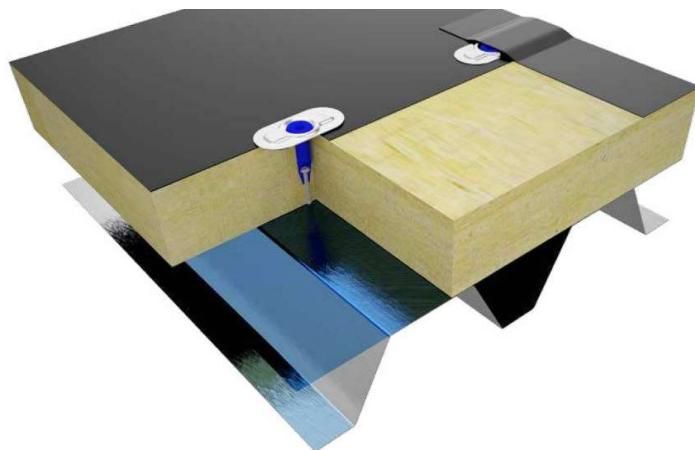
d	d_1	H	s
40	6.5	4	1
50	6.5	4	1
70	6.5	4	1
70	6.5	7.2	0.7

DTS 514 LI

Ovalna konveksna podloška



d	L	d_1	H	s
40	82	4.8	7.2	1
40	82	6.5	4	1

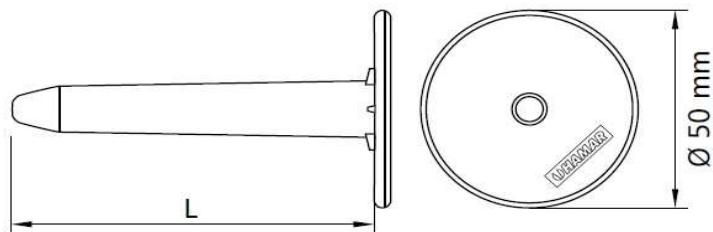


DTS 515

Teleskopska tipla za pričvrst izolacije na ravnim krovovima

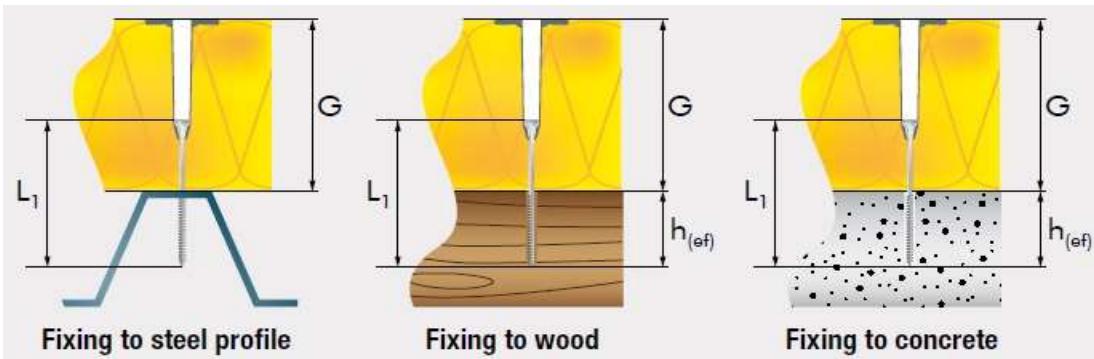
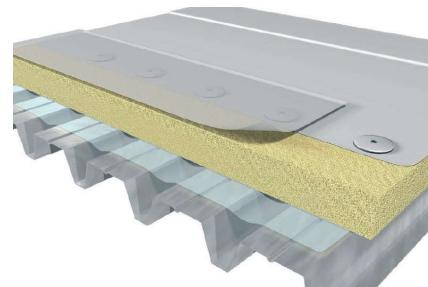
PA

- Tipla se koristi sa vijcima DTS 516 S, DTS 516 U, DTS 516 UD



	S	U
L \ D	Ø 4,8	Ø 6,1
35	○	○
60	○	○
85	○	○
95	○	○
105	○	○
115	○	○
135	○	○
145	○	○
165	○	○
185	○	○
215	○	○
235	○	○
285	○	○
325	○	○
385	○	○
435	○	○
535	○	○

IZOLACIJA	METAL	DRVO	BETON
50-70	50-70	80	55-85
80-100	60-80	80	65-85
110	60	80	65
120	60	80	65
130	60	80	65
140-150	70	80	85
160	60	80	65
170-180	60-70	80	65-85
190-200	60-70	80	65-85
210-230	60-80	80	85
240-250	60-70	80	65-85
260	60	80	65
300	50	80	55
350	60	80	65
410	60	80	65
460	60	80	65
560	60	80	65



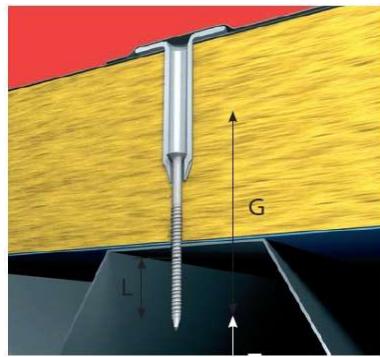
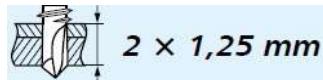
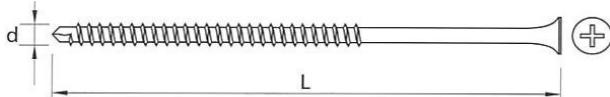
DTS 516 S

Samobušći vijak sa upuštenom križnom glavom PH2 za lim

PROTECT 1000™

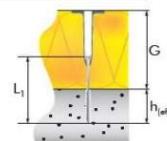
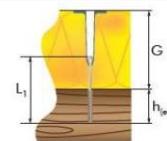
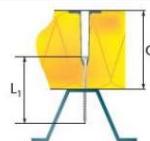
- Za pričvšćenje izolacije na ravnim krovovima

- Koristi se sa teleskopskom izolacijskom tiplom DTS 515 S



L	D	$\varnothing 4,8$
50		○
60		○
70		○
80		○
90		○
100		○
120		○
140		○
160		○
180		○
200		○
240		○
250		○
300		○

Insulation thickness G (mm)	Steel substrate S280GD		Wooden substrate \geq C24		Concrete substrate \geq C20/25	
	DTS 515	DTS 516 S	L_1 (mm)	Screw length L_1 (mm)	Effective embedment depth h_{eff} (mm)	DTS 516 U
		L (mm)		Round type	80	20
50	35	50	50		55	
60	35	60	60		65	
70	35	70	70		85	
80	60	60	60		65	
90	60	70	70		85	
100	60	80	80		85	
110	85	60	60		65	
120	95	60	60		65	
130	105	60	60		65	
140	115	60	60		65	
150	115	70	70		85	
160	135	60	60		85	
170	145	60	60		65	
180	145	70	70		85	
190	165	60	60		65	
200	165	70	70		85	
210	185	60	60		65	
220	185	70	70		85	
230	185	80	80		85	
240	215	60	60		65	
250	215	70	70		85	
260	235	60	60		65	
300	285	50	50		85	
350	325	60	60		65	
410	385	60	60		65	
460	435	60	60		65	
560	535	60	60		65	
Oval type						
80	65	50	80		-	
100	65	70	100	20	-	
120	65	100	-			
150	65	120				



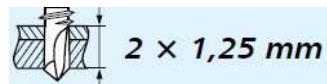
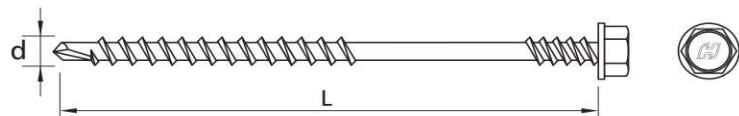
DTS 516 SW

Samobušći vijak sa šesterokutnom glavom za lim

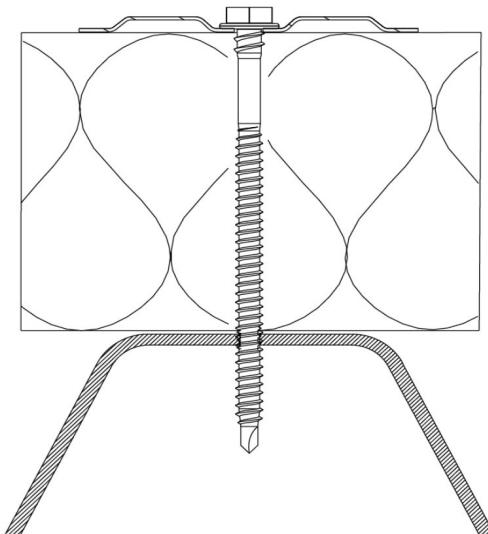
PROTECT 1000™

- Za pričvršćenje izolacije na ravnim krovovima

- Koristi se sa podloškama DTS 514 LI



L	D	$\varnothing 4,8$
100		○



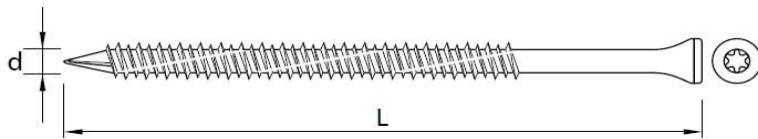
DTS 516 U

Samourezni vijak sa torx glavom T25 za beton

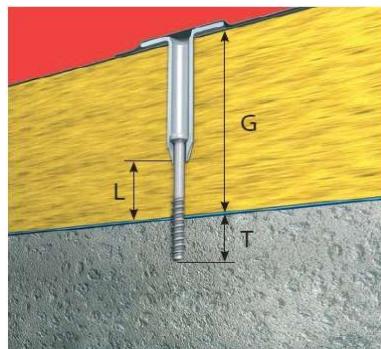
PROTECT 1000™

- Za pričvršćenje podne izolacije na ravnim krovovima;

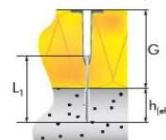
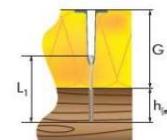
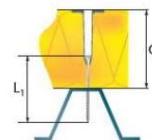
- Koristi se sa teleskopskom izolacijskom tiplom DTS 515 U



L	D	Ø6,1
55		○
65		○
85		○
100		○
120		○
150		○
180		○
200		○
220		○
250		○
300		○



Insulation thickness G (mm)	DTS 515 L (mm)	Steel substrate S280GD		Wooden substrate ≥ C24		Concrete substrate ≥ C20/25	
		DTS 516 S		Screw length L ₁ (mm)	Effective embedment depth h _{eff} (mm)	DTS 516 U	Effective embedment depth h _{eff} (mm)
		Round type	Oval type				
50	35	50				55	
60	35	60				65	
70	35	70				85	
80	60	60				65	
90	60	70				85	
100	60	80				85	
110	85	60				65	
120	95	60				65	
130	105	60				65	
140	115	60				65	
150	115	70				85	
160	135	60				65	
170	145	60				65	
180	145	70				85	30
190	165	60				65	
200	165	70				85	
210	185	60				65	
220	185	70				85	
230	185	80				85	
240	215	60				65	
250	215	70				85	
260	235	60				65	
300	285	50				55	
350	325	60				65	
410	385	60				65	
460	435	60				65	
560	535	60				65	
Oval type							
80	65	50		80			
100	65	70		100	20		
120	65	100		-		-	
150	65	120					



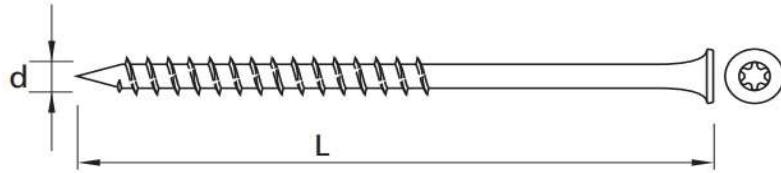
DTS 516 UD

Samourezni vijak sa torx glavom T25 za drvo

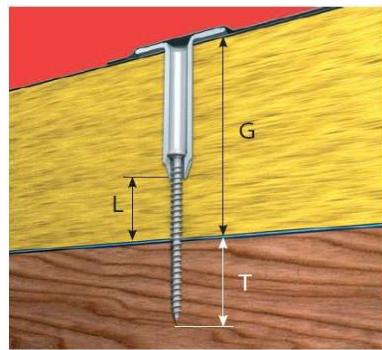
PROTECT 1000™

- Za pričvršćenje podne izolacije na ravnim krovovima;

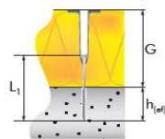
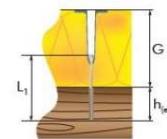
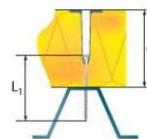
- Koristi se sa teleskopskom izolacijskom tiplom DTS 515 U



<i>L</i>	<i>D</i>	$\varnothing 5,0$
80		○
100		○



Insulation thickness <i>G</i> (mm)	<i>DTS</i> 515	Steel substrate S280GD		Wooden substrate ≥ C24		Concrete substrate ≥ C20/25	
		<i>L</i> (mm)	<i>DTS</i> 516 S	<i>L</i> ₁ (mm)	Screw length	Effective embedment depth	<i>DTS</i> 516 U
		Round type			<i>L</i> ₁ (mm)	<i>h</i> _{ef} (mm)	<i>L</i> ₁ (mm)
50	35			50			55
60	35			60			65
70	35			70			85
80	60			60			65
90	60			70			85
100	60			80			85
110	85			60			65
120	95			60			65
130	105			60			65
140	115			60			65
150	115			70			85
160	135			60			65
170	145			60			65
180	145			70			85
190	165			60			65
200	165			70			85
210	185			60			65
220	185			70			85
230	185			80			85
240	215			60			65
250	215			70			85
260	235			60			65
300	285			50			55
350	325			60			65
410	385			60			65
460	435			60			65
560	535			60			65
Oval type							
80	65			50			
100	65			80			
120	65			100			-
150	65			120			-

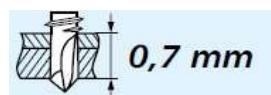
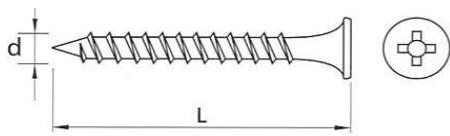


DTS 517

Samourezni vijak za gipsane ploče sa finim navojem

- za spajanje gipsanih ploča na metalne profile

Fosfatirano



$L \backslash D$	$\varnothing 3,5$	$\varnothing 4,2$	$\varnothing 4,8$
25	○		
35	○		
45	○		
55	○		
70		○	
100			○

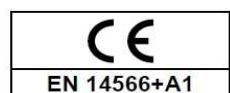
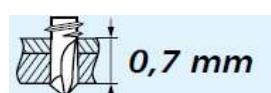
DTS 517 R

Samourezni vijak za gipsane ploče sa finim navojem

u redeniku 20/50

- za spajanje gipsanih ploča na metalne profile

Fosfatirano



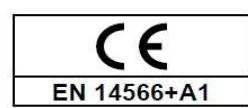
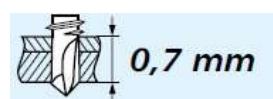
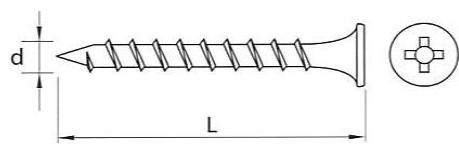
$L \backslash D$	$\varnothing 3,5$
25	○
35	○
45	○
55	○

DTS 518

Samourezni vijak za gipsane ploče sa grubim navojem

- za spajanje gipsanih ploča na drvo ili međusobno spajanje

Fosfatirano



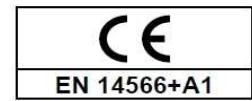
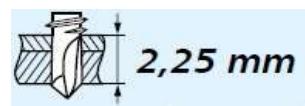
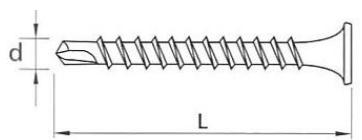
$L \backslash D$	$\varnothing 3,5$	$\varnothing 4,2$	$\varnothing 4,8$
25	○		
35	○		
45	○		
55	○		
70		○	
90		○	○
100			○
110			○
120			○
140			○

DTS 519

Samobušći vijak za gipsane ploče sa finim navojem

- za spajanje gipsanih ploča na metalne profile

Fosfatirano



L	D	$\varnothing 3,5$
25	○	
35	○	
45	○	
55	○	

DTS 520

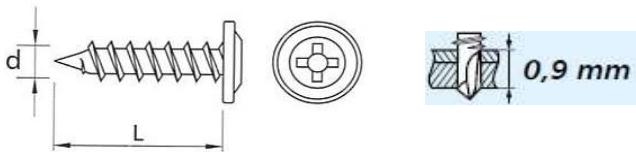
Samourezni vijak za međusobno spajanje limova

ZN

ZN / RAL

Fosfatirano

INOX



L	D	$\varnothing 4,2$
13	○	
16	○	
19	○	
25	○	
30	○	
38	○	
45	○	
50	○	
65	○	

DTS 520 P

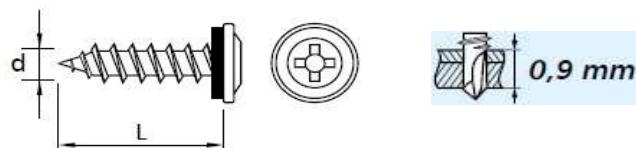
Samourezni vijak sa EPDM podloškom za međusobno spajanje limova

ZN

ZN / RAL

Fosfatirano

INOX



L	D	$\varnothing 4,2$
13	○	
16	○	
19	○	
25	○	
30	○	
38	○	
45	○	
50	○	
65	○	

DTS 521

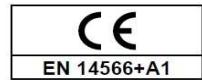
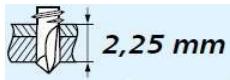
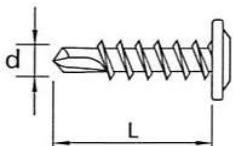
Samobušći vijak za međusobno spajanje limova

ZN

ZN / RAL

Fosfatirano

INOX



ZN



L	D	$\varnothing 4,2$
13	○	
16	○	
19	○	
25	○	
30	○	
38	○	
45	○	
50	○	
65	○	

L	D	$\varnothing 4,2$
16	○	

DTS 521 P

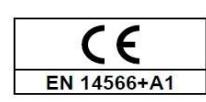
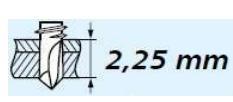
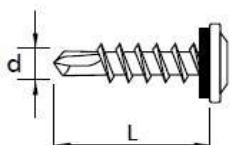
Samobušći vijak sa EPDM podloškom za međusobno spajanje limova

ZN

ZN / RAL

Fosfatirano

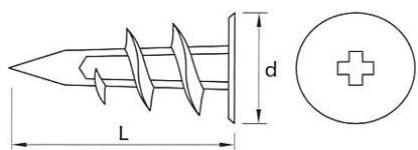
INOX



L	D	$\varnothing 4,2$
13	○	
16	○	
19	○	
25	○	
30	○	
38	○	
45	○	
50	○	
65	○	

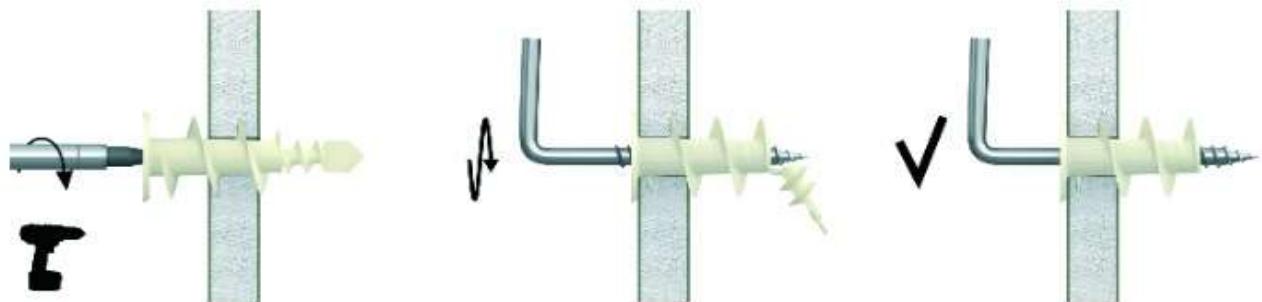
DTS 522

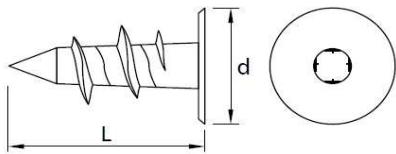
Samobušeca puž tipla za gipsane ploče

Nylon

L	D
33	15

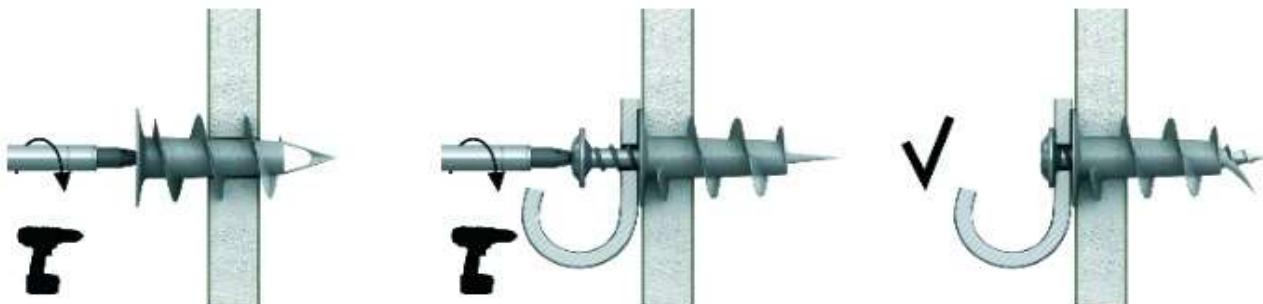
VIJAK
3,5 - 4,5

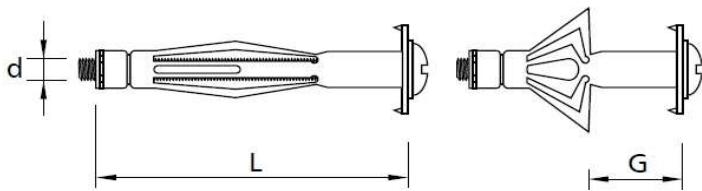




<i>L</i>	<i>D</i>
28	Ø14
38	Ø14

VIJAK
4,5
4,5

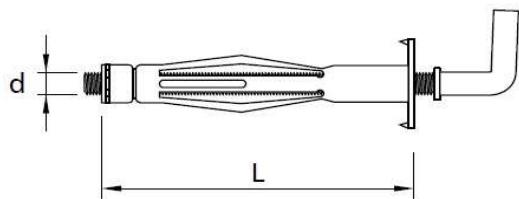




$L \backslash D$	M4	M5	M6
32	○		
36			○
38		○	
47	○		
52		○	
53		○	
60	○		
65		○	
80		○	○

SVRDLO	G - M4	G - M5	G - M6
8	3 - 12		
8			6 - 12
8		6 - 12	
8	16 - 24		
8		3 - 16	
8		8 - 16	
8	24 - 36		
8		16 - 32	
8		32 - 45	32 - 45

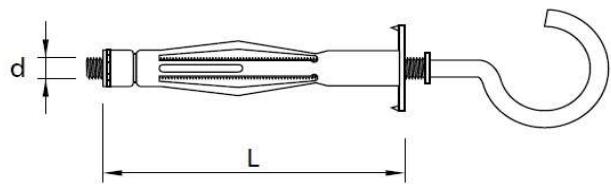




$L \setminus D$	<i>M4</i>	<i>M5</i>
38	○	
52	○	

<i>SVRDLO</i>	<i>G - M4</i>	<i>G - M5</i>
8	9 - 16	
11		7 - 16





$L \backslash D$	M4	M5
38	○	
52	○	

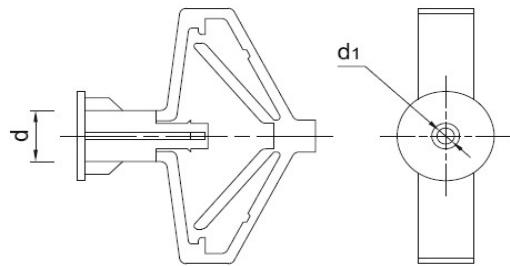
SVRDLO	G - M4	G - M5
8	9 - 16	
11		7 - 16



DTS 524 GKK

Preklopna tipla za gipsane ploče

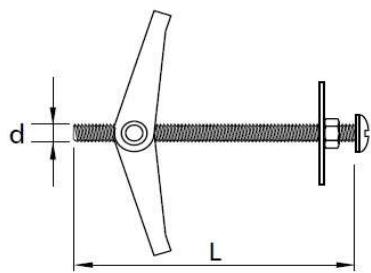
Nylon



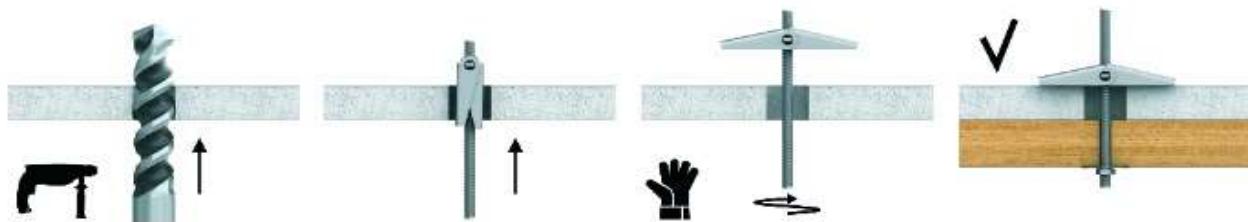
	$\varnothing 8$	$\varnothing 10$
d_1 - vijak	3.5	4.0
$G_{\min.}$	12.5	9.5

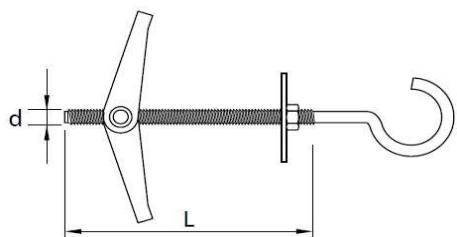
L	d	$\varnothing 8$	$\varnothing 10$
50	o	o	o



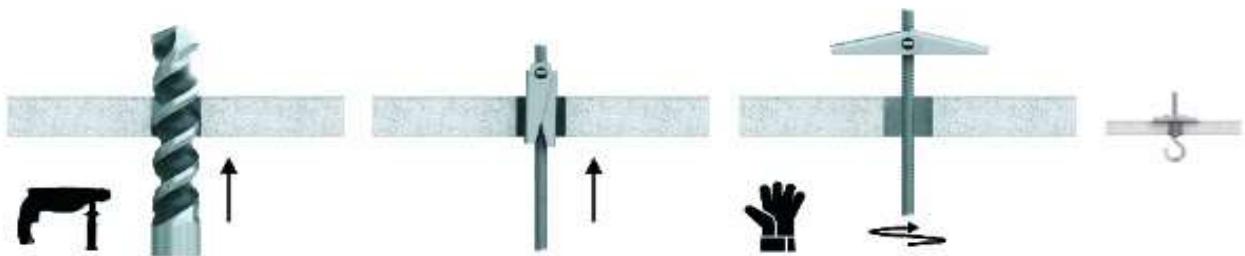
**SVRDLO** | **Ø 12** | **Ø 16**

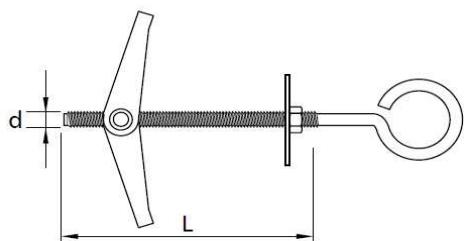
<i>L</i>	<i>D</i>	M4	M5
50	Ø 12	○	○
75	Ø 16	○	○



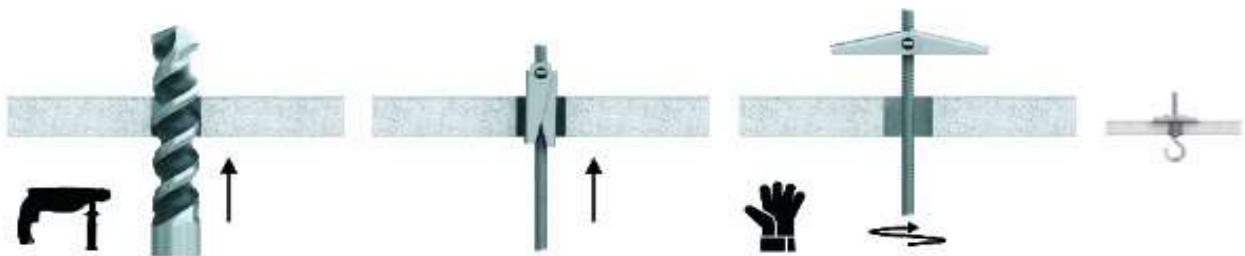
**SVRDLO** | **Ø 12** | **Ø 16**

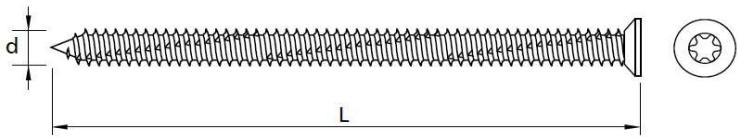
<i>L</i>	<i>D</i>	<i>M4</i>	<i>M5</i>
50	○		
75	○	○	
90		○	



**SVRDLO** | **Ø 12** | **Ø 16**

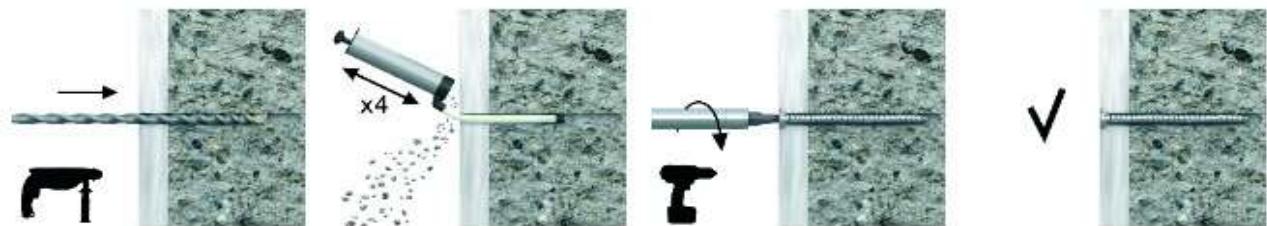
<i>L</i>	<i>D</i>	<i>M4</i>	<i>M5</i>
50	○		
75	○	○	
90		○	

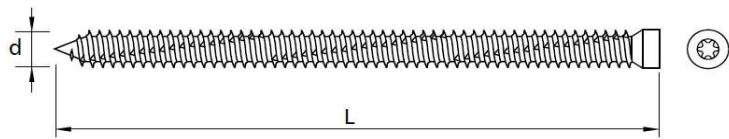




L	D	$\varnothing 7,5$
52		○
72		○
92		○
112		○
132		○
152		○
182		○
202		○
212		○
252		○
302		○

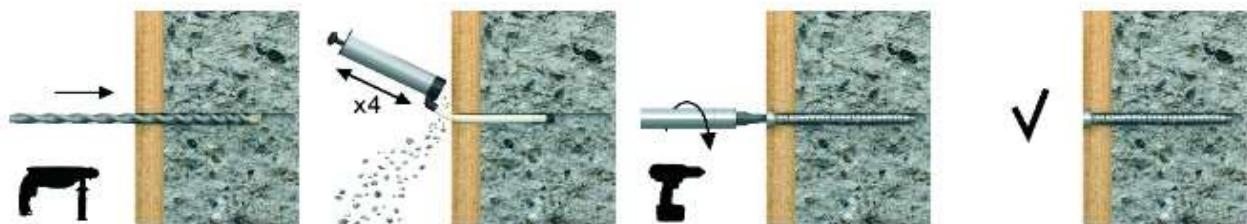
Svrdlo
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5

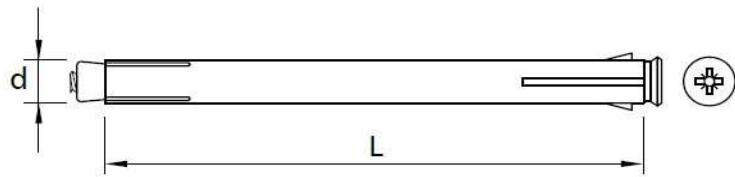




<i>L</i>	<i>D</i>	$\varnothing 7,5$
72		○
92		○
112		○
132		○
152		○
182		○
202		○
212		○
252		○
302		○

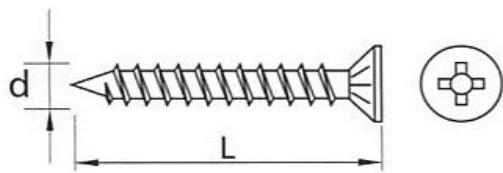
Svrdlo
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5
6,0 / 6,5



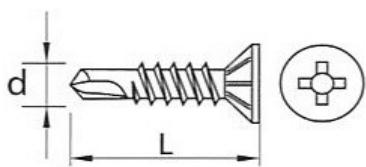


<i>L</i>	<i>D</i>	$\varnothing 10$
72		○
92		○
112		○
132		○
152		○
182		○
202		○

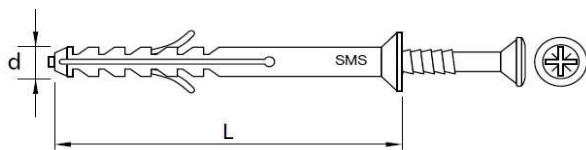
Svrdlo
10
10
10
10
10
10
10
10



L	D	$\varnothing 4,0$
25		○
30		○
35		○
40		○
45		○
50		○

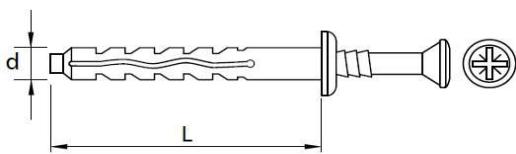
DTS 530 Z*Samobušecí križni vijak za PVC stolariju***ZN**

L	D	$\varnothing 3,9$
13		○
16		○
19		○
25		○
32		○
38		○



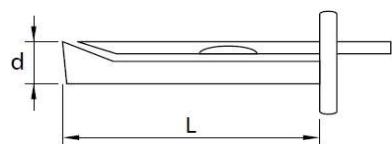
$L \backslash D$	$\varnothing 6$	$\varnothing 8$	$\varnothing 10$
40	○		
60	○	○	
80	○	○	○
100		○	○
120		○	○
140		○	○
160		○	○
180			○
200			○
220			○



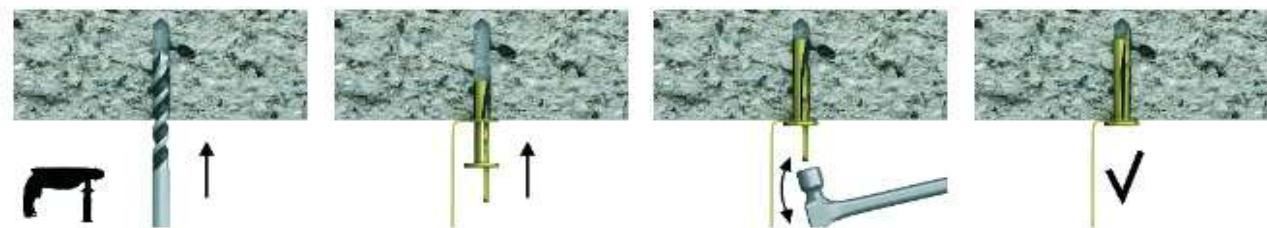


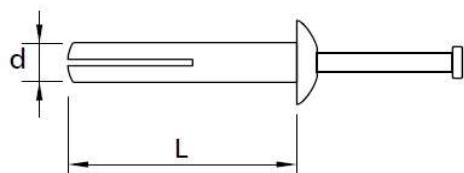
L	D	$\varnothing 6$
40	o	
60	o	
80	o	



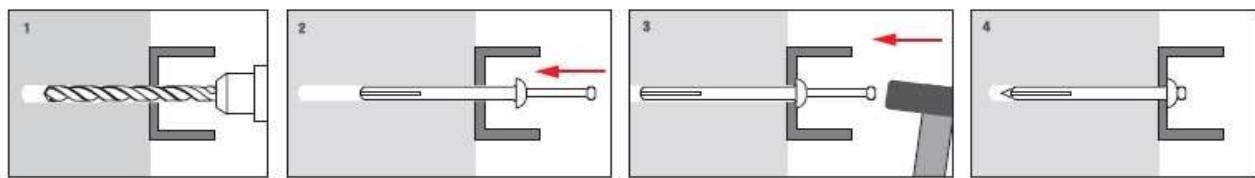


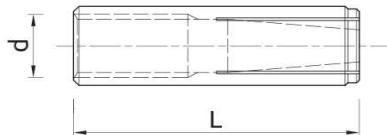
<i>L</i>	<i>D</i>	$\varnothing 6$	Svrdlo
35		○	6
40		○	6
65		○	6





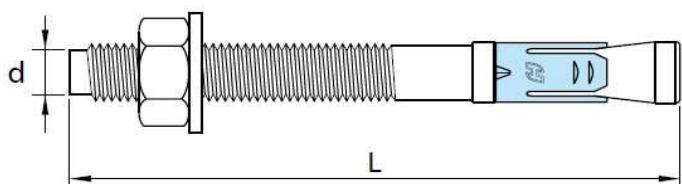
L	D	$\varnothing 6$	Svrdlo
30		○	6
40		○	6
50		○	6
65		○	6



**SVRDLO** **Ø 8** **Ø 10** **Ø 12** **Ø 15** **Ø 20** **Ø 25**

<i>L</i>	<i>D</i>	M 6	M 8	M 10	M 12	M 16	M 20
25	25	○					
30	30		○				
40	40			○			
50	50				○		
65	65					○	
80	80						○

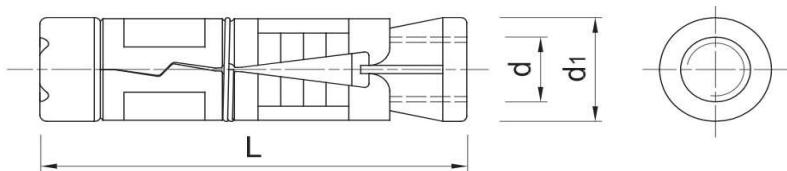




SVRDLO **$\varnothing 6$** $\varnothing 8$ $\varnothing 10$ $\varnothing 12$ $\varnothing 16$ $\varnothing 20$ $\varnothing 24$

$L \backslash D$	$M 6$	$M 8$	$M 10$	$M 12$	$M 16$	$M 20$	$M 24$
50	○	○					
60	○	○					
65	○	○	○				
75		○	○				
80	○	○	○	○			
85		○	○				
90		○	○				
95		○	○				
100	○	○	○	○	○		
105					○		
115	○	○					
120	○	○	○				
125			○	○	○		
130	○	○					
135			○				
140	○	○	○	○			
150	○	○	○	○			
160				○	○		
180		○	○	○			○
200				○	○		
220			○	○	○		
240				○			
250			○	○			
260						○	
280				○			
300	○	○	○	○			

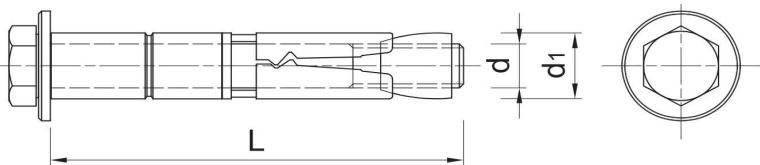




d_{nom} | Ø 10 | Ø 12 | Ø 15 | Ø 18

$L \backslash D$	M 6	M 8	M 10	M 12
45	○			
50		○		
60			○	
75				○





d_1 $\varnothing 10$ $\varnothing 12$ $\varnothing 16$ $\varnothing 18$ $\varnothing 24$

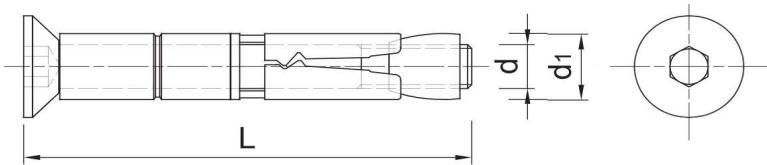
$L \backslash d$	M 6	M 8	M 10	M 12	M 16
70	○				
80	○	○			
100	○	○	○		
120	○	○	○	○	
140		○	○		○
150				○	
160		○			
170			○	○	
200			○	○	
220					○



DTS 538 U

Visokoučikovito mehaničko sidro sa upuštenim vijkom

ZN



d_1 | Ø 10 | Ø 12 | Ø 16 | Ø 18

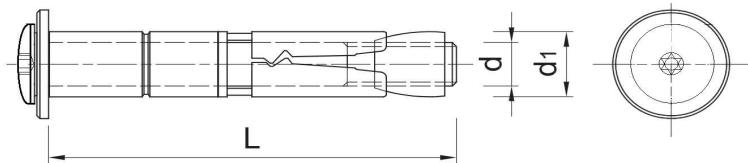
$L \backslash d$	M 6	M 8	M 10	M 12
85	○	○		
105	○	○		
110			○	
120				○
125	○	○		
130			○	
140				○



DTS 538 C

Visokoučikovito mehaničko sidro sa cilindričnim vijkom

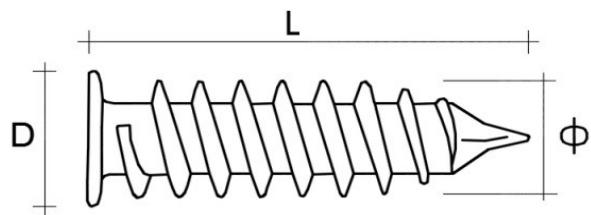
ZN



d_1 $\varnothing 12$ $\varnothing 16$

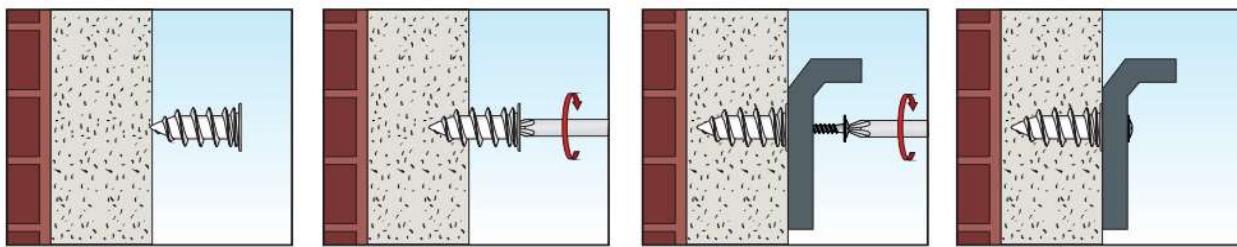
$L \backslash d$	$M 8$	$M 10$
80	○	
100	○	○
120	○	○

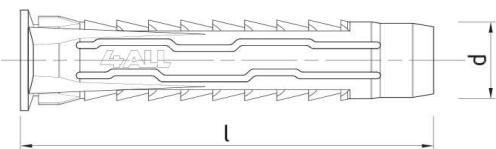




$L \backslash D$	$\varnothing 23$	$\varnothing 27$
50	○	
58		○
90		○

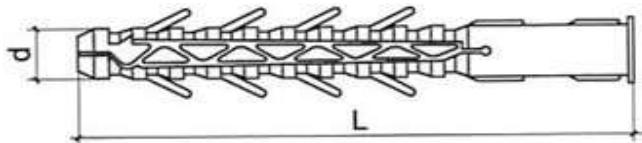
\varnothing	VIJAK	DOSJED
23	3.5 - 4.5	T40
27	4 - 6	SW10
27	8 - 10	SW13





$L \backslash D$	$\varnothing 6$	$\varnothing 8$	$\varnothing 10$	$\varnothing 12$
33	o			
52		o		
67			o	
73				o



**VIJAK** | Ø 8 | Ø 10 | Ø 12 | Ø 16

$\frac{D}{L}$	Ø 8	Ø 10	Ø 12	Ø 16
65	o			
80	o	o	o	
100	o	o	o	o
115		o		
120	o		o	
135		o		
140	o		o	o
160		o	o	o
180		o	o	
200		o	o	o
220	o	o		
240		o	o	
260		o		
280		o		
300		o		



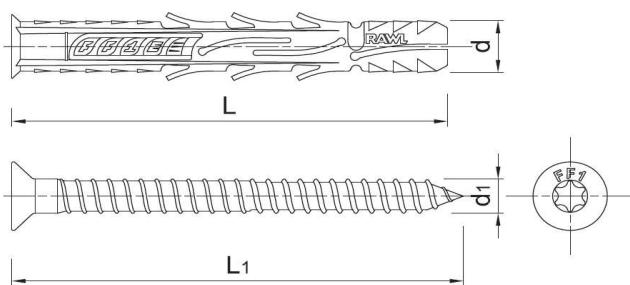
DTS 542

Univerzalna produžena tipla za okvire sa upuštenim torx vijkom T40

Nylon / ZN

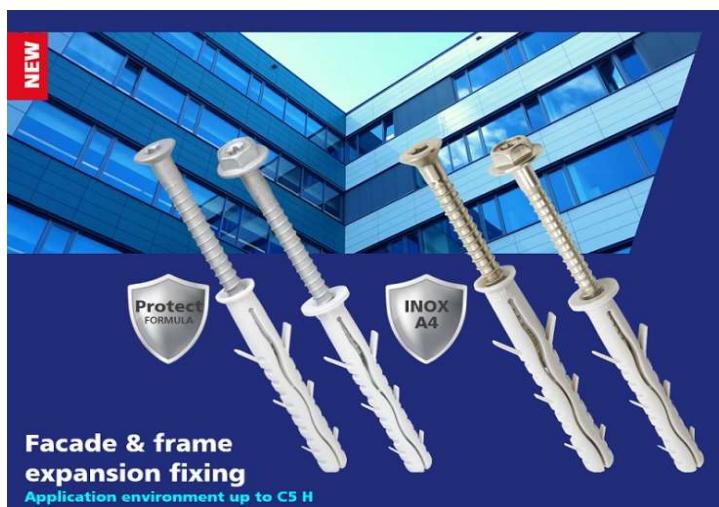
PROTECT 1000™

A4-INOX



$L \setminus D$	$\varnothing 10$
80	○
100	○
120	○
140	○
160	○
180	○
200	○
220	○

d_1	L_1
7	85
7	105
7	125
7	145
7	165
7	185
7	205
7	225



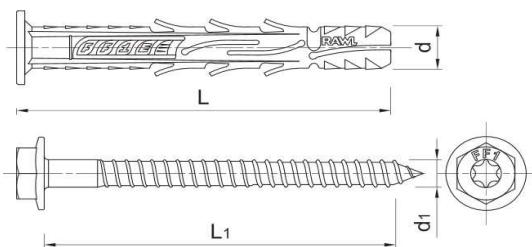
DTS 543

Univerzalna fasadna tipla sa šesterokutnim torx vijkom SW 13 / T40

Nylon / ZN

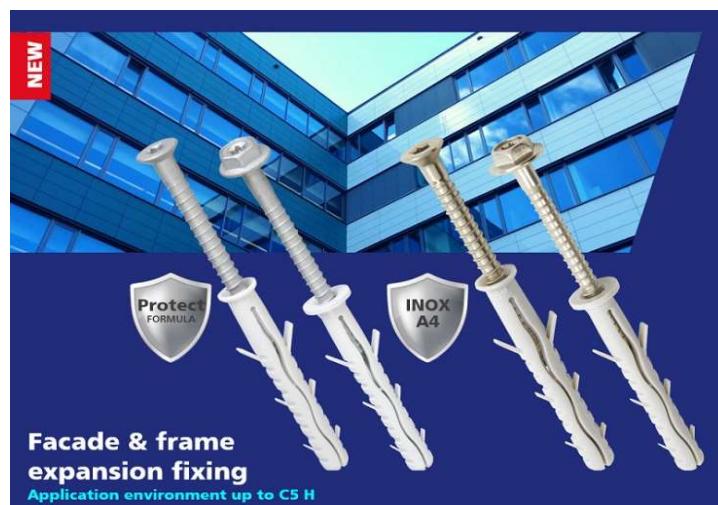
PROTECT 1000™

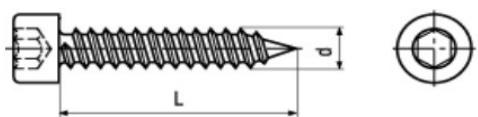
A4-INOX



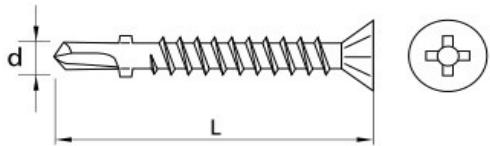
$L \setminus D$	$\varnothing 10$
60	○
80	○
100	○
120	○
140	○
160	○
180	○
200	○
220	○
260	○
300	○

d_1	L_1
7	69
7	89
7	109
7	129
7	149
7	169
7	185
7	209
7	225
7	249
7	309



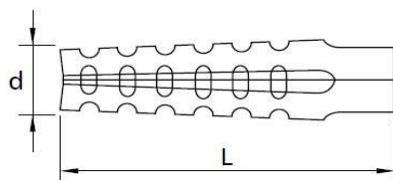


$L \backslash D$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
13	○	○	
16	○	○	○
19	○	○	○
22	○	○	○
25	○	○	○
32	○	○	○
38	○	○	○
45	○	○	○
50	○	○	○
60	○	○	○
70	○	○	○
80			○

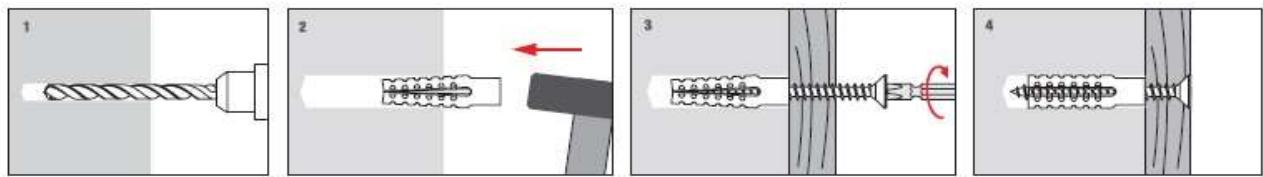
DTS 545*Samobušći vijak za lim sa upuštenom glavom**- vijak sa krilcima koristi se za spajanje drvenih podnica na metal***PROTECT 1000™****ZN**

<i>L</i>	<i>D</i>	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
32		○		
38		○	○	
45		○	○	
50		○	○	○
55			○	
60			○	
70			○	
80			○	
90			○	





<i>L</i>	<i>D</i>	$\varnothing 6$	$\varnothing 8$	$\varnothing 10$
32		○		
38			○	
60		○	○	



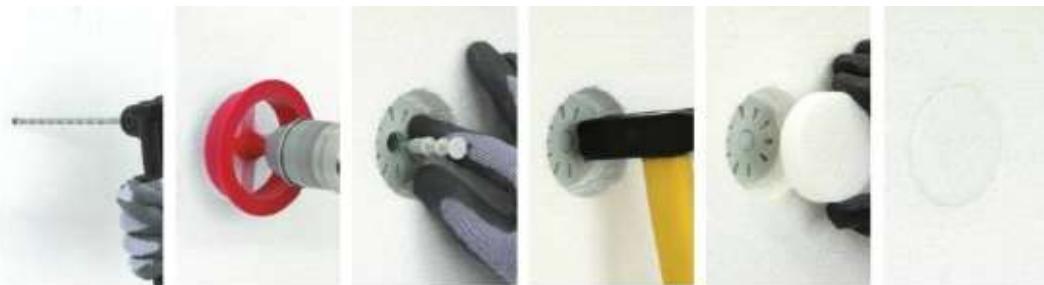
DTS 547

Frezer za rondele

Polipropilen



L	D	$\varnothing 67$
20		○



DTS 548

Kliješta za preklopne tiple DTS 524



SPC-0300SFPSF1, 300 ml. Polymix (bez stirena)**SPC-0420EXSSF1, 420 ml. Polymix Ultra (bez stirena)****FEATURES AND BENEFITS**

- Anchoring heavy and medium-load carrying attachments of threaded rods to concrete.
- All-weather bonding system for concrete.
- **Quick-cure formula.**
- **Base material temp.: -10°C to +29°C.**
- Dry, wet or flooded bore holes.
- Overhead installation allowed.
- Suitable for attachment points also close to the edge.
- Reaction to fire: Satisfy requirements for Class A1.
- Styrene free.
- **LEED certified for Green Building.**
- Colour: Grey
- Cartridge: 420ml

BASE MATERIAL

- Non-cracked concrete C 20/25 to C 50/60,
- Reinforced concrete,
- Unreinforced concrete

APPLICATIONS

- Barriers,
- Steel constructions,
- Handrails,
- Structural steel,
- Racking systems,
- Railings.

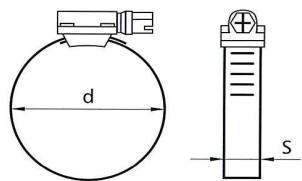
**INSTALLATION TIME POLYMIX ULTRA**

Concrete temperature [°C]	Working time [min]	Min. curing time [min]
-10 ÷ -6	60	240
-5 ÷ -1	45	120
0 ÷ +4	25	80
+5 ÷ +9	10	45
+10 ÷ +14	4	25
+15 ÷ +19	3	20
+20 ÷ +29	2	15
Cartridge temperature	-5 ÷ +30 [°C]	

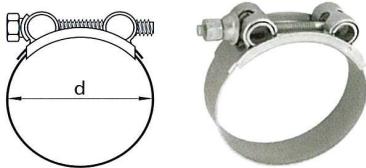
DTS 550

Aku pištolj za kemijski mort DTS 549





<i>d</i>	<i>s</i>	9 mm	12 mm
8 - 12		○	
10 - 16		○	
12 - 22		○	
16 - 25		○	○
20 - 32		○	○
25 - 40		○	○
32 - 50		○	○
40 - 60		○	○
50 - 70		○	○
60 - 80		○	○
70 - 90		○	○
80 - 100		○	
90-110			○
100-120			○
110-130			○
130-160			○
150-180			○
170-200			○
190-220			○
210-240			○
230-260			○
250-280			○
270-300			○

DTS 552*Obujmica robustna***ZN****INOX**

<i>d</i>	<i>s</i>	18 mm
17 - 19		○
20 - 22		○
23 - 25		○
26 - 28		○
29 - 31		○
30 - 33		○
32 - 35		○
36 - 39		○
40 - 43		○
44 - 47		○
42 - 46		○
48 - 51		○
52 - 55		○
56 - 59		○
61 - 63		○
64 - 67		○
68 - 73		○
74 - 79		○
80 - 85		○
86 - 91		○
92 - 97		○
98 - 103		○
104-112		○
113-121		○
122-130		○
131-139		○
140-148		○
149-161		○
162-174		○
175-185		○
188-200		○
201-213		○
214-226		○

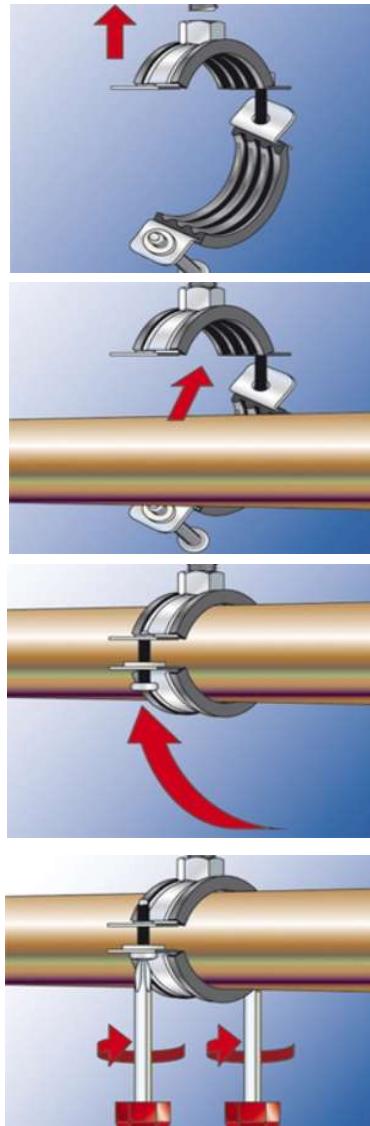
<i>d</i>	<i>s</i>	18 mm
227-239		○
240-252		○
268-280		○



MEFA

Raspon promjera	
12 - 14	○
15 - 19	○
20 - 23	○
24 - 28	○
31 - 35	○
38 - 43	○
48 - 51	○
52 - 56	○
57 - 63	○
63 - 67	○
70 - 73	○
74 - 80	○
83 - 91	○
108-114	○
120-125	○
130-136	○
136-142	○
159-163	○
165-169	○

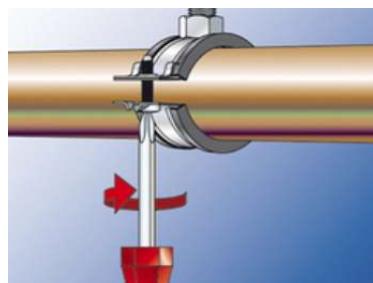
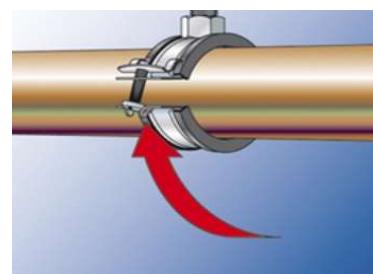
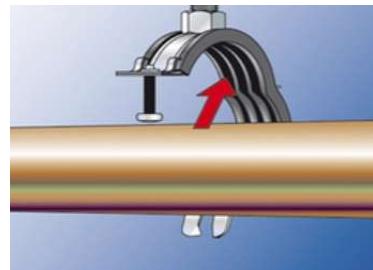
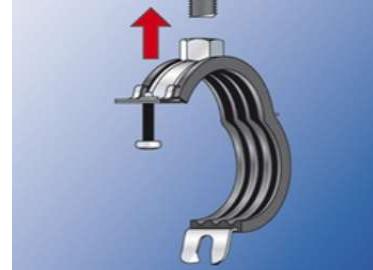
Inch	
1/4	
3/8	
1/2	
3/4	
1	
1 1/4	
1 1/2	
-	
2	
-	
-	
2 1/2	
3	
4	
-	
-	
5	
-	
6	





<i>Raspon promjera</i>	
6 - 10	○
12 - 15	○
16 - 19	○
20 - 23	○
25 - 29	○
32 - 35	○
40 - 44	○
48 - 52	○
53 - 57	○
58 - 60	○

<i>Inch</i>	
-	
1/4	
3/8	
1/2	
3/4	
1	
1 1/4	
1 1/2	
-	
2	



DTS 555

Ručna klješta za montažu blok zakovica DIN 7337 i DTS 567



DX3 - Sacto jednoručna klješta 2.4 - 4.8mm



DX65 - Sacto dvoručna klješta 3.0 - 6.4



DX8 - Sacto harmonika klješta 3.0 - 6.4



DTS 556

Pneumatska klješta za montažu blok zakovica DIN 7337



DX16 - Sacto jednoručna klješta 2.4 - 5.0mm



DX20 - Sacto dvoručna klješta 2.4 - 5.0



DTS 557

Ručna klješta za montažu zakivnih matica DTS 103



NX55 - Sacto jednoručna klješta M3 - M6



CNX65 - Sacto dvoručna klješta M3 - M10



NX70 - Sacto dvoručna klješta M6 - M12



DTS 558

Pneumatska klješta za montažu zakivnih matica DTS 103



NX36 - Sacto pneumatska klješta M3 - M10



NX40S - Sacto pneumatska klješta M6 - M12



DTS 559

Aku pištolj za montažu blok zakovica DIN 7337



DX50B - Sacto Aku pištolj 2.4 - 5.0mm



DTS 560

Samourezni torx vijak T-20 za spajanje lima na drvo sa EPDM podloškom

INOX



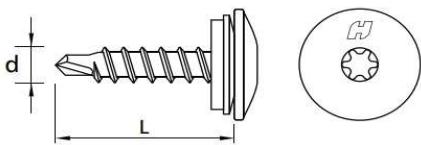
INOX

L	D	$\varnothing 4,5$
25	○	
30	○	
35	○	
40	○	

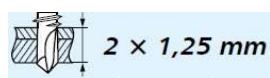
DTS 561

Samobušći vijak za međusobno spajanje limova sa EPDM podloškom

ZN



T25



L	D	$\varnothing 4,8$
19		○
35		○

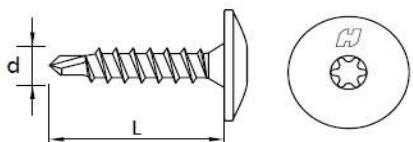
DTS 561 BP

Samobušći vijak za međusobno spajanje limova bez podloške

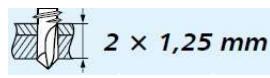
ZN

ZN / RAL

PROTECT 1000™



T25



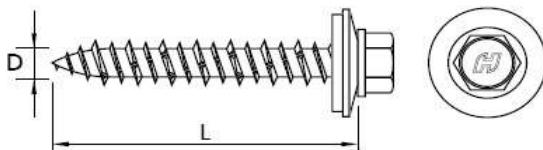
L	D	$\varnothing 4,8$
19		○
35		○

DTS 562

Samourezni vijak za beton sa inox EPDM podloškom

PROTECT 1000™

ZN



$L \backslash D$	$\varnothing 6,0$
35	○
45	○
65	○

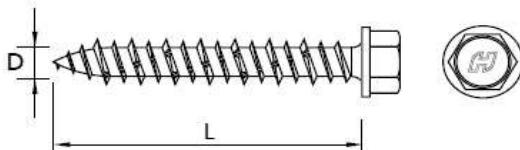
G_{max}
3
12
32

SVRDLO
$\varnothing 5$
$\varnothing 5$
$\varnothing 5$



DTS 562 BP

Samourezni vijak za beton bez podloške



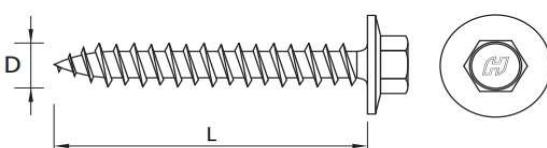
$L \backslash D$	$\varnothing 6,0$
35	○
45	○
65	○

G_{max}
5
15
35

SVRDLO
$\varnothing 5$
$\varnothing 5$
$\varnothing 5$

DTS 562 BPV

Samourezni vijak za beton bez podloške



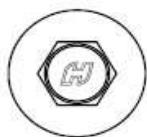
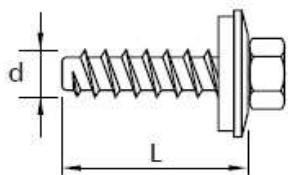
$L \backslash D$	$\varnothing 6,4$
40	○
57	○

G_{max}
10
40

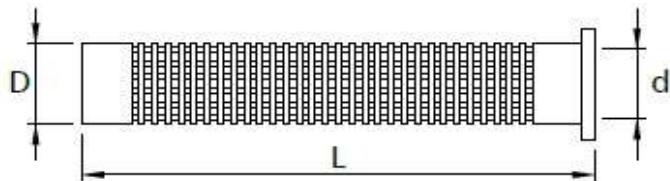
SVRDLO
$\varnothing 5$
$\varnothing 5$

DTS 563

Samourezni vijak za metal sa šesterokutnom glavom i vulkaniziranom
podloškom

ZN**A2**

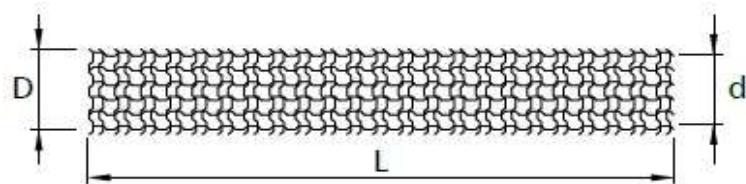
$L \backslash d$	$\varnothing 6,3$
19	○
25	○
32	○
38	○
45	○
50	○
63	○
75	○
100	○
130	○
150	○
175	○
200	○
225	○
250	○



M	M6-M8	M8-M10	M12-M16
d	9	13	18

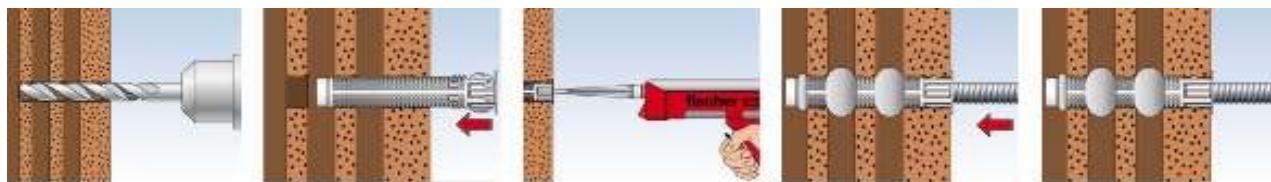
$L \backslash D$	$\varnothing 12$	$\varnothing 16$	$\varnothing 20$
80	o		
85		o	o
130		o	o
200			o
330	o		

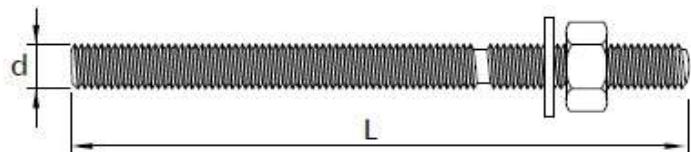




d M8 M10-M12 M16-M18

$\frac{D}{L}$	Ø12	Ø16	Ø20
1000	o	o	o



**ZN 5.8**

$L \backslash d$	M 8	M 10	M 12	M 16	M 20
L					
d					
110	○				
125				○	
130		○			
160			○		
190			○	○	
260					○

VZN 8.8

$L \backslash d$	M 8	M 10	M 12	M 16	M 20
L					
d					
110	○				
125				○	
130		○			
160			○		
190			○	○	
260					○

A2 - INOX

$L \backslash d$	M 8	M 10	M 12	M 16	M 20
L					
d					
110	○				
130		○			
160			○		
190				○	
260					○

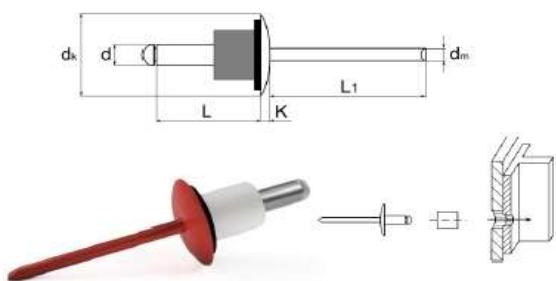
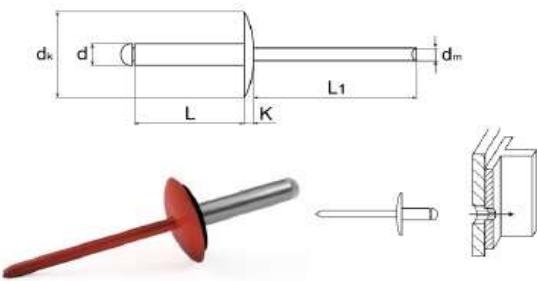
DTS 567

Blok zakovica sa širokom glavom

- za ventilirane fasadne sisteme

AL

INOX



	$\varnothing 4,0$	$\varnothing 4,8$
d_k	15	16
d_m	2.15	3
L_1	34	34
K	1.5	2.5



RAL

INOX

$L \backslash d$	$\varnothing 4,0$	$\varnothing 4,8$
10		○
12		○
14		○
16		○
18	○	○
20		○
26		○
30		○
35		○

Dostupne mogućnosti izvedbi zakovica:

DTS 564 - zakovica

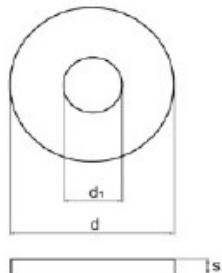
DTS 564 G - zakovica sa Epdm podloškom

DTS 564 NTD - zakovica sa centrirajućim odstojnikom

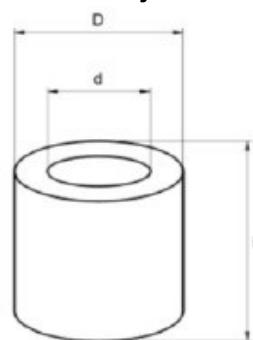
DTS 564 NTG - zakovica sa centrirajućim odstojnikom i Epdm podloškom



G - Epdm podloška (12 x 4.4 x 1.2)



NTD - centrirajući odstojnik



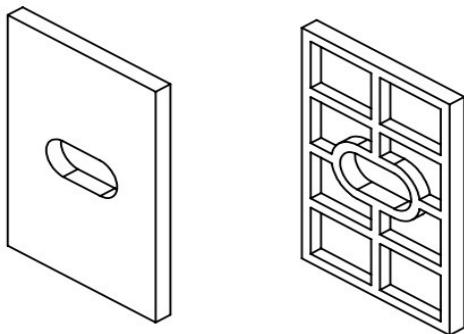
\varnothing zak.	$\varnothing 4,0$	$\varnothing 4,8$
d	4.1	4.9
D	9.4	9.4
L	8	8

DTS 568

Thermostop podloška

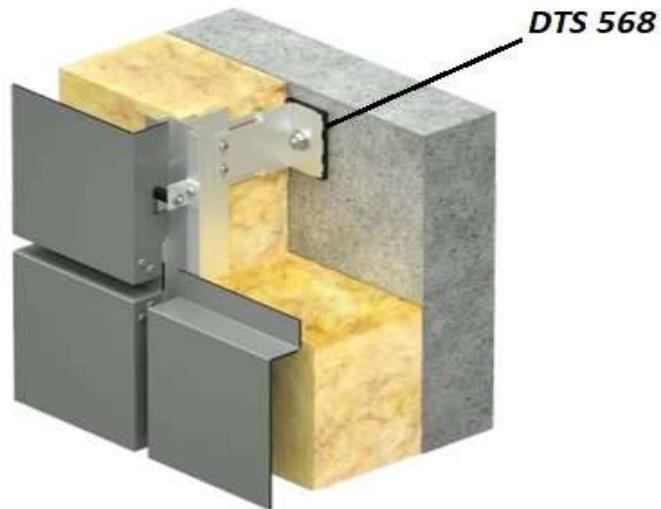
- za ventilirane aluminijске fasade

POLIAMID



b	l	h
50	75	5

Ostale dimenzije na upit.

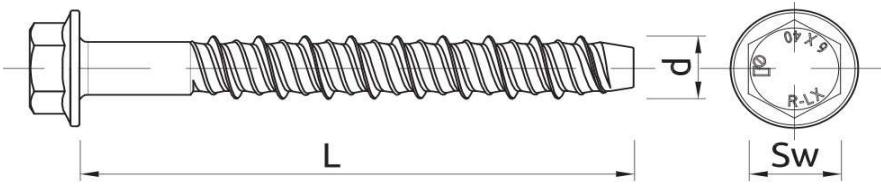


DTS 569

Samourezni vijak za beton sa šesterokutnom glavom

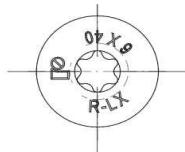
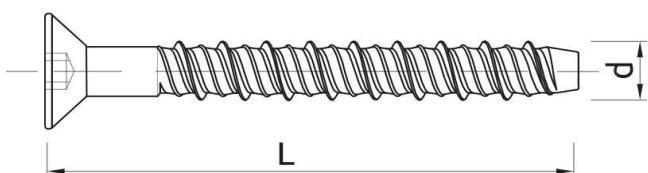
ZN

INOX - A4

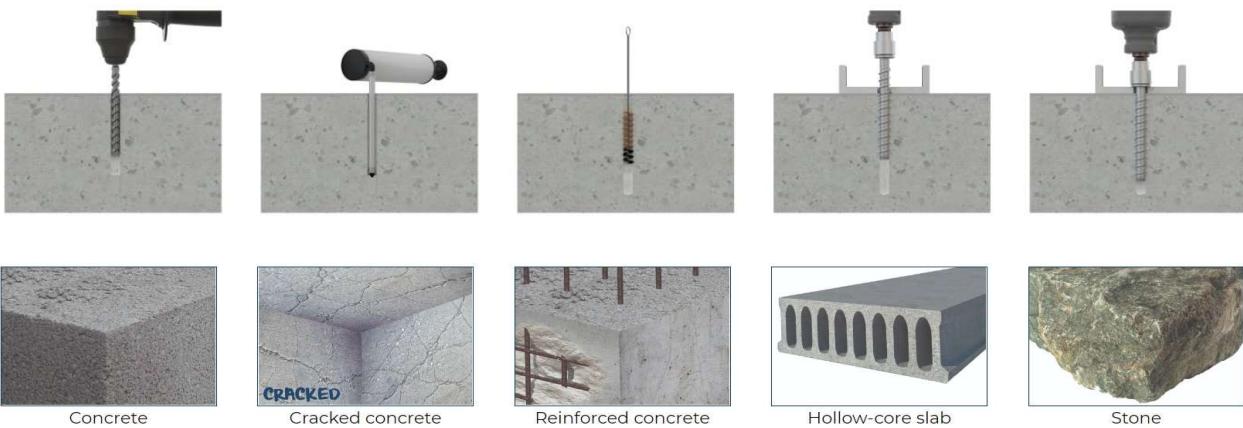


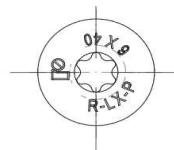
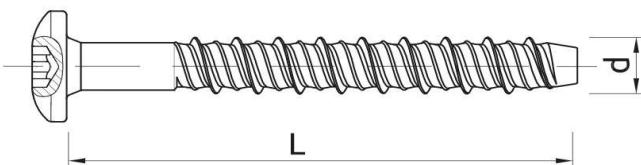
$L \backslash d$	$\emptyset 6.6$	$\emptyset 7.8$	$\emptyset 8$	$\emptyset 10$	$\emptyset 12$	$\emptyset 16$
40						
45	o	o				
50		o				
60	o	o		o		
70					o	
80	o	o	o	o		
90					o	
100	o	o	o	o		
110					o	
120	o	o	o	o		
130					o	o
140	o	o	o	o		
150					o	o
160			o			
180					o	
190				o		
210				o		
230				o		
250				o		
290				o		
310				o		





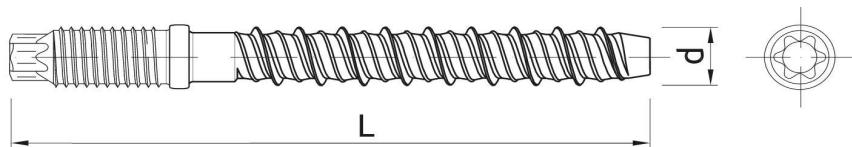
$L \backslash d$	$\varnothing 6.6$	$\varnothing 8$	$\varnothing 10$	$\varnothing 12$
60	o			
70		o		
80	o	o	o	
100	o	o	o	o
120	o	o	o	o
140		o		
160			o	
180				o





$L \backslash d$	$\varnothing 7.8$	$\varnothing 10$
60	○	○
80	○	○
100	○	○
120	○	○

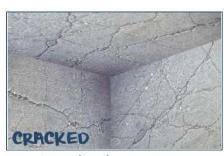




$L \backslash d$	$\varnothing 8$	$\varnothing 10$	$\varnothing 12$
90	o		
105		o	
118			o
120	o		
125		o	
138			o
160	o		
195		o	
208			o
248			o



Concrete



Cracked concrete



Reinforced concrete



Hollow-core slab



Stone

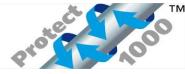
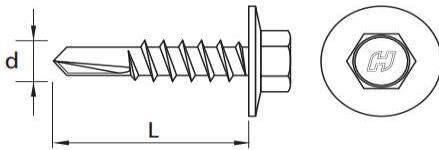
DTS 573 G

Samobušeni fasadni vijak sa velikom glavom

PROTECT 1000™

- Za spajanje fasadnih nosača na metalnu konstrukciju

- Debljina bušenja lima 2 - 6 mm



PROTECT 1000™

L	D	$\varnothing 5,5$
25		○

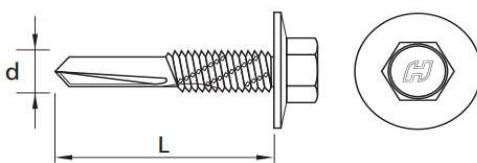
DTS 573 F

Samobušeni fasadni vijak sa velikom glavom

PROTECT 1000™

- Za spajanje fasadnih nosača na čeličnu P4498 konstrukciju

- Debljina bušenja čeličnih profila 4 - 12 mm



PROTECT 1000™

L	D	$\varnothing 5,5$
38		○

SOLARNI SISTEMI MONTAŽE

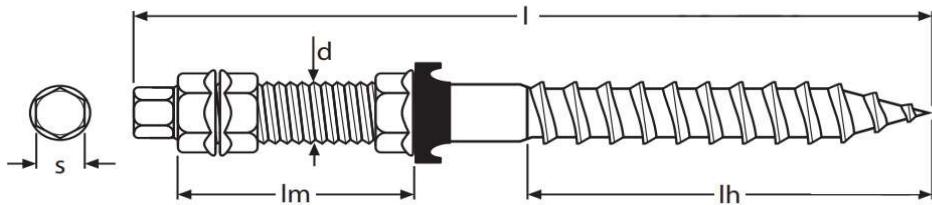


DTS 600

Vijak za solarne sisteme komplet sa osiguravajućom maticom i epdm brtvom

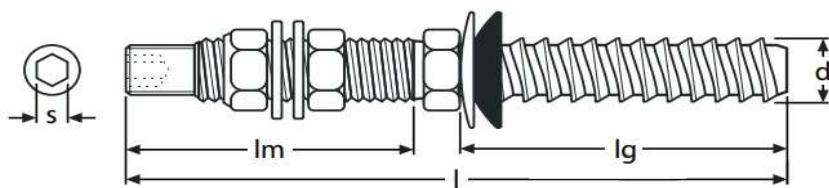
A2

- za podkonstrukciju od drva

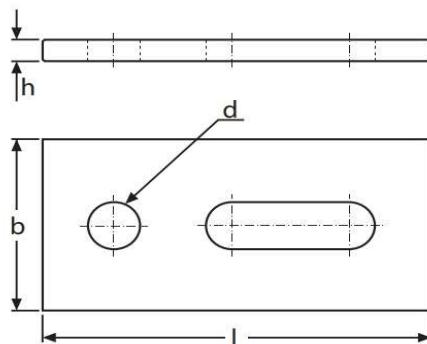
**INOX**

d	l
Ø10	160
Ø10	180
Ø10	200
Ø10	250
Ø10	300
Ø12	200
Ø12	250
Ø12	300
Ø12	350
Ø12	400

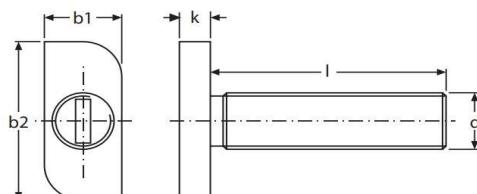
600-1 (navoj)		600-2 (navoj)		
<i>l_m</i>	<i>l_h</i>	<i>l_m</i>	<i>l_h</i>	s
70	67	-	-	7
85	67	100	60	7
85	67	110	70	7
85	67	130-145	80	7
150	67	140-165	100	7
100	80	110	70	9
100	100	130	100	9
150	100	140	100	9
195	100	180	130	9
220	100	-	-	9

DTS 601*Vijak za solarne sisteme komplet sa osiguravajućom maticom i epdm brtvom***A2***- za podkonstrukciju od metala***INOX**

d	l	lm	lg	s
M 8	136	80	50	5
M 8	156	80	70	5
M 8	156	100	50	5
M 8	176	100	70	5
M 8	181	125	50	5
M 8	201	125	70	5
M 8	206	150	50	5
M 8	216	160	50	5
M 8	226	150	70	5
M 8	236	160	70	5
M 8	256	200	50	5
M 8	276	200	70	5

**INOX**

d	t	b	h
9	82	40	5
11	80	30	5
11	82	30	5
11	82	40	5
11	110	40	5
13	82	40	5
13	110	40	5


INOX

k	4,0	4,5	6,0
b_1	10	10	10
b_2	22,5	22,5	22,5

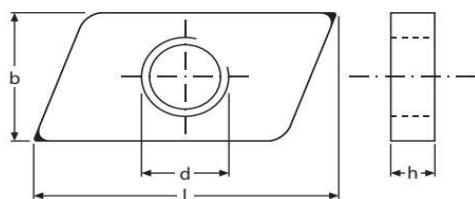
d	M 8	M 10	M 12
16	○	○	○
20	○	○	○
25	○	○	○
30	○	○	○
35	○	○	○
40	○	○	○
45	○	○	○
50	○	○	○
55	○	○	○
60	○	○	○
65	○	○	○
70	○	○	○
75	○	○	○
80	○	○	○
100	○	○	○
125	○	○	○
150	○	○	○
200	○	○	○

DTS 604

Profilna trapezna matica

A2

- tip 28/15



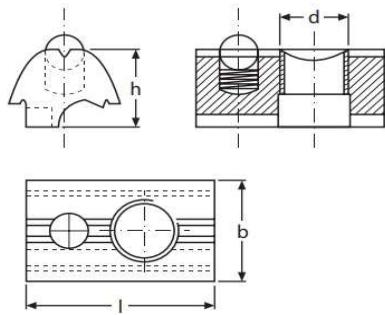
INOX

d	l	b	h
M 8	27	13	4
M 10	27	13	4

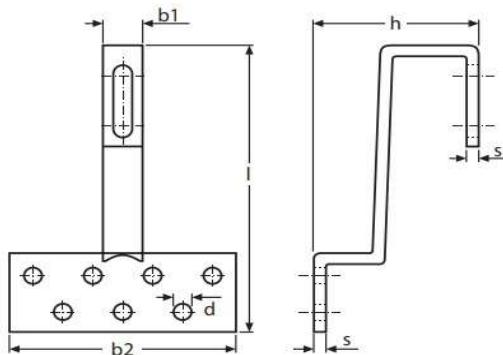
DTS 605

Profilna matica sa kuglastim osiguranjem

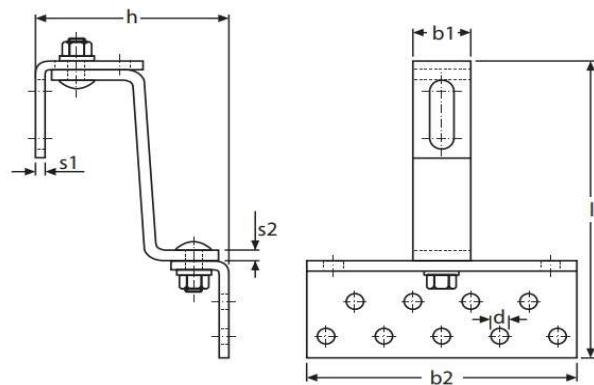
AL



d	l	b	h
M 8	22	13	10

**INOX**

d	baza	b₁	b₂	l	h	s
9	150x50	30	150	160	125	5
9	150x60	30	150	166	130	5
9	180x70	35	180	190	128	8

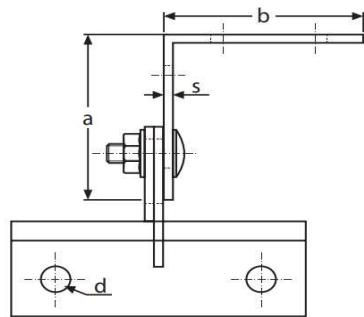
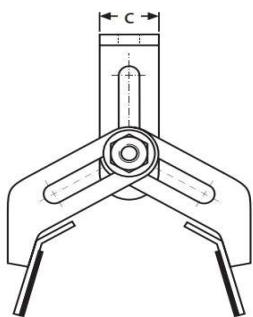
**INOX**

d	baza	b₁	b₂	l	h	s₁	s₂
9	140x56	30	140	176	145	5	5
9	140x56	30	140	171	145	5	6

DTS 608

Nosač solara podešavajući trapezni

A2



INOX

a	b	c	s	d
56	65	30	5	7

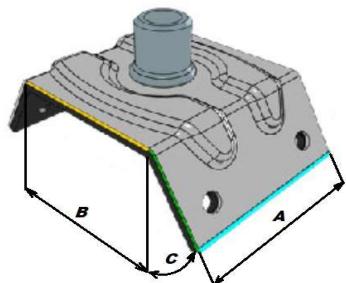
DTS 609

Solar kalote sa upresnom INOX maticom M 8 ili M 10

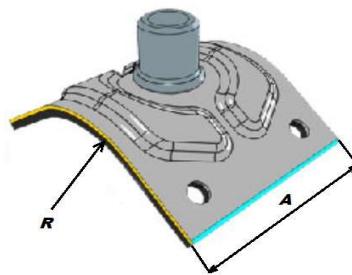
AL / A2

- za montažu solarnih sistema na krovovima

* vijak za spajanje kalota na lim ili panel DTS 500 S



DTS 609



DTS 609 S

NAZIVNA	A	B	C	
18-76	49	18	76 °	○
21-16	49	21	16 °	○
25-27	49	25	27 °	○
26-15	49	26	15 °	○
26-50	49	26	50 °	○
32-35	49	32	35 °	○
34-23	49	34	23 °	○
36-40	49	36	40 °	○
41-17	49	41	17 °	○
41-32	49	41	32 °	○
45-17	49	45	17 °	○
54-32	49	54	32 °	○
177-55	49	177	55 °	○

NAZIVNA	A	R (mm)	
R 24	49	24	○
R 33	49	33	○
R 48	49	48	○



* Mogućnost isporuke bez upresnih matica odnosno samo sa rupom fi 8.5 ili fi 13 mm.



DIN 338 HSS Cobalt 5% svrdlo za metal

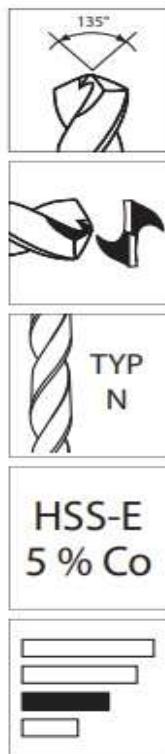


L1= ukupna dužina svrdla (mm)
L2= radna dužina svrdla (mm)

<i>d</i>	vpc
1.0	○
1.5	○
2.0	○
2.5	○
3.0	○
3.1	○
3.2	○
3.3	○
3.5	○
4.0	○
4.1	○
4.2	○
4.5	○
4.8	○
4.9	○
5.0	○
5.1	○
5.2	○
5.5	○
6.0	○
6.5	○
7.0	○
7.5	○
8.0	○
8.5	○
9.0	○
9.5	○
10.0	○
10.5	○
11.0	○
11.5	○
12.0	○
12.5	○
13.0	○

<i>L</i> ₁	<i>L</i> ₂
34	12
40	18
49	24
57	30
61	33
65	36
65	36
65	36
70	39
75	43
75	43
75	43
80	47
80	47
80	47
86	52
86	52
86	52
93	57
93	57
101	63
109	69
109	69
117	75
117	75
125	81
125	81
133	87
133	87
142	94
142	94
151	101
151	101
151	101

DIN 338



Multi svrdlo

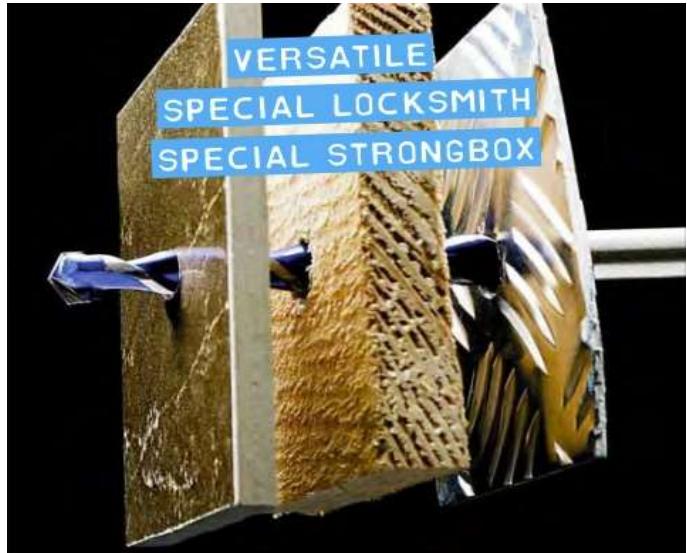


L1= ukupna dužina svrdla (mm)

L2= radna dužina svrdla (mm)

<i>d</i>	vpc
3.0	○
4.0	○
5.0	○
5.5	○
6.0	○
6.5	○
8.0	○
10.0	○
12.0	○

<i>L</i> ₁	<i>L</i> ₂
75	40
80	45
90	50
95	55
100	60
100	60
120	70
120	70
160	105



Strijela svrdlo



L1= ukupna dužina svrdla (mm)

<i>d</i>	vpc
3.0	○
4.0	○
5.0	○
6.0	○
8.0	○
10.0	○
12.0	○

<i>L</i> ₁
80
80
80
80
100
100
100

LENGTH

- Total length improved
- Shiny / copper finishing

Benefits

- Allows drilling into deep materials
- Suitable for more applications
- New Diager design

FAST SPIRAL

- Tightened pitch

Benefits

- Speed up dust removal
- Better in deep materials

CARBIDE TIP

- High hardness carbide tip (made in Europe)
- New 4 faces carbide design
- Copper brazing

Benefits

- Accurate drilling precision
- Better penetration results
- Drilling through tiles up to class 3
- Dry and wet applications
- Better resistance to friction



SDS-3 PLUS SVRDLO ZA BETON

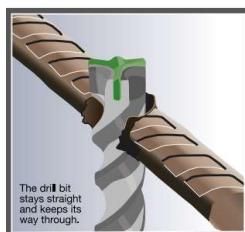
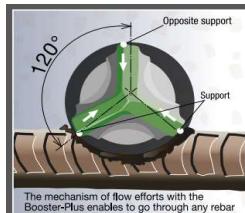


L1= ukupna dužina svrdla (mm)

L2= radna dužina svrdla (mm)

<i>d</i>	vpc
5	○
5	○
5	○
5	○
5	○
6	○
6	○
6	○
6	○
6.5	○
6.5	○
8	○
8	○
8	○
8	○
10	○
10	○
10	○
10	○
10	○
12	○
12	○
12	○
12	○
12	○
14	○
14	○
16	○
16	○
16	○
16	○
16	○

<i>L</i> ₁	<i>L</i> ₂
110	60
160	100
260	200
310	250
360	300
110	60
160	100
210	150
260	200
310	250
260	200
310	250
160	100
210	150
260	200
310	250
460	410
610	560
160	100
210	150
260	200
310	250
460	410
260	200
310	240
210	150
260	200
310	250
460	410
610	560



RESISTANCE TO OVERHEATING

The solid monobloc carbide tip, is inserted and brazed with copper, resistant to over 1000°C temperature raise

HAMMERING EFFECT

3X 135° edges, combine the most efficient drilling without cracking the concrete around

PRECISION

The self centering tip design, drives the bit straight

TRAJECTORY CONTROL

Answers to all world technical standards agreements

PERFECT HOLE, PERFECT ANCHORING

booster plus VS competitive drill bit

BETTER DUST REMOVAL CAPACITIES

booster plus VS competitive drill bit

Its design offers the largest dust removal on its market

SPECIAL REINFORCED CONCRETE

SDS-6 MAX SVRDLO ZA BETON



Reinforced Concrete



L1= ukupna dužina svrdla (mm)

L2= radna dužina svrdla (mm)

<i>d</i>	<i>vpc</i>
16	o
18	o
18	o
20	o
22	o
24	o
24	o
25	o
28	o
30	o
32	o
35	o

L₁	L₂
340	200
540	400
690	550
920	780
340	200
540	400
340	200
540	400
690	550
920	780
1500	1360
340	200
540	400
920	780
1300	1160
340	200
540	400
340	200
540	400
920	780
1500	1360
340	200
540	400
690	550
1500	1360
340	200
540	400
690	550
920	780
340	200
540	400
920	780
1500	1360
	200



NEW SDS-MAX DRILL BIT

ULTIMAX 646

100% CARBIDE HEAD - 10 CUTTERS

new

**DRILLS THROUGH
OVERSIZED REBAR***



* Hand tests with 20 joules hammer drill

+ 1000 HOLES*



* Tests on an automatic bench, 8.8 joules hammer drill, C50/60

HIGH SPEED DRILLING*



*Tests on an automatic bench, C50/60 concrete, average on the 300 first holes.

**IDEAL FOR POWERFUL
HAMMER DRILL**



20
JOULES
>12 KG

d	vpc	L₁	L₂
35	○	540	400
35	○	690	550
35	○	920	1160
38	○	340	200
38	○	540	400
40	○	340	200
40	○	540	400
40	○	920	780

Rezna ploča za željezo i inox



DIA (mm)	TxB (mm)
115	1.0 x 22.23
115	1.6 x 22.23
115	2.5 x 22.23
125	1.0 x 22.23
125	1.6 x 22.23
125	2.5 x 22.23
180	1.6 x 22.23
180	2.5 x 22.23
230	1.9 x 22.23
230	2.5 x 22.23

Brusna ploča za željezo i inox



DIA (mm)	TxB (mm)
115	6.4 x 22.23
125	6.4 x 22.23
180	6.4 x 22.23
230	6.4 x 22.23

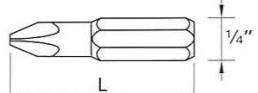
Lamelna ploča za željezo i inox



DIA (mm)	GRADACIJA
115	40
115	60
115	80
115	120

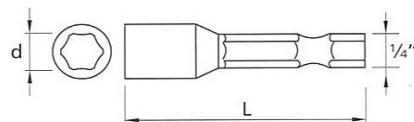
Ostale dimenzije na upit.

Bit nastavci i magnetni držači



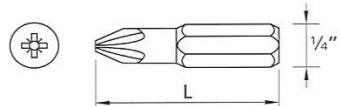
NASTAVAK 1/4" - PH

$L \backslash D$	PH 1	PH 2	PH 3
25	○	○	○
50	○	○	○
150		○	
200	○		
250	○		
300	○		
350	○		



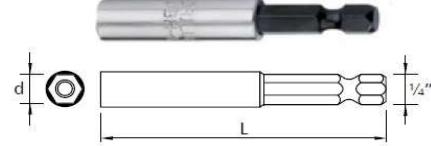
MAGNETNI DRŽAČ 1/4" - SW

$L \backslash D$	8	10
45	○	○
50	○	○
150	○	
200	○	



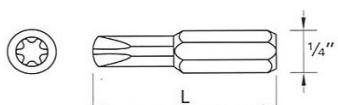
NASTAVAK 1/4" - PZ

$L \backslash D$	PZ 1	PZ 2	PZ 3
25	○	○	○
50	○	○	○



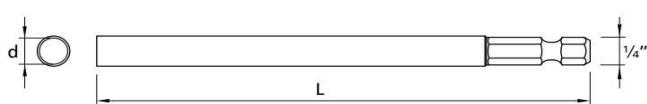
MAGNETNI DRŽAČ 1/4"

$L \backslash D$	1/4"
50	○

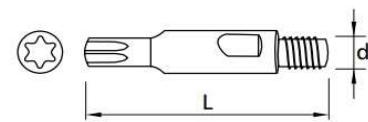


NASTAVAK 1/4" - TX

$L \backslash D$	T10	T20	T25	T30	T40
25	○	○	○	○	○
50			○	○	○
150			○		
200			○		
250			○		



$L \backslash D$	1/4"
75	○



NASTAVAK M 6

$L \backslash D$	PH2	T25	T30
33	○		
45	○	○	○

DRŽAČ NASTAVKA PRIHVAT 1/4" x 500 mm M6

Bit nastavci komplet



BNK - 29 Magnetni držač 1/4"

Ravni: 3, 4, 5, 6, 7

Torx: T10, T15, T20, T25, T27, T30

Philips: Ph0, Ph1, Ph2, Ph3

Pozidriv: Pz0, Pz1, Pz2, Pz3

Kvadrat: 0, 1, 2, 3

Hex: 2, 3, 4, 5, 6

NATURAL - THOR

Prirodna koža

EN388:2016

EN420:2013+A1:2009

Veličina: 9, 10, 11



NATURAL - WOLF

Prirodna koža

EN388:2016

EN420:2013+A1:2009

Veličina: 9, 10, 11



NATURAL - HERKULES

Prirodna koža

EN388:2016

EN420:2013+A1:2009

Veličina: 9, 10, 11



NATURAL - GREMLIN

Prirodna koža / pamuk

EN388:2016

EN420:2013+A1:2009

Veličina: 8, 9, 10, 11



PREMIUM - DELTA

Mechanic
EN388:2016
Veličine: 9, 10



PREMIUM - TYTAN

Anti cut, level 5
EN388:2016
Veličine: 9, 10



PREMIUM - ZEFIR

Super comfort & precision
EN388:2016
Veličine: 6, 7, 8, 9, 10



NEPTUN

Vodootporne
EN388:2016
Veličine: 8, 9, 10



NEPTUN

WINTER - YETI

EN388:2016

Veličine: 9, 10, 11



WINTER - MAMUT

Double layer

EN388:2016

Veličine: 8, 9, 10

**DOUBLE
LAYER
WINTER
GLOVES**
MAMUT



ELF

EN388:2016

Veličine: 7, 8, 9, 10, 11



VIRGO

Rukavice za zavarivanje

Goveda koža

EN388:2016

EN407

Veličine: 10, 11



Zaštitne naočale

STANDARD - N-OKU01

UV otporne, prozirne



STANDARD PLUS - N-OKU02

UV otporne, prozirne



INDUSTRY - N-OKU03

UV otporne na ogrebotine, prozirne



INDUSTRY - N-OKU03-1

UV otporne na ogrebotine, tamne



Zaštitne naočale

INDUSTRY - N-OKU03-2

UV otporne na ogrebotine, žute



N-OKU04

UV otporne na ogrebotine sa
regulacijom, prozirne



INDUSTRY - N-OKU5-1

UV otporne na ogrebotine,
kameleon



INDUSTRY - N-OKU5-2

UV otporne na ogrebotine,
srebrne



Zaštitne naočale

INDUSTRY - N-OKU6

UV otporne na ogrebotine
neklijajuće, kameleon



UV PROTECTION
& ANTISCRAATCH

N-OKU6

INDUSTRY - N-OKU7

UV otporne na ogrebotine 2u1
prozirne



UV PROTECTION
& ANTISCRAATCH

N-OKU7

2u1

N-SLU01

29.8 dB

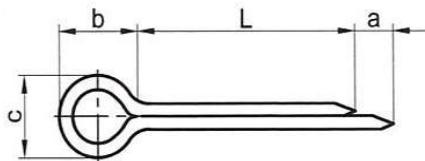
EN352-1



DIN 94

ISO 1234

UNI 1336



d	$\varnothing 1,6$	$\varnothing 2$	$\varnothing 2,5$	$\varnothing 3,2$	$\varnothing 4$	$\varnothing 5$	$\varnothing 6,3$	$\varnothing 8$	$\varnothing 10$	$\varnothing 13$
b	3.2	4	5	6.4	8	10	12.6	16	20	26
a	1.25	1.25	1.25	1.6	2	2	2	2	3.2	3.2
c	2.8	3.6	4.6	5.8	7.4	9.2	11.8	15	19	24.8

$L \backslash D$	$\varnothing 1,6$	$\varnothing 2$	$\varnothing 2,5$	$\varnothing 3,2$	$\varnothing 4$	$\varnothing 5$	$\varnothing 6,3$	$\varnothing 8$	$\varnothing 10$	$\varnothing 13$
10	o									
12	o									
14	o	o	o							
16	o	o	o							
18	o	o	o	o						
20	o	o	o	o	o	o				
22	o	o	o	o	o	o				
25	o	o	o	o	o	o				
32	o	o	o	o	o	o	o			
36		o	o	o	o	o	o	o		
40		o	o	o	o	o	o	o		
50			o	o	o	o	o	o		
56				o	o	o	o	o		
63				o	o	o	o	o		
71					o	o	o	o		
80						o	o	o		
90						o	o	o		
100							o	o		
112								o		
125								o		
140								o		

HRN M.B2.011

DIN 125

ISO 7089

UNI 6592

Podložna pločica

Scheiben

Flat washers

Rondelle piene

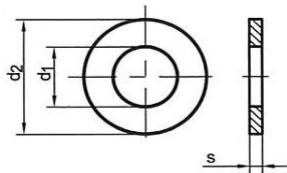
FE

ZN

VZN

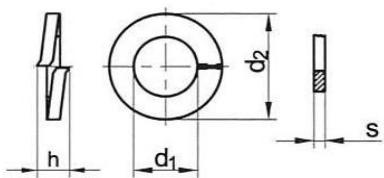
A2

A4



M	ZN
3	○
4	○
5	○
6	○
8	○
10	○
12	○
14	○
16	○
18	○
20	○
22	○
24	○
27	○
30	○
33	○
36	○

d_1	d_2	s
3.2	7.0	0.5
4.3	9.0	0.8
5.3	10.0	1.0
6.4	12.5	1.6
8.4	16.0	1.6
10.5	20.0	2.0
13.0	24.0	2.5
15.0	28.0	2.5
17.0	30.0	3.0
19.0	34.0	3.0
21.0	37.0	3.0
23.0	39.0	3.0
25.0	44.0	4.0
28.0	50.0	4.0
31.0	56.0	4.0
34.0	60.0	5.0
37.0	66.0	5.0

HRN M.B2.110*Opružna podložna pločica***FE****DIN 127***Federring glatt***ZN****ISO 4042***Spring washers***VZN****UNI 1751***Rondelle***A2****A4**

M	ZN
3	○
4	○
5	○
6	○
8	○
10	○
12	○
14	○
16	○
18	○
20	○
22	○
24	○
27	○
30	○
33	○
36	○

d₁	d₂	s	h
3.1	6.2	0.8	1.6
4.1	7.6	0.9	1.8
5.1	9.2	1.2	2.4
6.1	11.8	1.6	3.2
8.1	14.8	2.0	4.0
10.2	18.1	2.2	4.4
12.2	21.1	2.5	5.0
14.2	24.1	3.0	6.0
16.2	27.4	3.5	7.0
18.2	29.4	3.5	7.0
20.2	33.6	4.0	8.0
22.5	35.9	4.0	8.0
24.5	40.0	5.0	10.0
27.5	43.0	5.0	10.0
30.5	48.2	6.0	12.0
33.5	53.2	6.0	12.0
36.5	58.2	6.0	12.0

HRN M.B2.136

Valovita podložna pločica

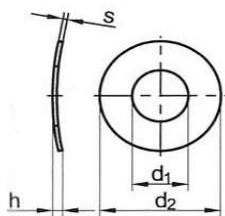
FE

DIN 137

ZN

ISO

UNI 8840



M	ZN
3	○
4	○
5	○
6	○
8	○
10	○

d_1	d_2	s	h
3.2	6.0	0.4	1.3
4.3	8.0	0.5	1.6
5.3	10.0	0.5	1.8
6.4	11.0	0.5	2.2
8.4	15.0	0.5	3.4
10.5	18.0	0.8	4.0

HRN M.B1.680

Krilna matica

ZN

DIN 315

Flugelmuttern

A2

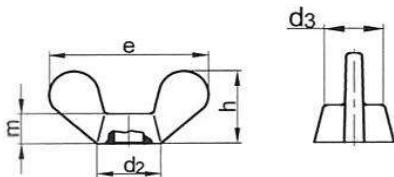
ISO 5448

Wing nuts

A4

UNI 5448

Dadi ad alette



" LJEVANA "

M	ZN
4	○
5	○
6	○
8	○
10	○
12	○

e	h	m	d₂	d₃
20.0	10.5	4.6	8.0	7.0
26.0	13.0	6.5	11.0	9.0
33.0	17.0	8.0	13.0	11.0
39.0	20.0	10.0	16.0	12.5
51.0	25.0	12.0	20.0	16.5
65.0	33.5	14.0	23.0	19.5

" AMERIČKI OBLIK "

M	ZN
4	○
5	○
6	○
8	○
10	○
12	○

e	h	m	d₂
18.5	8.8	3.0	7.8
22.0	10.5	4.0	9.5
26.8	12.9	4.9	11.9
30.3	14.8	5.4	13.5
35.3	17.3	6.3	15.3
47.5	22.5	7.9	20.5

HRN M.B2.013

DIN 433

ISO 7092

UNI 6592

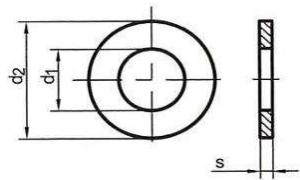
Podložna pločica

Scheiben

Flat washers

Rosette piane

ZN



M	ZN
3	○
4	○
5	○
6	○
8	○
10	○
12	○
14	○
16	○
18	○
20	○

d_1	d_2	s
3.2	6.0	0.5
4.3	8.0	0.5
5.3	9.0	1.0
6.4	11.0	1.6
8.4	15.0	1.6
10.5	18.0	1.6
13.0	20.0	2.0
15.0	24.0	2.5
17.0	28.0	2.5
19.0	30.0	2.5
21.0	34.0	3.0

HRN M.B1.604

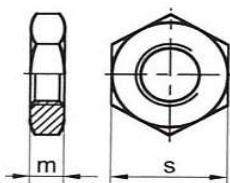
Šesterokutna niska matica

ZN

DIN 439

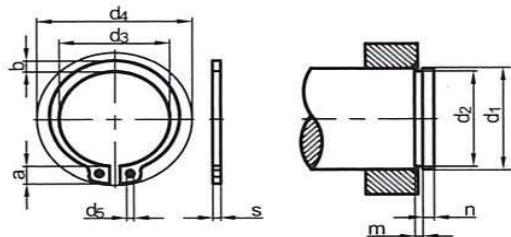
ISO 4035

UNI 5590

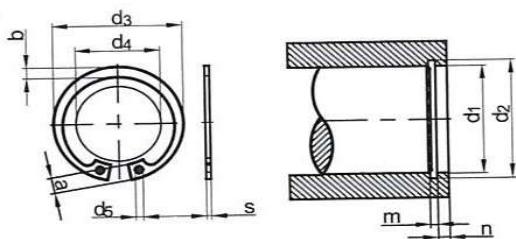


M	ZN
3	○
4	○
5	○
6	○
8	○
10	○
12	○
14	○
16	○
18	○
20	○
22	○
24	○
27	○
30	○

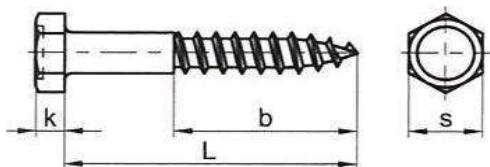
m	s
1.8	5.5
2.2	7
2.7	8
3.2	10
4/5	13
5/6	16/17
6/7	18/19
7/8	21/22
8	24
9	27
10/9	30
11/10	34/32
12/10	36
13,5/12	41
15/12	46



d_1	s	d_3	a	b	d_5	d_2	m	n	d_4
3	0.4	2.7	1.9	0.8	1.0	2.8	0.5	0.3	7.0
4	0.4	3.7	2.2	0.9	1.0	3.8	0.5	0.3	8.6
5	0.6	4.7	2.5	1.1	1.0	4.8	0.7	0.3	10.3
6	0.7	5.6	2.7	1.3	1.2	5.7	0.8	0.5	11.7
7	0.8	6.5	3.1	1.4	1.2	6.7	0.9	0.5	13.5
8	0.8	7.4	3.2	1.5	1.2	7.6	0.9	0.6	14.7
9	1.0	8.4	3.3	1.7	1.2	8.6	1.1	0.6	16.0
10	1.0	9.3	3.3	1.8	1.5	9.6	1.1	0.6	17.0
11	1.0	10.2	3.3	1.8	1.5	10.5	1.1	0.8	18.0
12	1.0	11.0	3.3	1.8	1.7	11.5	1.1	0.8	19.0
13	1.0	11.9	3.4	2.0	1.7	12.4	1.1	0.9	20.2
14	1.0	12.9	3.5	2.1	1.7	13.4	1.1	0.9	21.4
15	1.0	13.8	3.6	2.2	1.7	14.3	1.1	1.1	22.6
16	1.0	14.7	3.7	2.2	1.7	15.2	1.1	1.2	23.8
17	1.0	15.7	3.8	2.3	1.7	16.2	1.1	1.2	25.0
18	1.2	16.5	3.9	2.4	2.0	17.0	1.3	1.5	26.2
19	1.2	17.5	3.9	2.5	2.0	18.0	1.3	1.5	27.2
20	1.2	18.5	4.0	2.6	2.0	19.0	1.3	1.5	28.4
21	1.2	19.5	4.1	2.7	2.0	20.0	1.3	1.5	29.6
22	1.2	20.5	4.2	2.8	2.0	21.0	1.3	1.5	30.8
24	1.2	22.2	4.4	3.0	3.0	22.9	1.3	1.7	33.2
25	1.2	23.2	4.4	3.0	3.0	23.9	1.3	1.7	34.2
26	1.2	24.2	4.5	3.1	3.1	24.9	1.3	1.7	35.5
28	1.5	25.9	4.7	3.2	3.2	26.6	1.6	2.1	37.9
29	1.5	26.9	4.8	3.4	3.4	27.6	1.6	2.1	39.1
30	1.5	27.9	5.0	3.5	3.5	28.6	1.6	2.1	40.5
32	1.5	29.6	5.2	3.6	3.6	30.3	1.6	2.6	43.0
34	1.5	31.5	5.4	3.8	3.8	32.3	1.6	2.6	45.4
35	1.5	32.2	5.6	3.9	3.9	33.0	1.6	2.6	46.8
36	1.75	33.2	5.6	4.0	4.0	34.0	1.6	3.0	47.8



d_1	s	d_3	a	b	d_5	d_2	m	n	d_4
8	0.8	8.7	2.4	1.1	1.0	8.4	0.9	0.6	3.0
9	0.8	9.8	2.5	1.3	1.0	9.4	0.9	0.6	3.7
10	1.0	10.8	3.2	1.4	1.2	10.4	1.1	0.6	3.3
11	1.0	11.8	3.3	1.5	1.2	11.4	1.1	0.6	4.1
12	1.0	13.0	3.4	1.7	1.5	12.5	1.1	0.6	4.9
13	11.0	14.1	3.6	1.8	1.5	13.6	1.1	0.9	5.4
14	1.0	15.1	3.7	1.9	1.7	14.6	1.1	0.9	6.2
16	1.0	16.2	3.8	2.0	1.7	16.8	1.1	1.2	8.0
17	1.0	17.3	3.9	2.1	1.7	17.8	1.1	1.2	8.8
18	1.0	18.3	4.1	2.2	2.0	19.0	1.1	1.5	9.4
19	1.0	19.5	4.1	2.2	2.0	20.0	1.1	1.5	10.4
20	1.0	20.5	4.2	2.3	2.0	21.0	1.1	1.5	11.2
21	1.0	21.5	4.2	2.4	2.0	22.0	1.1	1.5	12.2
22	1.0	23.5	4.2	2.5	2.0	23.0	1.1	1.5	13.2
23	1.2	24.6	4.2	2.5	2.0	24.1	1.3	1.7	-
24	1.2	25.9	4.4	2.6	2.0	25.2	1.3	1.8	14.8
25	1.2	26.9	4.5	2.7	2.0	26.2	1.3	1.8	15.5
26	1.2	27.9	4.7	2.8	2.0	27.2	1.3	1.8	16.1
28	1.2	30.1	4.8	2.9	2.0	29.4	1.3	2.1	17.9
30	1.2	32.1	4.8	3.0	2.0	31.4	1.3	2.1	19.9
31	1.2	33.4	5.2	3.2	2.5	32.7	1.3	2.6	20.0
32	1.2	34.4	5.4	3.2	2.5	33.7	1.3	2.6	20.6
34	1.5	36.5	5.4	3.3	2.5	35.7	1.6	2.6	22.6
35	1.5	37.8	5.4	3.4	2.5	37.0	1.6	3.0	23.6
36	1.5	38.8	5.4	3.5	2.5	38.0	1.6	3.0	24.6
37	1.5	39.8	5.4	3.6	2.5	39.0	1.6	3.0	25.4
38	1.5	40.8	5.5	3.7	2.5	40.0	1.6	3.0	26.4
40	1.75	43.5	5.8	3.9	2.5	42.5	1.85	3.8	27.8
42	1.75	45.5	5.9	4.1	2.5	44.5	1.85	3.8	29.6
45	1.75	47.5	6.2	4.3	2.5	47.5	1.85	3.8	32.0

HRN M.B1.500*Vijak za drvo sa šesterobridnom glavom***ZN****DIN 571***Sechskant Holzschrauben***A2****ISO 8735***Hexagon head wood screws***A4****UNI 704***Viti per legno a testa esagonale*

d	Ø5	Ø6	Ø8	Ø10	Ø12
b	≥0.6 L	≥0.6 L	≥0.6 L	≥0.6 L	≥0.6 L
k	3.5	4	5.5	7	8
s	8	10	13	17	19

L \ D	Ø5	Ø6	Ø8	Ø10	Ø12
20	○	○			
25	○	○			
30	○	○	○	○	
35	○	○	○	○	
40	○	○	○	○	○
45	○	○	○	○	○
50	○	○	○	○	○
55	○	○	○	○	○
60	○	○	○	○	○
65		○	○	○	○
70		○	○	○	○
80		○	○	○	○
90		○	○	○	○
100		○	○	○	○
110		○	○	○	○
120		○	○	○	○
130		○	○	○	○
140		○	○	○	○
150			○	○	○
160			○	○	○
180			○	○	○
200			○	○	○

HRN M.B1.171

DIN 603

ISO 8677

UNI 5732

Torban vijak

Flachrundschrauben mit Vierkantsatz

Round head square neck bolts

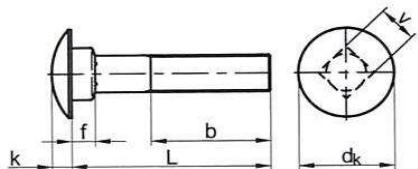
Bulloni a testa tonda

FE

ZN

A2

A4

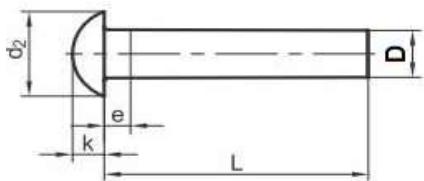


d	M 5	M 6	M 8	M 10	M 12
dk	13.5	16.55	20.65	24.65	30.65
k	3.3	3.88	4.88	5.38	6.95
f	4.1	4.6	5.6	6.6	8.75
v	5.48	6.48	8.58	10.58	12.7
b_{min}	16	18	22	26	30

L \ D	M 5	M 6	M 8	M 10	M 12
16	o	o	o		
20	o	o	o	o	
25	o	o	o	o	o
30	o	o	o	o	o
35	o	o	o	o	o
40	o	o	o	o	o
45	o	o	o	o	o
50	o	o	o	o	o
55	o	o	o	o	o
60	o	o	o	o	o
65	o	o	o	o	o
70	o	o	o	o	o
75	o	o	o	o	o
80	o	o	o	o	o
90		o	o	o	o
100		o	o	o	o
110		o	o	o	o
120		o	o	o	o
130			o	o	
140			o	o	
150			o	o	
160			o	o	
180				o	
200				o	

HRN M.B3.011

Zakovica sa poluokruglom glavom

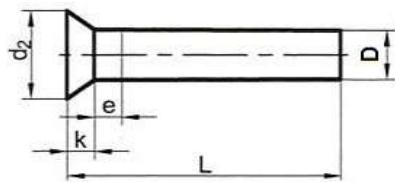
DIN 660**FE****ISO 1051****AL****UNI 748****CU**

d	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
d₂	3.5	5.2	7	8.8	10.5	12.2	14
k	1.2	1.8	2.4	3	3.6	4.2	4.8
e	1	1.5	2	2.5	3	3.5	4

L \ D	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
4	○						
5	○	○					
6	○	○	○	○			
8	○	○	○	○			
10	○	○	○	○	○		
12		○	○	○	○		
16		○	○	○	○	○	○
18		○	○	○	○	○	○
20		○	○	○	○	○	○
22		○	○	○	○	○	○
25		○	○	○	○	○	○
30		○	○	○	○	○	○
32			○	○	○	○	○
35			○	○	○	○	○
40			○	○	○	○	○
45			○	○	○	○	○
50			○	○	○	○	○
55				○	○	○	○
60				○	○	○	○
65				○	○	○	○
70				○	○	○	○
75				○	○	○	○
80				○	○	○	○

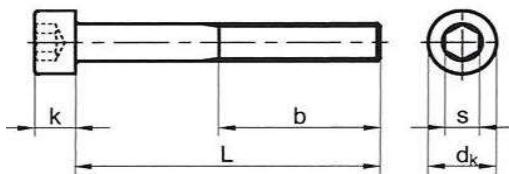
HRN M.B3.012

Zakovica sa upuštenom glavom

FE**DIN 661****AL****ISO 1051****CU****UNI**

d	$\varnothing 2$	$\varnothing 3$	$\varnothing 4$	$\varnothing 5$	$\varnothing 6$	$\varnothing 7$	$\varnothing 8$
d_2	3.5	5.2	7	8.8	10.5	12.2	14
k	1	1.4	2	2.5	3	3.5	4
e	1	1.5	2	2.5	3	3.5	4

$L \backslash D$	$\varnothing 2$	$\varnothing 3$	$\varnothing 4$	$\varnothing 5$	$\varnothing 6$	$\varnothing 7$	$\varnothing 8$
5	o	o					
6	o	o	o	o			
8	o	o	o	o			
10	o	o	o	o	o		
12		o	o	o	o		o
16		o	o	o	o		o
18		o	o	o	o		o
20		o	o	o	o		o
22		o	o	o	o		o
25		o	o	o	o	o	o
30		o	o	o	o	o	o
32			o	o	o	o	o
35			o	o	o	o	o
40			o	o	o	o	o
45				o	o	o	o
50				o	o	o	o
55				o	o	o	o
60				o	o	o	o
65				o	o	o	o
70				o	o	o	o
75				o	o	o	o
80				o	o	o	o

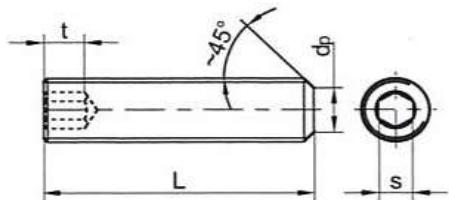
HRN M.B1.120*Imbus vijak***FE****DIN 912***Zylinderschrauben mit Innensechskant***ZN****ISO 4762***Hexagonal Socket Head Caps Screws***A2****UNI 5931***Viti a Testa Cava Con Esagono Incassato***A4**

	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 24
d_k	7	8.5	10	13	16	18	21	24	27	30	36
k	4	5	6	8	10	12	14	16	18	20	24
s	3	4	5	6	8	10	12	14	14	17	19
b	20	22	24	28	32	36	40	44	48	52	60

L \ D	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 24
8	○	○	○								
10	○	○	○	○							
12	○	○	○	○	○						
16	○	○	○	○	○	○	○				
20	○	○	○	○	○	○	○				
25	○	○	○	○	○	○	○	○			
30	○	○	○	○	○	○	○	○	○	○	
35	○	○	○	○	○	○	○	○	○	○	
40	○	○	○	○	○	○	○	○	○	○	○
45	○	○	○	○	○	○	○	○	○	○	○
50	○	○	○	○	○	○	○	○	○	○	○
55	○	○	○	○	○	○	○	○	○	○	○
60	○	○	○	○	○	○	○	○	○	○	○
65		○	○	○	○	○	○	○	○	○	○
70		○	○	○	○	○	○	○	○	○	○
75			○	○	○	○	○	○	○	○	○
80			○	○	○	○	○	○	○	○	○
85			○	○	○	○	○	○	○	○	○
90			○	○	○	○	○	○	○	○	○
95			○	○	○	○	○	○	○	○	○
100			○	○	○	○	○	○	○	○	○
110				○	○	○	○	○	○	○	○
120				○	○	○	○	○	○	○	○
130				○	○	○	○	○	○	○	○
140				○	○	○	○	○	○	○	○

HRN M.B1.270

Uvrtni imbus vijak sa ravnim završetkom

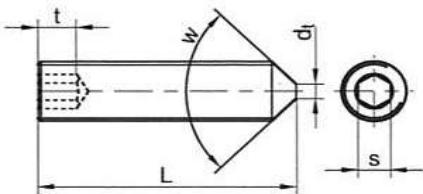
FE**DIN 913 / 45H****ZN****ISO 4026****UNI 5923**

	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
d_o	2	2.5	3.5	4	5.5	7	8.5	10	12	15	18
t	1.2	1.5	2	2	3	4	4.8	5.6	6.4	8	10
s	1.5	2	2.5	3	4	5	6	6	8	10	12

<i>L</i> \ <i>D</i>	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
3	○										
4	○	○	○								
5	○	○	○	○							
6	○	○	○	○	○						
8	○	○	○	○	○	○					
10	○	○	○	○	○	○	○				
12	○	○	○	○	○	○	○				
14	○	○	○	○	○	○	○		○		
16	○	○	○	○	○	○	○	○	○		
18	○	○	○	○	○	○	○	○	○		
20	○	○	○	○	○	○	○	○	○	○	○
25		○	○	○	○	○	○	○	○	○	○
30		○	○	○	○	○	○	○	○	○	○
35		○	○	○	○	○	○	○	○	○	○
40		○	○	○	○	○	○	○	○	○	○
45			○	○	○	○	○	○	○	○	○
50			○	○	○	○	○	○	○	○	○
60			○	○	○	○			○	○	○
70				○	○	○			○	○	○
80				○	○	○			○	○	○
90					○	○			○	○	○
100					○	○			○		○

HRN M.B1.271

Uvrtni imbus vijak sa konusnim završetkom

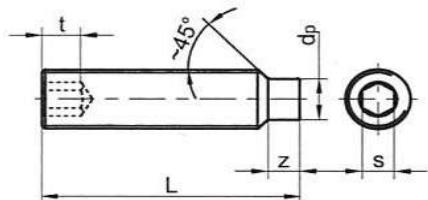
FE**DIN 914 / 45H****ZN****ISO 4027****UNI 5927**

	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
d_t	2	2.5	3.5	4	5.5	7	8.5	10	12	15	18
t	1.2	1.5	2	2	3	4	4.8	5.6	6.4	8	10
s	1.5	2	2.5	3	4	5	6	6	8	10	12

L \ D	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
3	○										
4	○	○	○								
5	○	○	○	○							
6	○	○	○	○	○						
8	○	○	○	○	○	○					
10	○	○	○	○	○	○	○	○			
12	○	○	○	○	○	○	○	○			
14	○	○	○	○	○	○	○	○			
16	○	○	○	○	○	○	○		○		
18	○	○	○	○	○	○	○		○		
20	○	○	○	○	○	○	○		○	○	
25		○	○	○	○	○	○		○	○	
30		○	○	○	○	○	○		○	○	○
35		○	○	○	○	○	○		○	○	○
40		○	○	○	○	○	○		○	○	○
45			○	○	○	○			○	○	○
50			○	○	○	○			○	○	○
60				○	○	○			○	○	○
70					○	○			○	○	○
80						○	○		○	○	○
90						○	○		○	○	○
100						○	○		○		○

HRN M.B1.272

Uvrtni imbus vijak sa manjim cilindričnim završetkom

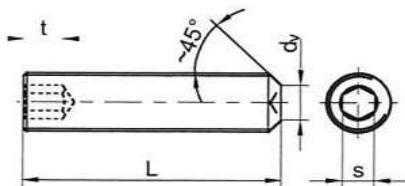
FE**DIN 915 / 45H****ZN****ISO 4028****UNI 5925**

	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
d_p	2	2.5	3.5	4	5.5	7	8.5	10	12	15	18
z	1.75	2.25	2.75	3.25	4.3	5.3	6.3	7.36	8.36	10.36	12.43
t	1.2	1.5	2	2	3	4	4.8	5.6	6.4	8	10
s	1.5	2	2.5	3	4	5	6	6	8	10	12

L \ D	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
3	o										
4	o	o	o								
5	o	o	o	o							
6	o	o	o	o	o						
8	o	o	o	o	o	o					
10	o	o	o	o	o	o	o				
12	o	o	o	o	o	o	o	o			
14	o	o	o	o	o	o	o	o			
16	o	o	o	o	o	o	o	o	o		
18	o	o	o	o	o	o	o	o	o		
20	o	o	o	o	o	o	o	o	o	o	
25		o	o	o	o	o	o	o	o	o	
30		o	o	o	o	o	o	o	o	o	o
35		o	o	o	o	o	o	o	o	o	o
40		o	o	o	o	o	o	o	o	o	o
45			o	o	o	o					
50			o	o	o	o					
60				o	o	o					
70				o	o	o					
80				o	o	o					
90									o	o	
100											o

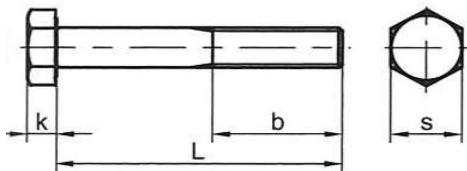
HRN M.B1.273

Uvrtni imbus vijak sa stožasto upuštenim završetkom

FE**DIN 916 / 45H****ZN****ISO 4029****UNI 5929**

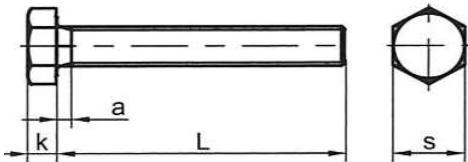
	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
d_v	1.4	2	2.5	3	4	5	6	6	8	10	12
t	1.2	1.5	2	2	3	4	4.8	5.6	6.4	8	10
s	1.5	2	2.5	3	4	5	6	6	8	10	12

L \ D	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
3	○										
4	○	○	○								
5	○	○	○	○							
6	○	○	○	○	○						
8	○	○	○	○	○	○					
10	○	○	○	○	○	○	○				
12	○	○	○	○	○	○	○				
14	○	○	○	○	○	○	○				
16	○	○	○	○	○	○	○		○		
18	○	○	○	○	○	○	○		○		
20	○	○	○	○	○	○	○		○	○	
25		○	○	○	○	○	○	○	○	○	
30		○	○	○	○	○	○	○	○	○	○
35		○	○	○	○	○	○	○	○	○	○
40		○	○	○	○	○	○	○	○	○	○
45			○	○	○	○	○	○	○	○	○
50			○	○	○	○	○	○	○	○	○
60				○	○	○			○	○	○
70					○	○	○		○	○	○
80						○	○	○	○	○	○
90							○	○	○	○	○
100								○	○		○

HRN M.B1.051*Vijak sa šesterobridnom glavom i navojem do pola***FE****DIN 931***Sechskantschraube Mit Schaft Regel Gewinde***ZN****ISO 4014***High Tensile Metric Hexagonal Bolts Course Threaded***VZN****UNI 5737***Viti a testa esagonale con gambo parzialmente filettato a passo grosso***A2****A4**

	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22	M 24
s	7	8	10	13	17	19	22	24	27	30	32	36
k	2.8	3.5	4	5.3	6.4	7.5	8.8	10	11.5	12.5	14	15
b	14	16	18	22	26	30	34	38	42	46	50	54

<i>L \ D</i>	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22	M 24
30	○	○	○	○								
35	○	○	○	○								
40	○	○	○	○	○	○						
45		○	○	○	○	○						
50		○	○	○	○	○	○	○				
55		○	○	○	○	○	○	○				
60		○	○	○	○	○	○	○	○	○		
65		○	○	○	○	○	○	○	○	○		
70		○	○	○	○	○	○	○	○	○	○	
75		○	○	○	○	○	○	○	○	○	○	
80		○	○	○	○	○	○	○	○	○	○	
85		○	○	○	○	○	○	○	○	○	○	
90		○	○	○	○	○	○	○	○	○	○	
95		○	○	○	○	○	○	○	○	○	○	
100		○	○	○	○	○	○	○	○	○	○	
110			○	○	○	○	○	○	○	○	○	
120			○	○	○	○	○	○	○	○	○	
130				○	○	○	○	○	○	○	○	
140					○	○	○	○	○	○	○	
150						○	○	○	○	○	○	
160							○	○	○	○	○	
170								○	○	○	○	
180									○	○	○	
190										○	○	
200											○	

HRN M.B1.053*Vijak sa šesterobridnom glavom i navojem do glave***FE****DIN 933***Sechskantschrauben Mit Gewinde Bis Kopf Regal Gevinde***ZN****ISO 4017***High Tensile Metric Setscrews Course Threaded***VZN****UNI 5739***Viti a testa esagonale***A2****A4**

	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22	M 24
s	7	8	10	13	17	19	22	24	27	30	32	36
k	2.8	3.5	4	5.3	6.4	7.5	8.8	10	11.5	12.5	14	15
a_{max}	2.1	2.4	3	3.75	4.5	5.25	6	6	7.5	7.5	7.5	9

<i>L \ D</i>	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22	M 24
6	○	○	○									
8	○	○	○									
10	○	○	○	○								
12	○	○	○	○	○							
16	○	○	○	○	○	○						
20	○	○	○	○	○	○	○					
25	○	○	○	○	○	○	○	○				
30	○	○	○	○	○	○	○	○	○			
35	○	○	○	○	○	○	○	○	○	○		
40	○	○	○	○	○	○	○	○	○	○		
45		○	○	○	○	○	○	○	○	○		
50		○	○	○	○	○	○	○	○	○		
55		○	○	○	○	○	○	○	○	○		
60		○	○	○	○	○	○	○	○	○		
65		○	○	○	○	○	○	○	○	○		
70		○	○	○	○	○	○	○	○	○		
75			○	○	○	○	○	○	○	○		
80			○	○	○	○	○	○	○	○		
85			○	○	○	○	○	○	○	○		
90			○	○	○	○	○	○	○	○		
95			○	○	○	○	○	○	○	○		
100			○	○	○	○	○	○	○	○		
110					○	○	○	○	○	○		
120					○	○	○	○	○	○		

HRN M.B1.601

DIN 934 8.

ISO 4032

UNI 5588

Šesterokutna matica

Sechskant muttern

Hexagonal Nuts

Dadi esagonali

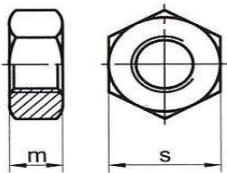
FE

ZN

VZN

A2

A4



M	FE	ZN	VZN
3	○	○	
4	○	○	
5	○	○	
6	○	○	
8	○	○	○
10	○	○	○
12	○	○	○
14	○	○	○
16	○	○	○
18	○	○	
20	○	○	○
22	○	○	
24	○	○	○
27	○	○	
30	○	○	
33	○	○	
36	○	○	
39	○	○	
42	○	○	
45	○	○	
48	○	○	

m	s
2.4	5.5
3.2	7.0
4.0	8.0
5.0	10.0
6.5	13.0
8.0	17.0
10.0	19.0
11.0	22.0
13.0	24.0
15.0	27.0
16.0	30.0
18.0	32.0
19.0	36.0
22.0	41.0
24.0	46.0
26.0	50.0
29.0	55.0
31.0	60.0
34.0	65.0
36.0	70.0
38.0	75.0

HRN M.B1.630

DIN 935

ISO 7035

UNI 5593

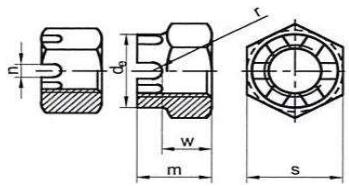
Šesterokutna krunasta matica

Kronenmuttern

Hex castle nuts

Dadi ad intagli

ZN



M	ZN
8	○
10	○
12	○
16	○
20	○

d_{max}	m	n_{min}	s	w
	9.5	2.5	13.0	6.5
	12.0	2.8	17.0	8.0
16.0	15.0	3.5	19.0	10.0
22.0	19.0	4.5	24.0	13.0
28.0	22.0	4.5	30.0	16.0

HRN M.B1.136

Vijač s upuštenom glavom i križnim utorom PH

FE**DIN 965**

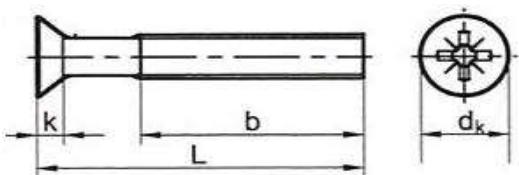
Senkschrauben mit Kreuzschlitz

ZN**ISO 7046**

Philips cross recessed flat head machine screws

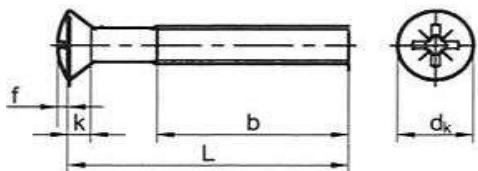
A2**UNI 7688**

Viti a testa svasata piana

A4

	M 3	M 4	M 5	M 6	M 8	M 10
d_k	5.6	7.5	9.2	11	14.5	18
k	1.65	2.2	2.5	3	4	5
b	19	22	25	28	34	40

<i>L</i> \ <i>D</i>	M 3	M 4	M 5	M 6	M 8	M 10
5	○					
6	○	○				
8	○	○	○	○		
10	○	○	○	○		
12	○	○	○	○	○	
16	○	○	○	○	○	○
20	○	○	○	○	○	○
25	○	○	○	○	○	○
30	○	○	○	○	○	○
35		○	○	○	○	○
40		○	○	○	○	○
45		○	○	○	○	○
50	○	○	○	○	○	
55			○	○	○	
60			○	○	○	
70			○	○	○	
80	○	○	○			

HRN M.B1.144*Vijak s lečastom glavom i križnim utorom PH***FE****DIN 966***Linsenschrauben mit Kreuzschlitz***ZN****ISO 7047***Phillips cross recessed oval head machine screws***A2****UNI 7689***Viti a testa svasata con calotta***A4**

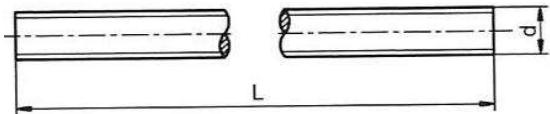
	M 3	M 4	M 5	M 6	M 8
d_k	5.6	7.5	9.2	11	14.5
k	1.65	2.2	2.5	3	4
b	19	22	25	28	34
f	0.75	1	1.25	1.5	2

L \ D	M 3	M 4	M 5	M 6	M 8
5	○				
6	○	○			
8	○	○	○		
10	○	○	○	○	
12	○	○	○	○	
16	○	○	○	○	○
20	○	○	○	○	○
25	○	○	○	○	○
30	○	○	○	○	○
35	○	○	○	○	○
40	○	○	○	○	○
45			○	○	○
50			○	○	○

HRN
DIN 976
ISO
UNI 6610

Navojna šipka
Gewindestangen
Threaded rod
Barra filettata

FE
ZN
A2
A4



4.6

<i>M</i>	<i>L</i>	1000	2000	3000
4		○		
5		○		
6		○	○	○
8		○	○	○
10		○	○	○
12		○	○	○
14		○	○	○
16		○	○	○
18		○	○	○
20		○	○	○
22		○	○	○
24		○	○	○
27		○	○	○
30		○		○
33		○		○
36		○		○
39		○		○
42		○		
45		○		
48		○		

8.8

<i>M</i>	<i>L</i>	1000
4		○
5		○
6		○
8		○
10		○
12		○
14		○
16		○
18		○
20		○
22		○
24		○
27		○
30		○
33		○
36		○
39		○
42		○
48		○

10.9

<i>M</i>	<i>L</i>	1000
8		○
10		○
12		○
16		○
20		○
24		○
27		○
30		○
36		○

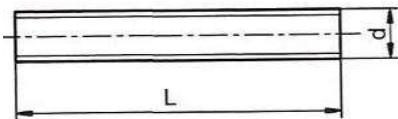
12.9

<i>M</i>	<i>L</i>	1000
8		○
10		○
12		○
16		○
20		○
24		○
30		○
30		○

HRN
DIN 976
ISO
UNI 6610

Navojnik
Gewindestangen
Threaded rod
Barra filettata

FE
ZN
A2

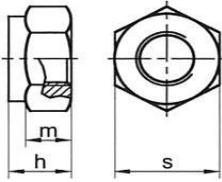


<i>L \ D</i>	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22	M 24
40	o									
45	o									
50	o	o								
55	o	o								
60	o	o	o							
70	o	o	o							
80	o	o	o							
90	o	o	o							
100	o	o	o	o	o	o	o	o		
110	o	o	o	o						
120	o	o	o	o	o	o				
130	o	o	o	o						
140	o	o	o	o	o	o				
150	o	o	o	o			o	o	o	o
160		o	o	o	o	o				
170		o	o	o						
180		o	o	o	o	o				
190		o	o	o						
200		o	o	o	o	o	o	o	o	o
210		o	o	o						
220		o	o	o	o	o				
230		o	o	o						
240		o	o	o	o	o				
250		o	o	o			o	o	o	o
260		o	o	o	o	o				
270		o	o							
280		o	o	o	o	o				
290		o	o							
300		o	o	o	o	o	o	o	o	o
350			o	o	o	o	o	o	o	o
400			o	o	o	o	o	o	o	o
450			o	o	o	o	o	o	o	o
500			o	o	o	o	o	o	o	o

HRN
DIN 985
ISO 10511
UNI 7474

Sigurnosna matica sa plastikom
Sicherungsmuttern
Prevailing torque hex nuts
Dadi esagonali autofrenanti

ZN
A2
A4



M	ZN
3	○
4	○
5	○
6	○
8	○
10	○
12	○
14	○
16	○
18	○
20	○
22	○
24	○
27	○
30	○

h_{max}	m_{min}	s
4.0	2.4	5.5
5.0	2.9	7.0
5.0	3.2	8.0
6.0	4.0	10.0
8.0	5.5	13.0
10.0	6.5	17.0
12.0	8.0	19.0
14.0	9.5	22.0
16.0	10.5	24.0
18.5	13.0	27.0
20.0	14.0	30.0
22.0	15.0	32.0
24.0	15.0	36.0
27.0	17.0	41.0
30.0	19.0	46.0

HRN

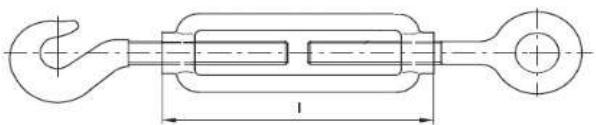
Natezni vijak, oko-kuka

ZN

DIN 1480 O/K

ISO

UNI



M	ZN	l
6	○	110
8	○	110
10	○	125
12	○	125
14	○	140
16	○	170
20	○	200
24	○	255
30	○	255
36	○	295

HRN M.B1.628

Slijepa matica

ZN

DIN 1587

Hutmuttern

A2

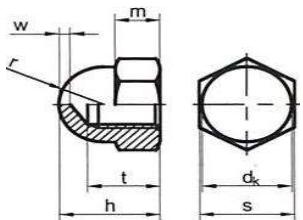
ISO

Hex domed nuts

A4

UNI 5721

Hex domed nuts



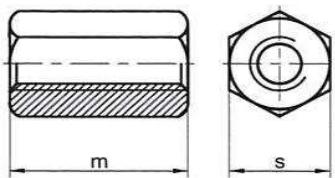
M	ZN
4	○
5	○
6	○
8	○
10	○
12	○
14	○
16	○
20	○

m_{max}	r	s	t_{min}	w_{min}
3.20	3.25	7.00	5.26	2.00
4.00	3.75	8.00	7.21	2.00
5.00	4.75	10.00	7.21	2.00
6.50	6.25	13.00	10.65	2.00
8.00	7.50	17.00	12.65	2.00
10.00	8.50	19.00	15.65	3.00
11.00	10.00	22.00	17.65	4.00
13.00	11.50	24.00	20.58	4.00
16.00	14.00	30.00	25.58	5.00

HRN
DIN 6334
ISO
UNI 5535

Šesterokutna visoka matica
Sechskant - Verlängerungsmuttern
Hex nuts nominal height
Dadi esagonali di prolungamento

ZN



M	ZN
6	0
8	0
10	0
12	0
16	0
20	0

m	s
18.00	10.00
24.00	13.00
30.00	17.00
36.00	19.00
48.00	24.00
60.00	30.00

HRN M.B2.150

DIN 6797

ISO

UNI 8841 A

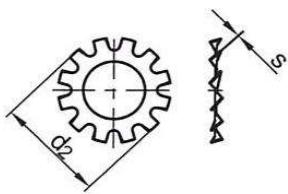
Zupčasta podložna pločica, oblik A

Zahnscheiben

Toothed lock washers

Rosette elastiche piane

ZN



M	ZN
3	○
4	○
5	○
6	○
8	○
10	○
12	○
14	○
16	○
18	○
20	○
22	○
24	○

d₁	d₂	s
3.20	6.00	0.40
4.30	8.00	0.50
5.30	10.00	0.60
6.40	11.00	0.70
8.40	15.00	0.80
10.50	18.00	0.90
13.00	20.50	1.00
15.00	24.00	1.00
17.00	26.00	1.20
19.00	30.00	1.40
21.00	33.00	1.40
23.00	36.00	1.50
25.00	38.00	1.50

HRN M.B2.151

DIN 6798

ISO

UNI 8842 A

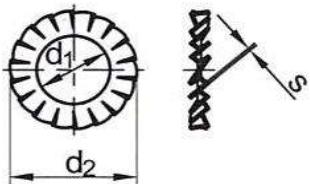
Zupčasta podložna pločica, oblik A

Facherscheiben

Serrated lock washers

Rosette elastiche piane

ZN



M	ZN
4	○
5	○
6	○
8	○
10	○
12	○
14	○
16	○
20	○
24	○

d_1	d_2	s
4.30	8.00	0.50
5.30	10.00	0.60
6.40	11.00	0.70
8.40	15.00	0.80
10.50	18.00	0.90
13.00	20.50	1.00
15.00	24.00	1.00
17.00	26.00	1.20
21.00	33.00	1.40
25.00	38.00	1.50

HRN M.B1.066

HV - vijak sa šesterobridnom glavom i navojem do pola

FE**DIN 6914**

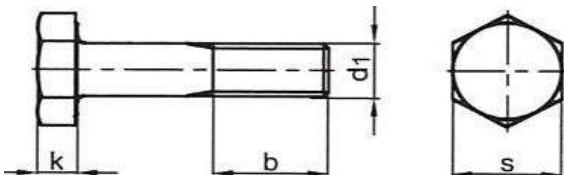
HV - schrauben

ZN**ISO 7412**

HV - heavy hex structural bolts

VZN**UNI 5712**

HV - viti a testa esagonale larga



	M 12	M 16	M 20	M 24	M 27	M 30
b	21	26	31	34	37	40
k	8	10	13	15	17	19
s	22	27	32	41	46	50

<i>L</i> \ <i>D</i>	M 12	M 16	M 20	M 24	M 27	M 30
30	○					
35	○	○				
40	○	○	○			
45	○	○	○			
50	○	○	○	○		
55	○	○	○	○		
60	○	○	○	○	○	
65		○	○	○	○	
70		○	○	○	○	○
75		○	○	○	○	○
80		○	○	○	○	○
85		○	○	○	○	○
90		○	○	○	○	○
95		○	○	○	○	○
100		○	○	○	○	○
105			○	○	○	○
110			○	○	○	○
115			○	○	○	○
120			○	○	○	○
125				○	○	○
130				○	○	○

HRN M.B1.629

DIN 6915

ISO 7414

UNI 5713

HV - šesterokutna matica

HV - sechskantmuttern

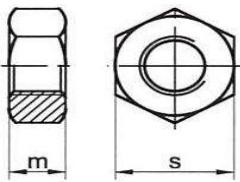
HV - hexagon nuts

HV - dadi esagonali

FE

ZN

VZN



M	ZN
12	○
16	○
20	○
22	○
24	○
27	○
30	○

m	s
10.00	22.00
13.00	27.00
16.00	32.00
18.00	36.00
20.00	41.00
22.00	46.00
24.00	50.00

HRN M.B1.030

HV - podložna pločica

FE

DIN 6916

HV - scheiben

ZN

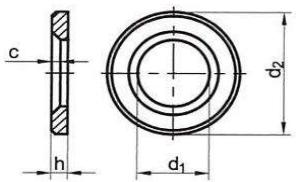
ISO 7418

HV - flat washers

VZN

UNI 5714

HV - rosette



M	ZN
12	○
16	○
20	○
22	○
24	○
27	○
30	○

d_1	d_2	h	c_{min}
13.00	24.00	3.00	1.60
17.00	30.00	4.00	1.60
21.00	37.00	4.00	2.00
23.00	39.00	4.00	2.00
25.00	44.00	4.00	2.00
28.00	50.00	5.00	2.50
31.00	56.00	5.00	2.50

HRN

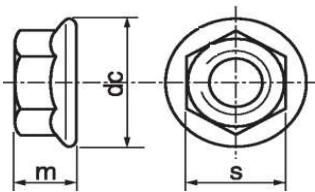
Šesterokutna matica sa prirubnicom

ZN

DIN 6923

ISO 4161

UNI



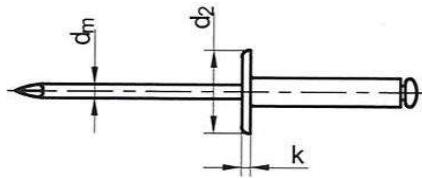
M	ZN
4	○
5	○
6	○
8	○
10	○
12	○

d_c	m	s
10	4.65	7
11.8	5	8
14.2	6	10
17.9	8	13
21.8	10	15
26.00	12	18

HRN
DIN 7337
ISO 15983
UNI 9200

Blok zakovica
Flachrun Blindniete
Open end rivets dome head
Rivetti a strappo a testa bombata

FE
AL
AL / RAL
FE / RAL
CU
A2
A4



FE / FE

	Ø3,2	Ø4,0	Ø4,8
d ₂	6.5	8	9.5
d _m	2	2.45	2.95
k	1	1.2	1.3
SVRDLO	3.3	4.1	4.9

L \ D	Ø3,2	Ø4,0	Ø4,8
6	○	○	
8	○	○	○
10	○	○	○
12	○	○	○
14		○	○
16		○	○
18		○	○
20	○	○	

CU

	Ø3,0	Ø3,2	Ø4,0
d ₂	6.5	6.5	8
d _m	2	2	2.45
k	1	1	1.2
SVRDLO	3.1	3.3	4.1

L \ D	Ø3,0	Ø3,2	Ø4,0
4	○		
6	○	○	○
7		○	
8	○	○	○
9		○	○
10	○	○	○
11	○	○	○
12	○		○

A2-INOX

	Ø3,2	Ø4,0
d ₂	6.5	6.5
d _m	2	2
k	1	1
SVRDLO	3.1	3.3

AL / FE

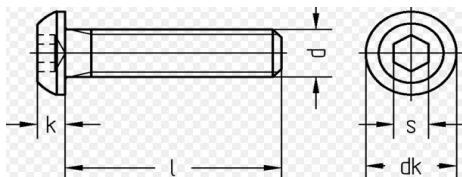
	Ø3,2	Ø4,0	Ø4,8
d ₂	6.5	8	9.5
d _m	2	2.45	2.95
k	1	1.2	1.3
SVRDLO	3.3	4.1	4.9

L \ D	Ø3,2	Ø4,0	Ø4,8
6	○	○	○
8	○	○	○
10	○	○	○
12	○	○	○
14	○	○	○
16	○	○	○
18		○	○
20	○	○	

AL / FE - RAL

	Ø3,2	Ø4,0
d ₂	6.5	8
d _m	2	2.45
k	1	1.2
SVRDLO	3.3	4.1

L \ D	Ø3,2	Ø4,0
6	○	
8	○	
10	○	○

HRN*Imbus vijak za ravnom lečastom glavom***ZN****DIN***Linsenkopfschrauben mit innensechskant***ISO 7380***Hexagon socket button head screws***UNI***Viti a testa bombata con cava esagonale*

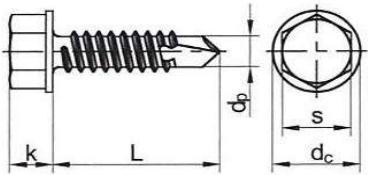
	M 4	M 5	M 6	M 8	M 10	M 12
d_k	7.6	9.5	10.5	14	17.5	21
k	2.2	2.75	3.3	4.4	5.5	6.6
s	2.5	3	4	5	6	8

<i>L</i> \ <i>D</i>	M 4	M 5	M 6	M 8	M 10	M 12
6	○	○				
8	○	○				
10	○	○	○	○		
12	○	○	○	○		
16	○	○	○	○		
20	○	○	○	○	○	○
25	○	○	○	○	○	○
30		○	○	○	○	○
35		○	○	○	○	○
40		○	○	○	○	○
45				○	○	○
50				○	○	○

HRN
DIN 7504 K
ISO 15480
UNI 8117

*Samobušći vijak sa šesterobridnom glavom
 Sechskant Bohrschrauben
 Hexagon head self drilling screws
 Viti autoperforanti a testa esagonale con bordino*

ZN
A2



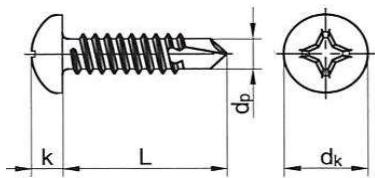
	$\varnothing 3,5$	$\varnothing 3,9$	$\varnothing 4,2$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
za lim max.	2.25	2.5	3	4.4	5.25	6
d_p max.	2.8	2.8	3.6	4.1	4.8	5.8
d_c max.	8.3	8.3	8.8	10.5	11	13.5
$k_{max.}$	3.4	3.4	4.1	4.3	5.4	5.9
s	5.5	5.5	7	8	8	10

$L \backslash D$	$\varnothing 3,5$	$\varnothing 3,9$	$\varnothing 4,2$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
10	o					
13	o	o	o	o		
16	o	o	o	o	o	
19	o	o	o	o	o	o
22	o	o	o	o	o	o
25	o	o	o	o	o	o
32			o	o	o	o
35				o		
38			o	o	o	o
45				o	o	o
50				o	o	o
60					o	o
63					o	o
70					o	o
75					o	o
80						o
90						o
100						o
110						o
120						o
130						o
140						o

HRN
DIN 7504 N
ISO 15481
UNI 8118

*Samobušći vijak sa cilindričnom PH križnom glavom
Linsen Bohrschrauben
Philips cross recessed pan head self drilling screws
Viti autoperforanti a testa bombata*

ZN



	$\varnothing 3,5$	$\varnothing 3,9$	$\varnothing 4,2$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
za lim max.	2.25	2.5	3	4.4	5.25	6
d_p max.	2.8	2.8	3.6	4.1	4.8	5.8
d_c max.	8.3	8.3	8.8	10.5	11	13.5
$k_{max.}$	3.4	3.4	4.1	4.3	5.4	5.9
s	5.5	5.5	7	8	8	10

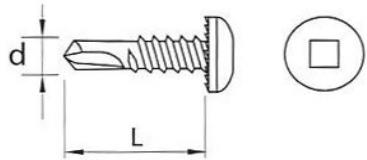
$L \backslash D$	$\varnothing 3,5$	$\varnothing 3,9$	$\varnothing 4,2$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
13	o	o	o	o		
16	o	o	o	o		
19	o	o	o	o	o	
22	o	o	o	o	o	o
25	o	o	o	o	o	o
32		o	o	o	o	o
38		o	o	o	o	o
45			o	o	o	
50			o	o	o	

HRN
DIN 7504 NHC
ISO
UNI

Samobušći vijak sa cilindričnom firkant glavom

ZN

Self drilling screws pan head with serration



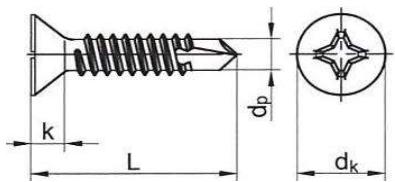
	$\varnothing 4,2$
za lim max.	2.25
d_p	3.5
k	3
f	3

L	D	$\varnothing 4,2$
13		○
16		○
19		○
25		○
32		○

HRN
DIN 7504 P
ISO 15482
UNI 8119

*Samobušći vijak sa cilindričnom upuštenom PH križnom glavom
 Senk Bohrschrauben
 Philips cross recessed flat head self drilling screws
 Viti autoperforanti a testa svasata piana*

ZN



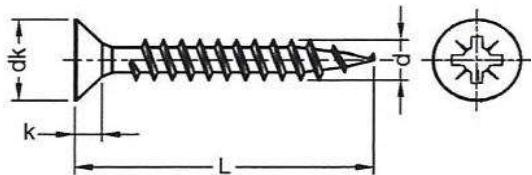
	$\varnothing 3,5$	$\varnothing 3,9$	$\varnothing 4,2$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
za lim max.	2.25	2.5	3	4.4	5.25	6
d_p max.	2.8	2.8	3.6	4.1	4.8	5.8
d_c max.	6.8	7.8	8.1	9.5	10.8	12.4
$k_{max.}$	2.1	2.5	2.8	3	3.4	3.8
s	5.5	5.5	7	8	8	10

$L \backslash D$	$\varnothing 3,5$	$\varnothing 3,9$	$\varnothing 4,2$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
13	o	o	o			
16	o	o	o	o		
19	o	o	o	o		
22	o	o	o	o		
25	o	o	o	o	o	o
32		o	o	o	o	o
38		o	o	o	o	o
45			o	o	o	o
50				o	o	o
60					o	

HRN
DIN 7505 A
ISO
UNI

Iver vijak sa upuštenom PZ križnom glavom
Senk Spanplattenschrauben
Countersunk chip bord screws
Viti per pannelli di masonite a testa svasata piana

ZN
A2
A4



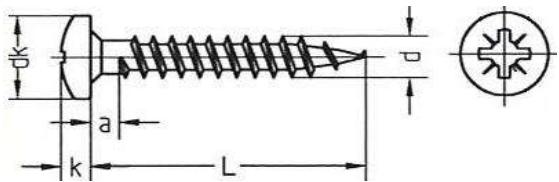
	$\varnothing 3,0$	$\varnothing 3,5$	$\varnothing 4,0$	$\varnothing 4,5$	$\varnothing 5,0$	$\varnothing 6,0$
d_k	6	7	8	9	10	12
k	1.8	2.1	2.4	2.7	2.9	3.4
PZ	1	2	2	2	3	3

$L \backslash D$	$\varnothing 3,0$	$\varnothing 3,5$	$\varnothing 4,0$	$\varnothing 4,5$	$\varnothing 5,0$	$\varnothing 6,0$
10	o					
12	o	o				
16	o	o	o	o		
20	o	o	o	o	o	
25	o	o	o	o	o	
30	o	o	o	o	o	o
35	o	o	o	o	o	o
40	o	o	o	o	o	o
45	o	o	o	o	o	o
50		o	o	o	o	o
60			o	o	o	o
70			o	o	o	o
80				o	o	o
90					o	o
100					o	o
110					o	o
120					o	o
130						o
140						o
150						o
160						o
180						o
200						o

HRN
DIN 7505 B
ISO
UNI

Iver vijak sa cilindričnom PZ križnom glavom
 Pan head Spanplattenschrauben
 Pan head chip bord screws with pozdrive
 Viti per pannelli di masonite a testa bombata

ZN



	$\varnothing 3,0$	$\varnothing 3,5$	$\varnothing 4,0$	$\varnothing 4,5$	$\varnothing 5,0$	$\varnothing 6,0$
d_k	6	7	8	9	10	12
k	2.4	2.5	2.9	3.2	3.5	4.1
PZ	1	2	2	2	2	3

$L \backslash D$	$\varnothing 3,0$	$\varnothing 3,5$	$\varnothing 4,0$	$\varnothing 4,5$	$\varnothing 5,0$	$\varnothing 6,0$
12	o					
16	o	o	o	o	o	
20	o	o	o	o	o	o
25	o	o	o	o	o	o
30	o	o	o	o	o	o
35		o	o	o	o	o
40		o	o	o	o	o
45			o	o	o	o
50			o	o	o	o
60			o	o	o	o
70				o	o	
80				o	o	
90				o	o	
100					o	

HRN M.B1.466

Vijač za lim sa cilindričnom PH križnom glavom

ZN**DIN 7981**

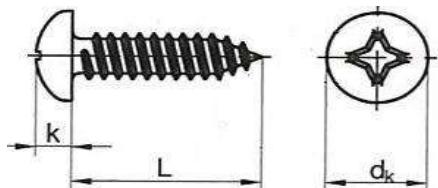
Linsen Blechschrauben

A2**ISO 7049**

Philips cross recessed pan head tapping screws

A4**UNI 6954**

Viti autofilettanti a testa bombata



	$\varnothing 2,9$	$\varnothing 3,5$	$\varnothing 3,9$	$\varnothing 4,2$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
d_k	5.6	6.9	7.5	8.2	9.5	10.8	12.5
$k_{\max.}$	2.4	2.6	2.8	3.1	3.7	4	4.6
PH	1	2	2	2	2	3	3

$L \backslash D$	$\varnothing 2,9$	$\varnothing 3,5$	$\varnothing 3,9$	$\varnothing 4,2$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
6.5	○	○	○				
9.5	○	○	○	○	○		
13	○	○	○	○	○	○	○
16	○	○	○	○	○	○	○
19	○	○	○	○	○	○	○
22	○	○	○	○	○	○	○
25	○	○	○	○	○	○	○
32	○	○	○	○	○	○	○
38		○	○	○	○	○	○
45		○	○	○	○	○	○
50				○	○	○	○
60				○	○	○	○
70				○	○	○	○
80					○	○	○
90						○	

HRN M.B1.465

Vijak za lim sa upuštenom PH križnom glavom

ZN

DIN 7982

Senk Blechschauben

A2

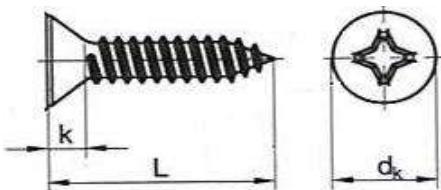
ISO 7050

Phillips cross recessed flat head tapping screws

A4

UNI 6955

Viti autofilettanti a testa svasata piana



	$\varnothing 2,9$	$\varnothing 3,5$	$\varnothing 3,9$	$\varnothing 4,2$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
d_k	5.5	6.8	7.5	8.2	9.5	10.8	12.4
$k_{\max.}$	1.7	2.1	2.3	2.6	2.8	3	3.15
PH	1	2	2	2	2	3	3

$L \backslash D$	$\varnothing 2,9$	$\varnothing 3,5$	$\varnothing 3,9$	$\varnothing 4,2$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
6.5	○	○	○				
9.5	○	○	○	○	○		
13	○	○	○	○	○	○	
16	○	○	○	○	○	○	○
19	○	○	○	○	○	○	○
22	○	○	○	○	○	○	○
25	○	○	○	○	○	○	○
32	○	○	○	○	○	○	○
38		○	○	○	○	○	○
45				○	○	○	○
50				○	○	○	○
60				○	○	○	○
70				○	○	○	○
80					○	○	○

HRN M.B1.467

Vijač za lim sa upuštenom lećastom PH križnom glavom

ZN**DIN 7983**

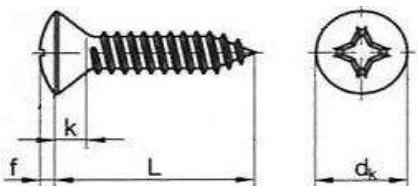
Senk Blechschauben

A2**ISO 7051**

Phillips cross recessed flat head tapping screws

A4**UNI 6956**

Viti autofilettanti a testa svasata piana



	$\varnothing 2,9$	$\varnothing 3,5$	$\varnothing 3,9$	$\varnothing 4,2$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
d_k	5.5	6.8	7.5	8.2	9.5	10.8	12.4
$k_{\max.}$	1.7	2.1	2.3	2.6	2.8	3	3.15
f	3.2	4.3	4.2	4.6	5.1	6.5	6.8
PH	1	2	2	2	2	3	3

$L \backslash D$	$\varnothing 2,9$	$\varnothing 3,5$	$\varnothing 3,9$	$\varnothing 4,2$	$\varnothing 4,8$	$\varnothing 5,5$	$\varnothing 6,3$
9.5	○	○	○	○	○		
13	○	○	○	○	○	○	
16	○	○	○	○	○	○	○
19	○	○	○	○	○	○	○
22	○	○	○	○	○	○	○
25	○	○	○	○	○	○	○
32		○	○	○	○	○	○
38			○	○	○	○	○
45				○	○	○	○
50				○	○	○	○

HRN M.B1.118

Vijak sa cilindričnom PH križnom glavom

ZN**DIN 7985**

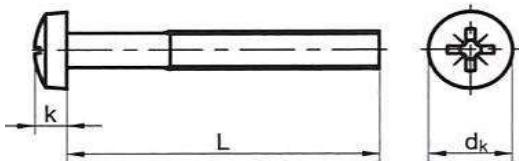
Linsenschrauben mit Kreuzschlitz

A2**ISO 14583**

Philips cross recessed pan head machine screws

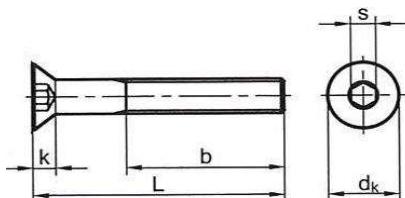
UNI 7687

Viti a testa cilindrica con calotta



	M 3	M 4	M 5	M 6
d_k	6	8	10	12
k	2.4	3.1	3.8	4.6
PH	1	2	2	3

<i>L</i>	M 3	M 4	M 5	M 6
4	○			
5	○	○		
6	○	○	○	
8	○	○	○	○
10	○	○	○	○
12	○	○	○	○
14	○	○	○	○
16	○	○	○	○
18	○	○	○	○
20	○	○	○	○
25	○	○	○	○
30	○	○	○	○
35		○	○	○
40		○	○	○
45			○	○
50			○	○
55			○	○
60			○	○
65			○	○
70			○	○

HRN M.B1.126*Imbus vijak sa upuštenom glavom***FE****DIN 7991***Senkschrauben***ZN****ISO 10642***Socket flat head screws***A2****UNI 5933***Viti a testa svasata piana*

	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
d_k	6.72	8.96	10.2	13.44	17.92	22.4	26.8	30.88	33.6	40.32	39
k_{max.}	1.86	2.48	3.1	3.72	4.96	6.2	7.44	8.4	8.8	10.16	14
s	2	2.5	3	4	5	6	8	10	10	12	14
b	18	20	22	24	28	32	36	40	44	52	60

L \ D	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
6	○	○	○								
8	○	○	○	○							
10	○	○	○	○	○						
12	○	○	○	○	○						
16	○	○	○	○	○	○					
18	○	○	○	○	○	○					
20	○	○	○	○	○	○	○				
25	○	○	○	○	○	○	○		○		
30	○	○	○	○	○	○	○	○	○		
35				○	○	○	○	○	○	○	
40				○	○	○	○	○	○	○	○
45				○	○	○	○	○	○	○	○
50				○	○	○	○	○	○	○	○
55					○	○	○	○	○	○	○
60					○	○	○	○	○	○	○
70					○	○	○	○	○	○	○
80					○	○	○	○	○	○	○
90						○	○	○	○	○	○
100						○	○	○	○	○	○

HRN M.B2.014

DIN 9021

ISO 7093

UNI 6593

Široka podložna pločica

Scheiben

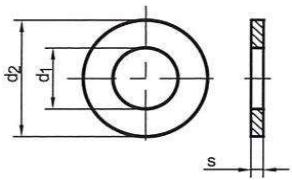
Flat washers

Rosette

ZN

A2

A4



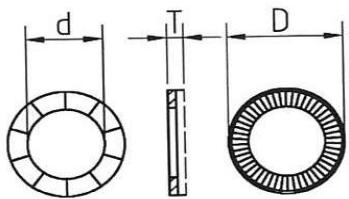
M	ZN
3	○
4	○
5	○
6	○
8	○
10	○
12	○
14	○
16	○
18	○
20	○
24	○

d₁	d₂	s
3.2	9.0	0.8
4.3	12.0	1.0
5.3	15.0	1.2
6.4	18.0	1.6
8.4	24.0	2.0
10.5	30.0	2.5
13.0	37.0	3.0
15.0	44.0	3.0
17.0	50.0	3.0
19.0	56.0	4.0
21.0	60.0	4.0
26.0	72.0	5.0

HRN
DIN 25201
ISO
UNI

Samoosiguravajuća podloška NORD-LOCK

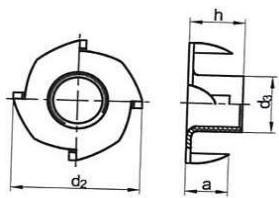
ZN



M	ZN
5	○
6	○
8	○
10	○
12	○
14	○
16	○
18	○
20	○
22	○
24	○
27	○
30	○
33	○
36	○

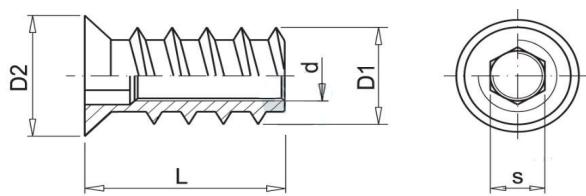
d	D	T
5.4	9.0	1.8
6.5	10.8	1.8
8.7	13.5	2.5
10.7	16.6	2.5
13.0	19.5	2.5
15.2	23.0	3.4
17.0	25.4	3.4
19.5	29.0	3.4
21.4	30.7	3.4
23.4	34.5	3.4
25.3	39.0	3.4
28.4	42.0	6.6
31.4	47.0	6.6
34.4	48.5	6.6
37.4	55.0	6.6



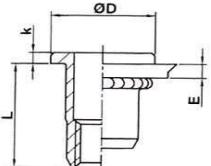
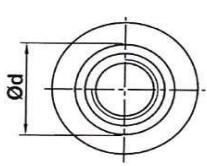


M	ZN
4	○
5	○
6	○
8	○
10	○

h	d₂	d₃
6	15.0	5.0
8	17.0	6.5
9/12	19.0	7.5
11/15	22.0	10.0
13	25.0	11.5



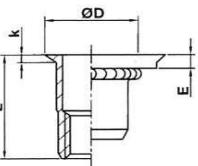
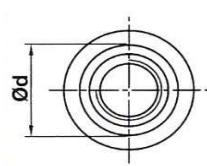
M	ZN
4	○
5	○
6	○
8	○
10	○

DTS 103 C - ZAKIVNA MATICA CILINDRIČNA GLAVA

M	ZN
4	○
5	○
6	○
8	○

L	E	D
11.0	0,3 - 2,5	9.0
13 (15,5)	0,5 - 3	10.0
15.0	0,5 - 3	12.0
17.0	0,5 - 3	14.0

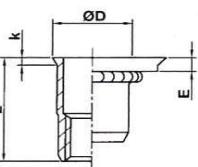
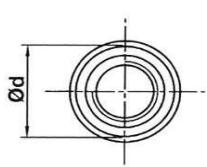
SVRDLO
6.1
7.1
9.1
11.1

DTS 103 U - ZAKIVNA MATICA UPUŠTENA GLAVA

M	ZN
4	○
5	○
6	○
8	○

L	E	D
11.0	1.5	10.0
15.0	1.5	11.0
17.0	1.5	13.0
17.0	1.5	16.0

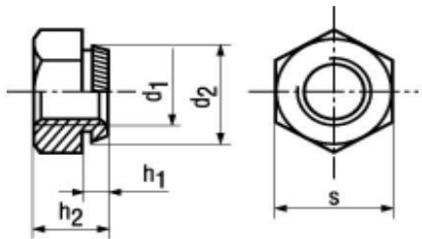
SVRDLO
6.1
7.1
9.1
11.1

DTS 103 MU - ZAKIVNA MATICA UPUŠTENA MALA GLAVA

M	ZN
4	○
5	○
6	○
8	○

L	E	D
12.0	0.6	6.9
14.0	0.6	7.9
17.0	0.6	9.9
18.0	0.6	12.0

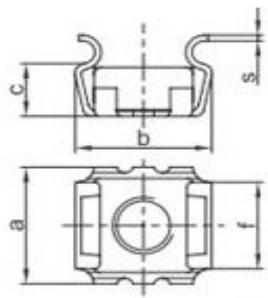
SVRDLO
6.1
7.1
9.1
11.1



M	ZN
8	○
10	○
12	○

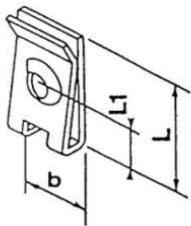
d₂	h₁	h₂	s
10.35	1.8	6.5	13
12.85	1.8	8.0	15
14.85	2.8	10.0	17

SVRDLO
10.0
12.5
14.5



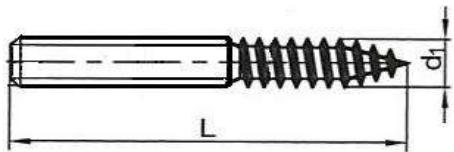
M	ZN
4	○
5	○
6	○
8	○
10	○

c	s	a	f
4.6	0.5	13.1	8.7
6.4	0.5	13.4	8.8
6.4	0.5	13.4	8.8
7.4	0.5	16.6	11.4
7.4	0.5	16.6	11.4



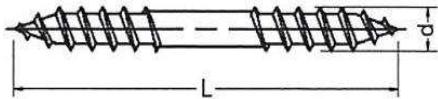
\varnothing	<i>FE</i>
2.9	○
3.5	○
3.9	○
4.2	○
4.8	○
5.5	○
6.3	○

<i>b</i>	<i>L</i>	<i>L</i>₁
15.8	18.0	11.5

DTS 107*Hangar vijak metal / drvo***ZN***Stockschrauben***A2***Hanger bolts***A4***Vitti di giunzione*

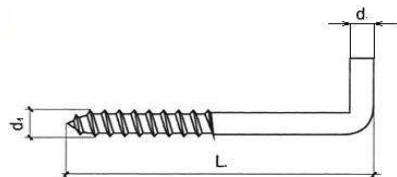
	M 6	M 8	M 10
d₁	6.5	8.5	10

<i>L \ D</i>	M 6	M 8	M 10
40	○	○	
50	○	○	
60	○	○	○
70	○	○	
80	○	○	○
90	○	○	
100	○	○	○
110		○	○
120	○	○	○
130		○	○
140		○	○
150		○	○
160		○	○
180		○	○
200	○	○	

DTS 108*Hangar vijak sa navojima za drvo***ZN***Stockschrauben**Hanger bolts**Vitti di giunzione*

	$\varnothing 6$	$\varnothing 8$
d	6.5	8.5
L		

L	$\varnothing 6$	$\varnothing 8$
D	○	○
60	○	○
70	○	○
80	○	○
90		○
100	○	

DTS 109*Zidna kuka sa navojem za drvo***ZN***Winkel Holzschrauben**Hook wood screws 90 degrees**Viti per legno a gancio ad angolo retto*

	$\varnothing 3$	$\varnothing 4$	$\varnothing 6$	$\varnothing 8$	$\varnothing 10$
d	2.4	3.4	4.6	7.0	8.9
d_1	3.2	4.3	6.0	8.3	9.8

$L \backslash D$	$\varnothing 3$	$\varnothing 4$	$\varnothing 6$	$\varnothing 8$	$\varnothing 10$
25	o				
30		o			
40		o			
50		o			
60	o		o		
70			o		
80			o	o	o
90			o	o	o
100				o	o

DTS 110

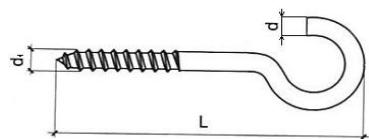
Luster kuka sa navojem za drvo

ZN

Haken Holzschrauben

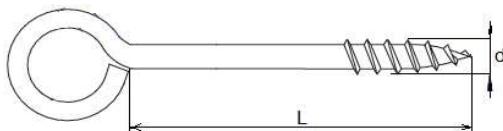
Hook wood screws

Viti per legno a gancio

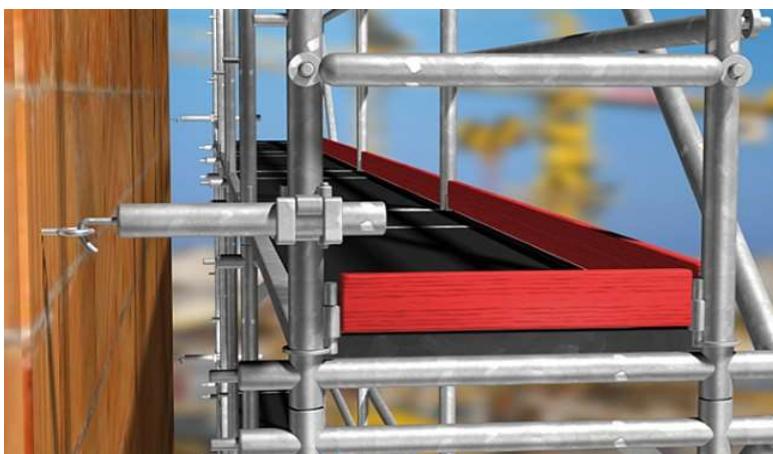


	$\varnothing 4$	$\varnothing 6$
d	3.2	4.6
d_1	4.3	6.0

$L \backslash D$	$\varnothing 4$	$\varnothing 6$
40	○	
50	○	
60	○	○
70	○	○
80		○
90		○
100		○
120		○

DTS 111*Očna kuka za oplate***ZN***Haken Holzschrauben**Hook wood screws**Viti per legno a gancio*

$L \backslash D$	$\varnothing 12$
160	○
190	○
230	○
300	○



DTS 112

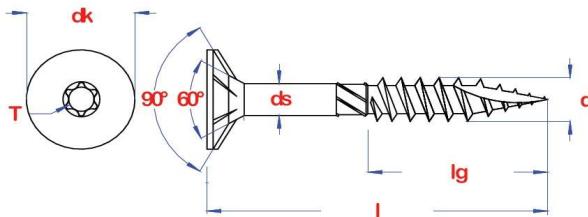
Vijak za drvo sa upuštenom torx glavom i predbušenjem tip P17

Holzschrauben SK-T frasrippen und P17

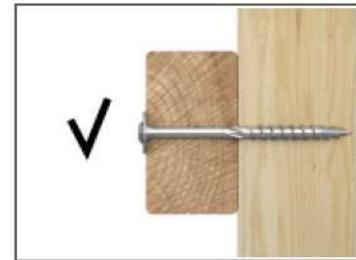
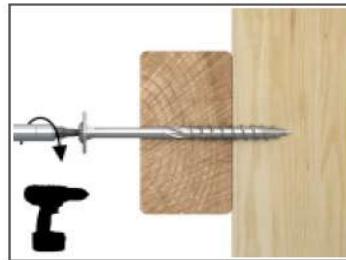
Wood screws CSK-T flutes and cutting point P17

ZN

A2



	$\varnothing 5$	$\varnothing 6$	$\varnothing 8$	$\varnothing 10$
d_k	10.0	12.0	14.0	18.0
d_s	3.60	4.45	5.90	7.15
l_g	32 - 60	70	80	80
T	T25	T30	T40	T40



$L \backslash D$	$\varnothing 5$	$\varnothing 6$	$\varnothing 8$	$\varnothing 10$
50	o			
60	o	o		
70	o	o		
80	o	o	o	
90	o	o	o	
100	o	o	o	o
120	o	o	o	o
140	o	o	o	o
160		o	o	o
180		o	o	o
200		o	o	o
220		o	o	o
240		o	o	o
260		o	o	o
280		o	o	o
300		o	o	o
320			o	o
340			o	o
360			o	o
380			o	o
400			o	o



DTS 113

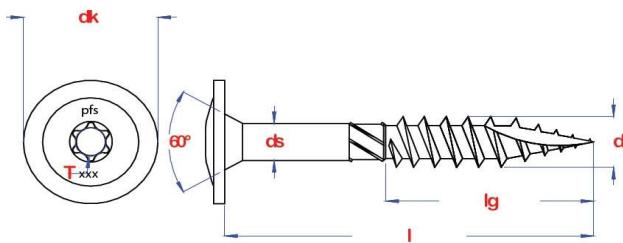
Vijak za drvo sa cilindričnom torx glavom i predbušenjem tip P17

ZN

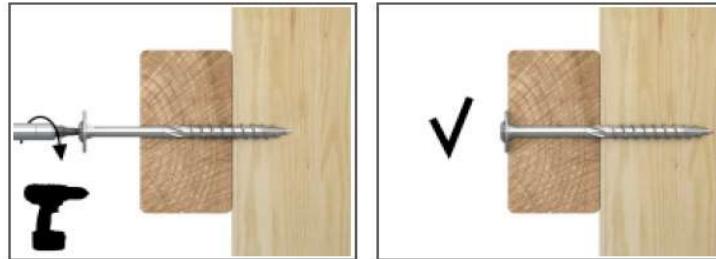
Tellerkopfschrauben-T P17 - frasrippen

A2

Flange head wood screws -T flutes and cutting point P17

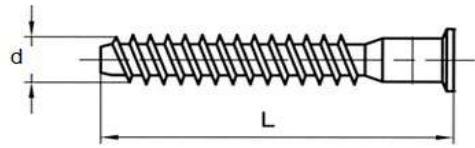


	$\varnothing 6$	$\varnothing 8$	$\varnothing 10$
d_k	12.0	14.0	18.0
d_s	4.45	5.90	7.15
l_g	70	80	80
T	T30	T40	T40

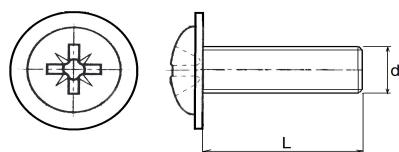


$L \backslash D$	$\varnothing 6$	$\varnothing 8$	$\varnothing 10$
60	o	o	
70	o		
80	o	o	
90	o	o	
100	o	o	o
120	o	o	o
140	o	o	o
160	o	o	o
180	o	o	o
200	o	o	o
220	o	o	o
240	o	o	o
260	o	o	o
280	o	o	o
300	o	o	o
320		o	o
340		o	o
360		o	o
380		o	o
400		o	o

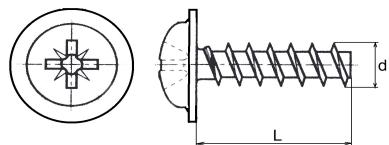




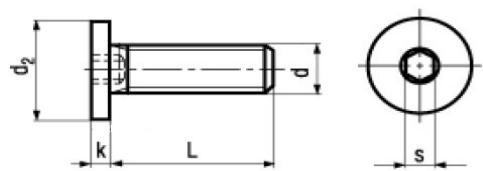
<i>L</i>	<i>D</i>	$\varnothing 7$
50		○
70		○



<i>L</i>	<i>D</i>	<i>M 4</i>	<i>M 6</i>
10		○	
12		○	
14		○	
16		○	
18		○	
20		○	
22		○	
25		○	
28		○	
30		○	○
32		○	
35		○	
38		○	
40		○	○
42		○	
45		○	



L	D	$\varnothing 4$
14		○
23		○
25		○
40		○



<i>L</i>	<i>D</i>
	M 6
30	○
40	○
45	○
50	○
60	○
70	○
80	○
90	○
50	○
100	○

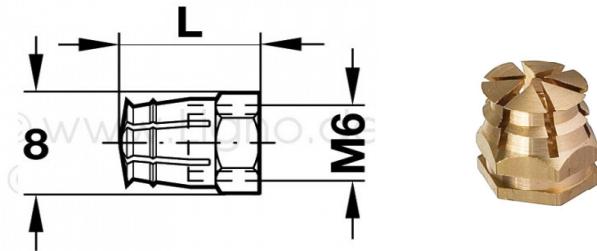
<i>d</i> ₂	<i>k</i>	<i>s</i>
16.5	2.3	4

DTS 118

Mesingana matica sa metričkim navojem za uprešavanje u ploče

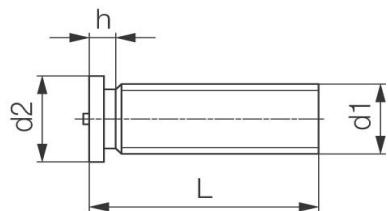
MS

- primjena kod topalit, werzalit, iveral i mdf ploča



<i>L</i>	<i>D</i>
	M 6
9	○
12	○

SVRDLO
8.0
8.0



	M 4	M 5	M 6	M 8
d₂	5.6	6.5	7.4	8.9
h	1.80	2.00	2.10	2.20

<i>L</i> \ <i>D</i>	M 4	M 5	M 6	M 8
8	○			
10	○	○		
12	○	○	○	
16	○	○	○	○
20	○	○	○	○
25		○	○	○
30		○	○	○
35			○	○
40			○	○
45		○	○	

BLISTER PROGRAM ZA MALOPRODAJE



Legenda etikete blistera:

1. Naziv proizvoda, standard, dimenzija, materijal
2. Oznaka cijene - zamjenjuje naknadno označavanje cijene blistera
3. Količina u blistru
4. EAN13 - bar code
5. Deklaracija