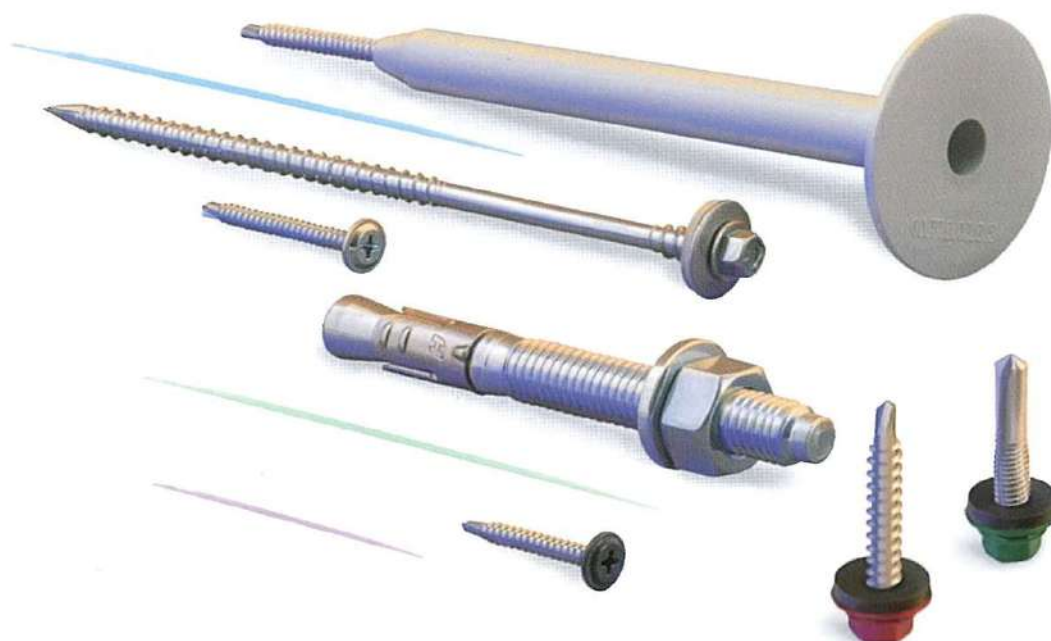


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web shop

KATALOG 2018.



Bülte

RAWLPLUG

TYROLIT

HÄFELE

fischer 
PRIČVRSNİ SUSTAVI

K₂

INDEX
FIXING SYSTEMS



SPAX®

SBE VARVIT

HAMAR®

EURO-TAPE®

Sadržaj kataloga :

Standardna vijčana roba i spojni pribor (DIN, ISO, HRN, UNI).....	1 - 51
Vanstandardna vijčana roba prema nacrtu (DTS).....	52 - 136
Fischer osnovni katalog pričvrstne tehnike.....	137 - 162
Eurotape katalog samoljepljivih traka	163 - 173

o oznaka dimenzija dostupnih sa lagera

Oznake materijala :

FE - sirovi čelik bez zaštite.

BR - sirovi čelik brunirani.

ZN - čelik sa galvanskom zaštitom debljine cinka od 5 - 30 µm.

ZN / RAL - čelik sa galvanskom zaštitom i dodatnom plastifikacijom u RAL boji.

VZN - čelik sa toplom galvanskom zaštitom debljine cinka od 50 - 190 µm.

BI - METAL - dvije kovine različitih temperaturnih koeficijenata međusobno zavarene.

PROTECT 1000™ - antikorozivni premaz otporan na vlagu i morske uvjete kategorije C4.

A2 / AISI 304 / W.Nr. 1.4301 - nehrđajući čelik sa dobrim svojstvima zavarivanja.

A4 / AISI 316 / W.Nr. 1.4401 - nehrđajući čelik visoke otpornosti na kiseline i lužine.

A5 / AISI 316 Ti / W.Nr. 1.4571 - nehrđajući čelik radne temperature do 400°C.

AL - aluminij je mekana i žilava kovina dobre toplinske i električne vodljivosti.

AL / RAL - aluminij sa dodatnom plastifikacijom u RAL boji.

MS - mjed ili mesing je slitina bakra i cinka dobrih mehaničkih svojstava i lake obradivosti.

CU - poluplemeniti metal bakar visoke provodljivosti topline i električne energije.

Naylon - industrijska plastika velike otpornosti na visoke temperature i rastezljivost.

Teflon / PTFE / Poliamid 6 - industrijska plastika sa vrlo dobrim mehaničkim svojstvima.

Polipropilen - plastika velike otpornosti prema kemikalijama sa mogućnošću zavarivanja.

Kvalitete i klase materijala vijaka :

4.6 - nisko ugljični čelik, tvrdoće po Rockwell-u B67 - 95.

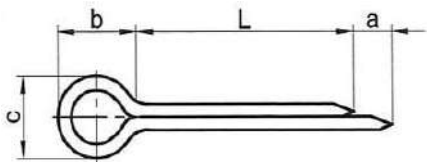
5.8 - srednje ugljični čelik, hladna obrada, tvrdoće po Rockwell-u B82 - 95.

8.8 - srednje ugljični čelik, ugašen i kaljen, tvrdoće po Rockwell-u C23 - 34.

10.9 - legirani čelik, ugašen i kaljen, tvrdoće po Rockwell-u C33 - 39.

12.9 - legirani čelik, ugašen i kaljen, tvrdoće po Rockwell-u C38 - 44.



HRN M.B2.300*Rascjepka***ZN****DIN 94****ISO 1234****UNI 1336**

d	Ø1,6	Ø2	Ø2,5	Ø3,2	Ø4	Ø5	Ø6,3	Ø8	Ø10	Ø13
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

$\frac{D}{L}$	Ø1,6	Ø2	Ø2,5	Ø3,2	Ø4	Ø5	Ø6,3	Ø8	Ø10	Ø13
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			
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	o	
71					o	o	o	o	o	
80						o	o	o	o	o
90						o	o	o	o	o
100							o	o	o	o
112								o	o	o
125								o	o	o
140								o	o	o

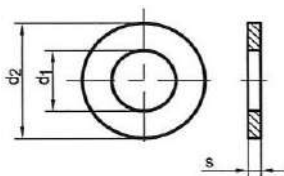
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1.

HRN M.B2.011
DIN 125
ISO 7089
UNI 6592

Podložna pločica
Scheiben
Flat washers
Rondelle plane

FE
ZN
VZN
A2
A4



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

<i>d₁</i>	<i>d₂</i>	<i>s</i>
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



DANTECH SOLUTIONS

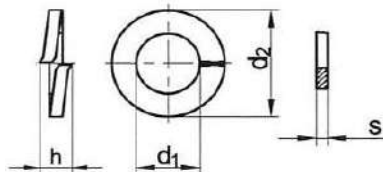
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HRN M.B2.110
DIN 127
ISO 4042
UNI 1751

Opružna podložna pločica
Federring glatt
Spring washers
Rondelle

FE
ZN
VZN
A2
A4



<i>M</i>	<i>ZN</i>
3	o
4	o
5	o
6	o
8	o
10	o
12	o
14	o
16	o
18	o
20	o
22	o
24	o
27	o
30	o
33	o
36	o

<i>d₁</i>	<i>d₂</i>	<i>s</i>	<i>h</i>
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



DANTECH SOLUTIONS

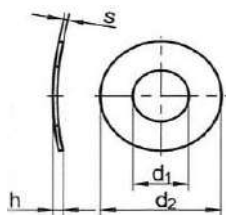
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HRN M.B2.136
DIN 137
ISO
UNI 8840

Valovita podložna pločica

FE
ZN



<i>M</i>	<i>ZN</i>
3	0
4	0
5	0
6	0
8	0
10	0

<i>d₁</i>	<i>d₂</i>	<i>s</i>	<i>h</i>
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



DANTECH SOLUTIONS

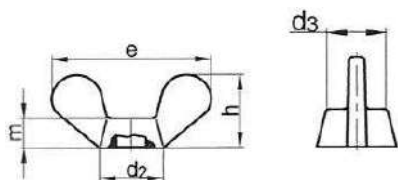
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HRN M.B1.680
DIN 315
ISO 5448
UNI 5448

Krilna matica
Flugelmuttern
Wing nuts
Dadi ad alette

ZN
A2
A4



" LJEVANA "

<i>M</i>	<i>ZN</i>
4	○
5	○
6	○
8	○
10	○
12	○

<i>e</i>	<i>h</i>	<i>m</i>	<i>d₂</i>	<i>d₃</i>
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 "

<i>M</i>	<i>ZN</i>
4	○
5	○
6	○
8	○
10	○
12	○

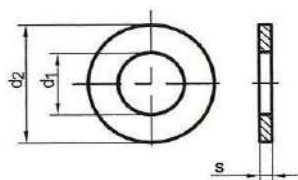
<i>e</i>	<i>h</i>	<i>m</i>	<i>d₂</i>
18.5	8.8	3.0	7.8
22.0	10.5	4.0	9.5
26.8	12.9	4.9	11.9
30.3	14.8	5.4	13.5
35.3	17.3	6.3	15.3
47.5	22.5	7.9	20.5



HRN M.B2.013
DIN 433
ISO 7092
UNI 6592

Podložna pločica
Scheiben
Flat washers
Rosette piane

ZN



<i>M</i>	<i>ZN</i>
3	o
4	o
5	o
6	o
8	o
10	o
12	o
14	o
16	o
18	o
20	o

<i>d₁</i>	<i>d₂</i>	<i>s</i>
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



DANTECH SOLUTIONS

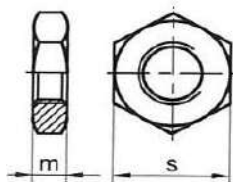
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HRN M.B1.604
DIN 439
ISO 4035
UNI 5590

Šesterokutna niska matica

ZN



<i>M</i>	<i>ZN</i>
3	o
4	o
5	o
6	o
8	o
10	o
12	o
14	o
16	o
18	o
20	o
22	o
24	o
27	o
30	o

<i>m</i>	<i>s</i>
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



DANTECH SOLUTIONS

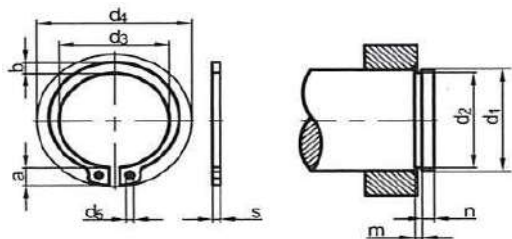
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HRN M.C2.401
DIN 471
ISO
UNI 7435

Uskočnik vanjski

FE



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



DANTECH SOLUTIONS

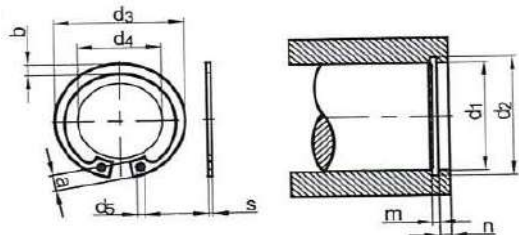
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www.e-zeljezara.eu

HRN M.C2.400
DIN 472
ISO
UNI 7437

Uskočnik unutarnji

FE



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	1.0	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



DANTECH SOLUTIONS

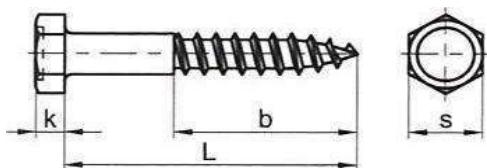
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HRN M.B1.500
DIN 571
ISO 8735
UNI 704

Vijak za drvo sa šesterobridnom glavom
Sechskant Holzschrauben
Hexagon head wood screws
Viti per legno a testa esagonale

ZN
A2
A4



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

$\frac{D}{L}$	Ø5	Ø6	Ø8	Ø10	Ø12
20	o	o			
25	o	o			
30	o	o	o	o	
35	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
70		o	o	o	o
80		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	o	o
140		o	o	o	o
150			o	o	o
160			o	o	o
180			o	o	o
200			o	o	o



HRN M.B1.171
DIN 603
ISO 8677
UNI 5732

Torban vijak

Flachrundsrauben mit Vierkantsatz

Round head square neck bolts

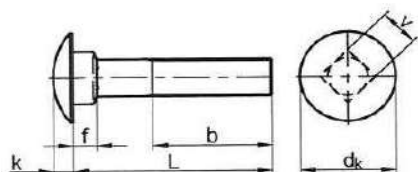
Bulloni a testa tonda

FE

ZN

A2

A4



d	M 5	M 6	M 8	M 10	M 12
d _k	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

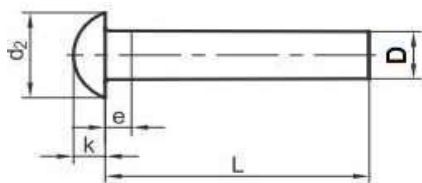
$\begin{matrix} D \\ L \end{matrix}$	M 5	M 6	M 8	M 10	M 12
16	o	o	o		
20	o	o	o	o	
25	o	o	o	o	o
30	o	o	o	o	o
35	o	o	o	o	o
40	o	o	o	o	o
45	o	o	o	o	o
50	o	o	o	o	o
55	o	o	o	o	o
60	o	o	o	o	o
65	o	o	o	o	o
70	o	o	o	o	o
75	o	o	o	o	o
80	o	o	o	o	o
90		o	o	o	o
100		o	o	o	o
110		o	o	o	o
120		o	o	o	o
130			o	o	
140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



HRN M.B3.011
DIN 660
ISO 1051
UNI 748

Zakovica sa poluokruglom glavom

FE
AL
CU



d	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
d ₂	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

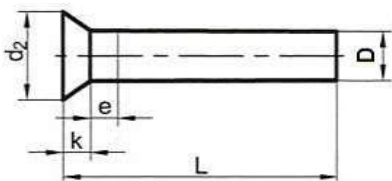
$\frac{D}{L}$	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
4	o						
5	o	o					
6	o	o	o	o			
8	o	o	o	o			
10	o	o	o	o	o		
12		o	o	o	o		
16		o	o	o	o	o	o
18		o	o	o	o	o	o
20		o	o	o	o	o	o
22		o	o	o	o	o	o
25		o	o	o	o	o	o
30		o	o	o	o	o	o
32			o	o	o	o	o
35			o	o	o	o	o
40			o	o	o	o	o
45			o	o	o	o	o
50			o	o	o	o	o
55				o	o	o	o
60				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.B3.012
DIN 661
ISO 1051
UNI

Zakovica sa upuštenom glavom

FE
AL
CU



d	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
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

$\frac{D}{L}$	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
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
DIN 912
ISO 4762
UNI 5931

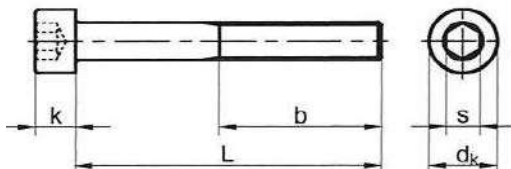
Imbus vijak

Zylinderschrauben mit Innensechskant

Hexagonal Socket Head Caps Screws

Viti a Testa Cava Con Esagono Incassato

FE
ZN
A2
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

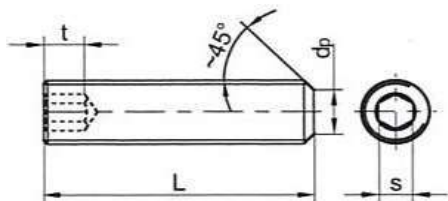
$\begin{matrix} D \\ L \end{matrix}$	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 24
8	o	o	o								
10	o	o	o	o							
12	o	o	o	o	o						
16	o	o	o	o	o	o					
20	o	o	o	o	o	o					
25	o	o	o	o	o	o	o	o			
30	o	o	o	o	o	o	o	o	o	o	
35	o	o	o	o	o	o	o	o	o	o	
40	o	o	o	o	o	o	o	o	o	o	o
45	o	o	o	o	o	o	o	o	o	o	o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



HRN M.B1.270
DIN 913 / 45H
ISO 4026
UNI 5923

Uvrtni imbus vijak sa ravnim završetkom

FE
ZN



	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

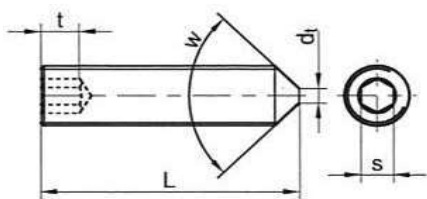
$\begin{matrix} D \\ L \end{matrix}$	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
3	o										
4	o	o	o								
5	o	o	o	o							
6	o	o	o	o	o						
8	o	o	o	o	o	o					
10	o	o	o	o	o	o	o				
12	o	o	o	o	o	o	o				
14	o	o	o	o	o	o	o				
16	o	o	o	o	o	o	o	o	o		
18	o	o	o	o	o	o	o	o	o		
20	o	o	o	o	o	o	o	o	o	o	o
25		o	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	o	o	o	o
50				o	o	o	o	o	o	o	o
60				o	o	o	o		o	o	o
70					o	o	o		o	o	o
80					o	o	o		o	o	o
90						o	o		o	o	o
100						o	o		o		o



HRN M.B1.271
DIN 914 / 45H
ISO 4027
UNI 5927

Uvrtni imbus vijak sa konusnim završetkom

FE
ZN



	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

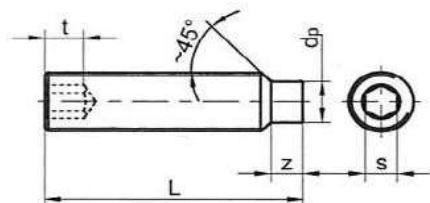
D L	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
3	o										
4	o	o	o								
5	o	o	o	o							
6	o	o	o	o	o						
8	o	o	o	o	o	o					
10	o	o	o	o	o	o	o				
12	o	o	o	o	o	o	o	o			
14	o	o	o	o	o	o	o	o			
16	o	o	o	o	o	o	o	o	o		
18	o	o	o	o	o	o	o	o	o	o	
20	o	o	o	o	o	o	o	o	o	o	o
25		o	o	o	o	o	o	o	o	o	o
30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



HRN M.B1.272
DIN 915 / 45H
ISO 4028
UNI 5925

Uvrtni imbus vijak sa manjim cilindričnim završetkom

FE
ZN



	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

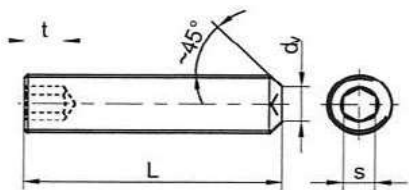
$\begin{matrix} D \\ L \end{matrix}$	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
3	o										
4	o	o	o								
5	o	o	o	o							
6	o	o	o	o	o						
8	o	o	o	o	o	o					
10	o	o	o	o	o	o	o				
12	o	o	o	o	o	o	o				
14	o	o	o	o	o	o	o				
16	o	o	o	o	o	o	o		o		
18	o	o	o	o	o	o	o		o		
20	o	o	o	o	o	o	o	o	o	o	
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		o	o	o
50				o	o	o	o		o	o	o
60					o	o	o		o	o	o
70					o	o	o		o	o	o
80					o	o	o		o	o	o
90										o	o
100											o



HRN M.B1.273
DIN 916 / 45H
ISO 4029
UNI 5929

Uvrtni imbus vijak sa stožasto upuštenim završetkom

FE
ZN



	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

D L	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				
14	o	o	o	o	o	o	o				
16	o	o	o	o	o	o	o		o		
18	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	o	o	o	o
50				o	o	o	o	o	o	o	o
60					o	o	o		o	o	o
70					o	o	o		o	o	o
80					o	o	o		o	o	o
90						o	o		o	o	o
100						o	o		o		o



HRN M.B1.051
DIN 931
ISO 4014
UNI 5737

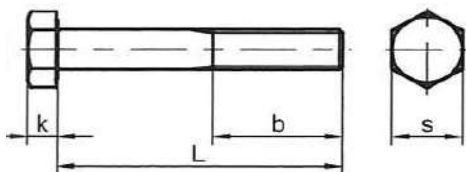
Vijak sa šesterobridnom glavom i navojem do pola

Sechskantschraube Mit Schaft Regel Gewinde

High Tensile Metric Hexagonal Bolts Course Threaded

Viti a testa esagonale con gambo parzialmente filettato a passo grosso

FE
ZN
VZN
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

$\begin{matrix} D \\ L \end{matrix}$	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	o	o	o	o								
35	o	o	o	o								
40	o	o	o	o	o	o						
45		o	o	o	o	o						
50		o	o	o	o	o	o	o				
55			o	o	o	o	o	o				
60			o	o	o	o	o	o	o	o		
65			o	o	o	o	o	o	o	o		
70			o	o	o	o	o	o	o	o	o	
75			o	o	o	o	o	o	o	o	o	o
80			o	o	o	o	o	o	o	o	o	o
85			o	o	o	o	o	o	o	o	o	o
90			o	o	o	o	o	o	o	o	o	o
95			o	o	o	o	o	o	o	o	o	o
100			o	o	o	o	o	o	o	o	o	o
110				o	o	o	o	o	o	o	o	o
120				o	o	o	o	o	o	o	o	o
130					o	o	o	o	o	o	o	o
140					o	o	o	o	o	o	o	o
150					o	o	o	o	o	o	o	o
160					o	o	o	o	o	o	o	o
170						o	o	o	o	o	o	o
180						o	o	o	o	o	o	o
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HRN M.B1.053
DIN 933
ISO 4017
UNI 5739

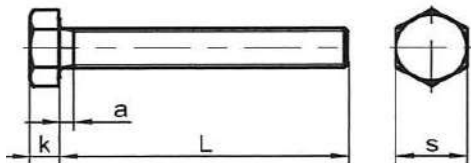
Vijak sa šesterobridnom glavom i navojem do glave

Sechskantschrauben Mit Gewinde Bis Kopf Regal Gewinde

High Tensile Metric Setscrews Course Threaded

Viti a testa esagonale

FE
ZN
VZN
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

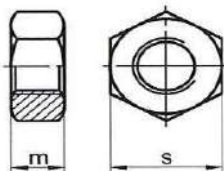
$\begin{matrix} D \\ L \end{matrix}$	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22	M 24
6	o	o	o									
8	o	o	o									
10	o	o	o	o								
12	o	o	o	o	o							
16	o	o	o	o	o	o						
20	o	o	o	o	o	o						
25	o	o	o	o	o	o	o	o				
30	o	o	o	o	o	o	o	o	o	o	o	o
35	o	o	o	o	o	o	o	o	o	o	o	o
40	o	o	o	o	o	o	o	o	o	o	o	o
45		o	o	o	o	o	o	o	o	o	o	o
50		o	o	o	o	o	o	o	o	o	o	o
55		o	o	o	o	o	o	o	o	o	o	o
60		o	o	o	o	o	o	o	o	o	o	o
65		o	o	o	o	o	o	o	o	o	o	o
70		o	o	o	o	o	o	o	o	o	o	o
75			o	o	o	o	o	o	o	o	o	o
80			o	o	o	o	o	o	o	o	o	o
85			o	o	o	o	o	o	o	o	o	o
90			o	o	o	o	o	o	o	o	o	o
95			o	o	o	o	o	o	o	o	o	o
100			o	o	o	o	o	o	o	o	o	o
110						o	o	o	o	o	o	o
120						o	o	o	o	o	o	o



HRN M.B1.601
DIN 934
ISO 4032
UNI 5588

Šesterokutna matica
Sechskant muttern
Hexagonal Nuts
Dadi esagonali

FE
ZN
VZN
A2
A4



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

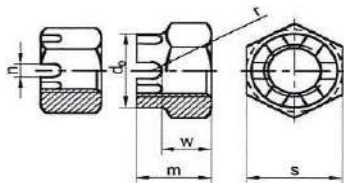
m	s
2.4	5.5
3.2	7.0
4.0	8.0
5.0	10.0
6.5	13.0
8.0	17.0
10.0	19.0
11.0	22.0
13.0	24.0
15.0	27.0
16.0	30.0
18.0	32.0
19.0	36.0
22.0	41.0
24.0	46.0
26.0	50.0
29.0	55.0
31.0	60.0
34.0	65.0
36.0	70.0
38.0	75.0



HRN M.B1.630
DIN 935
ISO 7035
UNI 5593

Šesterokutna krunasta matica
Kronenmuttern
Hex castle nuts
Dadi ad intagli

ZN



<i>M</i>	<i>ZN</i>
8	o
10	o
12	o
16	o
20	o

<i>d_{max}</i>	<i>m</i>	<i>n_{min}</i>	<i>s</i>	<i>w</i>
	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



DANTECH SOLUTIONS

dantech@net.amis.hr

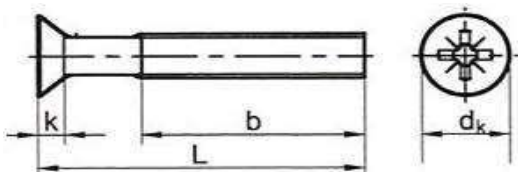
www.e-zeljezara.eu

22.

HRN M.B1.136
DIN 965
ISO 7046
UNI 7688

Vijak s upuštenom glavom i križnim utorom PH
Senkschrauben mit Kreuzschlitz
Philips cross recessed flat head machine screws
Viti a testa svasata piana

FE
ZN
A2
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

$\begin{matrix} D \\ L \end{matrix}$	M 3	M 4	M 5	M 6	M 8	M 10
5	o					
6	o	o				
8	o	o	o	o		
10	o	o	o	o		
12	o	o	o	o	o	
16	o	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	o
50		o	o	o	o	o
55			o	o	o	
60			o	o	o	
70			o	o	o	
80			o	o	o	



HRN M.B1.144
DIN 966
ISO 7047
UNI 7689

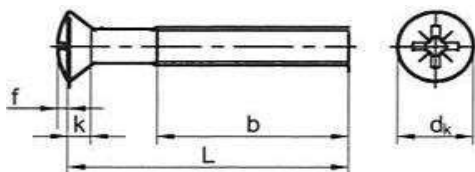
Vijak s lečastom glavom i križnim utorom PH

Linsenschrauben mit Kreuzschlitz

Phillips cross recessed oval head machine screws

Viti a testa svasata con calotta

FE
ZN
A2
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

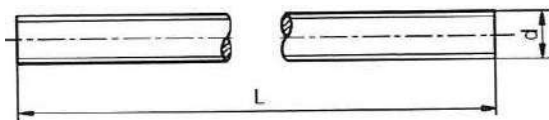
D L	M 3	M 4	M 5	M 6	M 8
5	o				
6	o	o			
8	o	o	o		
10	o	o	o	o	
12	o	o	o	o	
16	o	o	o	o	o
20	o	o	o	o	o
25	o	o	o	o	o
30	o	o	o	o	o
35	o	o	o	o	o
40	o	o	o	o	o
45			o	o	o
50			o	o	o



HRN
DIN 976
ISO
UNI 6610

Navojna šipka
Gewindestangen
Threaded rod
Barra filettate

FE
ZN
A2
A4



5.8

$M \backslash L$	1000	2000	3000
4	o		
5	o		
6	o		
8	o	o	o
10	o	o	o
12	o	o	o
14	o	o	o
16	o	o	o
18	o		
20	o		
22	o		
24	o		
27	o		
30	o		

8.8

$M \backslash L$	1000
4	o
5	o
6	o
8	o
10	o
12	o
14	o
16	o
18	o
20	o
22	o
24	o
27	o
30	o
33	o
36	o

10.9

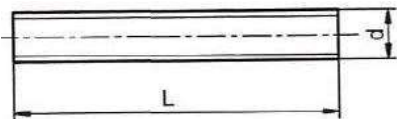
$M \backslash L$	1000
8	o
10	o
12	o
14	
16	o
18	
20	o
22	
24	o
27	o
30	o



HRN
DIN 976
ISO
UNI 6610

Navojnik
Gewindestangen
Threaded rod
Barra filettate

FE
ZN
A2



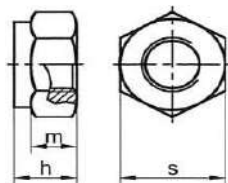
L \ D	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22	M 24
40	o									
45	o									
50	o	o								
55	o	o								
60	o	o	o							
70	o	o	o							
80	o	o	o	o						
90	o	o	o	o						
100	o	o	o	o	o	o	o	o		
110	o	o	o	o						
120	o	o	o	o	o	o				
130	o	o	o	o						
140	o	o	o	o	o	o				
150	o	o	o	o			o	o	o	o
160		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				
270			o	o						
280			o	o	o	o				
290			o	o						
300			o	o	o	o	o	o	o	o
350				o	o	o	o	o	o	o
400				o	o	o	o	o	o	o
450				o	o	o	o	o	o	o
500				o	o	o	o	o	o	o



HRN
DIN 985
ISO 10511
UNI 7474

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

ZN
A2
A4



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

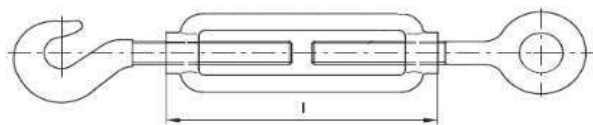
h_{max}	m_{min}	s
4.0	2.4	5.5
5.0	2.9	7.0
5.0	3.2	8.0
6.0	4.0	10.0
8.0	5.5	13.0
10.0	6.5	17.0
12.0	8.0	19.0
14.0	9.5	22.0
16.0	10.5	24.0
18.5	13.0	27.0
20.0	14.0	30.0
22.0	15.0	32.0
24.0	15.0	36.0
27.0	17.0	41.0
30.0	19.0	46.0



HRN
DIN 1480 O/K
ISO
UNI

Natezni vijak, oko-kuka

ZN



<i>M</i>	<i>ZN</i>	<i>l</i>
6	o	110
8	o	110
10	o	125
12	o	125
14	o	140
16	o	170
20	o	200
24	o	255
30	o	255
36	o	295



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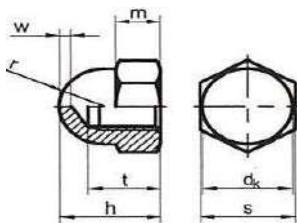
dantech@net.amis.hr

www.e-zeljezara.eu

HRN M.B1.628
DIN 1587
ISO
UNI 5721

Slijepa matica
Hutmuttern
Hex domed nuts
Hex domed nuts

ZN
A2
A4



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

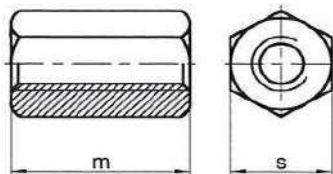
m_{max}	r	s	t_{min}	w_{min}
3.20	3.25	7.00	5.26	2.00
4.00	3.75	8.00	7.21	2.00
5.00	4.75	10.00	7.21	2.00
6.50	6.25	13.00	10.65	2.00
8.00	7.50	17.00	12.65	2.00
10.00	8.50	19.00	15.65	3.00
11.00	10.00	22.00	17.65	4.00
13.00	11.50	24.00	20.58	4.00
16.00	14.00	30.00	25.58	5.00



HRN
DIN 6334
ISO
UNI 5535

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

ZN



<i>M</i>	<i>ZN</i>
6	o
8	o
10	o
12	o
16	o
20	o

<i>m</i>	<i>s</i>
18.00	10.00
24.00	13.00
30.00	17.00
36.00	19.00
48.00	24.00
60.00	30.00



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HRN M.B2.150
DIN 6797
ISO
UNI 8841 A

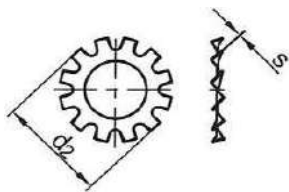
Zupčasta podložna pločica, oblik A

Zahnscheiben

Toothed lock washers

Rosette elastiche piane

ZN



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

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



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HRN M.B2.151
DIN 6798
ISO
UNI 8842 A

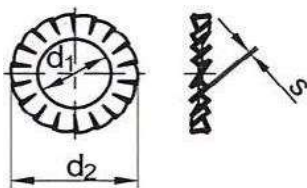
Zupčasta podložna pločica, oblik A

Facherscheiben

Serrated lock washers

Rosette elastiche piane

ZN



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

d₁	d₂	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



DANTECH SOLUTIONS

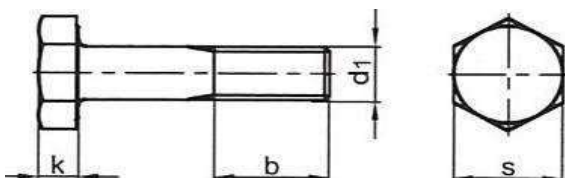
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HRN M.B1.066
DIN 6914
ISO 7412
UNI 5712

HV - vijak sa šesterobridnom glavom i navojem do pola
HV - schrauben
HV - heavy hex structural bolts
HV - viti a testa esagonale larga

FE
ZN
VZN



	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

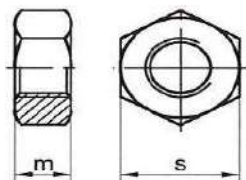
$\begin{matrix} D \\ L \end{matrix}$	M 12	M 16	M 20	M 24	M 27	M 30
30	o					
35	o	o				
40	o	o	o			
45	o	o	o			
50	o	o	o	o		
55	o	o	o	o		
60	o	o	o	o	o	
65		o	o	o	o	
70		o	o	o	o	o
75		o	o	o	o	o
80		o	o	o	o	o
85		o	o	o	o	o
90		o	o	o	o	o
95		o	o	o	o	o
100		o	o	o	o	o
105			o	o	o	o
110			o	o	o	o
115			o	o	o	o
120			o	o	o	o
125				o	o	o
130				o	o	o



HRN M.B1.629
DIN 6915
ISO 7414
UNI 5713

HV - šesterokutna matica
HV - sechskantmuttern
HV - hexagon nuts
HV - dadi esagonalni

FE
ZN
VZN



<i>M</i>	<i>ZN</i>
12	○
16	○
20	○
22	○
24	○
27	○
30	○

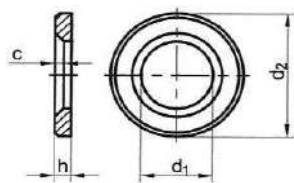
<i>m</i>	<i>s</i>
10.00	22.00
13.00	27.00
16.00	32.00
18.00	36.00
20.00	41.00
22.00	46.00
24.00	50.00



HRN M.B1.030
DIN 6916
ISO 7418
UNI 5714

HV - podložna pločica
HV - scheiben
HV - flat washers
HV - rosette

FE
ZN
VZN



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

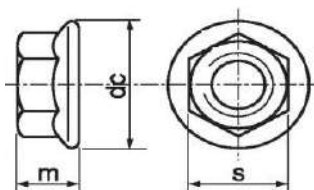
d₁	d₂	h	c_{min}
13.00	24.00	3.00	1.60
17.00	30.00	4.00	1.60
21.00	37.00	4.00	2.00
23.00	39.00	4.00	2.00
25.00	44.00	4.00	2.00
28.00	50.00	5.00	2.50
31.00	56.00	5.00	2.50



HRN
DIN 6923
ISO 4161
UNI

Šesterokutna matica sa prirubnicom

ZN



M	ZN
4	o
5	o
6	o
8	o
10	o
12	o

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



DANTECH SOLUTIONS

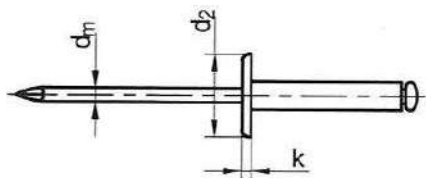
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**HRN
DIN 7337
ISO 15983
UNI 9200**

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

**FE
AL
AL / RAL
CU
A2**



FE

	Ø3,2	Ø4,0	Ø4,8
d₂	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	o	o	
8	o	o	o
10	o	o	o
12	o	o	o
14		o	o
16		o	o
18		o	o
20		o	o

CU

	Ø3,0	Ø3,2	Ø4,0
d₂	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	o		
6	o	o	o
7		o	
8	o	o	o
9		o	o
10	o	o	o
11	o	o	o
12	o		o

A2

	Ø3,2	Ø4,0
d₂	6.5	6.5
d_m	2	2
k	1	1
SVRDLO	3.1	3.3

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

AL

	Ø3,2	Ø4,0	Ø4,8
d₂	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	o	o	o
8	o	o	o
10	o	o	o
12	o	o	o
14	o	o	o
16	o	o	o
18		o	o
20		o	o

AL ŠIROKA

	Ø4,8
d₂	16
d_m	2.95
k	1.3
SVRDLO	4.9

L \ D	Ø4,8
12	o
14	o
18	o
20	o

AL / RAL

	Ø3,2	Ø4,0
d₂	6.5	8
d_m	2	2.45
k	1	1.2
SVRDLO	3.3	4.1

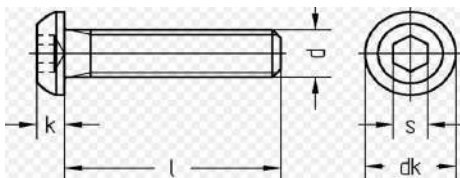
L \ D	Ø3,2	Ø4,0
8	o	o
10	o	o



HRN
DIN
ISO 7380
UNI

Imbus vijak za ravnom lečastom glavom
Linsenkopfschrauben mit innensechskant
Hexagon socket button head screws
Viti a testa bombata con cava esagonale

ZN



	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

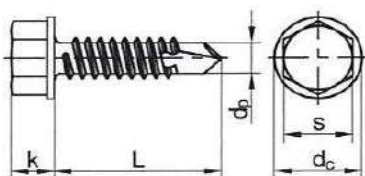
D L	M 4	M 5	M 6	M 8	M 10	M 12
6	o	o				
8	o	o				
10	o	o	o	o		
12	o	o	o	o		
16	o	o	o	o		
20	o	o	o	o	o	o
25	o	o	o	o	o	o
30		o	o	o	o	o
35		o	o	o	o	o
40		o	o	o	o	o
45				o	o	o
50				o	o	o



HRN
DIN 7504 K
ISO 15480
UNI 8117

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

ZN
A2



	Ø3,5	Ø3,9	Ø4,2	Ø4,8	Ø5,5	Ø6,3
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

$\begin{matrix} D \\ L \end{matrix}$	Ø3,5	Ø3,9	Ø4,2	Ø4,8	Ø5,5	Ø6,3
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



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HRN
DIN 7504 N
ISO 15481
UNI 8118

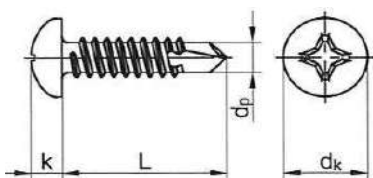
Samobušerći vijak sa cilindričnom PH križnom glavom

ZN

Linsen Bohrschrauben

Philips cros recessed pan head self drilling screws

Viti autoperforanti a testa bombata



	Ø3,5	Ø3,9	Ø4,2	Ø4,8	Ø5,5	Ø6,3
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

$\begin{matrix} D \\ L \end{matrix}$	Ø3,5	Ø3,9	Ø4,2	Ø4,8	Ø5,5	Ø6,3
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



DANTECH SOLUTIONS

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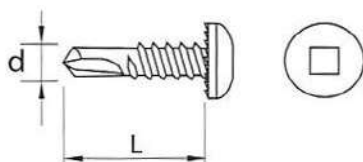
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HRN
DIN 7504 NHC
ISO
UNI

Samobušerči vijak sa cilindričnom firkant glavom

ZN

Self drilling screws pan head with serration



	Ø4,2
za lim max.	2.25
d _p	3.5
k	3
f	3

$\begin{matrix} D \\ L \end{matrix}$	Ø4,2
13	o
16	o
19	o
25	o
32	o



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HRN
DIN 7504 P
ISO 15482
UNI 8119

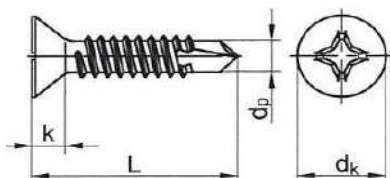
Samobušerći vijak sa cilindričnom upuštenom PH križnom glavom

ZN

Senk Bohrschrauben

Philips cross recessed flat head self drilling screws

Viti autoperforanti a testa svasata piana



	Ø3,5	Ø3,9	Ø4,2	Ø4,8	Ø5,5	Ø6,3
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

$\begin{matrix} D \\ L \end{matrix}$	Ø3,5	Ø3,9	Ø4,2	Ø4,8	Ø5,5	Ø6,3
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



DANTECH SOLUTIONS

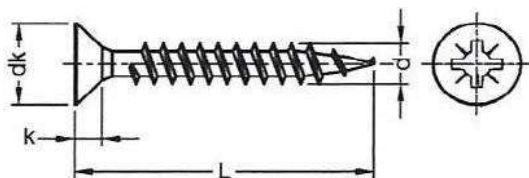
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HRN
DIN 7505
ISO
UNI

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



	Ø3,0	Ø3,5	Ø4,0	Ø4,5	Ø5,0	Ø6,0
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

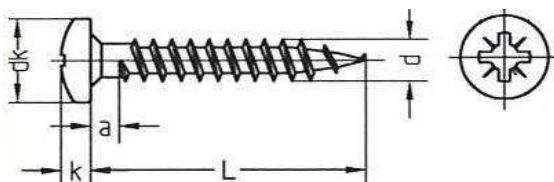
D L	Ø3,0	Ø3,5	Ø4,0	Ø4,5	Ø5,0	Ø6,0
10	o					
12	o	o				
16	o	o	o	o		
20	o	o	o	o	o	
25	o	o	o	o	o	
30	o	o	o	o	o	o
35	o	o	o	o	o	o
40	o	o	o	o	o	o
45	o	o	o	o	o	o
50		o	o	o	o	o
60			o	o	o	o
70			o	o	o	o
80				o	o	o
90					o	o
100					o	o
110					o	o
120					o	o
130						o
140						o
150						o
160						o
180						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



	Ø3,0	Ø3,5	Ø4,0	Ø4,5	Ø5,0	Ø6,0
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

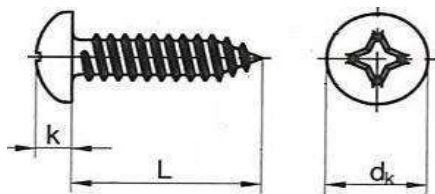
D L	Ø3,0	Ø3,5	Ø4,0	Ø4,5	Ø5,0	Ø6,0
12	o					
16	o	o	o	o	o	
20	o	o	o	o	o	o
25	o	o	o	o	o	o
30	o	o	o	o	o	o
35		o	o	o	o	o
40		o	o	o	o	o
45			o	o	o	o
50			o	o	o	o
60			o	o	o	o
70					o	o
80					o	o
90					o	o
100						o



HRN M.B1.466
DIN 7981
ISO 7049
UNI 6954

Vijak za lim sa cilindričnom PH križnom glavom
Linsen Blechschrauben
Philips cross recessed pan head tapping screws
Viti autofilettanti a testa bombata

ZN
A2
A4



	Ø2,9	Ø3,5	Ø3,9	Ø4,2	Ø4,8	Ø5,5	Ø6,3
dk	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

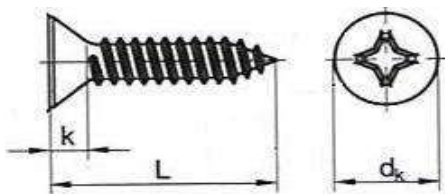
D L	Ø2,9	Ø3,5	Ø3,9	Ø4,2	Ø4,8	Ø5,5	Ø6,3
6.5	o	o	o				
9.5	o	o	o	o	o		
13	o	o	o	o	o	o	o
16	o	o	o	o	o	o	o
19	o	o	o	o	o	o	o
22	o	o	o	o	o	o	o
25	o	o	o	o	o	o	o
32	o	o	o	o	o	o	o
38		o	o	o	o	o	o
45		o	o	o	o	o	o
50				o	o	o	o
60				o	o	o	o
70				o	o	o	o
80					o	o	o
90							o



HRN M.B1.465
DIN 7982
ISO 7050
UNI 6955

Vijak za lim sa upuštenom PH križnom glavom
Senk Blechschrauben
Phillips cross recessed flat head tapping screws
Viti autofilettanti a testa svasata piana

ZN
A2
A4



	Ø2,9	Ø3,5	Ø3,9	Ø4,2	Ø4,8	Ø5,5	Ø6,3
dk	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

D L	Ø2,9	Ø3,5	Ø3,9	Ø4,2	Ø4,8	Ø5,5	Ø6,3
6.5	o	o	o				
9.5	o	o	o	o	o		
13	o	o	o	o	o	o	
16	o	o	o	o	o	o	o
19	o	o	o	o	o	o	o
22	o	o	o	o	o	o	o
25	o	o	o	o	o	o	o
32	o	o	o	o	o	o	o
38		o	o	o	o	o	o
45				o	o	o	o
50				o	o	o	o
60				o	o	o	o
70				o	o	o	o
80					o	o	o



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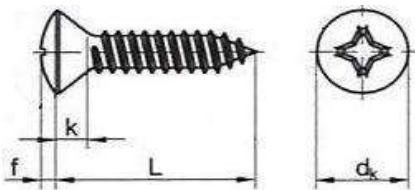
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HRN M.B1.467
DIN 7983
ISO 7051
UNI 6956

Vijak za lim sa upuštenom lećastom PH križnom glavom
Senk Blechschräuben
Phillips cross recessed flat head tapping screws
Viti autofilettanti a testa svasata piana

ZN
A2
A4



	Ø2,9	Ø3,5	Ø3,9	Ø4,2	Ø4,8	Ø5,5	Ø6,3
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

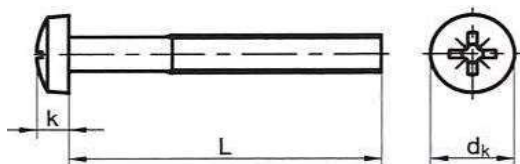
D L	Ø2,9	Ø3,5	Ø3,9	Ø4,2	Ø4,8	Ø5,5	Ø6,3
9.5	o	o	o	o	o		
13	o	o	o	o	o	o	
16	o	o	o	o	o	o	o
19	o	o	o	o	o	o	o
22	o	o	o	o	o	o	o
25	o	o	o	o	o	o	o
32		o	o	o	o	o	o
38			o	o	o	o	o
45				o	o	o	o
50				o	o	o	o



HRN M.B1.118
DIN 7985
ISO 14583
UNI 7687

Vijak sa cilindričnom PH križnom glavom
Linsenschrauben mit Kreuzschlitz
Philips cross recessed pan head machine screws
Viti a testa cilindrica con calotta

ZN
A2



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

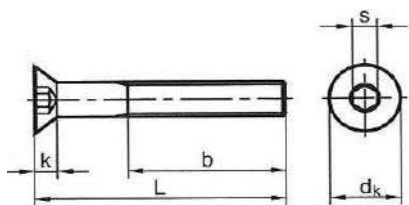
$\begin{matrix} D \\ L \end{matrix}$	M 3	M 4	M 5	M 6
4	o			
5	o	o		
6	o	o	o	
8	o	o	o	o
10	o	o	o	o
12	o	o	o	o
14	o	o	o	o
16	o	o	o	o
18	o	o	o	o
20	o	o	o	o
25	o	o	o	o
30	o	o	o	o
35		o	o	o
40		o	o	o
45			o	o
50			o	o
55			o	o
60			o	o
65			o	o
70			o	o



HRN M.B1.126
DIN 7991
ISO 10642
UNI 5933

Imbus vijak sa upuštenom glavom
Senkschrauben
Socket flat head screws
Viti a testa svasata piana

FE
ZN
A2



	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

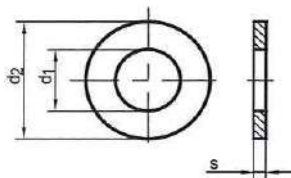
L \ D	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20	M 24
6	o	o	o								
8	o	o	o	o							
10	o	o	o	o	o						
12	o	o	o	o	o						
16	o	o	o	o	o	o					
18	o	o	o	o	o	o					
20	o	o	o	o	o	o	o				
25	o	o	o	o	o	o	o		o		
30	o	o	o	o	o	o	o	o	o		
35				o	o	o	o	o	o	o	
40				o	o	o	o	o	o	o	o
45				o	o	o	o	o	o	o	o
50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



HRN M.B2.014
DIN 9021
ISO 7093
UNI 6593

Široka podložna pločica
Scheiben
Flat washers
Rosette

ZN
A2
A4



<i>M</i>	<i>ZN</i>
3	o
4	o
5	o
6	o
8	o
10	o
12	o
14	o
16	o
18	o
20	o
24	o

<i>d₁</i>	<i>d₂</i>	<i>s</i>
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



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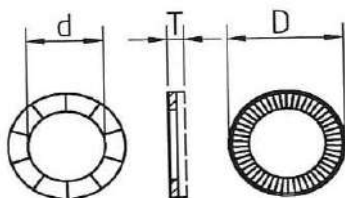
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HRN
DIN 25201
ISO
UNI

Samoosiguravajuća podloška NORD-LOCK

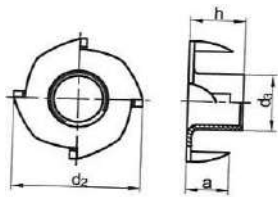
ZN



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

<i>d</i>	<i>D</i>	<i>T</i>
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

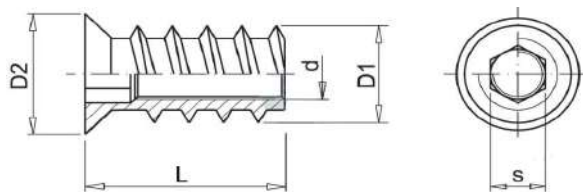




<i>M</i>	<i>ZN</i>
4	0
5	0
6	0
8	0
10	0

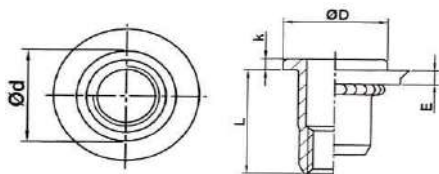
<i>h</i>	<i>d₂</i>	<i>d₃</i>
6	15.0	5.0
8	17.0	6.5
9/12	19.0	7.5
11/15	22.0	10.0
13	25.0	11.5



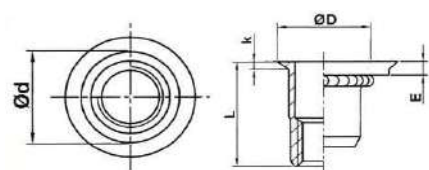


M	ZN
4	o
5	o
6	o
8	o
10	o

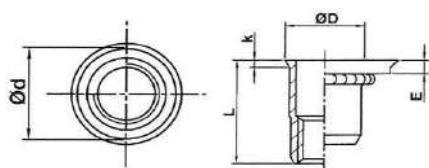


DTS 103 C - ZAKIVNA MATICA CILINDRIČNA GLAVA

M	ZN	L	E	D	SVRDLO
4	○	11.0	0,3 - 2,5	9.0	6.1
5	○	13 (15,5)	0,5 - 3	10.0	7.1
6	○	15.0	0,5 - 3	12.0	9.1
8	○	17.0	0,5 - 3	14.0	11.1

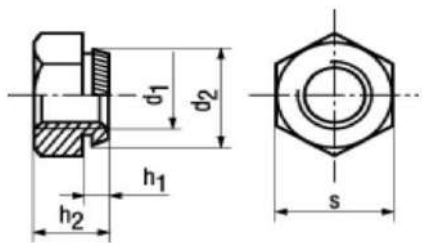
DTS 103 U - ZAKIVNA MATICA UPUŠTENA GLAVA

M	ZN	L	E	D	SVRDLO
4	○	11.0	1.5	10.0	6.1
5	○	15.0	1.5	11.0	7.1
6	○	17.0	1.5	13.0	9.1
8	○	17.0	1.5	16.0	11.1

DTS 103 MU - ZAKIVNA MATICA UPUŠTENA MALA GLAVA

M	ZN	L	E	D	SVRDLO
4	○	12.0	0.6	6.9	6.1
5	○	14.0	0.6	7.9	7.1
6	○	17.0	0.6	9.9	9.1
8	○	18.0	0.6	12.0	11.1



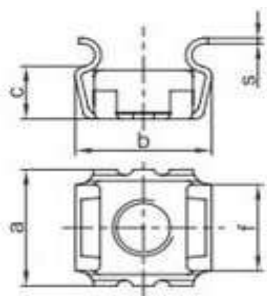


M	ZN
8	0
10	0
12	0

d_2	h_1	h_2	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

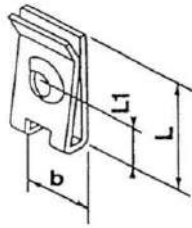




<i>M</i>	<i>ZN</i>
4	0
5	0
6	0
8	0
10	0

<i>c</i>	<i>s</i>	<i>a</i>	<i>f</i>
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





$\varnothing$	FE
2.9	O
3.5	O
3.9	O
4.2	O
4.8	O
5.5	O
6.3	O

b	L	L ₁
15.8	18.0	11.5
15.8	18.0	11.5
15.8	18.0	11.5
15.8	18.0	11.5
15.8	18.0	11.5
15.8	18.0	11.5
15.8	18.0	11.5

DTS 107

Hangar vijak metal / drvo

Stockschrauben

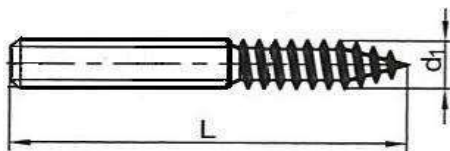
Hanger bolts

Vitti di giunzione

ZN

A2

A4



	M 6	M 8	M 10
d ₁	6.5	8.5	10

$\begin{matrix} D \\ L \end{matrix}$	M 6	M 8	M 10
40	o	o	
50	o	o	
60	o	o	o
70	o	o	
80	o	o	o
90	o	o	
100	o	o	o
110		o	o
120	o	o	o
130		o	o
140		o	o
150		o	o
160		o	o
180		o	o
200		o	o



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DTS 108

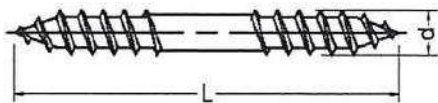
Hangar vijak sa navojima za drvo

ZN

Stockschrauben

Hanger bolts

Vitti di giunzione



	Ø6	Ø8
d	6.5	8.5

$\begin{matrix} D \\ L \end{matrix}$	Ø6	Ø8
60	o	o
70	o	o
80	o	o
90		o
100		o



DANTECH SOLUTIONS

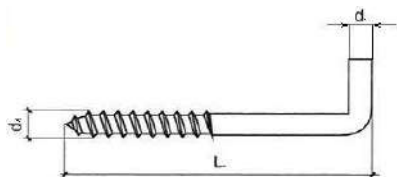
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Winkel Holzschrauben

Hook wood screws 90 degrees

Viti per legno a gancio ad angolo retto



	Ø3	Ø4	Ø6	Ø8	Ø10
d	2.4	3.4	4.6	7.0	8.9
d ₁	3.2	4.3	6.0	8.3	9.8

$\frac{D}{L}$	Ø3	Ø4	Ø6	Ø8	Ø10
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

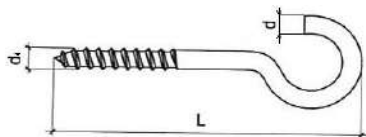
Luster kuka sa navojem za drvo

ZN

Haken Holzschrauben

Hook wood screws

Viti per legno a gancio



	Ø4	Ø6
d	3.2	4.6
d ₁	4.3	6.0

$\begin{matrix} D \\ L \end{matrix}$	Ø4	Ø6
40	o	
50	o	
60	o	o
70	o	o
80		o
90		o
100		o
120		o



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DTS 111

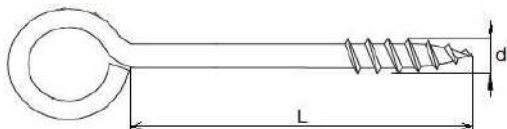
Očna kuka za oplate

Haken Holzschrauben

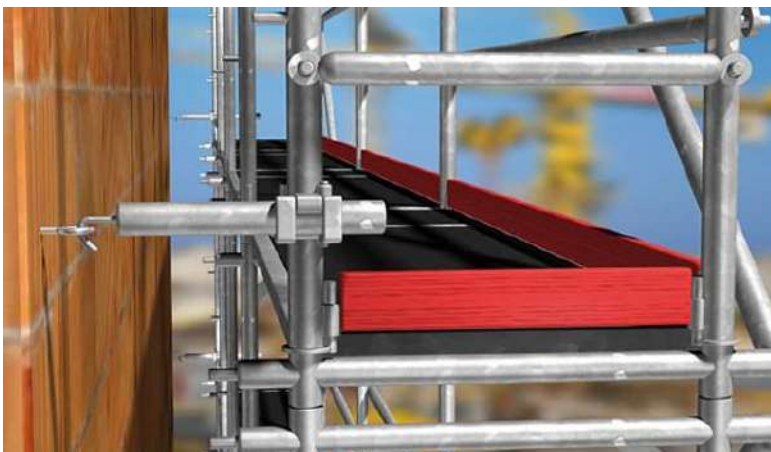
Hook wood screws

Viti per legno a gancio

ZN



$\begin{matrix} D \\ L \end{matrix}$	$\varnothing 12$
160	o
190	o
230	o
300	o



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62.

DTS 112 VTG

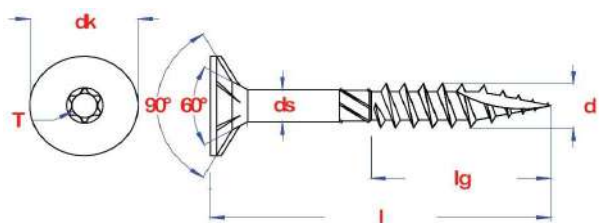
Vijak za drvo sa upuštenom torx glavom i predbušenjem tip P17

Holzschrauben SK-T frsrippen und P17

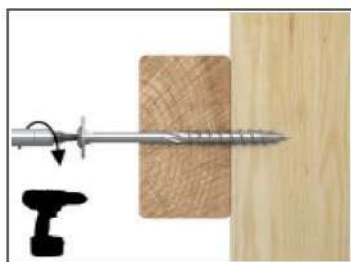
Wood screws CSK-T flutes and cutting point P17

ZN

A2



	Ø6	Ø8	Ø10
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



$L \backslash D$	Ø6	Ø8	Ø10
60	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



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DTS 113 TTG

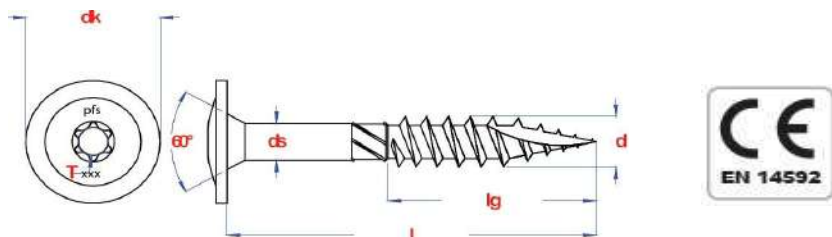
Vijak za drvo sa cilindričnom torx glavom i predbušenjem tip P17

Tellerkopfschrauben-T P17 - frsrippen

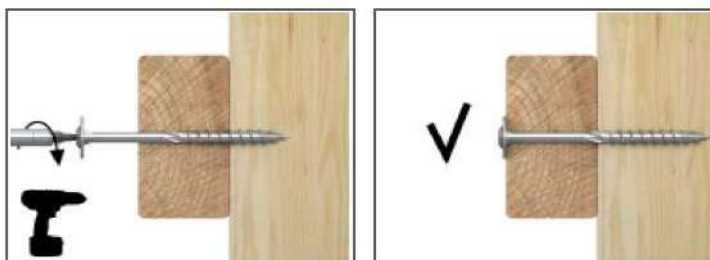
Flange head wood screws -T flutes and cutting point P17

ZN

A2



	Ø6	Ø8	Ø10
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



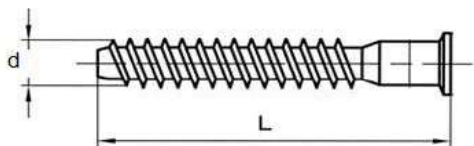
$L \backslash D$	Ø6	Ø8	Ø10
60	o		
70	o		
80	o	o	
90	o	o	
100	o	o	o
120	o	o	o
140	o	o	o
160	o	o	o
180	o	o	o
200	o	o	o
220	o	o	o
240	o	o	o
260	o	o	o
280	o	o	o
300	o	o	o
320		o	o
340		o	o
360		o	o
380		o	o
400		o	o



DANTECH SOLUTIONS

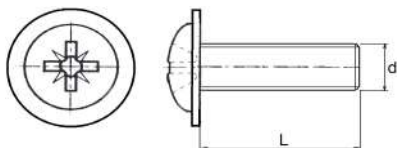
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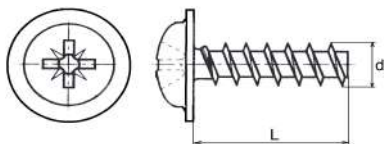
$\begin{matrix} D \\ L \end{matrix}$	$\begin{matrix} \text{Ø}7 \end{matrix}$
50	o
70	o





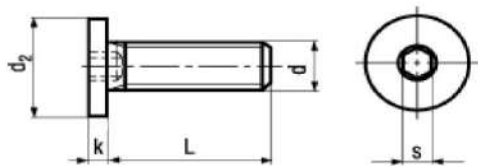
$\begin{matrix} D \\ L \end{matrix}$	M 4	M 6
10	o	
12	o	
14	o	
16	o	
18	o	
20	o	
22	o	
25	o	
28	o	
30	o	o
32	o	
35	o	
38	o	
40	o	o
42	o	
45	o	





$\begin{matrix} D \\ L \end{matrix}$	$\varnothing 4$
14	0
23	0
25	0
40	0



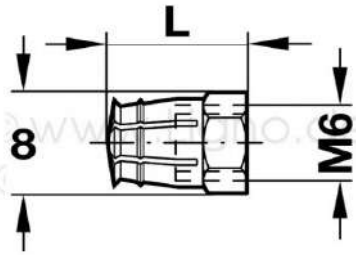


$\begin{matrix} D \\ L \end{matrix}$	M 6
30	o
40	o
45	o
50	o
60	o
70	o
80	o
90	o
50	o
100	o

d_2	k	s
16.5	2.3	4



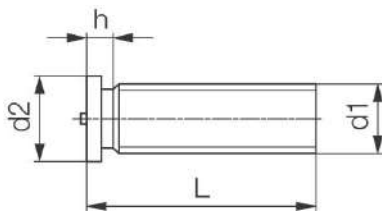
- primjena kod topalit, werzalit, iveral i mdf ploča



$\begin{matrix} D \\ L \end{matrix}$	M 6
9	0
12	0

SVRDLO
8.0
8.0





	M 4	M 5	M 6	M 8
d ₂	5.6	6.5	7.4	8.9
h	1.80	2.00	2.10	2.20

$\begin{matrix} D \\ L \end{matrix}$	M 4	M 5	M 6	M 8
8	o			
10	o	o		
12	o	o	o	
16	o	o	o	o
20	o	o	o	o
25		o	o	o
30		o	o	o
35			o	o
40			o	o
45			o	o



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 OŠTEĆENJA
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
Drilling 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

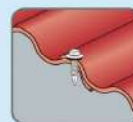

Predstavljene boje prikazane su samo kao bazne nijanse u ponudi.
Molimo koristite samo originalnu RAL ton kartu za stvarnu nijansu boje.

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

MONTAŽA - FIXING


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

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



4,8 x 20

spajanje lim - lim
steel sheets overlapping

DTS 500

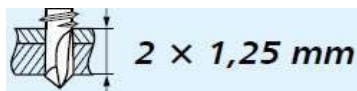
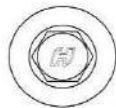
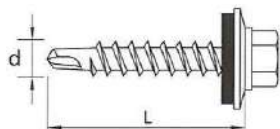
Samobušeci vijak sa šesterokutnom glavom OK 8

i vulkaniziranom EPDM podložnom pločicom.

- Za međusobno spajanje limova;

- Za spajanje limova na drvenu konstrukciju;

ZN
ZN / RAL
INOX



ETA-13/0087

ZN



$\frac{D}{L}$	Ø4,8	Ø6,5
20	o	
35	o	o
50	o	o
60	o	
75	o	o
100	o	

$\frac{D}{L}$	Ø4,8
20	o
35	o
50	o
60	o
75	o
100	o

INOX - AISI 410



$\frac{D}{L}$	Ø4,8
19	o
25	o
35	o



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DTS 501

Samobušer vijak sa šesterokutnom glavom OK 8

i vulkaniziranom EPDM podložnom pločicom.

- Za spajanje limova na metalnu konstrukciju;

- Debljina bušenja lima maksimalno od 4,5 - 6 mm;

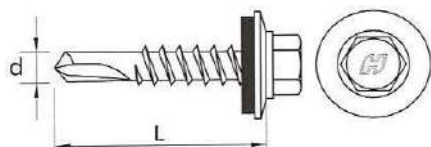
ZN

ZN / RAL

PROTECT 1000™

BI - METAL

INOX



ETA-13/0817

ZN

$\frac{D}{L}$	Ø4,8	Ø5,5	Ø6,3
16	o		
19	o	o	o
22	o	o	o
25	o	o	o
32	o	o	o
35	o		
38	o	o	o
45		o	
50		o	o
63		o	o
75		o	o

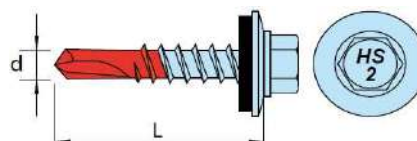


$\frac{D}{L}$	Ø4,8	Ø5,5
25	o	
75		o

PROTECT 1000™



$\frac{D}{L}$	Ø5,5
25	o



INOX - AISI 410

INOX

$\frac{D}{L}$	Ø4,8	Ø5,5
16	o	
19	o	o
22	o	o
25	o	o
32		o
35	o	
38		o
45		o
50		o

BI - METAL AISI 304

INOX

$\frac{D}{L}$	Ø5,5
25	o
32	o
38	o



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DTS 502

Samobušeci vijak sa šesterokutnom glavom OK 8

i vulkaniziranom EPDM podložnom pločicom.

- Za spajanje limova na čeličnu konstrukciju;

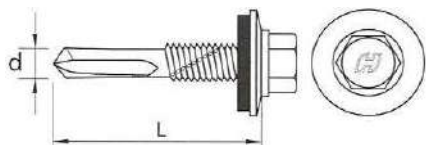
- Debljina bušenja čelika maksimalno do 12 mm;

ZN

ZN / RAL

PROTECT 1000™

BI - METAL



ETA-13/0817



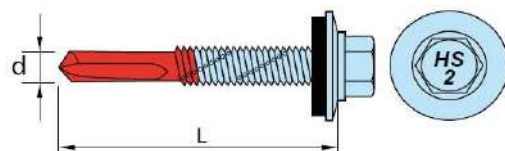
ZN

$\frac{D}{L}$	Ø5,5	PL Ø
32	o	14
38	o	14
50	o	14
67	o	14
75	o	14

PROTECT 1000™



$\frac{D}{L}$	Ø5,5	PL Ø
32	o	14
38	o	14
50	o	14
67	o	14
75	o	14



BI - METAL - AISI 304



$\frac{D}{L}$	Ø5,5	PL Ø
38	o	14
50	o	14
75	o	14



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VIJCI ZA SENDVIČ PANELE SANDWICH PANELS SCREWS





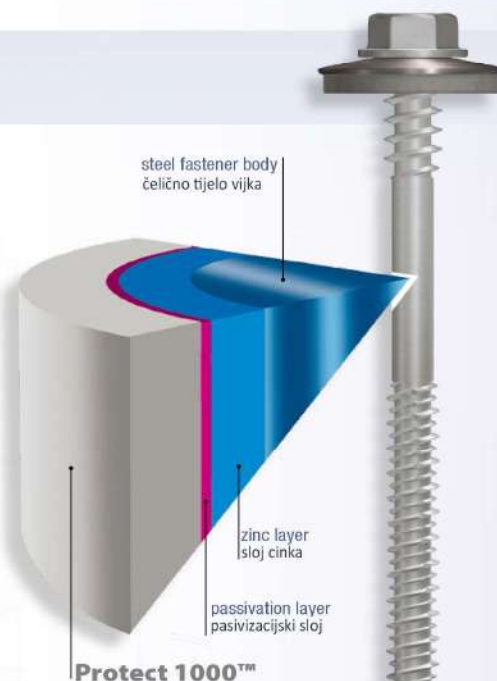
ADVANCED CORROSION PROTECTIVE COATING FOR FASTENERS NAPREDNA ANTIKOROZIVNA ZAŠTITA ZA VIJKE

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 **C1-C4**
categories | korozivnosti
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
Vrhunska zaštita 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 | Oštrina 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



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Corrosivity categories according to EN-ISO-12944-2

Kategorija korozivnosti prema EN-ISO-12944-2

Corrosivity category Kategorija korozivnosti	Type of environment Vrste okruženja korozivnosti	Mass loss per unit and coating thickness loss after first year of exposure 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 Ugljini čelik		Zinc coating Sloj cinka		
		g/m²	µm	g/m²	µm	
C1	very low vrlo nisko	< 10	< 1,3	< 0,7	< 0,1	Interior of heated buildings e.g. offices, schools, hotels. 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. Kopnena područja s niskim zagađenjem 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 ₂ and SO ₂ to the atmosphere. Područja s prosječnom zagađenosti; urbana područja i područja lagane industrije s niskim emisijama CO ₂ 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 ₂ 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. Područja s visokim stupnjem zagađenja (visoke emisije CO ₂ i SO ₂ u atmosferi) područja teške industrije (čeličane, elektrane na ugljen, petrokemijske 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 ₂ and SO ₂ pollution, salinity and high humidity. Industrijska područja s visokim nivoima CO ₂ i SO ₂ zagađenja, 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. 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 Preporučeni materijal vijka	Corrosivity category i Kategorija korozivnosti				
	C1	C2	C3	C4	C5
carbon steel zinc plated up to 5µm ugljični čelik cinkan do debljine sloja 5µm	✓				
carbon steel zinc plated > 5µm, powder coating ugljični čelik cinkan debljine sloja veće od 5µm, plastificiran	✓	✓			
carbon steel zinc plated, coating thickness min. 12µm, powder coating ugljični čelik cinkan slojem debljine od 12µm, plastificiran	✓	✓	✓		
stainless steel AISI 410, powder coating nehrđajući čelik AISI 410, plastificiran	✓	✓	✓		
carbon steel with PROTECT 1000™ coating, powder coating ugljični čelik sa PROTECT 1000™ zaštitnim slojem, plastificiran	✓	✓	✓	✓	
stainless steel AISI 304 (A2) nehrđajući čelik AISI 304 (A2)	✓	✓	✓	✓	✓
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 (rasprašivanje soli)	72 h	1000 h
Coating accuracy Točnost sloja	Visoka	Visoka
RoHS Compliance RoHS direktiva	Zadovoljava	Zadovoljava

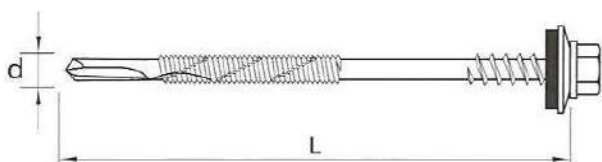


DTS 503

Samobušeci vijak sa šesterokutnom glavom OK 8
i vulkaniziranom EPDM podložnom pločicom.
- Za spajanje panela na čeličnu konstrukciju
- Debljina bušenja čelika maksimalno do 12 mm;

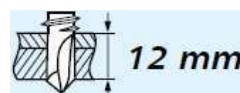
PROTECT 1000TM

BI - METAL

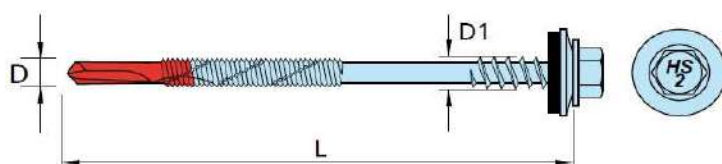


ETA-13/0421

PROTECT 1000TM



$\frac{D}{L}$	5,5/6,3	PL Ø	G_{min}	G_{max}
85	o	16 / A2	35	55
105	o	16 / A2	40	75
115	o	16 / A2	50	85
130	o	19 / A2	40	100
150	o	19 / A2	70	120
165	o	19 / A2	85	135
175	o	19 / A2	95	145
185	o	19 / A2	105	155
200	o	19 / A2	115	170
215	o	19 / A2	130	185
235	o	19 / A2	150	205
255	o	19 / A2	170	225
285	o	19 / A2	200	255



BI - METAL - AISI 304



$\frac{D}{L}$	5,5/6,3	PL Ø	G_{min}	G_{max}
105	o	16 / A2	40	75
130	o	19 / A2	40	100
150	o	19 / A2	70	120
185	o	19 / A2	105	155
200	o	19 / A2	115	170
235	o	19 / A2	150	205



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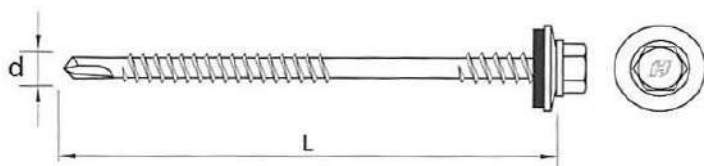
www.e-zeljezara.eu

DTS 504

Samobušajući vijak sa šesterokutnom glavom OK 8
i vulkaniziranom EPDM podložnom pločicom.
- Za spajanje panela na metalnu konstrukciju
- Debljina bušenja cjevi maksimalno do 6 mm;

PROTECT 1000™

BI - METAL

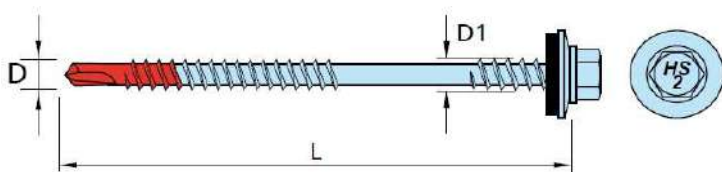


ETA-13/0421

PROTECT 1000™



$\frac{D}{L}$	$\varnothing 5,5$	PL $\varnothing$	G_{min}	G_{max}
80	o	16 / A2	30	60
98	o	16 / A2	50	80
110	o	16 / A2	55	90
120	o	16 / A2	45	100
130	o	19 / A2	50	110
150	o	19 / A2	70	130
175	o	19 / A2	95	155
195	o	19 / A2	115	175
210	o	19 / A2	130	190
230	o	19 / A2	170	210
240	o	19 / A2	180	220
275	o	19 / A2	210	255



BI - METAL - AISI 304



$\frac{D}{L}$	$\varnothing 5,5$	PL $\varnothing$	G_{min}	G_{max}
98	o	16 / A2	50	80
130	o	19 / A2	50	110
150	o	19 / A2	70	130
175	o	19 / A2	95	155
195	o	19 / A2	115	175
230	o	19 / A2	170	210



DANTECH SOLUTIONS

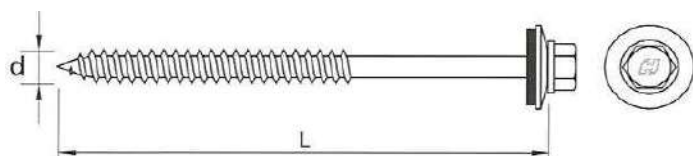
dantech@net.amis.hr

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DTS 505

Samourezni vijak za spajanje panela na drvenu konstrukciju
sa šesterokutnom glavom i EPDM podložnom pločicom

ZN



ETA-13/0421

$\frac{D}{L}$	$\varnothing 6,5$	PL $\varnothing$	G_{max}
90	o	16	40
100	o	16	50
120	o	16	70
130	o	19	80
150	o	19	100
175	o	19	125
200	o	19	150
220	o	19	170
230	o	19	180
240	o	19	190
250	o	19	200
260	o	19	210
275	o	19	225
300	o	19	250



DANTECH SOLUTIONS

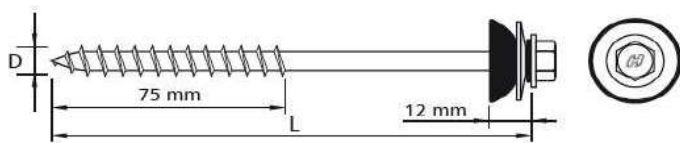
dantech@net.amis.hr

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DTS 505 S

Samourezni vijak za spajanje cementnih valovitih ploča na drvenu konstrukciju
sa šesterokutnom glavom i EPDM visokom podložnom pločicom

ZN



$\frac{D}{L}$	$\varnothing 6,5$	PL $\varnothing$	h_{ef}
90	o	25	30
100	o	25	30
120	o	25	30
130	o	25	30
150	o	25	30
175	o	25	30
200	o	25	30
220	o	25	30
230	o	25	30
240	o	25	30
250	o	25	30
260	o	25	30
275	o	25	30
300	o	25	30



DANTECH SOLUTIONS

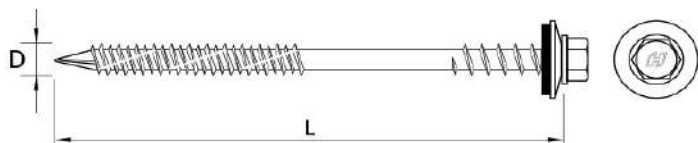
dantech@net.amis.hr

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DTS 506

Samourezni vijak za sidrenje panela u beton sa šesterokutnom glavom i EPDM podložnom pločicom

ZN
PROTECT 1000™



AT-15-9256/2014

ZN

$\frac{D}{L}$	$\varnothing 6,1$	PL $\varnothing$	G_{max}	SVRDLO
65	o	19	30	$\varnothing 5$
100	o	19	70	$\varnothing 5$
130	o	19	100	$\varnothing 5$
150	o	19	120	$\varnothing 5$
180	o	19	150	$\varnothing 5$
200	o	19	170	$\varnothing 5$
220	o	19	190	$\varnothing 5$
250	o	19	220	$\varnothing 5$

PROTECT 1000™



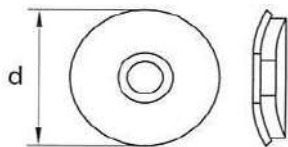
$\frac{D}{L}$	$\varnothing 6,1$	PL $\varnothing$	G_{max}	SVRDLO
130	o	19	100	$\varnothing 5$
150	o	19	120	$\varnothing 5$
180	o	19	150	$\varnothing 5$



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**ZN**

D	Ø	VIJAK
12	Ø	4.2
14	Ø	4.8
16	Ø	5.5
19	Ø	6.3
25	Ø	6.3

AL

D	Ø	VIJAK
14	Ø	4.8
16	Ø	5.5
19	Ø	6.3



D	Ø	VIJAK
14	Ø	4.8
16	Ø	5.5
19	Ø	6.3



DTS 508

Plastična kapice za krovne vijke

PVC / RAL



OK 8

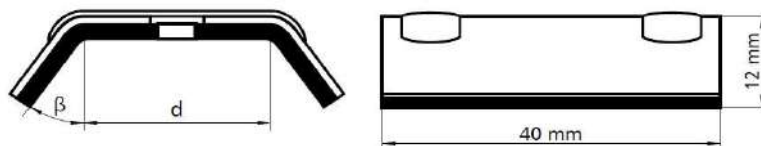
0



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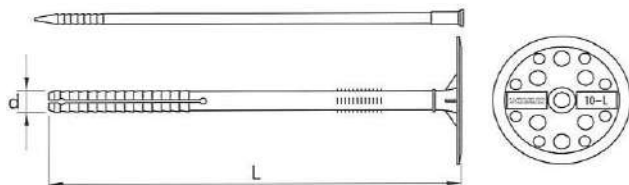
KALOTE	d (mm)	β	VPC
Aluminijske	25	29 °	○
	30	30 °	○
	35	35 °	○
Aluminij / RAL	25	29 °	○
	30	30 °	○
	35	35 °	○



DTS 510

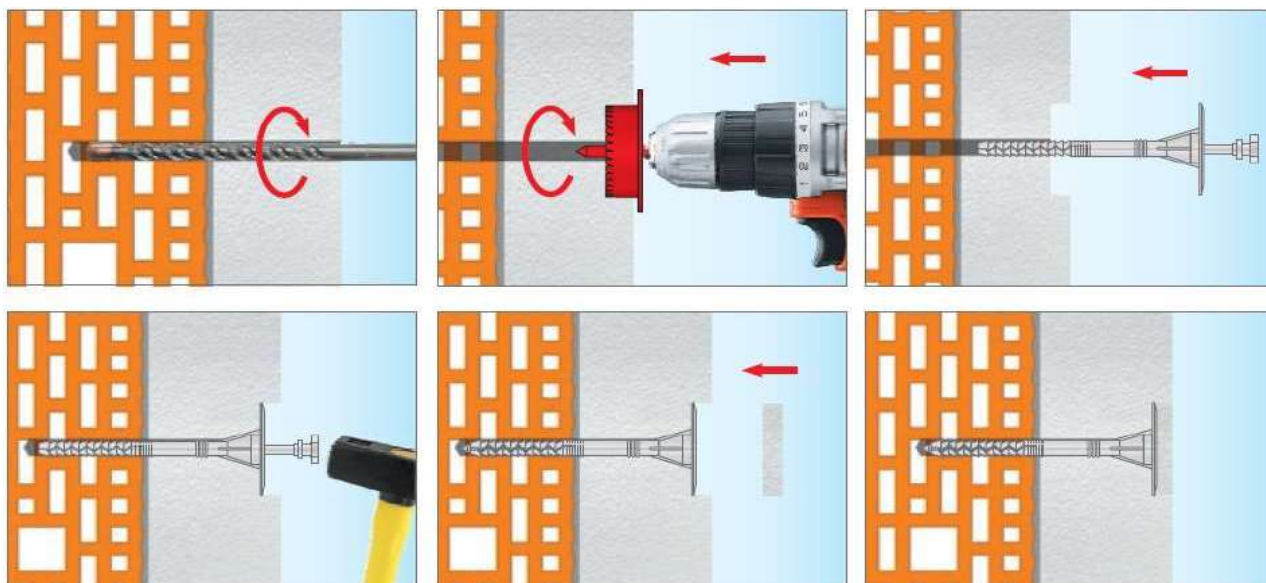
Tipla za fasadu sa plastičnim trnom
- Promjer glave Ø60

Nylon



ETA-10/0214

$\frac{D}{L}$		IZOLACIJA	
		min.	max.
100	Ø10	40	50
120	Ø10	60	70
140	Ø10	80	90
160	Ø10	100	110
180	Ø10	120	130
200	Ø10	140	150
220	Ø10	150	170
260	Ø10	200	210



DANTECH SOLUTIONS

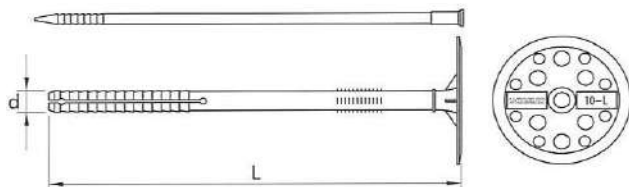
dantech@net.amis.hr

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DTS 511

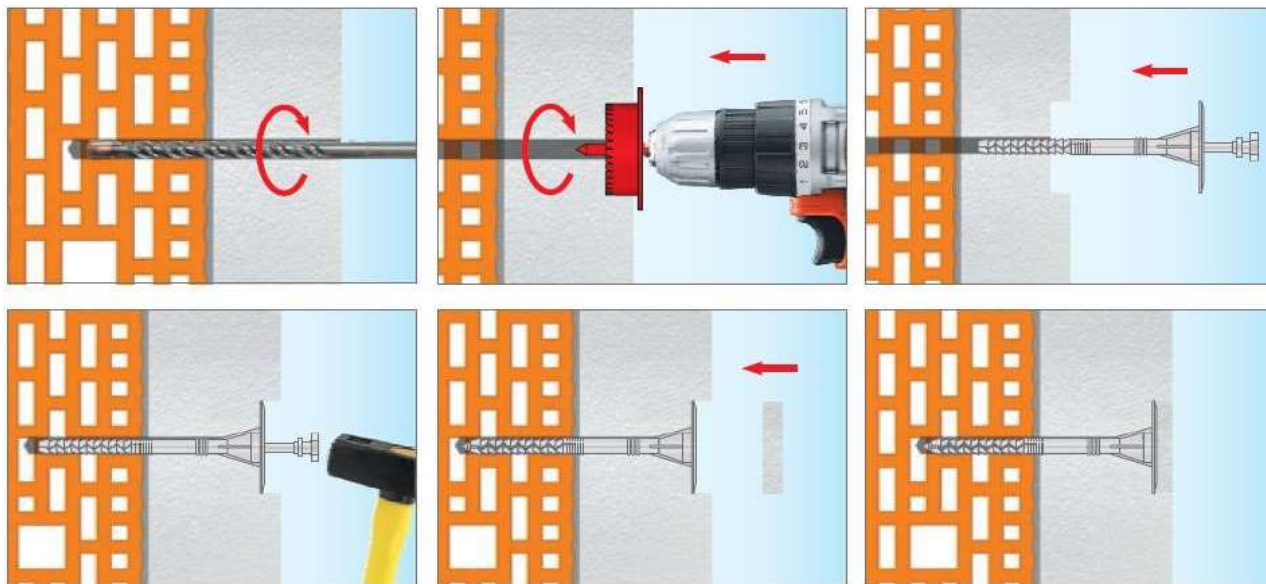
Tipla za fasadu sa metalnim trnom i pvc kapicom
- Promjer glave Ø60

ZN / nylon



ETA-10/0214

$\frac{D}{L}$		IZOLACIJA	
		min.	max.
100	Ø10	40	50
120	Ø10	60	70
140	Ø10	80	90
160	Ø10	100	110
180	Ø10	120	130
200	Ø10	140	150
220	Ø10	150	170
260	Ø10	200	210



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dantech@net.amis.hr

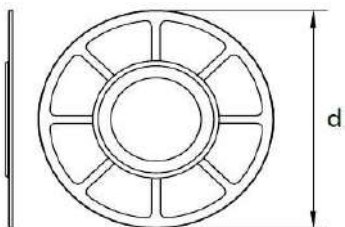
www.e-zeljezara.eu

DTS 512 LIT

Disk za fasadne tiplje

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

- Za fasadnu tiplju promjera glave $\varnothing 60$



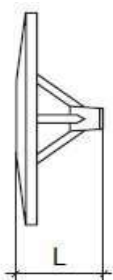
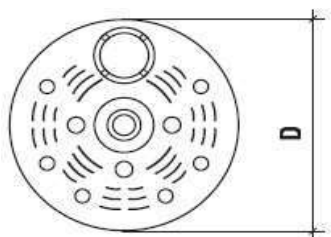
AT-15-7813/2013

MATERIJAL	d
Poliamid	125
Polipropylen	125

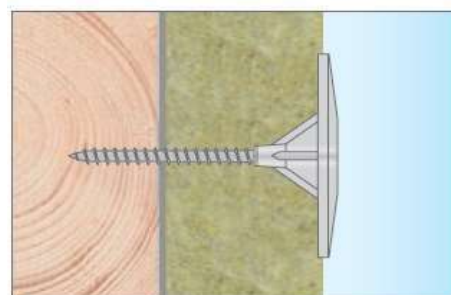
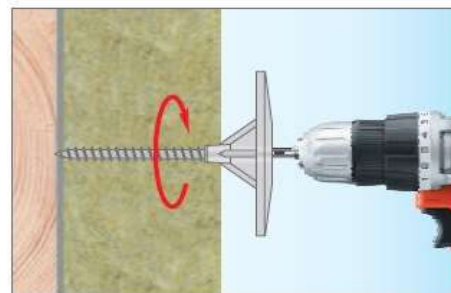
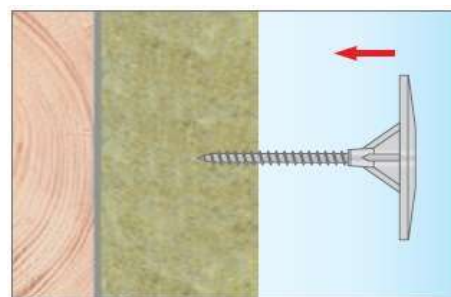
DTS 512 LIK

Disk za izolacijsku kamenu vunu

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



D	60
L	15



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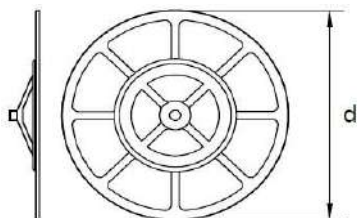
www.e-zeljezara.eu

88.

DTS 512 LITW

Disk za mekanu izolacijsku kamenu vunu

- Za vijke promjera Ø4,5 - 6,5 mm



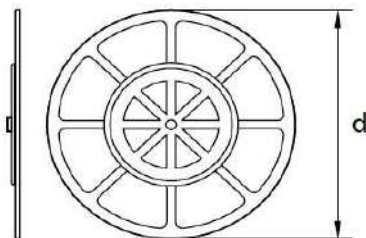
AT-15-7813/2013

MATERIJAL	d
Poliamid	125
Polipropylen	125

DTS 512 LITP

Disk za tvrdi izolacijsku kamenu vunu

- Za vijke promjera Ø4,8 - 6,5 mm



AT-15-7813/2013

MATERIJAL	d
Poliamid	125
Polipropylen	125



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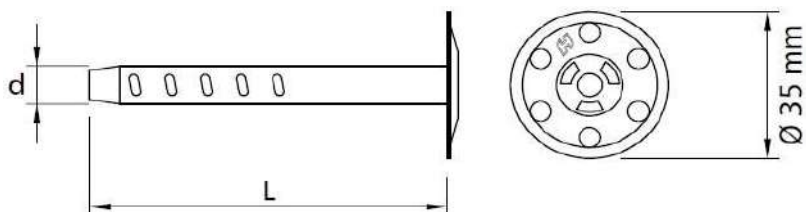
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89.

DTS 513 LIM

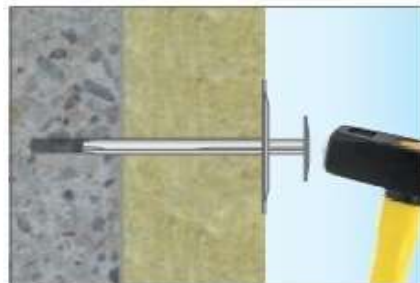
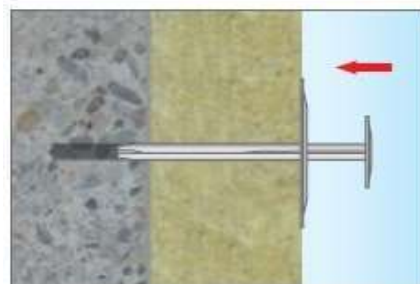
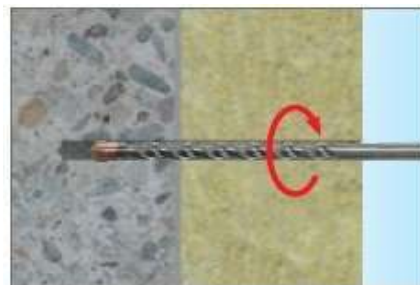
Metalna tipla za sidrenje izolacijske kamenu vunu

ZN
AL / ZN



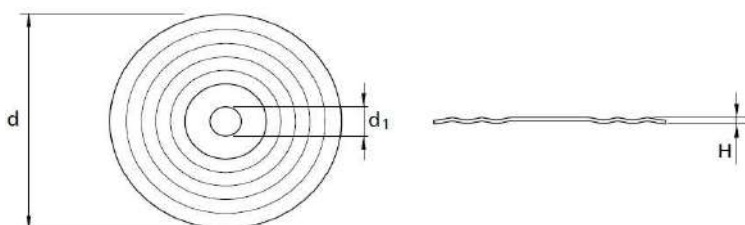
$\frac{D}{L}$	8
60	o
80	o
90	o
110	o
140	o
170	o
200	o
240	o
300	o

SVRDLO
Ø8
Ø8
Ø8
Ø8
Ø8
Ø8
Ø8
Ø8
Ø8



DTS 513 LIMS

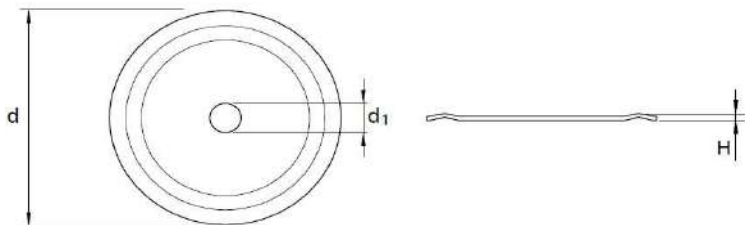
Metalna podloška za metalnu tiplu DTS 513 LIM



d	d_1	H
70	9.5	1.9

DTS 513 LIMP

Metalna podloška za metalnu tiplu DTS 513 LIM



d	d_1	H
70	9.5	2.1



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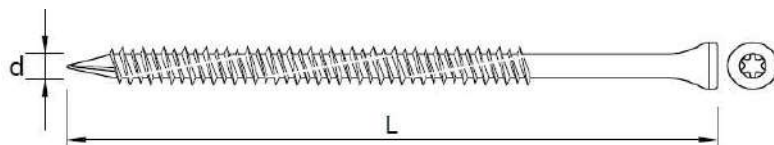
90.

DTS 514 VU

Samourezni vijak za beton sa upuštenom torx glavom

PROTECT 1000™

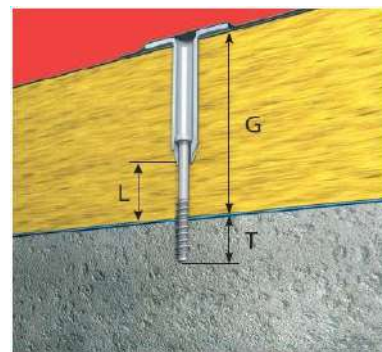
- Vijak koristi sa izolacijskom podloškom DTS 514 ili teleskopskom tiplom DTS 515



ETA-12/0579

$\frac{D}{L}$	6.1
65	o
85	o
100	o
120	o
150	o
200	o
220	o
250	o

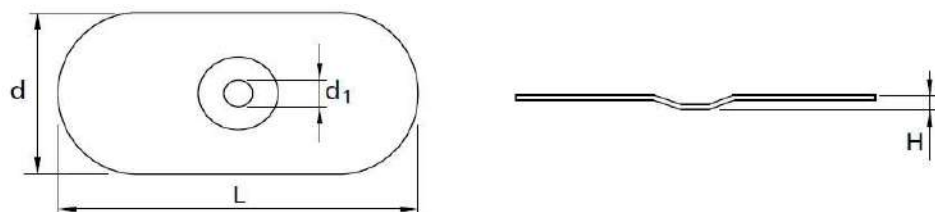
SVRDLO
Ø5
Ø5
Ø5
Ø5
Ø5
Ø5
Ø5
Ø5



DTS 514

Metalna ovalna podloška za termo izolaciju

ZN
AL / ZN

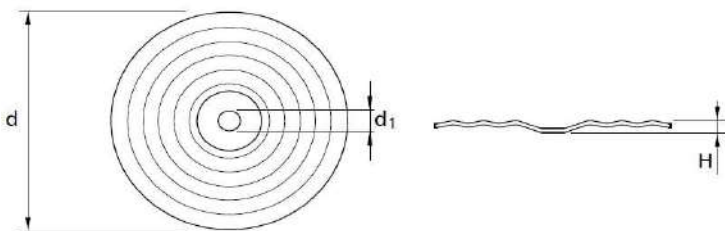


d	d_1	H	L
40	6.5	4	82

DTS 514

Metalna okrugla podloška za termo izolaciju

ZN
AL / ZN



d	d_1	H
70	6.5	1.9
70	6.5	4.0



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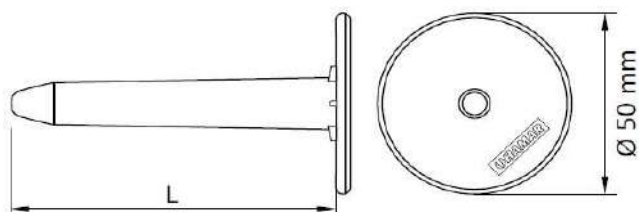
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DTS 515

Teleskopska tipla za pričvrst izolacije na ravnim krovovima

Nylon

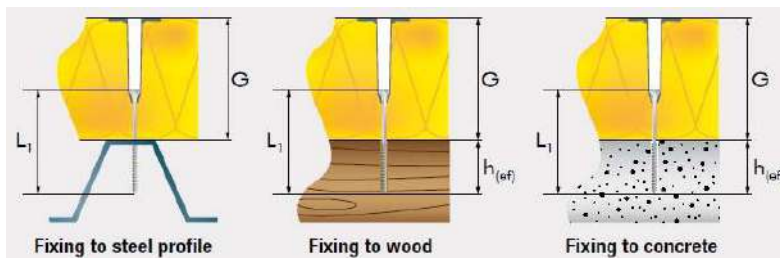
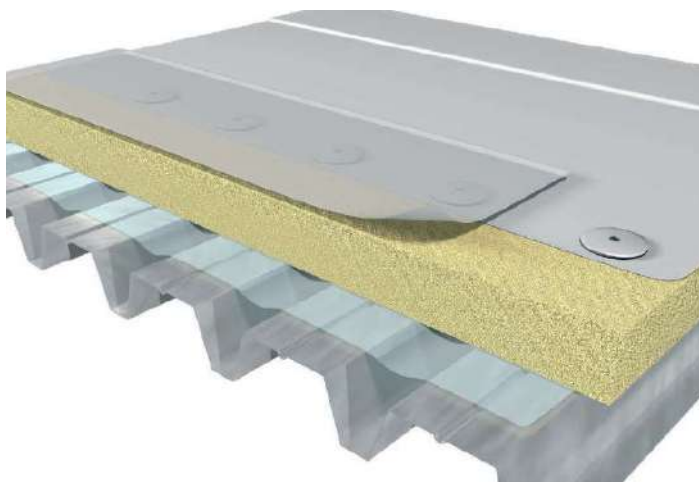
- Tipla se koristi sa vijkom DTS 514 VU ili DTS 516 S ili DTS 516 U



ETA-12/0579

ZA VIJAK:		
$\frac{D}{L}$	Ø4,8	Ø6,1
35	o	o
60	o	o
85	o	o
115	o	o
135	o	o
165	o	o
185	o	o
215	o	o
235	o	o
285	o	o

	METAL	DRVO	BETON
IZOLACIJA	L_1	L_1	L_1
80	70	80	85
100	70	80	85
120	70	80	85
140	60	80	65
180	80	80	85
200	70	80	65
220	70	80	65
240	60	80	85
260	60	80	85
300	50	80	85



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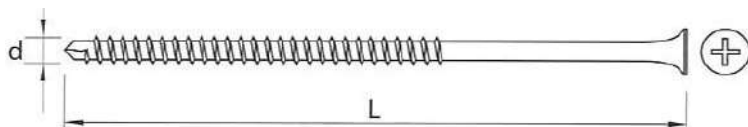
DTS 516 S

Samobušerći vijak sa upuštenom križnom glavom

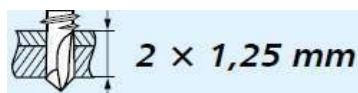
PROTECT 1000TM

- Za pričvršćenje podne izolacije na ravnim krovovima;

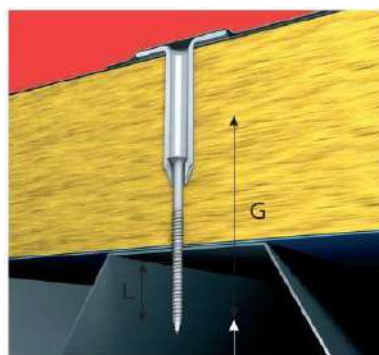
- Koristi se sa teleskopskom izolacijskom tiplom DTS 515



ETA-12/0579



$\frac{D}{L}$	$\varnothing 4,8$
50	o
60	o
70	o
80	o
100	o
120	o
140	o
160	o
180	o
200	o
250	o
300	o



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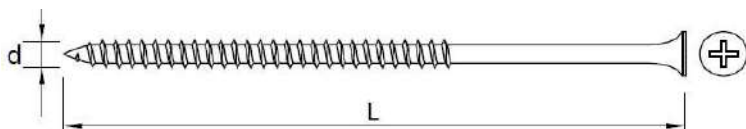
DTS 516 U

Samourezni vijak sa upuštenom križnom glavom

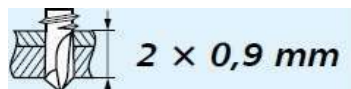
PROTECT 1000TM

- Za pričvršćenje podne izolacije na ravnim krovovima;

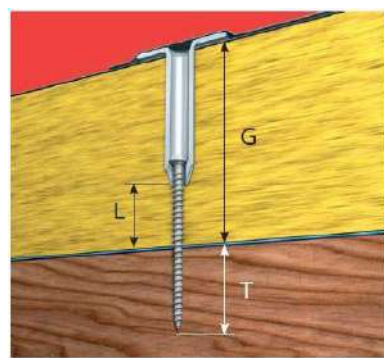
- Koristi se sa teleskopskom izolacijskom tiplom DTS 515



ETA-12/0579



$\frac{D}{L}$	Ø4,8	Ø5,0
50	o	
60	o	
70	o	
80	o	o
100	o	
120	o	
140	o	
160	o	
180	o	
200	o	
250	o	
300	o	



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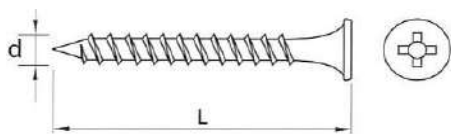
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DTS 517

Samourezni vijak za knauf ploče sa finim navojem

Fosfatirano

- za spajanje knauf ploča na metalne profile



$\begin{matrix} D \\ L \end{matrix}$	$\varnothing 3,5$	$\varnothing 4,2$	$\varnothing 4,8$
25	o		
35	o		
45	o		
55	o		
70		o	
100			o



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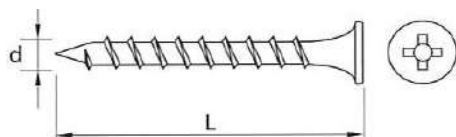
www.e-zeljezara.eu

DTS 518

Samourezni vijak za knauf ploče sa grubim navojem

Fosfatirano

- za spajanje knauf ploča na drvo ili međusobno spajanje



$\begin{matrix} D \\ L \end{matrix}$	Ø3,5	Ø4,2	Ø4,8
25	o		
35	o		
45	o		
55	o		
70		o	
90		o	o
100			o
110			o
120			o
140			o



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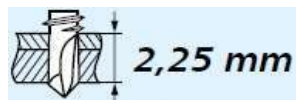
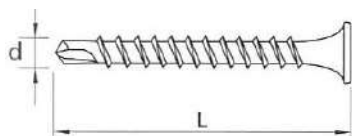
www.e-zeljezara.eu

DTS 519

Samobušeci vijak za knauf ploče sa finim navojem

Fosfatirano

- za spajanje knauf ploča na metalne profile



$\frac{D}{L}$	$\varnothing 3,5$
25	o
35	o
45	o
55	o



DANTECH SOLUTIONS

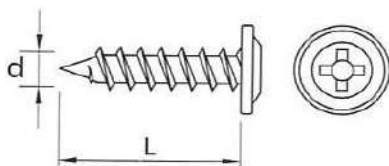
dantech@net.amis.hr

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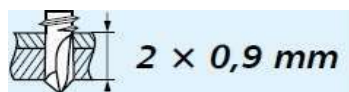
DTS 520

Samourezni vijak za međusobno spajanje limova

ZN
ZN / RAL
Fosfatirano
INOX



$\frac{D}{L}$	$\varnothing 4,2$
13	o
16	o
19	o
25	o
30	o
38	o
45	o
50	o
65	o



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98.

DTS 521

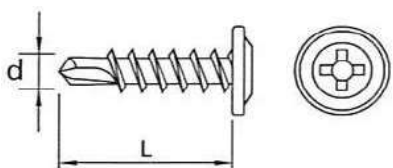
Samobušeci vijak za međusobno spajanje limova

ZN

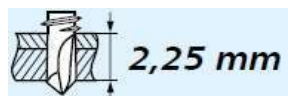
ZN / RAL

Fosfatirano

INOX



$\frac{D}{L}$	$\varnothing 4,2$
13	o
16	o
19	o
25	o
30	o
38	o
45	o
50	o
65	o

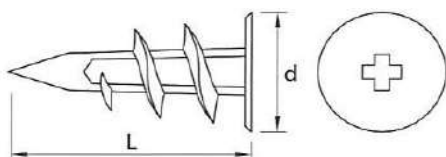


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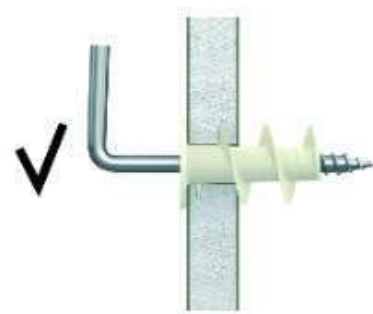
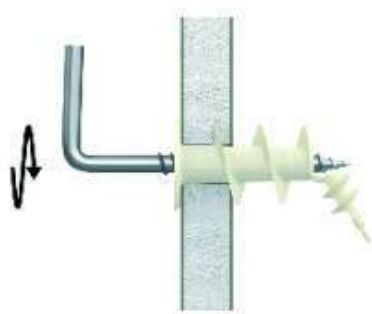
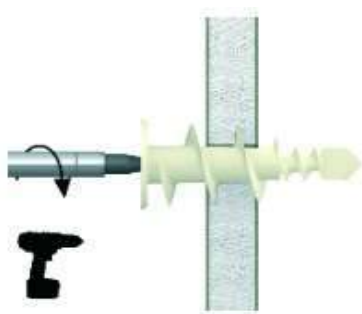
www.e-zeljezara.eu

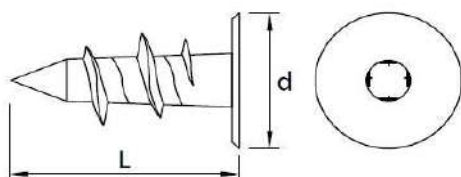
99.



$\frac{D}{L}$	$\varnothing 15$
33	o

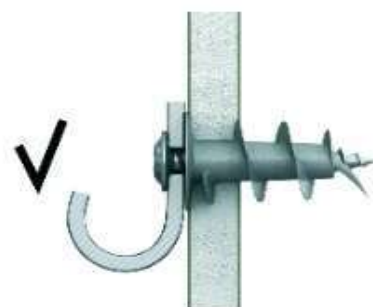
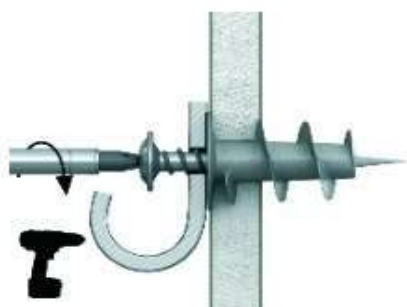
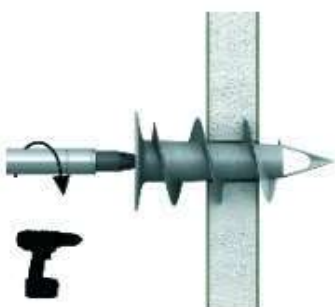
VIJAK
3,5 - 4,5

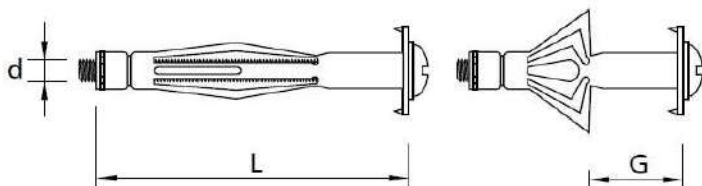




$\frac{D}{L}$	$\varnothing 14$
28	o
38	o

VIJAK
4,5
4,5





$\frac{D}{L}$	$\varnothing 4,0$
32	o
47	o
60	o

SVRDLO
8
8
8

G
3 - 12
16 - 24
24 - 36

$\frac{D}{L}$	$\varnothing 5,0$
38	o
53	o
80	o

SVRDLO
11
11
11

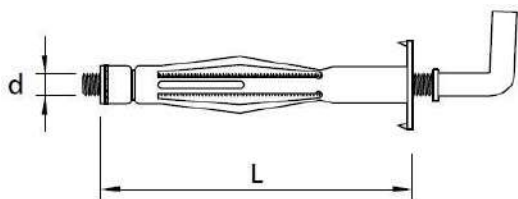
G
6 - 12
8 - 16
32 - 45

$\frac{D}{L}$	$\varnothing 6,0$
36	o
80	o

SVRDLO
13
13

G
6 - 12
32 - 45





$\frac{D}{L}$	$\frac{D}{L}$
38	Ø4,0

Ø

SVRDLO
8

G
9 - 16

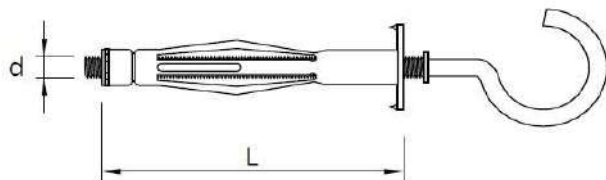
$\frac{D}{L}$	$\frac{D}{L}$
52	Ø5,0

Ø

SVRDLO
11

G
7 - 16





$\frac{D}{L}$	$\frac{D}{L}$
38	Ø4,0
	Ø

SVRDLO
8

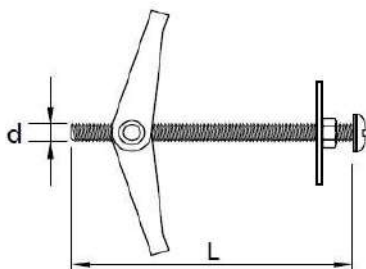
G
9 - 16

$\frac{D}{L}$	$\frac{D}{L}$
52	Ø5,0
	Ø

SVRDLO
11

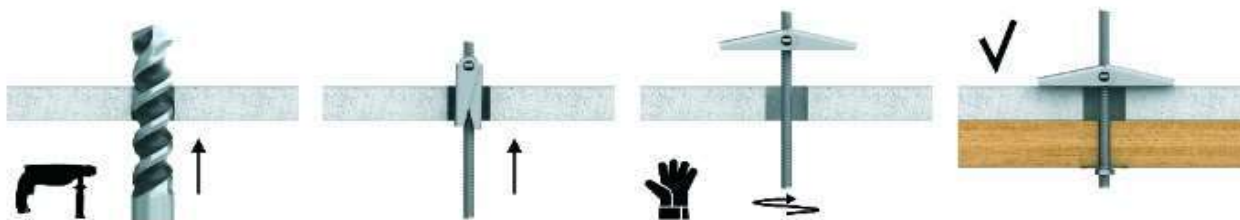
G
7 - 16

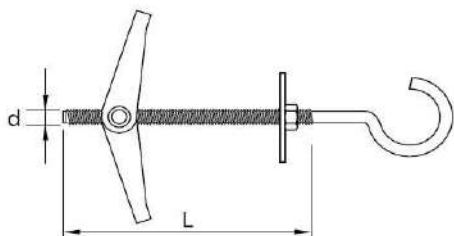




SVRDLO	Ø12	Ø16
--------	-----	-----

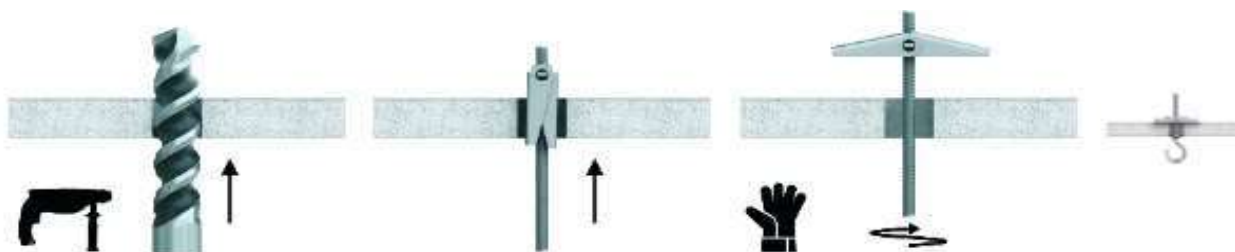
$\frac{D}{L}$	Ø4,0	Ø5,0
50	o	o
75	o	o

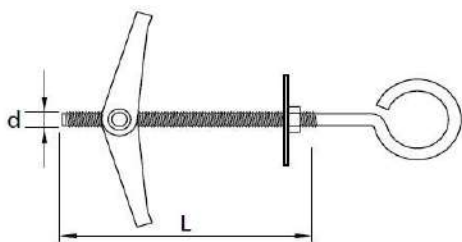




SVRDLO	Ø12	Ø16
--------	-----	-----

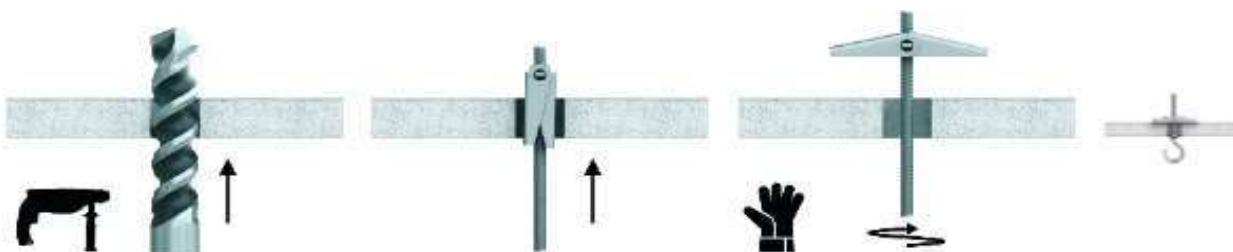
$\frac{D}{L}$	Ø4,0	Ø5,0
50	o	
75	o	o
90		o

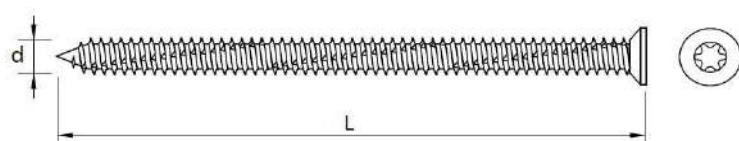




SVRDLO	Ø12	Ø16
--------	-----	-----

$\frac{D}{L}$	Ø4,0	Ø5,0
50	o	
75	o	o
90		o

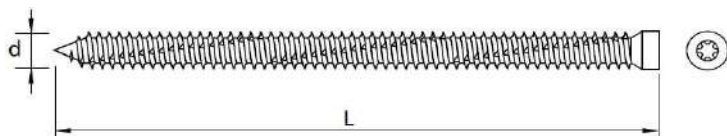




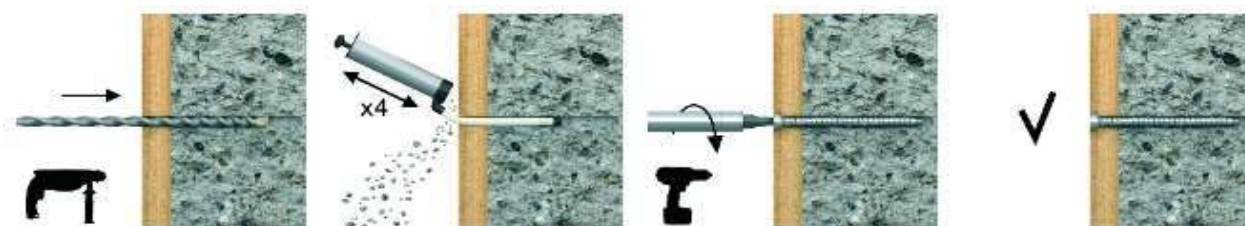
$\frac{D}{L}$	$\varnothing 7,5$	Svrđlo
72	Ø	6,0 / 6,5
92	Ø	6,0 / 6,5
112	Ø	6,0 / 6,5
132	Ø	6,0 / 6,5
152	Ø	6,0 / 6,5
182	Ø	6,0 / 6,5
212	Ø	6,0 / 6,5

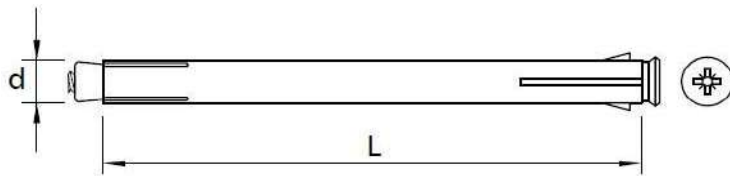


- za montažu pvc i alu stolarije



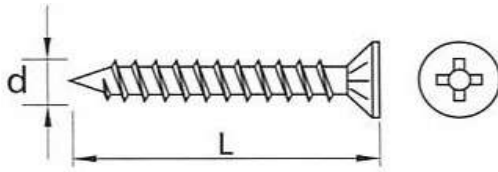
$\frac{D}{L}$	$\varnothing 7,5$	Svrđlo
72	o	6,0 / 6,5
92	o	6,0 / 6,5
112	o	6,0 / 6,5
132	o	6,0 / 6,5
152	o	6,0 / 6,5
182	o	6,0 / 6,5
212	o	6,0 / 6,5





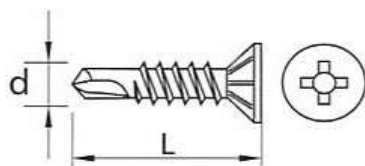
$\frac{D}{L}$	$\varnothing 10$	Svrđlo
72	Ø	10
92	Ø	10
112	Ø	10
132	Ø	10
152	Ø	10
182	Ø	10
202	Ø	10





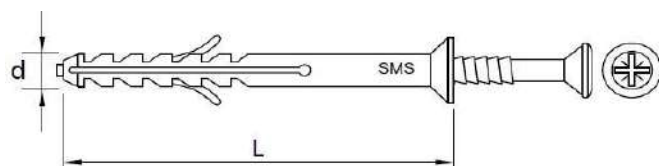
$\begin{array}{c} D \\ L \end{array}$	$\varnothing 4,0$
25	o
30	o
35	o
40	o
45	o
50	o





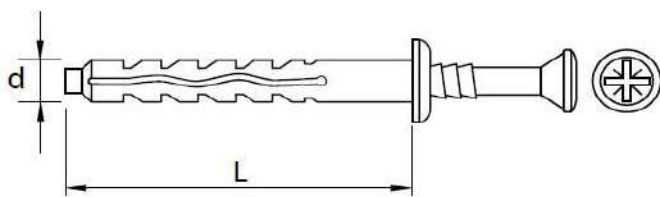
$\begin{array}{c} D \\ L \end{array}$	$\varnothing 3,9$
13	o
16	o
19	o
25	o
32	o
38	o





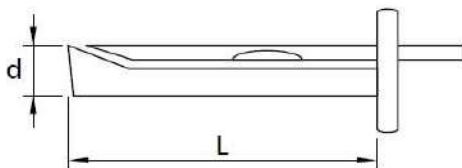
$\begin{smallmatrix} D \\ L \end{smallmatrix}$	Ø6	Ø8	Ø10
40	o		
60	o	o	
80	o	o	o
100		o	o
120		o	o
140		o	o
160		o	o
180			o
200			o
220			o





$\frac{D}{L}$	$\varnothing 6$
40	o
60	o
80	o

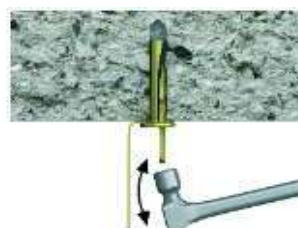


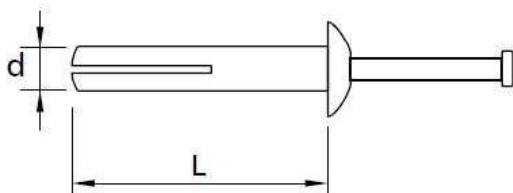


AT-15-9183/2014

$\frac{D}{L}$	$\varnothing 6$
35	o
65	o

Svrdlo
6
6

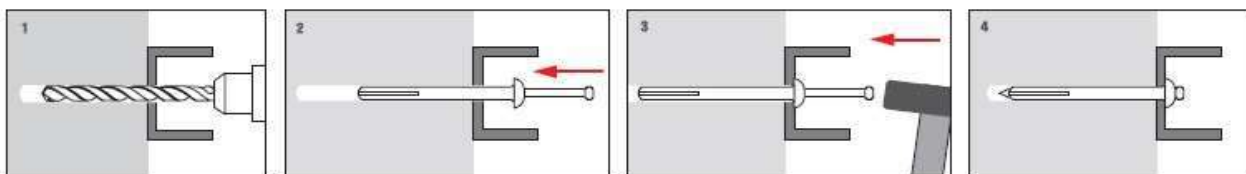


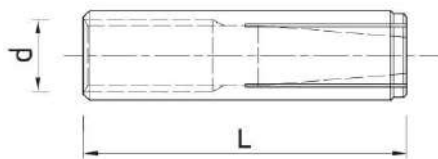


AT-15-9183/2014

$\frac{D}{L}$	$\varnothing 6$
30	o
40	o
50	o
65	o

Svrđlo
6
6
6
6



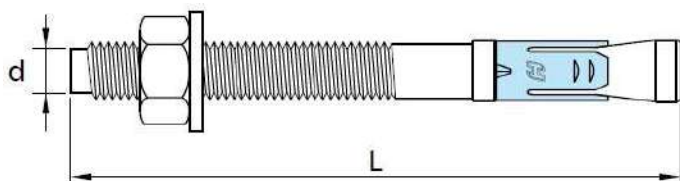


ETA-13/0584

SVRDLO	Ø8	Ø10	Ø12	Ø15	Ø20	Ø25
--------	----	-----	-----	-----	-----	-----

$\frac{D}{L}$	M 6	M 8	M 10	M 12	M 16	M 20
25	o					
30		o				
40			o			
50				o		
65					o	
80						o



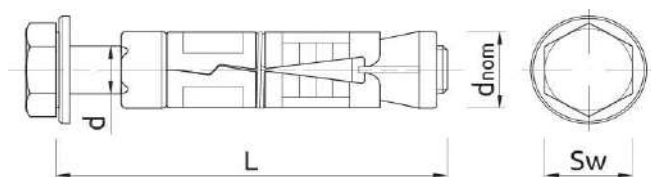


ETA-08/0339

SVRDLO	Ø6	Ø8	Ø10	Ø12	Ø16	Ø20
--------	----	----	-----	-----	-----	-----

$\frac{D}{L}$	M 6	M 8	M 10	M 12	M 16	M 20
60	o	o				
65		o	o			
75		o	o			
80		o	o	o		
85	o	o	o			
90			o			
95		o	o			
100		o	o	o	o	
105					o	
115		o	o			
120		o	o	o		
125				o	o	o
130		o	o			
135				o		
140		o	o	o	o	
150		o	o	o	o	
160				o	o	o
180			o	o	o	
200						o
220					o	
250					o	



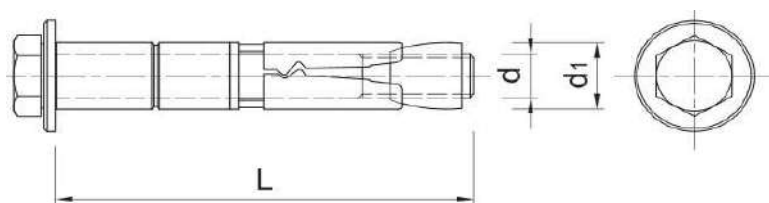


ETA-11/0479

d _{nom}	Ø12	Ø14	Ø16	Ø20	Ø25	Ø32
------------------	-----	-----	-----	-----	-----	-----

$\frac{D}{L}$	M 6	M 8	M 10	M 12	M 16	M 20
55	o					
65		o				
70	o					
75			o			
80		o				
85	o					
90			o	o		
95		o				
105				o		
115			o			
120				o		
125						
135					o	
140		o	o			
150					o	
180					o	
195						o
235						o



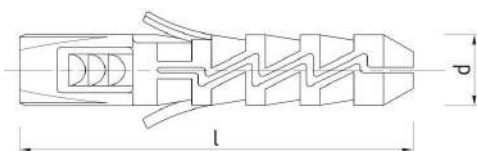


ETA-11/0126

d_1	Ø12	Ø15	Ø18	Ø24	Ø28
-------	-----	-----	-----	-----	-----

$L \backslash D$	M 8	M 10	M 12	M 16	M 20
90	o				
105		o			
110	o				
120		o	o		
140		o			
145				o	
150			o		
170				o	
175					o





$\frac{D}{L}$	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14
25	o					
30		o				
40			o			
50				o		
60					o	
70						o



Concrete



Solid Brick

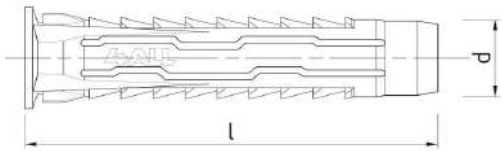


Solid Sand-lime Brick



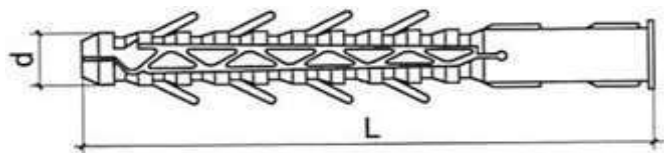
Aerated Concrete Block





$\frac{D}{L}$	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14
25	o					
30		o				
40			o			
50		o		o		
60					o	
65			o			
70						o

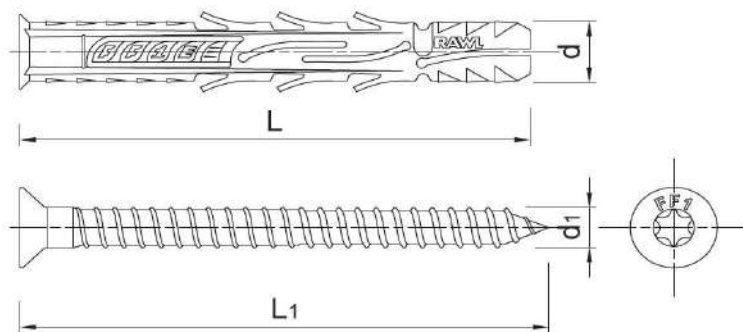




VIJAK	Ø6	Ø8	Ø10	Ø12
-------	----	----	-----	-----

$\begin{matrix} D \\ L \end{matrix}$	Ø8	Ø10	Ø12	Ø16
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		
240				o





ETA-12/0398

$\frac{D}{L}$	$\varnothing 10$
80	o
100	o
120	o
140	o
160	o
200	o
240	o
300	o

d_1	L_1
7	89
7	109
7	129
7	149
7	169
7	209
7	249
7	309

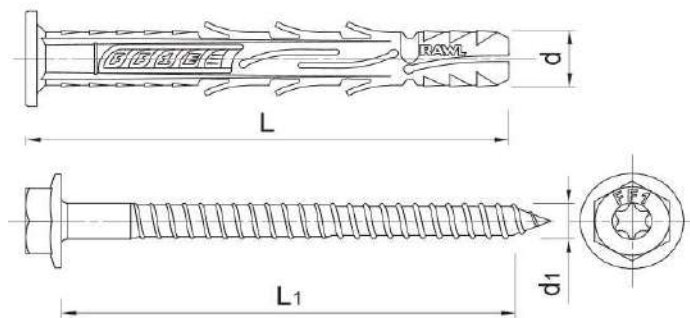


DTS 543

Univerzalna produžena tipla za okvire sa šesterokutnim torx vijkom

Polipropilen / ZN

Polipropilen / A4



ETA-12/0398

$\frac{D}{L}$	$\varnothing 10$
80	○
100	○
120	○
140	○
160	○
200	○
240	○
300	○

d_1	L_1
7	89
7	109
7	129
7	149
7	169
7	209
7	249
7	309

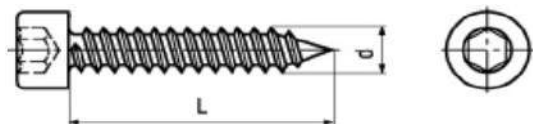


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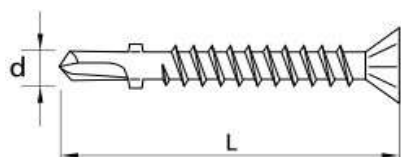
www.e-zeljezara.eu

125.



$\begin{matrix} D \\ L \end{matrix}$	Ø4,8	Ø5,5	Ø6,3
13	o	o	
16	o	o	o
19	o	o	o
22	o	o	o
25	o	o	o
32	o	o	o
38	o	o	o
45	o	o	o
50	o	o	o
60	o	o	o
70	o	o	o
80			o

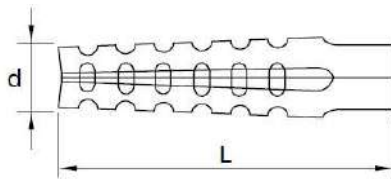


DTS 545*Samobušajući vijak za lim sa upuštenom glavom***PROTECT 1000™***- vijak sa krilcima koristi se za spajanje drvenih podnica na metal***ZN**

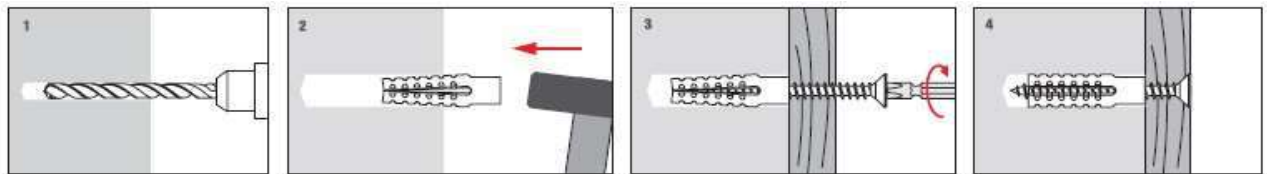
$\begin{matrix} D \\ L \end{matrix}$	Ø4,8	Ø5,5	Ø6,3
32	o		
38	o	o	
45	o	o	
50	o	o	o
55		o	
60			o
65		o	
70			o
80			o
85			o
90			o

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127.



$\frac{D}{L}$	Ø6	Ø8	Ø10
32	o		
38		o	
60		o	o



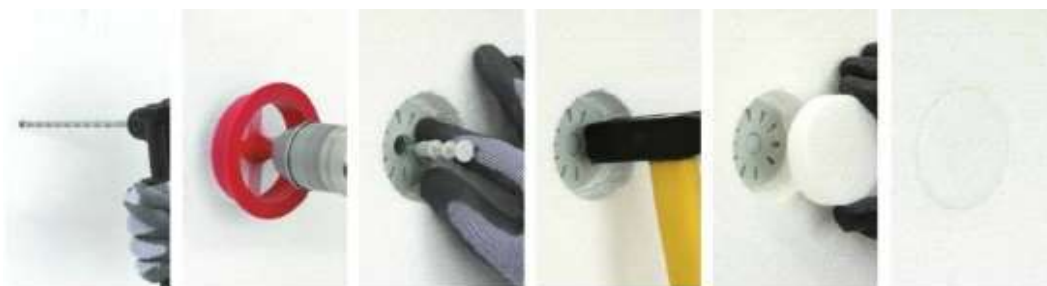
DTS 547

Frezer za rondela

Polipropilen



$\frac{D}{L}$	$\varnothing 67$
20	0



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129.

K2 PRO 9 (280 - 300 ml)



SPC-30101 (380 ml)



SPC-30210 (385 ml)



SPC-30207 PNEUMATSKI (380 ml)



SPC-0300SFPSF1, 300 ml. Polyester (bez stirena)



ETA-12/0450

SPC-0380VIN, 380 ml. Vinylester (bez stirena)



ETA-10/0132



DTS 550

Ručna kliješta za blok zakovice

N-48-010



N-48-001



N-48-002

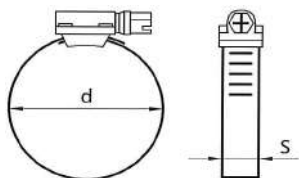


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132.



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



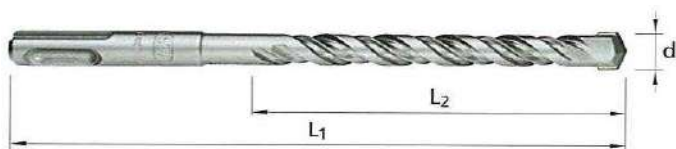


$d \backslash s$	18 mm
17 - 19	o
20 - 22	o
23 - 25	o
26 - 28	o
29 - 31	o
30 - 33	o
32 - 35	o
36 - 39	o
40 - 43	o
44 - 47	o
42 - 46	o
48 - 51	o
52 - 55	o
56 - 59	o
61 - 63	o
64 - 67	o
68 - 73	o
74 - 79	o
80 - 85	o
86 - 91	o
92 - 97	o
98 - 103	o
104-112	o
113-121	o
122-130	o
131-139	o
140-148	o
149-161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

$d \backslash s$	18 mm
227-239	o
240-252	o
268-280	o



SVRDLA ZA BETON " SDS - PLUS "

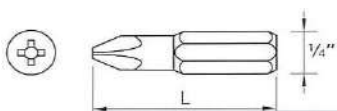


SDS - PLUS Svrđlo za beton DIN 8035
- Sa 2 rezne oštrice.

<i>d</i>	<i>vpc</i>	<i>L₁</i>	<i>L₂</i>
5	o	310	250
6	o	160	100
6	o	210	150
8	o	160	100
8	o	210	150
10	o	160	100
10	o	260	200
10	o	350	300
12	o	160	100
12	o	210	150
16	o	210	150

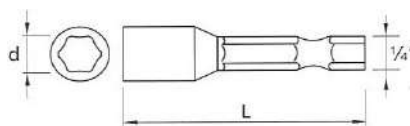


BITEVI I MAGNETNI NASTAVCI



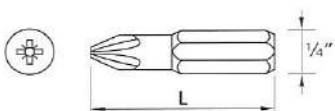
NASTAVAK 1/4" - PH

$\frac{D}{L}$	PH 1	PH 2	PH 3
25	o	o	o
150		o	
200		o	
250		o	
300		o	
350		o	



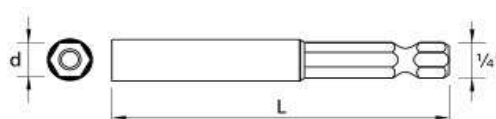
MAGNETNI DRŽAČ 1/4" - OK

$\frac{D}{L}$	OK
6	o
7	o
8	o
10	o
13	o



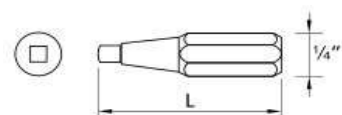
NASTAVAK 1/4" - PZ

$\frac{D}{L}$	PZ 1	PZ 2	PZ 3
25	o	o	o



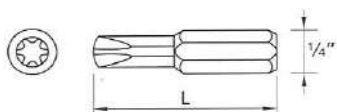
MAGNETNI DRŽAČ 1/4"

$\frac{D}{L}$	1/4"
60	o



NASTAVAK 1/4" - TX

$\frac{D}{L}$	TX 10	TX 15	TX 20
25	o	o	o

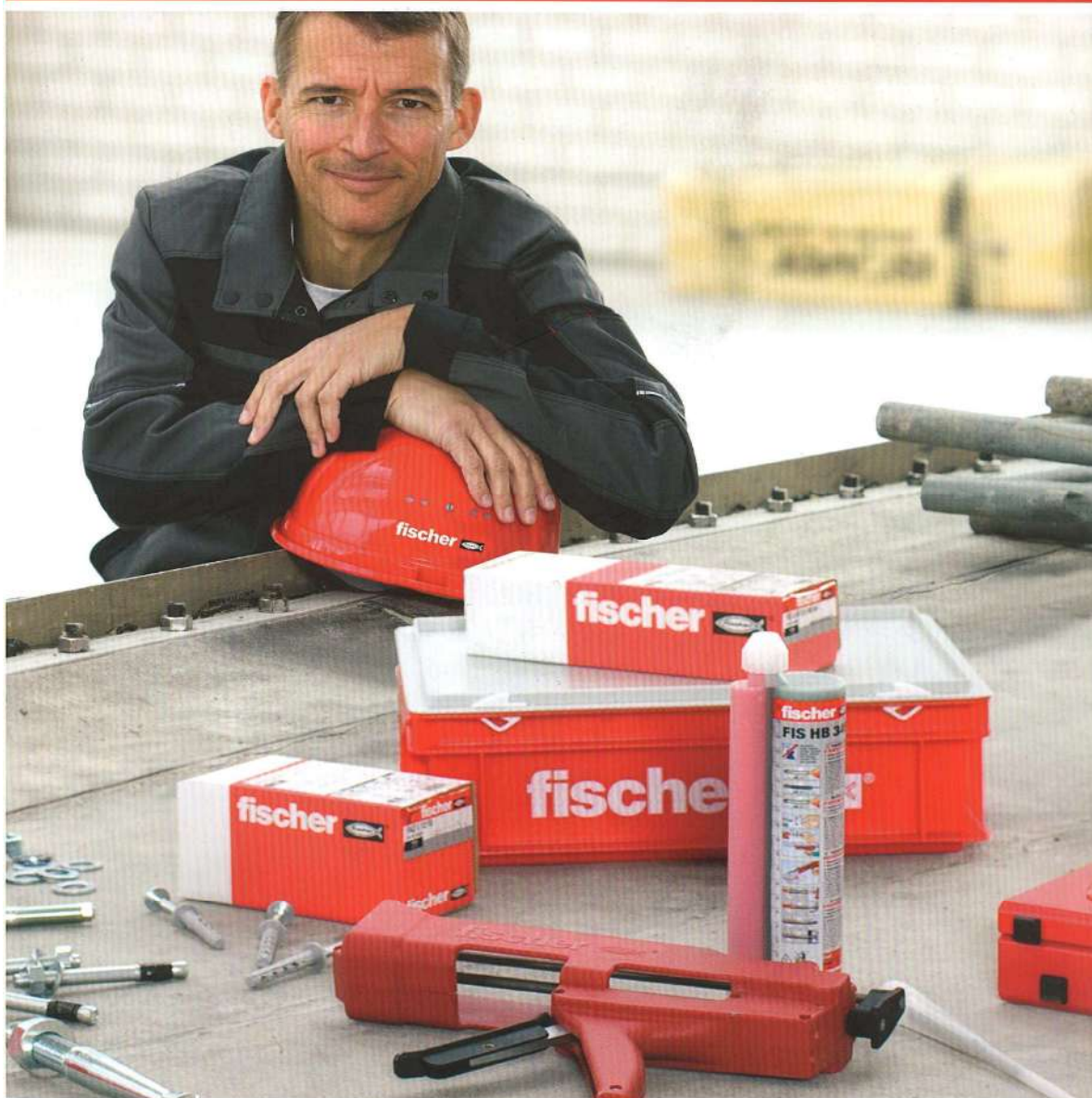


NASTAVAK 1/4" - TX

$\frac{D}{L}$	TX 10	TX 15	TX 20	TX 25	TX 27	TX 30	TX 40
25	o	o	o	o	o	o	o



Pričvrсни sustavi



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PRIČVRŠNI SUSTAVI



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137.

DUOPOWER - TIPLA



Univerzalna tipla za pune i šuplje materijale

- Prilkladna za:
- Beton i prirodni kamen;
 - Punu i šuplju ciglu;
 - Porobeton;
 - Šuplje betonske blokove;
 - Puni panel od gipsa.

Nylon

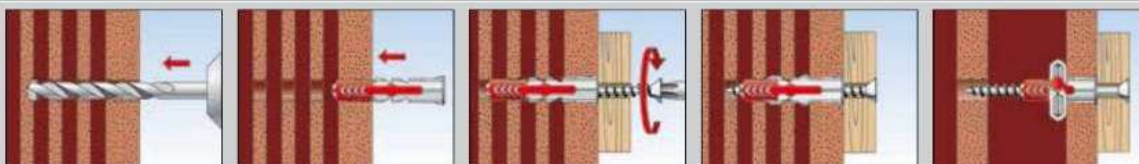


Artikl	Naziv	VPC	Svrđlo	t (mm)	Vijak
535452	DP 5 X 25	o	5	30	Ø 3-4
535453	DP 6 X 30	o	6	40	Ø 4-5
538250	DP 6 X 50	o	6	60	Ø 4-5
535455	DP 8 X 40	o	8	50	Ø 5-6
538251	DP 8 X 65	o	8	70	Ø 5-6
535456	DP 10 X 50	o	10	60	Ø 6-8
538252	DP 10 X 80	o	10	90	Ø 6-8
538253	DP 12 X 60	o	12	70	Ø 8-10
538254	DP 14 X 70	o	14	80	Ø 10-12

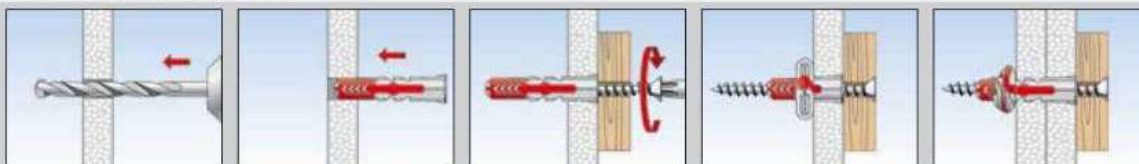
MONTAŽA U PUNIM MATERIJALIMA



MONTAŽA U MATERIJALIMA SA ŠUPLJINAMA



MONTAŽA U PLOČASTIM MATERIJALIMA



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138.

SX - TIPLA



Tipla za pune i šuplje materijale

- Prilkladna za:
- Beton i prirodni kamen;
 - Puni i šuplju ciglu;
 - Porobeton;
 - Šuplje betonske blokove;
 - Puni panel od gipsa.



Artikl	Naziv	VPC	Svrđlo	t (mm)	Vijak
70004	SX 4 X 20	Ø	4	25	Ø 2-3
70005	SX 5 X 25	Ø	5	35	Ø 3-4
70006	SX 6 X 30	Ø	6	40	Ø 4-5
70008	SX 8 X 40	Ø	8	50	Ø 4,5-6
70010	SX 10 X 50	Ø	10	70	Ø 6-8
70012	SX 12 X 60	Ø	12	80	Ø 8-10
70014	SX 14 X 70	Ø	14	90	Ø 10-12
70016	SX 16 X 80	Ø	16	100	Ø 12

Montaža uz prethodno postavljanje tiplje.



Montaža uz istovremeno postavljanje tiplje.



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139.

UX - TIPLA



Univerzalna tipla za pune i šuplje materijale

Prilkladna za:

- Beton i prirodni kamen;
- Punu i šuplju ciglu;
- Porobeton;
- Šuplje betonske blokove;
- Puni panel od gipsa.



Nylon

Artikl	Naziv	VPC	Svrđlo	t (mm)	Vijak
94721	UX 5 X 30	Ø	4	40	Ø 3-4
77888	UX 6 X 35	Ø	5	45	Ø 4-5
77890	UX 6 X 50	Ø	6	60	Ø 4-5
62760	UX 8 X 50	Ø	8	60	Ø 4,5-6
62761	UX 10 X 60	Ø	10	75	Ø 6-8
77892	UX 12 X 70	Ø	12	85	Ø 8-10
77893	UX 14 X 75	Ø	14	95	Ø 10-12

Montaža uz prethodno postavljanje tiplje.



Montaža uz istovremeno postavljanje tiplje.



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140.

N - UDARNA TIPLA

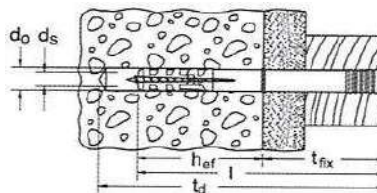
Udarne tiplu sa upuštenu glavom

Nylon



Priladna za:

- Beton i prirodni kamen;
- Punu ciglu, porobeton



Artikl	Naziv	VPC	Svrdlo	t_d (mm)	T_{fix}
50395	N 5 X 30 Z	O	5	40	5
50351	N 5 X 40 Z	O	5	45	15
50352	N 5 X 50 Z	O	5	60	25
50354	N 6 X 40 Z	O	6	60	10
50355	N 6 X 60 Z	O	6	75	30
50353	N 6 X 80 Z	O	6	85	50
50356	N 8 X 60 Z	O	8	95	20
50358	N 8 X 80 Z	O	8	40	40
50357	N 8 X 100 Z	O	8	45	60
50359	N 8 X 120 Z	O	8	60	80
50346	N 10 X 100 Z	O	10	60	50
50347	N 10 X 135 Z	O	10	75	85
50348	N 10 X 160 Z	O	10	85	110
50335	N 10 X 230 Z	O	10	95	180



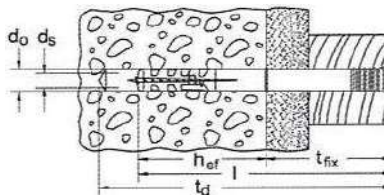
NU - UDARNA TIPLA

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BEFESTIGUNGSSYSTEME



Udarne tipla sa gljivastom glavom

Priladna za: - Beton i prirodni kamen;
- Punu ciglu, porobeton



Nylon

Artikl	Naziv	VPC	Svrdlo	t_d (mm)	T_{fix}
78392	NU 5 X 25 ZZ	O	5	35	2
78394	NU 5 X 36 ZZ	O	5	46	6
93106	NU 5 X 45 ZZ	O	5	55	15
93107	NU 6 X 35 ZZ	O	6	45	5
93108	NU 6 X 42 ZZ	O	6	52	12
93109	NU 6 X 55 ZZ	O	6	65	25
93110	NU 6 X 70 ZZ	O	6	80	40
93111	NU 8 X 45 ZZ	O	8	55	5
93112	NU 8 X 57 ZZ	O	8	67	12
93113	NU 8 X 75 ZZ	O	8	85	30
93977	NU 8 X 100 Z	O	8	110	60
93978	NU 8 X 120 Z	O	8	130	80



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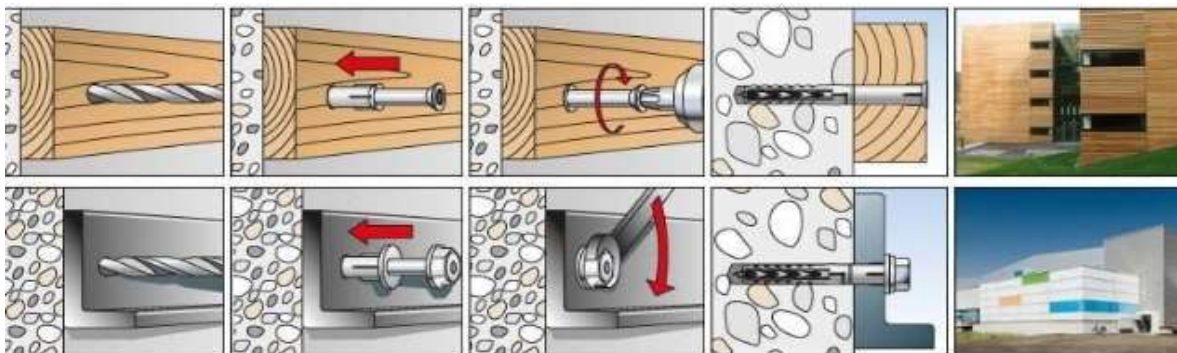
SXR FUS - TIPLA

Tipla za okvire sa sigurnosnim vijkom šesterokutne glave i torx dosjedom

Nylon



Artikl	Naziv	VPC	Svrđlo	t_d (mm)	T_{fix}
502456	SXR 10 X 52 FUS	O	10	42	2
46329	SXR 10 X 60 FUS	O	10	70	10
46330	SXR 10 X 80 FUS	O	10	90	30
46331	SXR 10 X 100FUS	O	10	110	50
46332	SXR 10 X 120FUS	O	10	130	70
46333	SXR 10 X 140FUS	O	10	150	90
46334	SXR 10 X 160FUS	O	10	170	110
46335	SXR 10 X 180FUS	O	10	190	130
46336	SXR 10 X 200FUS	O	10	210	150
46337	SXR 10 X 230FUS	O	10	240	180
46338	SXR 10 X 260FUS	O	10	270	210



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FUR T - TIPLA

Tipla za okvire sa sigurnosnim vijkom upuštene glave
sa torx dosjedom

Nylon



Artikl	Naziv	VPC	Svrdlo	t_d (mm)	d_a
70110	FUR 8 X 80 T	O	8	90	10
70111	FUR 8 X 100 T	O	8	110	30
70112	FUR 8 X 120 T	O	8	130	50
88756	FUR 10 X 80 T	O	10	90	10
88757	FUR 10 X 100 T	O	10	110	30
88760	FUR 10 X 115 T	O	10	125	45
88758	FUR 10 X 135 T	O	10	145	65
88759	FUR 10 X 160 T	O	10	170	90
88761	FUR 10 X 185 T	O	10	195	115
88764	FUR 10 X 200 T	O	10	210	130
88762	FUR 10 X 230 T	O	10	240	160
48711	FUR 14 X 100 T	O	14	115	30
48712	FUR 14 X 140 T	O	14	155	70
48713	FUR 14 X 165 T	O	14	180	95
48714	FUR 14 X 180 T	O	14	195	110
48844	FUR 14 X 210 T	O	14	225	140
48715	FUR 14 X 240 T	O	14	255	170
48716	FUR 14 X 270 T	O	14	285	200
90759	FUR 14 X 300 T	O	14	315	230
90760	FUR 14 X 330 T	O	14	345	260
90761	FUR 14 X 360 T	O	14	375	290



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144.

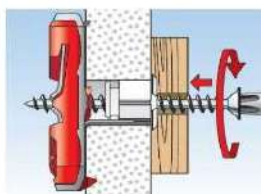
DUOTEC - TIPLA

Preklopna tipla za visoka opterećenja u gipsanim pločama

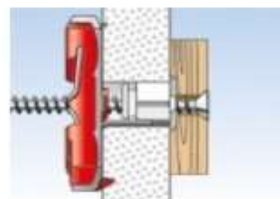
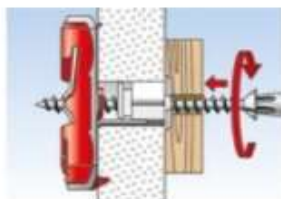
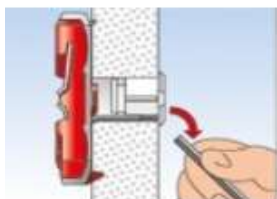
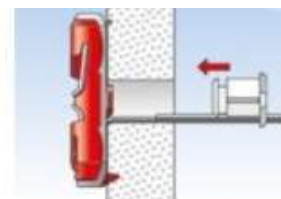
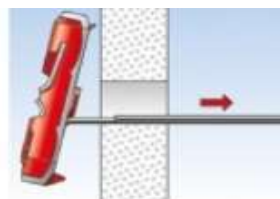
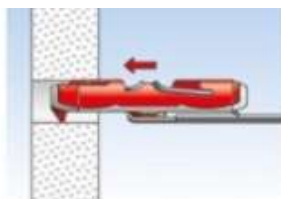
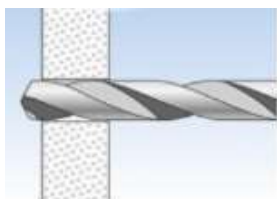
Nylon



DUOTEC



Artikl	Naziv	VPC	Svrđlo	Vijak	
537260	DUOTEC	Ø	10	Ø 4,5 - 5	
537261	DUOTEC S	Ø	10	Ø 4,5 - 5	
539026	DUOTEC S PH	Ø	10	Ø 4,5 - 5	



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TIPLE ZA KNAUF

Puž tiple za gips ploče

Nylon
ZN



- Najlonska puž tipla za gipskartonske ploče GK



Artikl	Naziv	VPC	I	t	Vijak
52389	GK	O	22	25	Ø 4,0

- Metalna puž tipla za gipskartonske ploče GKM



Artikl	Naziv	VPC	I	t	Vijak
24556	GKM	O	31	35	Ø 4,0-5,0

-Najlonska tipla sa čepom za gipskartonske ploče PD

PD

PD S



Artikl	Naziv	VPC	Svrđlo	t	I	Vijak
24771	PD 8	O	8	31	29	Ø 4,0
15935	PD 10	O	10	30	28	Ø 5,0
15937	PD 12	O	12	29	27	Ø 6,0
24772	PD 8 S	O	8	31	29	Ø 4,0X40
15936	PD 10 S	O	10	30	28	Ø 5,0X40
15938	PD 12 S	O	12	29	27	Ø 6,0X50



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GS - VIJAK



Vijak sa okom za sidrenje oplata

ZN

Prilkladna za:

- Beton i prirodni kamen;
- Punu ciglu;
- Porobeton.



- Svornjak sa okom za skele.

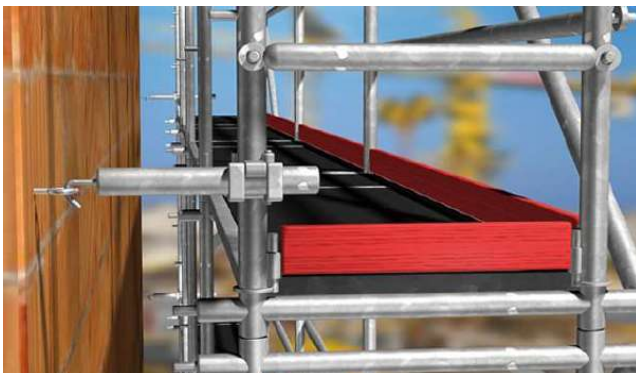
Artikl	Naziv	VPC	d_s	t_{fix}	$\varnothing_{oka}$
80925	GS 12 X 90	O	12	15	23
80926	GS 12 X 120	O	12	45	23
80927	GS 12 X 160	O	12	85	23
80960	GS 12 X 190	O	12	115	23
80961	GS 12 X 230	O	12	155	23
81269	GS 12 X 300	O	12	225	23
80962	GS 12 X 350	O	12	275	23
41418	GS 12 X 450	O	12	275	23



Nylon

- Tipla dugog tijela prikladana za sidrenje svornjaka sa okom

Artikl	Naziv	VPC	Svrdlo	$t_d (mm)$	t_{fix}
59194	S 14 R 90	O	14	100	25



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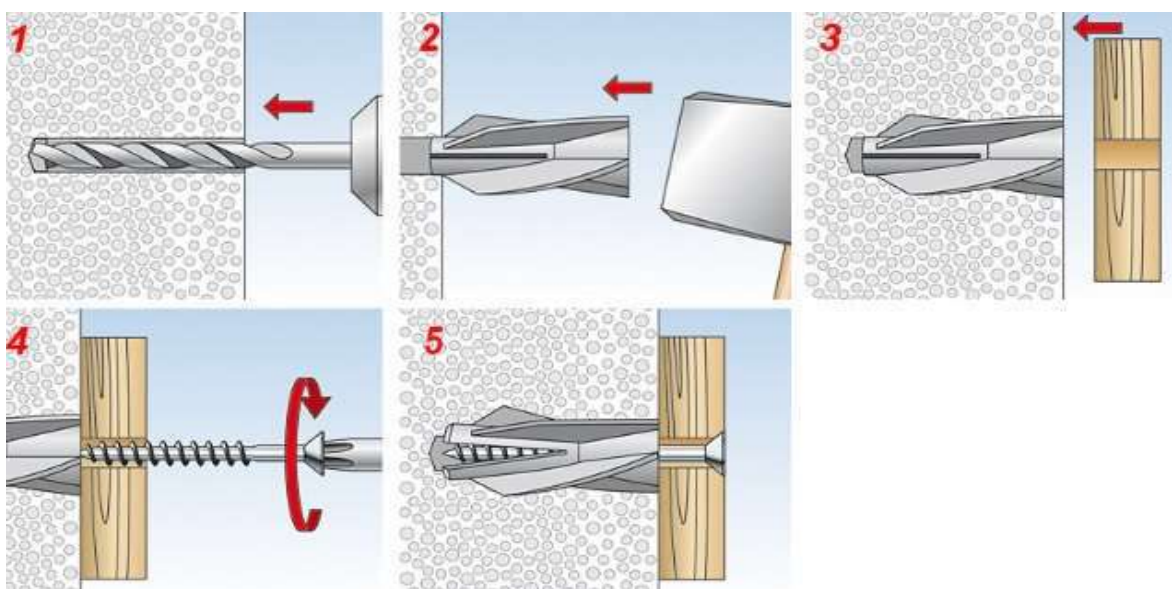
GB - TIPLA

Tipla za porobeton

Nylon



Artikl	Naziv	VPC	Svrđlo	t (mm)	Vijak
50491	GB 8	o	8	60	Ø 5,0
50492	GB 10	o	10	65	Ø 7,0
50493	GB 14	o	14	90	Ø 10,0



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148.

FID - TIPLA

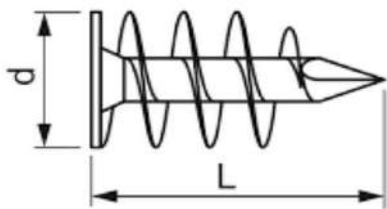


Tipla za stiropor

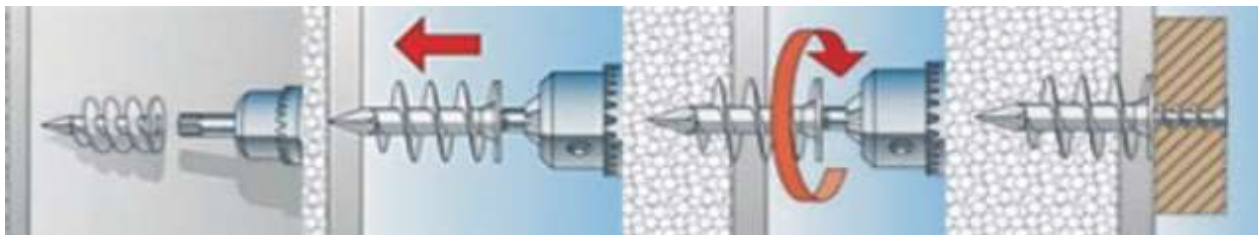
Nylon

Prilkladna za:

- Polistirenske ploče;
- Ploče za visokootporne poliuretanske pjene;
- Elemente za pričvršćivanje izolacije.



Artikl	Naziv	VPC	l (mm)	Vijak
48213	FID 50	O	50	Ø4,5-5,0



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149.

EA - UDARNO SIDRO

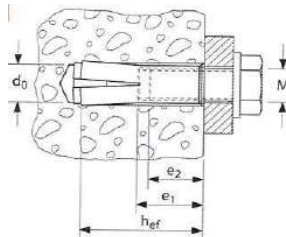


Čelična udarna tipla

Prilkladna za:

- Beton B 15;

- Prirodni kamen guste strukture.



Artikl	Naziv
90159	EA M 6
90160	EA M 8
90161	EA M 10
90162	EA M 12
90163	EA M 16
90164	EA M 20

VPC	Svrdlo	t (mm)	l	hef
○	8	32	30	30
○	10	33	30	30
○	12	43	40	40
○	15	54	50	50
○	20	70	65	65
○	24	85	80	80

EA II - UDARNO SIDRO



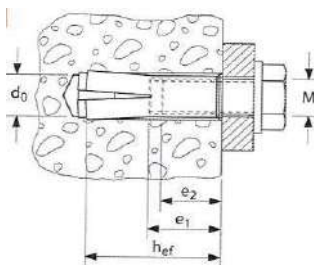
Čelična udarna tipla

Prilkladna za:

- Beton B 15;

- Nenapuknuti beton B25 do B55 i C20/25 do C50/60;

- Prirodni kamen guste strukture.



Artikl	Naziv
48264	EA II M 6
48284	EA II M 8
48339	EA II M 10
48406	EA II M 12
48408	EA II M 16
48409	EA II M 20

VPC	Svrdlo	t (mm)	l	hef
○	8	32	30	30
○	10	33	30	30
○	12	43	40	40
○	15	54	50	50
○	20	70	65	65
○	24	85	80	80



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150.

TA - SIDRO

Visokoučinkovita čelična tipla za velika opterećenja

ZN



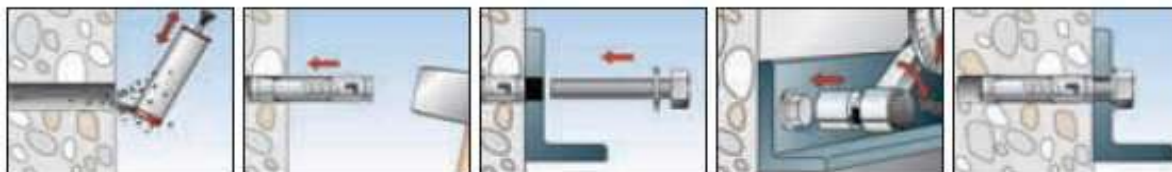
Prilagan za:

- Beton C 12 / 15 do C 50 / 60;
- Prirodni kamen guste strukture.



Artikl	Naziv	VPC	Svrđlo	t (mm)	l
90245	TA M 6	O	10	65	49
90246	TA M 8	O	12	70	56
90247	TA M 10	O	15	90	69
90248	TA M 12	O	18	105	86

montaža uz prethodno postavljanje sidra.



Montaža uz istovremeno postavljanje sidra.



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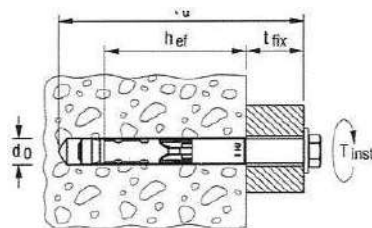
FH II-S - SIDRO



Odobrenje za potres od
Saveznog ureda za
civilnu zaštitu, Bonn.

Visokoučinkovita čelična tipla za velika opterećenja

Prilagan za: - Napuknuti i nenapuknuti beton B25 do B65 ili
za C20 / 25 do C50 / 60;
- Prirodni kamen guste strukture.



Artikl	Naziv	VPC	Svrđlo	t_d	h_{ef}	l	t_{fix}	Navoj
503133	FH II 10/10 S	o	10	65	40	70	10	M 6
503134	FH II 10/25 S	o	10	80	40	85	25	M 6
503135	FH II 10/50 S	o	10	105	40	110	50	M 6
044884	FH II 12/10 S	o	12	90	60	90	10	M 8
044885	FH II 12/25 S	o	12	105	60	105	25	M 8
044886	FH II 12/50 S	o	12	130	60	130	50	M 8
044887	FH II 15/10 S	o	15	100	70	106	10	M 10
044888	FH II 15/25 S	o	15	115	70	121	25	M 10
044889	FH II 15/50 S	o	15	140	70	146	50	M 10
046847	FH II 18/10 S	o	18	115	80	118	10	M 12
044894	FH II 18/25 S	o	18	130	80	132	25	M 12
044896	FH II 18/50 S	o	18	155	80	157	50	M 12
044898	FH II 24/25 S	o	24	150	100	160	25	M 16
044900	FH II 24/50 S	o	24	175	100	185	50	M 16
044901	FH II 28/30 S	o	28	185	125	192	30	M 20
044902	FH II 28/60 S	o	28	215	125	222	60	M 20
044903	FH II 32/30 S	o	32	210	150	215	30	M 24
044904	FH II 32/60 S	o	32	210	150	245	60	M 24



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152.

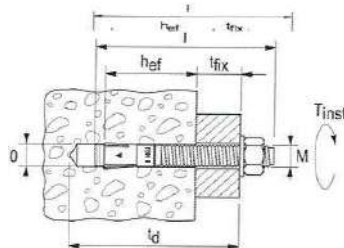
FBN II - SIDRENI VIJAK



R zuporni anker vijak za nenapuknutu tlačnu zonu

Prilakan za: - Nenapuknuti beton C20/25 do C50/60

- Prirodni kamen guste strukture.



Artikl	Naziv	VPC	Svrđlo	t_d	h_{ef}	l	t_{fix}
505526	FBN II 6/5	O	6	45	30	50	5
505527	FBN II 6/10	O	6	50	30	55	10
505528	FBN II 6/30	O	6	70	30	75	30
40662	FBN II 8/5	O	8	61	40/30	66	5/15
40664	FBN II 8/10	O	8	66	40/30	71	10/20
40669	FBN II 8/20	O	8	76	40/30	81	20/30
40700	FBN II 8/30	O	8	86	40/30	91	30/40
40771	FBN II 8/50	O	8	106	40/30	111	50/60
40777	FBN II 8/70	O	8	126	40/30	131	70/80
40783	FBN II 8/100	O	8	156	40/30	161	100/110
40827	FBN II 10/10	O	10	78	50/40	86	20/20
40851	FBN II 10/20	O	10	88	50/40	96	20/30
40854	FBN II 10/30	O	10	98	50/40	106	30/40
40855	FBN II 10/50	O	10	118	50/40	126	50/60
40931	FBN II 10/70	O	10	138	50/40	146	70/80
40943	FBN II 10/100	O	10	168	50/40	176	100/110
40944	FBN II 10/140	O	10	208	50/40	216	140/150
40945	FBN II 10/160	O	10	228	50/40	236	160/170
40950	FBN II 12/10	O	12	95	65/50	106	10/25
44558	FBN II 12/20	O	12	105	65/50	116	20/35
45263	FBN II 12/30	O	12	115	65/50	126	30/45
45264	FBN II 12/50	O	12	135	65/50	146	50/65
45265	FBN II 12/80	O	12	165	65/50	176	80/95
45266	FBN II 12/100	O	12	185	65/50	196	100/115
45267	FBN II 12/120	O	12	205	65/50	216	120/135
45268	FBN II 12/140	O	12		65/50	236	140/155
45269	FBN II 12/160	O	12	245	65/50	256	160/175
45564	FBN II 16/25	O	16	129	80/65	145	25/40
45565	FBN II 16/50	O	16	154	80/65	170	50/65
45566	FBN II 16/80	O	16	184	80/65	200	80/95
45567	FBN II 16/100	O	16	204	80/65	220	100/115
45568	FBN II 16/140	O	16	244	80/65	260	140/155
45569	FBN II 16/160	O	16	264	80/65	280	160/175
45570	FBN II 16/200	O	16	304	80/65	320	200/215
45573	FBN II 20/30	O	20	165	105/80	184	30/55
45574	FBN II 20/60	O	20	195	105/80	214	60/85
45575	FBN II 20/80	O	20	215	105/80	234	80/105
45576	FBN II 20/120	O	20	255	105/80	274	120/145

FAZ II - SIDRENI VIJAK

Anker vijak za napuknutu tlačnu zonu

**ZN
A4**

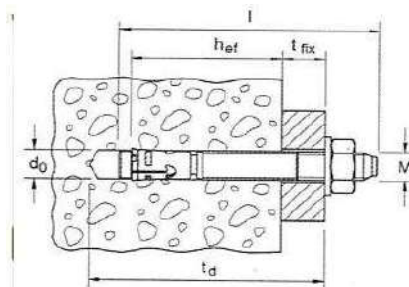


Prilakan za:

- Napuknuti i nenapuknuti beton C20/25 do C50/60
- Prirodni kamen guste strukture.



Odobrenje za potres od
Saveznog ureda za
civilnu zaštitu, Bonn.



Artikl	Naziv	VPC	Svrđlo	t_d	h_{ef}	l	t_{fix}
94871	FAZ II 8/10	O	8	75	45	77	10
94877	FAZ II 8/30	O	8	95	45	97	30
94878	FAZ II 8/50	O	8	115	45	117	50
94879	FAZ II 8/100	O	8	165	45	167	100
503251	FAZ II 8/160	O	8	225	45	225	160
94981	FAZ II 10/10	O	10	90	60	95	10
94982	FAZ II 10/20	O	10	100	60	105	20
94983	FAZ II 10/30	O	10	110	60	115	30
94984	FAZ II 10/50	O	10	130	60	135	50
94985	FAZ II 10/80	O	10	160	60	165	80
94986	FAZ II 10/100	O	10	180	60	185	100
503252	FAZ II 10/160	O	10	240	60	245	160
95419	FAZ II 12/10	O	12	105	70	110	10
95420	FAZ II 12/20	O	12	115	70	120	20
95421	FAZ II 12/30	O	12	125	70	130	30
95446	FAZ II 12/50	O	12	145	70	150	50
95454	FAZ II 12/80	O	12	175	70	180	80
95470	FAZ II 12/100	O	12	195	70	200	100
503253	FAZ II 12/160	O	12	255	70	260	160
95605	FAZ II 12/200	O	12	295	70	300	200
95836	FAZ II 16/25	O	16	140	85	150	25
95864	FAZ II 16/50	O	16	165	85	175	50
95865	FAZ II 16/100	O	16	215	85	225	100
503254	FAZ II 16/160	O	16	273	85	283	160
95967	FAZ II 16/200	O	16	315	85	325	200
95968	FAZ II 16/250	O	16	365	85	375	250
96188	FAZ II 16/300	O	16	415	85	425	300
46632	FAZ II 20/30	O	20	155	100	172	30
46633	FAZ II 20/60	O	20	185	100	202	60
503255	FAZ II 20/160	O	20	285	100	302	160
46635	FAZ II 24/30	O	24	185	125	205	30
46636	FAZ II 24/60	O	24	215	125	235	60



FIS A - NAVOJNA ŠIPKA

Sidrenje bez korištenja razuporne sile.

ZN

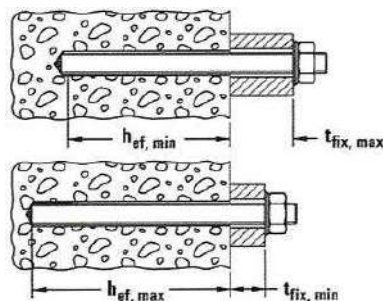


Odobreno u kombinaciji s injekcijskim mortom FIS V:

- Beton C20/25 do C50/60

Odobreno u kombinaciji s injekcijskim mortom FIS VS i FIS EM

- Beton C12/15



Artikl	Naziv	VPC	Svrđlo	$h_{ef, min.}$	$t_{fix, min.}$	$h_{ef, max.}$	$t_{fix, max.}$	Skala
46204	FIS A M 6X70	O	8	50	7	66	1	2
90243	FIS A M 6X75	O	8	50	17	66	1	2
90272	FIS A M 6X85	O	8	50	27	72	5	2
90273	FIS A M 6X110	O	8	50	52	72	30	2
46206	FIS A M 8X70	O	10	64	7	72	1	2-3
90274	FIS A M 8X90	O	10	64	17	80	1	2-3
90275	FIS A M 8X110	O	10	64	37	96	5	2-3
90276	FIS A M 8X130	O	10	64	57	96	25	2-3
90277	FIS A M 8X175	O	10	64	102	96	70	2-3
90278	FIS A M 10X110	O	12	80	18	97	1	3-5
90279	FIS A M 10X130	O	12	80	35	117	1	3-5
90281	FIS A M 10X150	O	12	80	38	120	19	3-5
44969	FIS A M 10X170	O	12	80	41	120	42	3-5
90282	FIS A M 10X200	O	12	80	108	120	69	3-5
44971	FIS A M 12X120	O	14	96	10	97	2	4-6
90283	FIS A M 12X140	O	14	96	30	124	2	4-6
90284	FIS A M 12X160	O	14	96	50	144	2	4-6
90285	FIS A M 12X180	O	14	96	70	144	22	4-6
90286	FIS A M 12X210	O	14	96	100	144	52	4-6
90287	FIS A M 12X260	O	14	96	150	144	102	4-6
44972	FIS A M 16X130	O	18	125	12	117	3	8-11
90288	FIS A M 16X175	O	18	125	32	154	3	8-11
90289	FIS A M 16X200	O	18	125	57	172	3	8-11
90290	FIS A M 16X250	O	18	125	107	192	40	8-11
90291	FIS A M 16X300	O	18	125	157	192	90	8-11
90292	FIS A M 20X245	O	24	160	63	219	4	20-29
90293	FIS A M 20X290	O	24	160	108	240	28	20-29
90294	FIS A M 24X290	O	28	192	72	260	4	28-42
90295	FIS A M 24X380	O	28	192	162	288	66	28-42
90296	FIS A M 30X340	O	35	240	68	303	5	53-79
90297	FIS A M 30X430	O	35	240	158	360	38	53-79



RG - NAVOJNA ŠIPKA

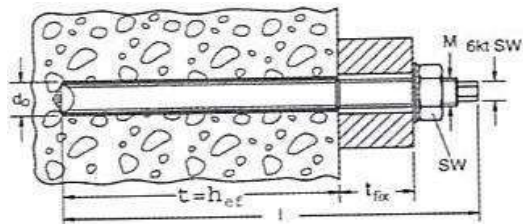


Sidrenje bez korištenja razuporne sile u nenapuknutom

ZN

betonu

- Nenapuknuti beton C12/15 i maksimalno C50/60



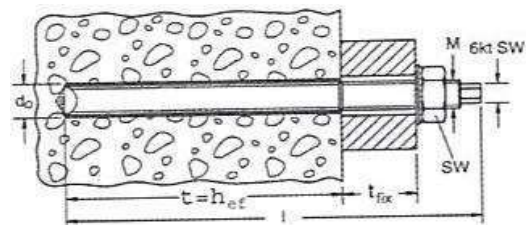
Artikl	Naziv	VPC	h_{ef}	t_{fix}
50256	RG M 8X110	O	80	13
95698	RG M 8X150	O	80	60
95699	RG M 8X250	O	80	160
50257	RG M 10X130	O	90	20
50280	RG M 10X165	O	90	57
50281	RG M 10X190	O	90	82
95703	RG M 10X250	O	90	150
95718	RG M 10X350	O	90	250
50258	RG M 12X160	O	110	25
50283	RG M 12X220	O	110	90
50284	RG M 12X250	O	110	120
50285	RG M 12X300	O	110	170
95720	RG M 12X380	O	110	255
50286	RG M 14X170	O	120	38
50287	RG M 16X165	O	125	13
50259	RG M 16X190	O	125	35
50288	RG M 16X250	O	125	98
50289	RG M 16X300	O	125	148
95722	RG M 16X380	O	125	235
95723	RG M 16X500	O	125	355
90176	RG M 16X235E	O	190	20
50260	RG M 20X260	O	170	65
95707	RG M 20X350	O	170	155
95725	RG M 20X500	O	170	305
90718	RG M 20X330E	O	240	60
50261	RG M 24X300	O	210	65
95727	RG M 24X400	O	210	165
95728	RG M 24X600	O	210	365
90719	RG M 24X380E	O	290	60
90720	RG M 27X340	O	250	60
50262	RG M 30X380	O	280	65
95730	RG M 30X500	O	280	185



R - KEMIJSKA AMPULA

Sidrenje bez korištenja razuporne sile u nenapuknutom betonu

- Nenapuknuti beton C12/15 i maksimalno C50/60



Artikl	Naziv	VPC	d_0	t	h_{ef}
50270	R M 8	O	10	80	80
50271	R M 10	O	12	90	90
50272	R M 12	O	14	110	110
50278	R M 14	O	16	120	120
50273	R M 16	O	18	125	125
79838	R M 16 E	O	18	190	190
50274	R M 20	O	25	170	170
79840	R M 20 E	O	25	240	240
50275	R M 24	O	28	210	210
79842	R M 24 E	O	28	290	290
79843	R M 27	O	32	250	250
50276	R M 30	O	35	280	280



FIS H K - KOŠULJICA INJEKCIJSKOG SIDRA



U kombinaciji sa injekcijskim mortom FIS V, FIS VT, FIS EM, FIS VS.

- Prilagan za:
- Okomito perforiranu ciglu;
 - Šuplje blokove;
 - Punu ciglu;
 - Šuplje rebraste stropne ispune.



Artikl	Naziv	VPC	D_0	t	h_{ef}	Skala
41900	FIS H 12X50 K	○	12	60	50	5
41901	FIS H 12X85 K	○	12	95	85	10
41902	FIS H 16X85 K	○	16	95	85	12
41903	FIS H 16X130 K	○	16	140	130	15
41904	FIS H 20X85 K	○	20	95	85	15
46703	FIS H 20X130 K	○	20	140	130	25
46704	FIS H 20X200 K	○	20	210	200	40



Kemijski injekcijski mort



Artikl	Naziv	VPC
502291	FIS VT 300 T	O



41846	FIS V 360 S	O
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93048	FIS EM 390 S	O
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ČETKICA ZA ČIŠČENJE PROVRTA



BS

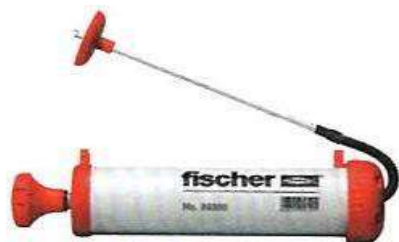


FIS



Artikl	Naziv	VPC
78178	BS Ø 10	0
78182	BS Ø 24	0
78183	BS Ø 28	0
78184	BS Ø 35	0
48980	FIS 14/20	0
48981	FIS 20/30	0

PUMPA ZA ČIŠČENJE PROVRTA



Artikl	Naziv	VPC
89300	ABG	0



DANTECH SOLUTIONS

dantech@net.amis.hr

www.e-zeljezara.eu

160.

LBV - Perforirana traka

Perforirana traka za rezanje

ZN



Artikl	Naziv	VPC	Dužina
79549	LBV 12	0	10
79550	LBV 17	0	10
79551	LBV 25	0	10



DANTECH SOLUTIONS

dantech@net.amis.hr

www.e-zeljezara.eu

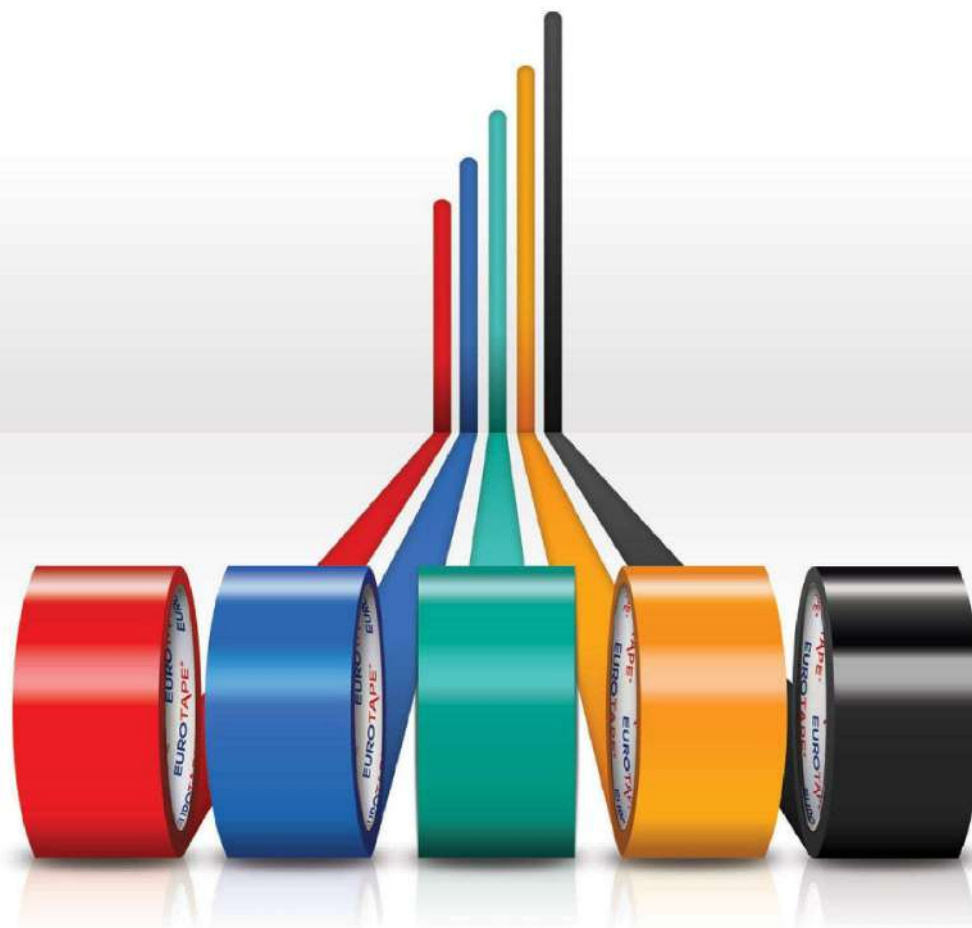
BN - Kabelska vezica



Artikl	Naziv	VPC
87478	BN 2,5X100	O
87479	BN 2,5X120	O
87480	BN 2,5X200	O
87481	BN 3,6X150	O
19802	BN 3,6X200	O
37490	BN 3,6X300	O
87484	BN 4,6X200	O
37582	BN 4,8X250	O
87485	BN 4,8X280	O
37653	BN 4,8X350	O
37583	BN 4,8X370	O
37708	BN 4,8X430	O
87487	BN 7,6X350	O
37996	BN 7,6X450	O
37997	BN 7,6X550	O
37998	BN 8,8X760	O
38000	BN 8,8X810	O
38002	BN 8,8X1168	O



EUROTAPE®



STICK WITH US



Havana traka za pakiranje BOPP (PVC) - Solvent 28 my

Dimenzija	VPC	Pakirano	Boja	Tisak
50mm x 66 m	O	36	Prozirna, Bijela, Smeđa	na upit
50mm x 150 m	O	-	Prozirna, Bijela, Smeđa	na upit
50mm x 330 m	O	-	Prozirna, Bijela, Smeđa	na upit

PACKAGING TAPE SOLVENT-TTS

EUROTAPE®
NASTRI ADESIVI



LOW TEMP.



OFFICE



MANUAL



HEAVY WEIGHT



AUTOMATIC



Single sided adhesive tape for multiple purpose. Recommended for closing foil packages, e.g. stretch foil and heavy boxes

Technical specification:

Feature	Characteristic
Carrier	BOPP
Background colours available	White, Brown, Transparent
Glue	Solvent

Feature	Unit	Average value	Norm
Width	[mm]	9,12,19,25,30,36,38,48,50,60,72,75,100,120,150	-
Core diameter	[mm]	76	-
Tape thickness	[µm]	40	EN 1942
Elongation at break	[%]	140	-
Tensile strength	[N/mm ²]	140	-
Adhesion at 180°	[N/inch]	4,0 [≥2,0]	EN 1939
Shear	[h]	≥120	EN 1943



Havana traka za pakiranje BOPP - Silent acrylic 28my

Dimenzija	VPC	Pakirano	Boja	Tisak
48mm x 66 m	O	36	Prozirna, Bijela, Smeđa	na upit
48mm x 150 m	O	-	Prozirna, Bijela, Smeđa	na upit
48mm x 330 m	O	-	Prozirna, Bijela, Smeđa	na upit

PACKAGING TAPE SILENT ACRYLIC-TPC

EUROTAPE[®]
SILENT



Single sided tape on BOPP foil. Silent unwinding increases the comfort of application. Perfect also in temperatures. Available colors: transparent, brown, white. Tapes are available in different sizes.

Technical specification:

Feature	Characteristic
Carrier	BOPP
Background colours available	White, Brown, Transparent
Glue	Silent acrylic

Feature	Unit	Average value	Norm
Width	[mm]	19,25,30,36,38,48,50,60,72,75,100,120,150	-
Core diameter	[mm]	76	-
Tape thickness	[μm]	48	EN 1942
Elongation at break	[%]	140	-
Tensile strength	[N/mm ²]	140	-
Adhesion at 180°	[N/inch]	4,5 [≥3,0]	EN 1939
Shear	[h]	≥120	EN 1943



TM - krep traka, Hot melt (do 50 ° c)

Dimenzija	VPC	Pakirano	Boja
19mm x 50 m	o	48	žuta
25mm x 50 m	o	36	žuta
30mm x 50 m	o	32	žuta
38mm x 50 m	o	24	žuta
48mm x 50 m	o	24	žuta

MASKING TAPE-TM

EUROTAPE[®]
PRO



Single sided, paper masking tape suitable for painting and plasterer's works. Protects smooth surfaces made of wood, metal, plastic or glass. Does not leave marks. Tapes are available in different sizes.

Technical specification:

Feature	Characteristic
Carrier	Saturated paper
Background colours available	Yellow
Glue	Hot melt

Feature	Unit	Average value	Norm
Width	[mm]	9,12,19,25,30,36,38,48,50,60,72,75,100,120,150	-
Core diameter	[mm]	76	-
Tape thickness	[µm]	96	EN 1942
Elongation at break	[%]	10	-
Tensile strength	[N/mm ²]	80	-
Adhesion at 180°	[N/inch]	3,5 [≥2,5]	EN 1939
Shear	[h]	≥120	EN 1943



TMB - fasaderska krep traka, Acrylic (do 60 ° c)

Dimenzija	VPC	Pakirano	Boja
30mm x 50 m	o	32	plava
38mm x 50 m	o	24	plava
48mm x 50 m	o	24	plava

MASKING TAPE-TMB

EUROTAPE[®]
PRO



Single sided adhesive paper masking tape with guarantee of 7-days clean removal. Made of an easy-to-tear paper, easily removable without leaving residue or damaging the surface to which it is applied. It is characterized by good adhesion to different types of surfaces (also to plastic, glass) and UV resistance. It is used mainly in painting and plasters work, to mask off areas that should not be painted.

Technical specification:

Feature	Characteristic
Carrier	Saturated paper
Background colours available	Blue
Glue	Acrylic

Feature	Unit	Average value	Norm
Width	[mm]	9,12,19,25,30,36,38,48,50,60,72,75,100,120,150	-
Core diameter	[mm]	76	-
Tape thickness	[µm]	120	EN 1942
Elongation at break	[%]	10	-
Tensile strength	[N/mm ²]	80	-
Adhesion at 180°	[N/inch]	3,5 [≥2,5]	EN 1939
Shear	[h]	≥120	EN 1943



TL - krep traka, Solvent (do 80 ° c)

Dimenzija	VPC	Pakirano	Boja
19mm x 50 m	○	48	Ivory
25mm x 50 m	○	36	Ivory
30mm x 50 m	○	32	Ivory
38mm x 50 m	○	24	Ivory
50mm x 50 m	○	24	Ivory

MASKING TAPE- TL

EUROTAPE[®]
PRO



Single sided, paper masking tape suitable for automotive use. Does not leave marks. Tapes are available in different sizes.

Technical specification:

Feature	Characteristic
Carrier	Saturated paper
Background colours available	Ivory
Glue	Solvent

Feature	Unit	Average value	Norm
Width	[mm]	9,12,19,25,30,36,38,48,50,60,72,75,100,120,150	-
Core diameter	[mm]	76	-
Tape thickness	[µm]	132	EN 1942
Elongation at break	[%]	10	-
Tensile strength	[N/cm]	50	-
Adhesion at 180°	[N/inch]	7,0	EN 1939
Temperature resistance	[°C]	80 [30 minutes]	-



American duct tape / armirana, Hot melt

Dimenzija	VPC	Pakirano	Boja
48mm x 10 m	O	36	Srebrna, Crna, Plava, Crvena
48mm x 25 m	O	32	Srebrna, Crna, Plava, Crvena
48mm x 50 m	O	24	Srebrna, Crna, Plava, Crvena

DUCT TAPE -TN, TNR, TNB, TNC

EUROTAPE®
PRO



Universal, single sided tape perfect for connection of heat and air-conditioning insulation. Ideal for all kinds of repairs of tubing made of plastic, PCV, rubber, foil or for tents. Available in different sizes.

Technical specification:

Feature	Characteristic
Carrier	LDPE + net
Background colours available	Gray, Red, Blue, Black
Glue	Hot melt

Feature	Unit	Average value	Norm
Width	[mm]	19,25,30,38,48,50,60,75,100,150	-
Core diameter	[mm]	25,4 ; 76	-
Tape thickness	[µm]	160	EN 1942
Elongation at break	[%]	25	-
Tensile strength:	[N/inch]	17	-
Adhesion at 180°	[N/inch]	15,0 [≥10,0]	EN 1939
Shear	[h]	≥120	EN 1943



Obostrano ljepljiva traka na foliji, Hot melt

Dimenzija	VPC	Pakirano
12mm x 10 m	O	144
19mm x 10 m	O	96
24mm x 10 m	O	72
38mm x 10 m	O	48
50mm x 5 m	O	36
50mm x 10 m	O	36
50mm x 25 m	O	36

DOUBLE-SIDED TAPE-TDDU

EUROTAPE®
PRO



PP double-sided tape, on silicone paper. Suitable for fixing carpets, carpet tiles and other floor covers in an easy, clean and fast way. Prevents moving or folding of carpets. Characterized by strong adhesion and resistance to ripping.

Technical specification:

Feature	Characteristic
Carrier	BOPP + liner
Background colours available	Brown
Glue	Hot melt

Feature	Unit	Average value	Norm
Width	[mm]	19,25,30,38,48,50,60,75,100,120,150	-
Core diameter	[mm]	76	-
Tape thickness	[µm]	89	EN 1942
Elongation at break	[%]	140	-
Tensile strength	[N/mm ²]	140	-
Adhesion at 180°	[N/inch]	15,0 [≥10,0]	EN 1939
Shear	[h]	≥120	EN 1943
Operating temperature	[°C]	from -5 to +60	-



Obostrano ljepljiva traka na tekstilu / armirana, Hot melt

Dimenzija	VPC	Pakirano
50mm x 5 m	0	36
50mm x 10 m	0	36
50mm x 25 m	0	24

EUROTAPE®
PRO



Reinforced double-sided tape with textile, on silicone paper. Characterized by strong adhesion and resistance to ripping. Possible hand-tearing increases work comfort. Suitable for fixing carpets, carpet tiles and other floor covers in an easy, clean and fast way. Prevents moving or folding of carpets. Thick glue layer and well adhering textile allows the tape to be used on both rough and smooth surfaces.

Technical specification:

Feature	Characteristic
Carrier	Net + liner
Background colours available	Brown
Glue	Hot melt

Feature	Unit	Average value	Norm
Width	[mm]	19,25,30,38,48,50,60,75,100,120,150	-
Core diameter	[mm]	76	-
Tape thickness	[µm]	80	EN 1942
Adhesion at 180°	[N/inch]	15,0 [≥12,0]	EN 1939
Shear	[h]	≥120	EN 1943
Operating temperature	[°C]	from -5 to +60	-



Obostrano ljepljiva traka na bijeloj spužvici, Acrylic

Dimenzija	VPC	Pakirano
19mm x 5 m	O	136
19mm x 10 m	O	96
25mm x 5 m	O	108
25mm x 10 m	O	48

DOUBLE-SIDED FOAM TAPE-TDMW

EUROTAPE[®]
PRO



Double tape based on PE foam. Designed for permanent fixing of different materials. Excellent adhesion to wood, metal, glass, plastic and other. Highly resistant to aging, UV-radiation, oils and plasticizers. Tapes are available in different sizes.

Technical specification:

Feature	Characteristic
Carrier	Foam (PE) + liner
Background colours available	White
Glue	Acrylic

Feature	Unit	Average value	Norm
Width	[mm]	19,25	-
Core diameter	[mm]	25,4 or 76	-
Tape thickness	[µm]	860	EN 1942
Foam density	[kg/m ³]	95	-
Permissible load: Shear of steel: Peel perpendicular from steel:	[g/cm ²]	80 100	-
Adhesion at 180°	[N/inch]	10,0 [≥8,0]	EN 1939
Shear	[h]	≥120	EN 1943
Operating temperature	[°C]	from 0 to +40	-



Obostrano ljepljiva traka na crnoj, Acrylic

Dimenzija	VPC	Pakirano
19mm x 5 m	o	136
25mm x 5 m	o	108

DOUBLE-SIDED FOAM TAPE-TDMZ

EUROTAPE®
PRO



Double tape based on PE foam. Designed for permanent fixing of different materials. Excellent adhesion to wood, metal, glass, plastic and other. Highly resistant to aging, UV-radiation, oils and plasticizers. Tapes are available in different sizes.

Technical specification:

Feature	Characteristic
Carrier	Foam (PE) + liner
Background colours available	Black
Glue	Acrylic

Feature	Unit	Average value	Norm
Width	[mm]	19,25	-
Core diameter	[mm]	25,4 or 76	-
Tape thickness	[µm]	860	EN 1942
Foam density	[kg/m ³]	95	-
Permissible load: Shear of steel: Peel perpendicular from steel:	[g/cm ²]	80 100	-
Adhesion at 180°	[N/inch]	8,0 [≥6,0]	EN 1939
Shear	[h]	≥120	EN 1943
Operating temperature	[°C]	from -15 to +60	-

