



Rudarstvo i bušenje tunela
Mining and tunnelling



VORAX

experts in wear resistant technologies

BETEK

Progress!



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Ispod slika alata naći ćete
slijedeće informacije:

→ **Art-No (kat.br)**
→ Opis



← Kom. u pakiranju

Dimenzije: mm / inch

Za upute za zavarivanje provjerite:

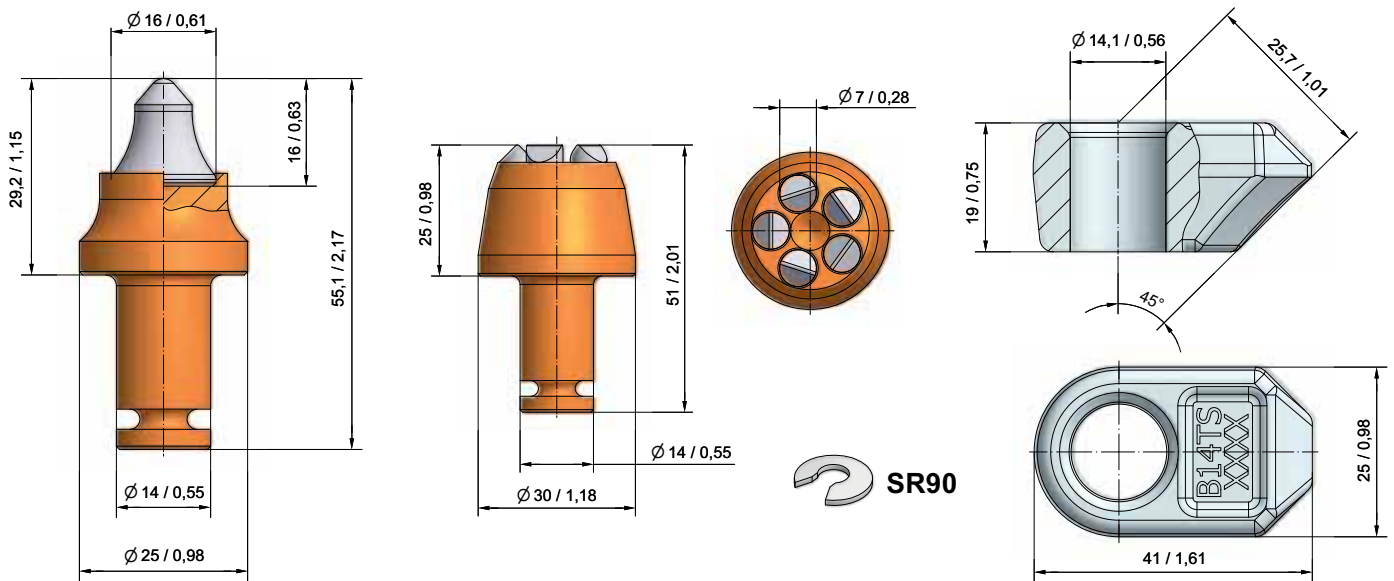
www.vorax.hr ili www.betek.de/en/productprogramme/mining-tunneling-userinfo.html



PODRŠKA:

Vorax d.o.o.
Vukovarska 68, Rijeka, HR
T: + 385 51 493 893
info@vorax.hr
www.vorax.hr

Prihvat Ø14 mm - 0,55"

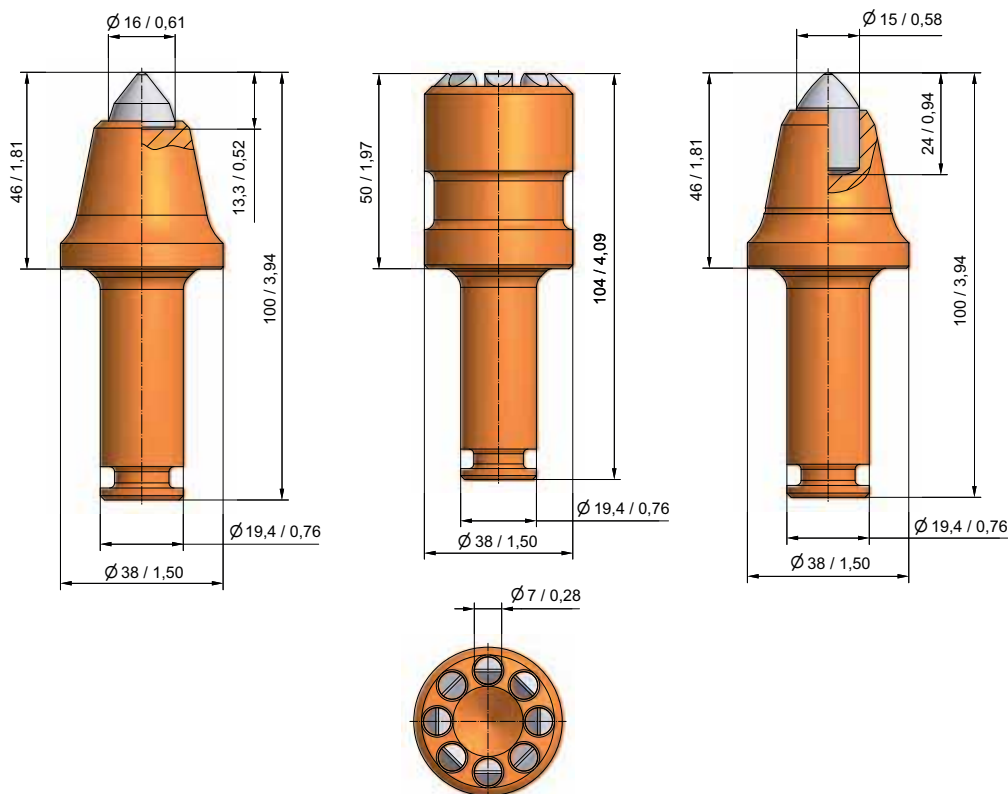


BM76 200
BM4-14 / TS

BM69 150
BM7-14 / 2F

BHR171 200
B14TS

Prihvat Ø19,4 mm - 0,76"

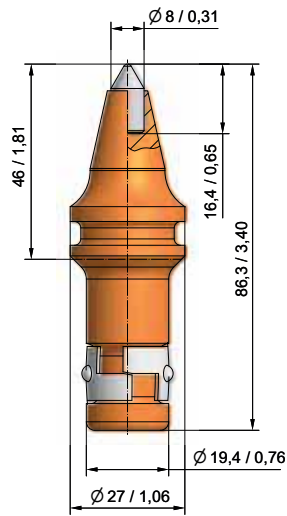


BC26 40
B3KS

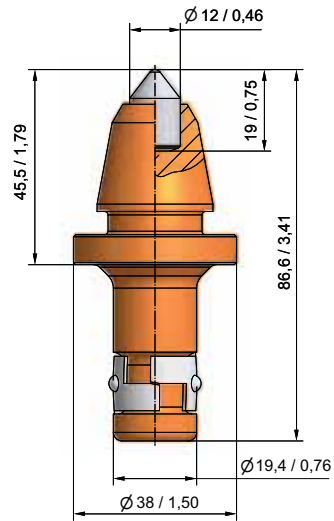
BSR63 20
BG20F-07.3850

BC68 40
BG20F-15.3846

Prihvat Ø19,4 mm - 0,76"



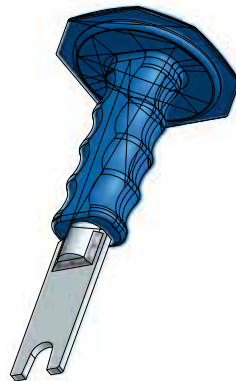
BSK19
B1K8-K



BSK21
B1-12 / 38-K

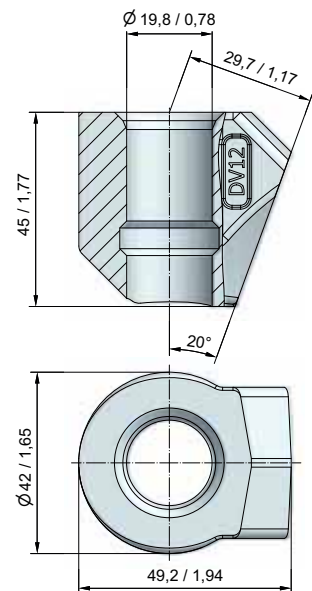


Prihvat Ø19,4 mm - 0,76"



BZ33
Alat za montažu

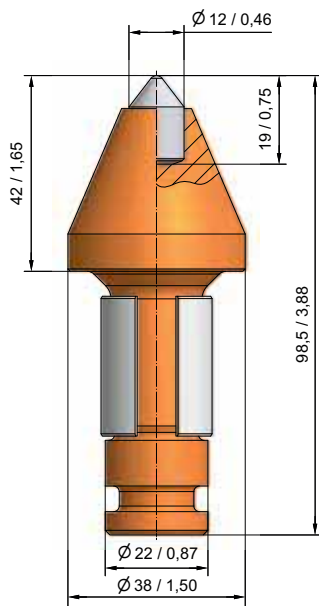
BZ31
Alat za demontažu



BHR143
DV12 / 2



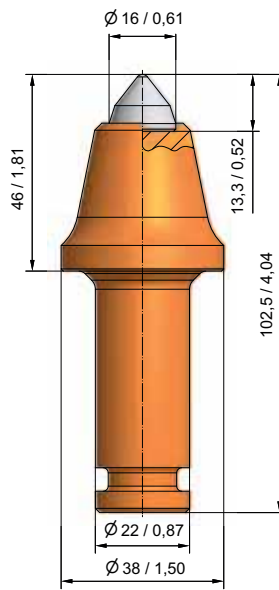
Prihvat Ø22 mm - 0,87"



BC36

40

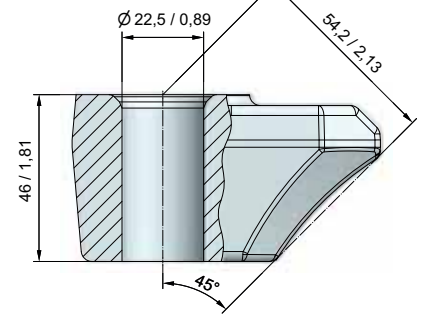
B1-12 / 22 / SI26



BC33

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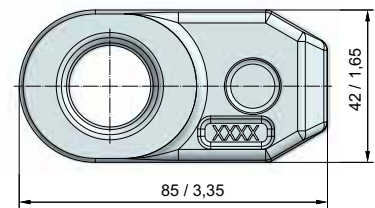
B3KS22



BHR120OL

20

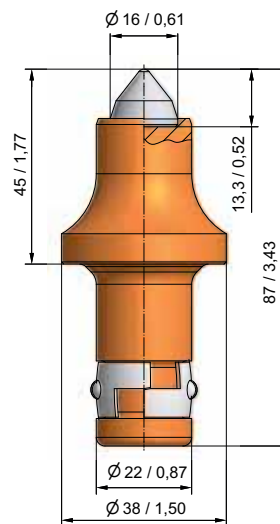
B22S



Prihvat Ø22 mm - 0,87"



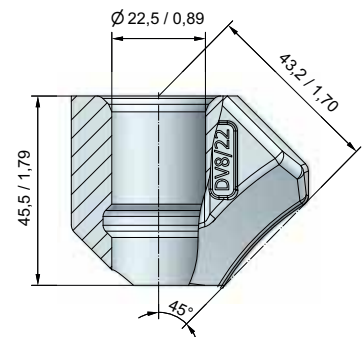
SI26



BC58

50

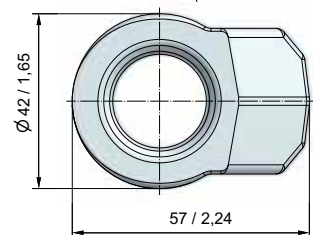
B3S / 22-K



BHR176

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DV8 / 22-K

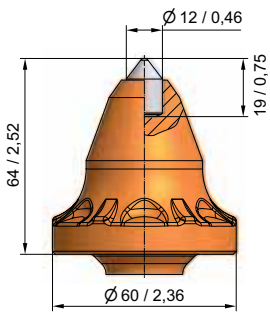


BZ41

Alat za montažu

BZ32

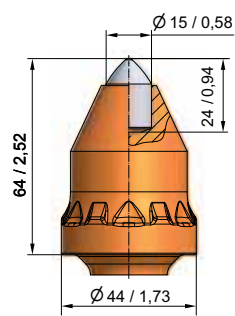
Alat za demontažu



BTK114
BG25F-12.6064



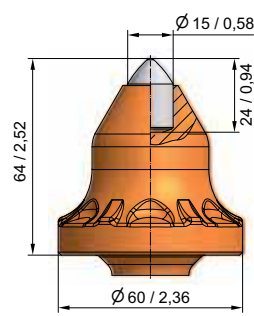
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BTK117
BG25F-15.4464



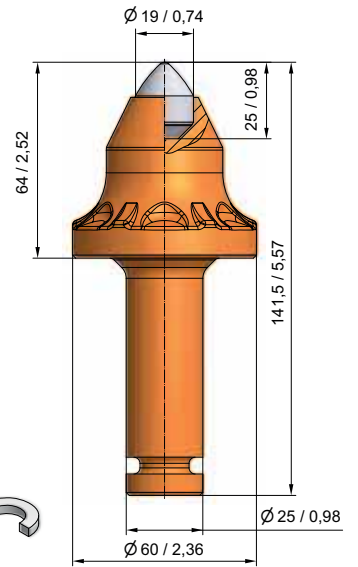
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BTK120
BG25F-15.6064



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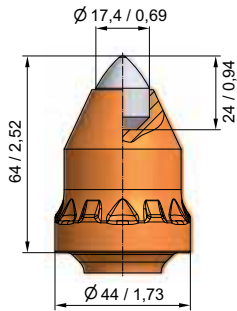


BTK122
BG25F-19.6064



15

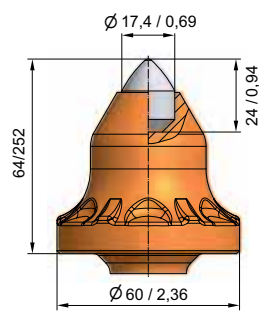
SI79 / K



BTK116
BG25F-17.4464



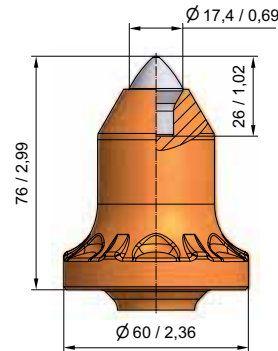
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BTK121
BG25F-17.6064



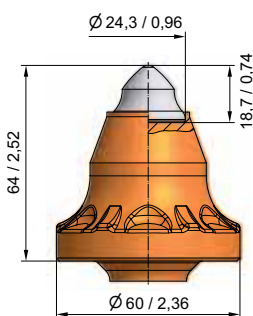
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BTK126
BG25F-70.6076A



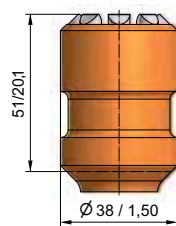
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BTK124
BG25F-68.6064



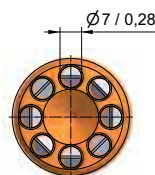
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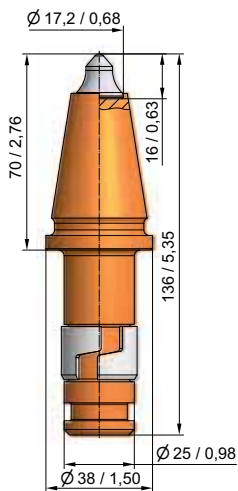
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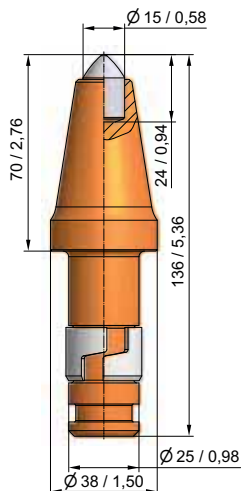
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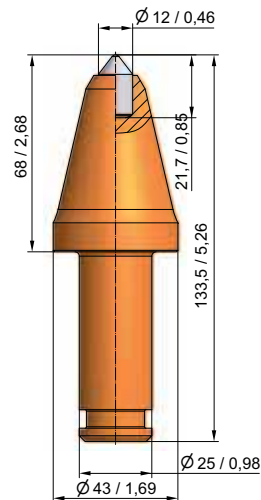
Prihvat Ø25 mm - 1"



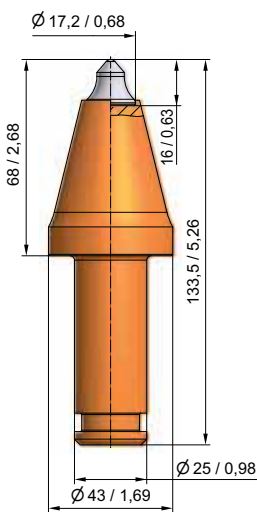
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BG25HP-62.3870



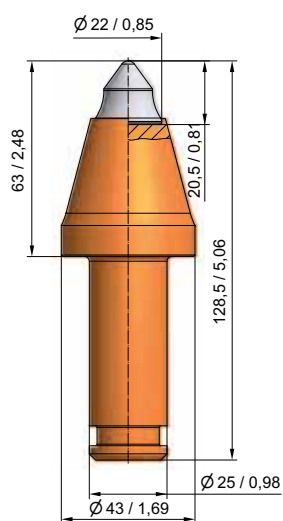
BTK110
BG25HP-15.3870



BTK53
B40K12



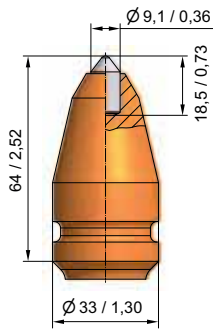
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BG25P-62.4368



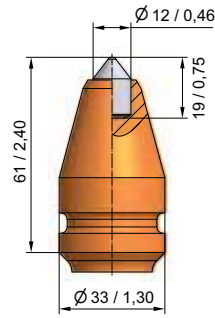
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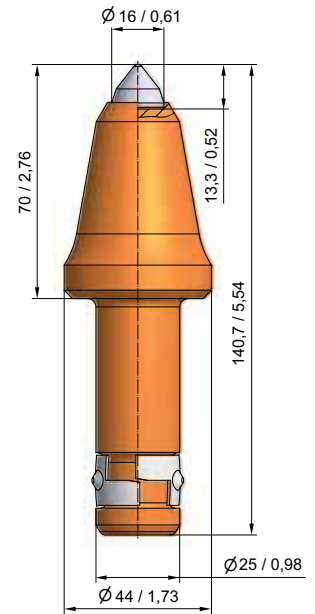
SI184



BTK01
B40K9



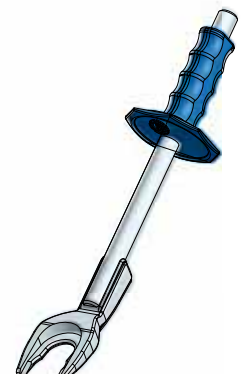
BTK03
B40HDK12



BTK99
B40 / 3-LSK



SI79 / K



BZ37

Alat za montažu

BZ36

Alat za demontažu

BZ43

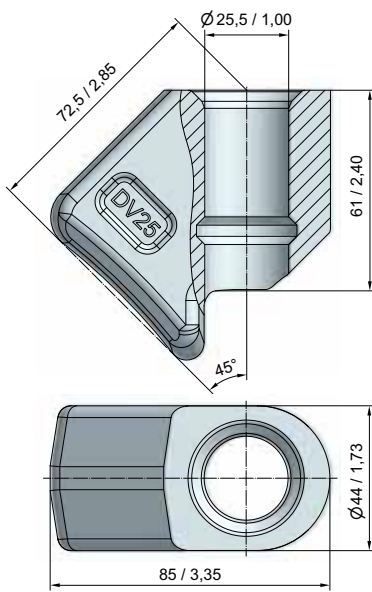
Izbijač zuba

BZ22

Alat za vađenje zuba

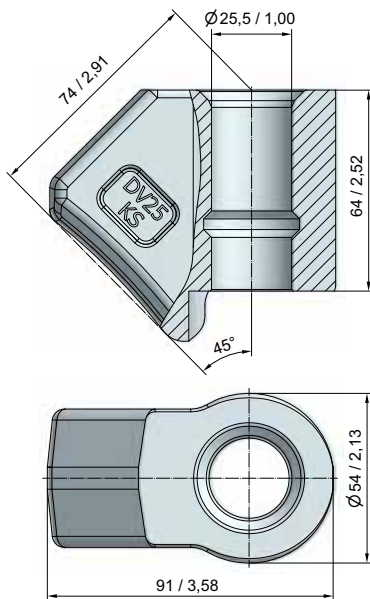


Prihvat Ø25 mm - 1"



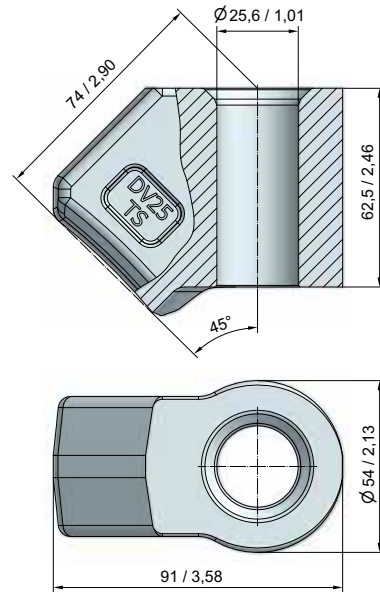
BHR31
DV25

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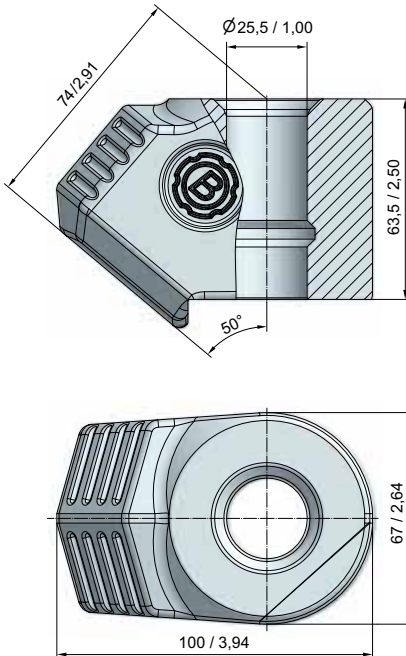
BHR121
DV25KS

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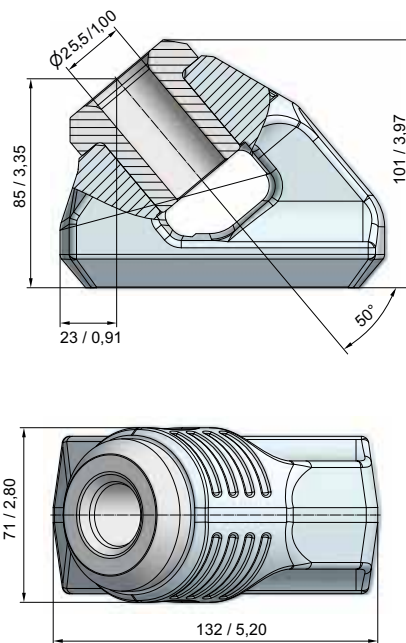
BHR145
DV25TS

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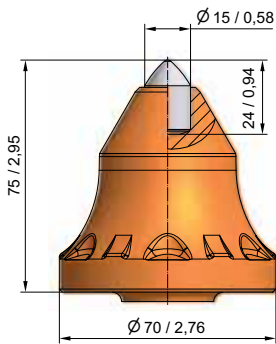
BHR186
B25.6750

6

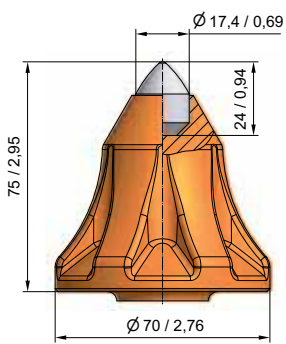


BHR185
B132-101-B

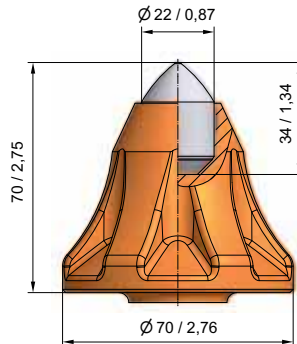
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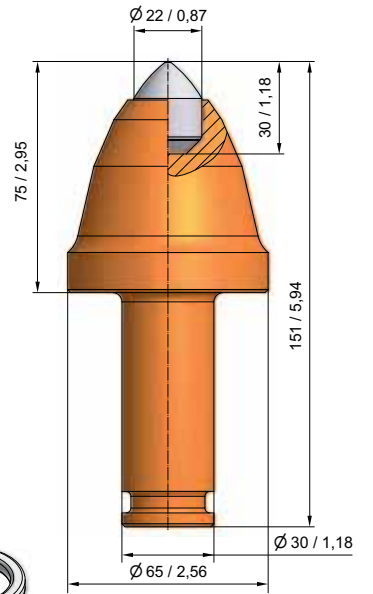
BGF25
BG30F-15.7075



BGF10
B47GK17.5LK75-E/F



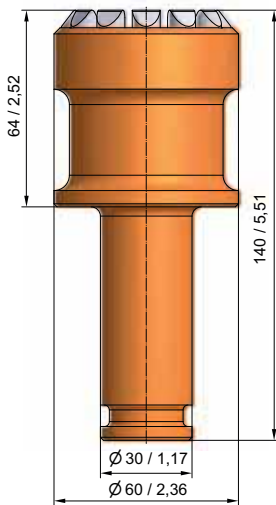
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B47GK22LK70-E/F



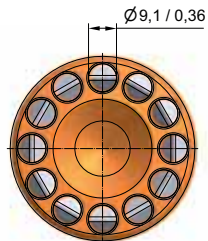
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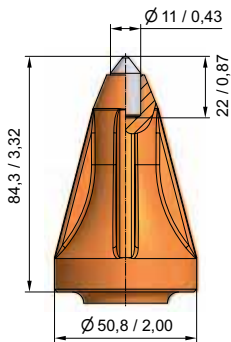
SI35 / 22



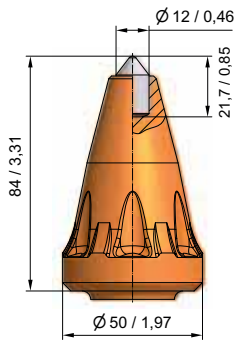
BSR58
BG30F-09.6064



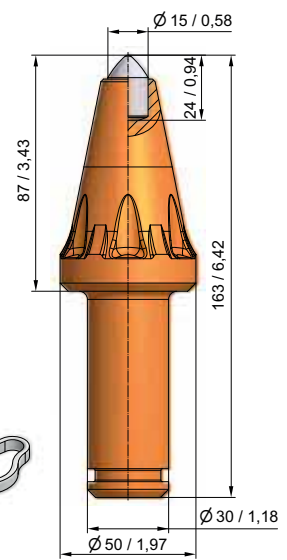
Prihvat Ø30 mm - 1,18"



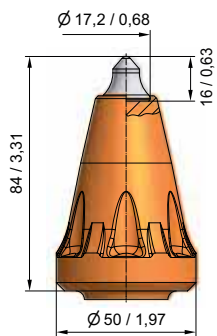
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BG30P-11.5184



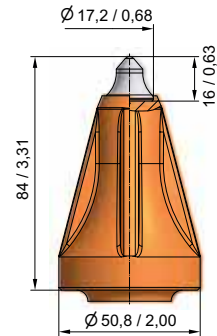
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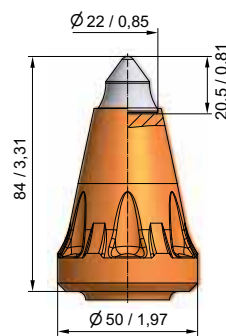
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BG30P-15.5087



BGF19
BG30P-62.5084A



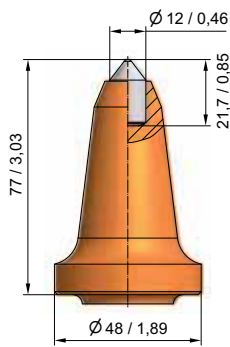
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BG30P-62.5184



BGF26
BG30P-74.5084



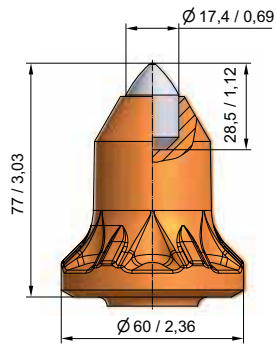
Prihvat Ø30 mm - 1,18" duljine 82 mm



BGK06

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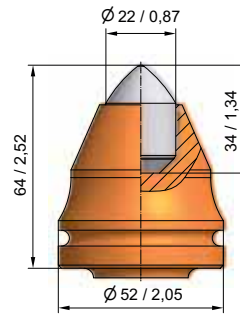
B47GK12LK77-K



BGK86

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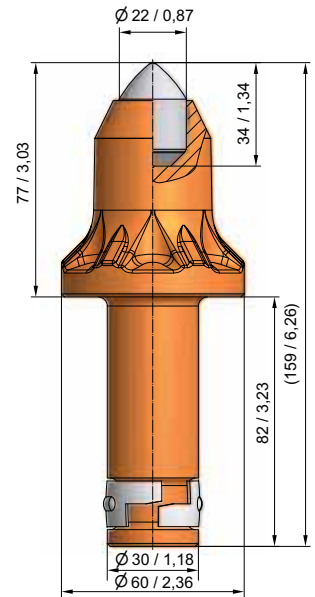
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BGK38

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B47GK22-K

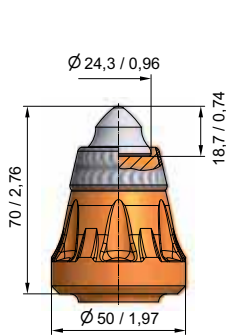


BGK90

10

BG30K-22.6077

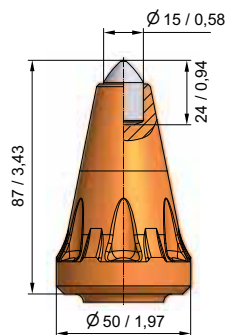
Prihvat Ø30 mm - 1,18" duljine 76 mm



BGK91

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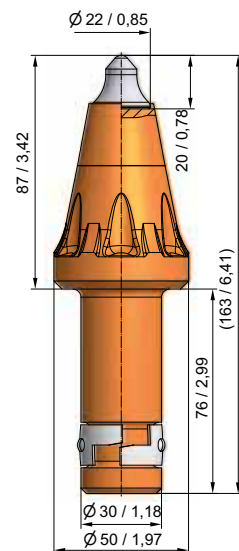
BG30K-68.5070P



BGK88

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BG30K-15.5087

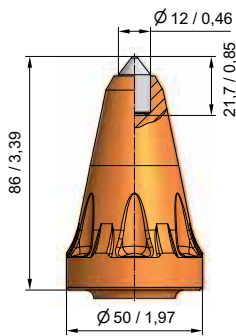


BGK89

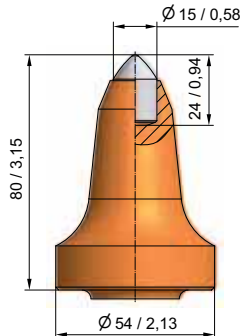
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BG30K- 67.5087

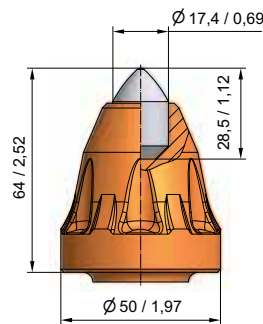
Prihvat Ø30 mm - 1,18"



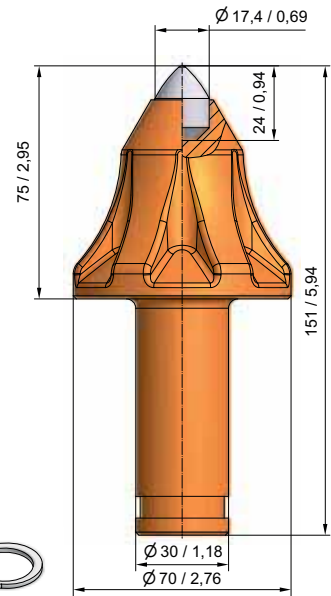
BGS101
BG30W-12.5086



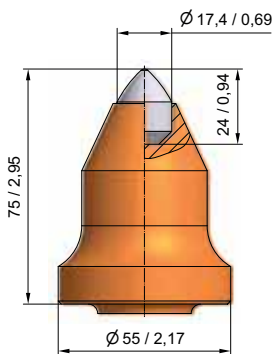
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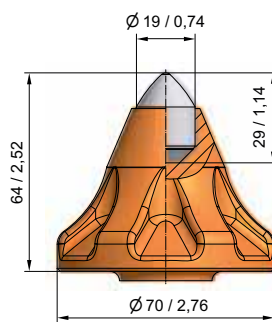
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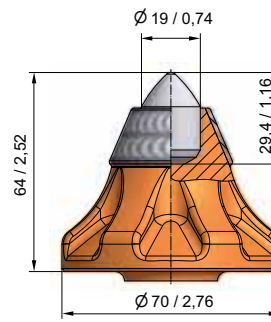
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B47GK17.5LK75-E



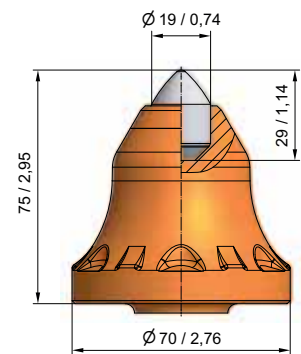
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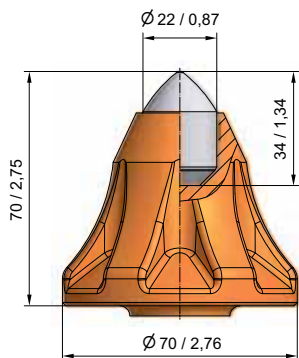
BGS88
B47GK19 / 70-E



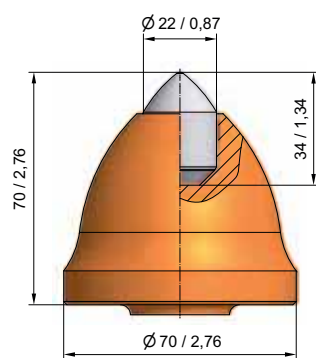
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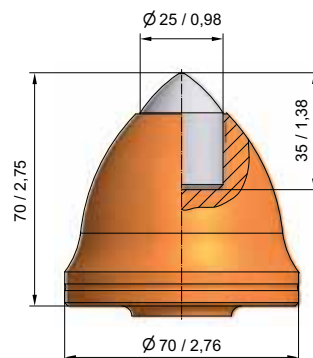
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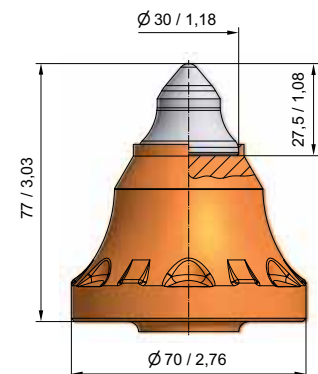
BGS90
B47GK22LK70-E



BGS93
B47GK22LK70 / 70



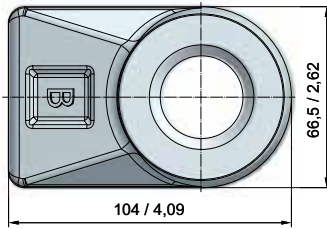
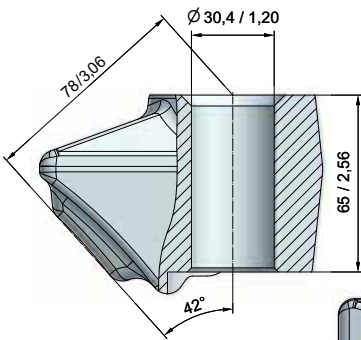
BGS16
B47GK25LK70 / 70



BGS103
BG30W-69.7077

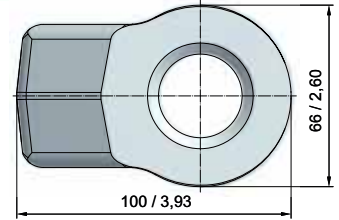
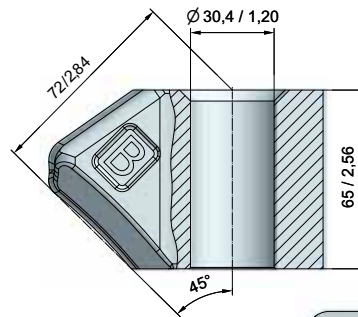


Prihvat Ø30 mm - 1,18"



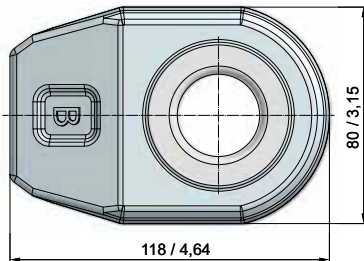
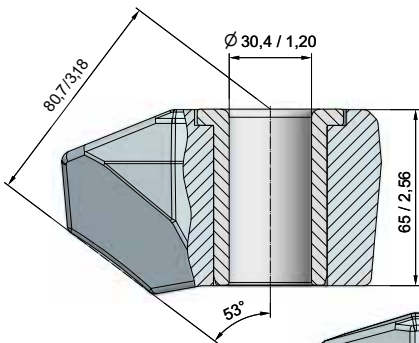
BHR35
B30.65

5



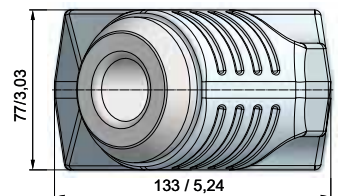
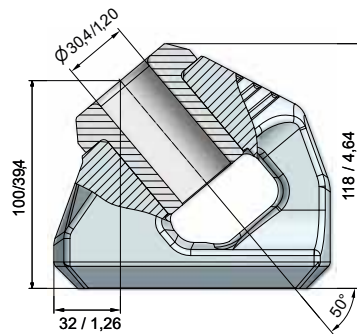
BHR94
B43G

5



BHR75
B30.65H

5



BHR183
B133 -118 - B

1



BZ39
Alat za vađenje klinova



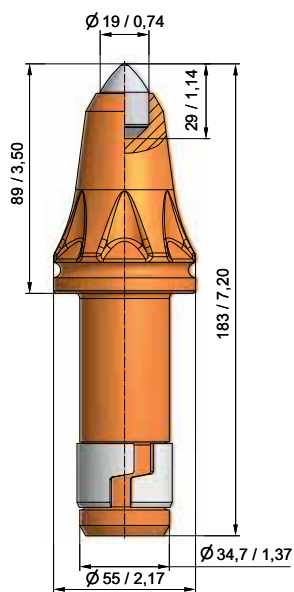
BZ35
Alat za montažu



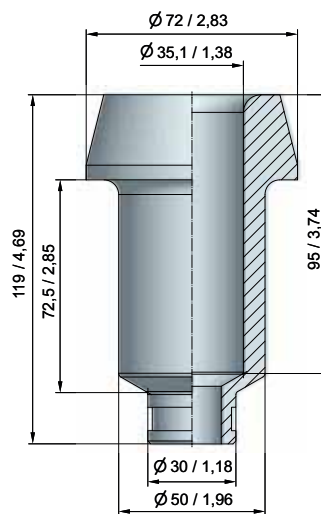
BZ34
Alat za demontažu

SI35 / 22

Prihvat Ø35 mm - 1,38", visina glave 89 mm / 3,5"



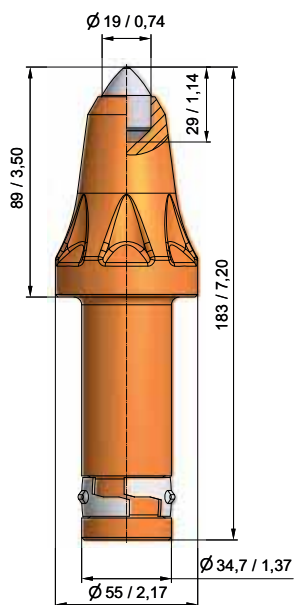
BSR111
BG35H -19.5589A



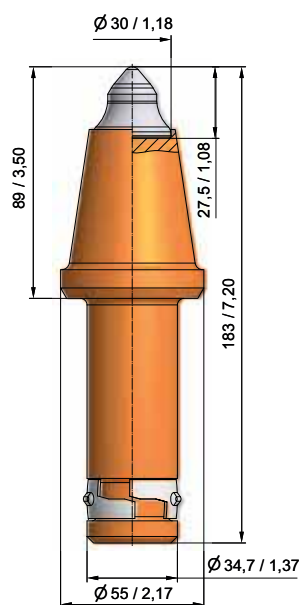
BR71
BR49.8 -35 -119



Prihvat Ø35 mm - 1,38", visina glave 89 mm / 3,5"



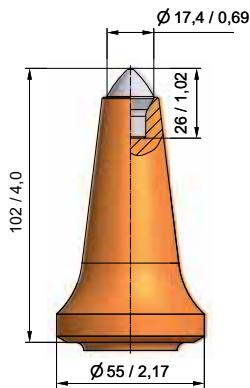
BSR112
BG35K-19.5589



BSR121
BG35K- 69.5589



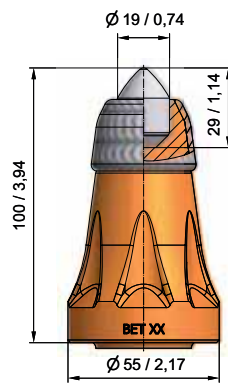
Prihvat Ø35 mm - 1,38" visina glave 100 - 102 mm / 4"



BSR150

10

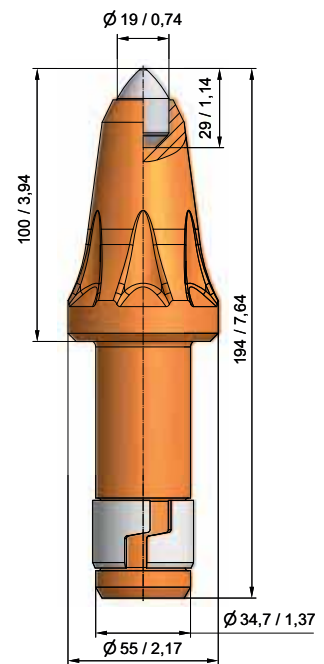
BG35H -70.55102



BSR146

10

BG35H -19.55100P

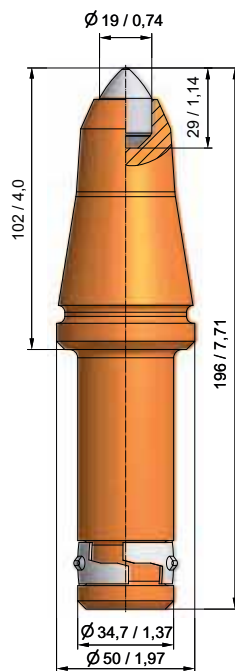


BSR175

10

BG35H -19.55100

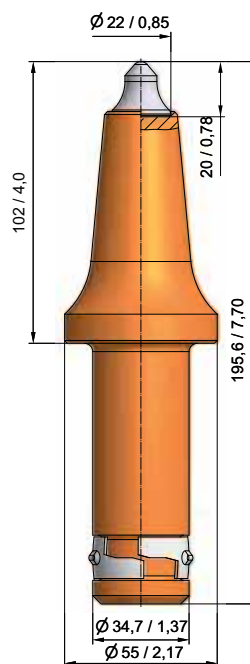
Prihvat Ø35 mm - 1,38" visina glave 100 - 102 mm / 4"



BSR97

10

BG35K-19.50102



BSR126

10

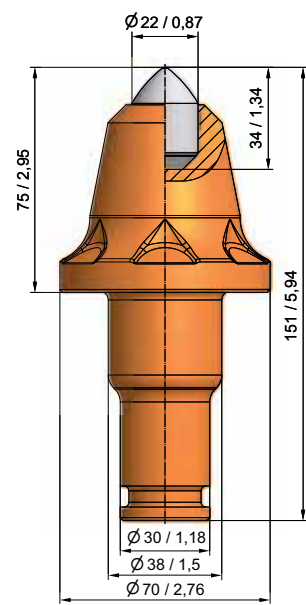
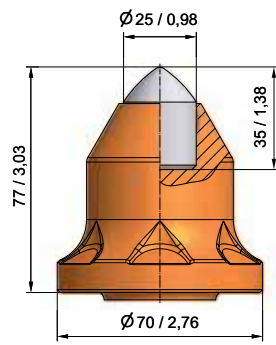
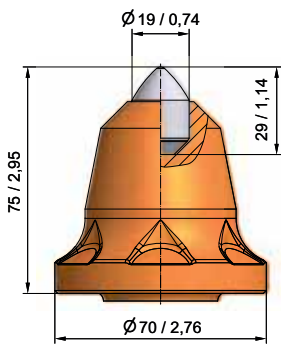
BG35K- 67.55102



BZ39

Alat za vađenje klinova

Prihvat Ø38 / 30 mm - 1,5 / 1,18"



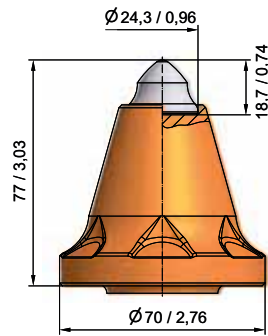
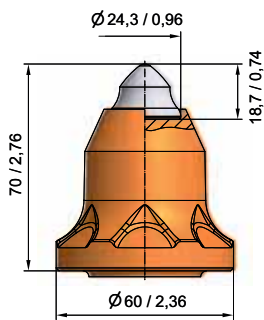
BK15
B47K19 / 70-F



BK10
B47K25-F



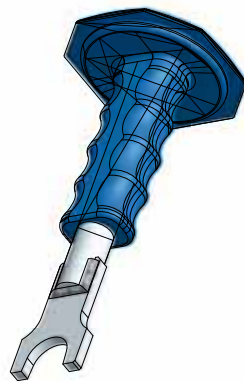
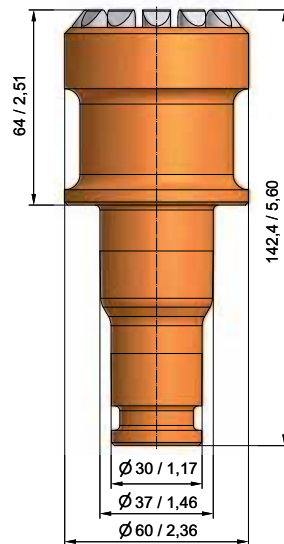
BK17
B47K22 / 70-F



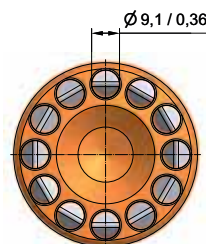
BK13
B47K24LK70-FE



BK16
B47K24 / 70-F



SI 35 / 22

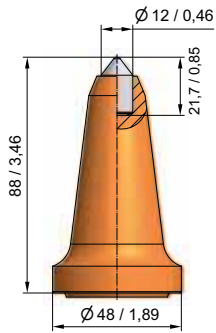


BZ35
Alat za montažu

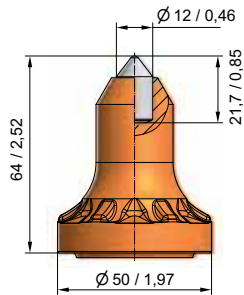
BZ34
Alat za demontažu

BSR103
BS37F- 09.6064

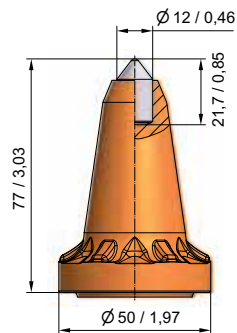




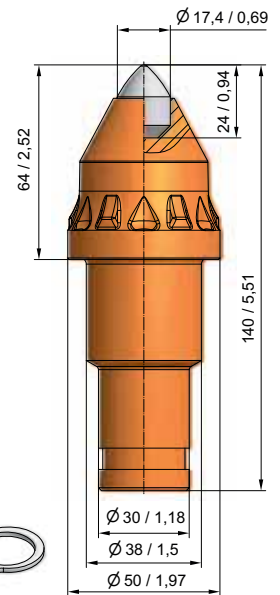
BKS16
B46K12LK90



BKS184
BS38W-12.5064



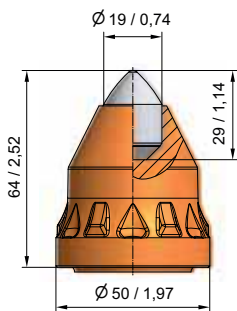
BKS153
BS38W-12.5077



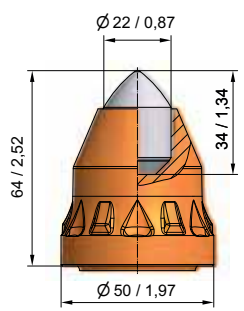
BKS155
BS38W-17.5064



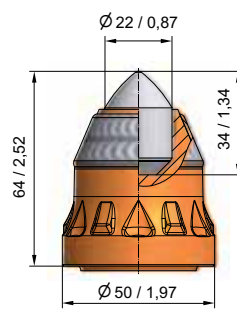
SR83 



BKS154
BS38W-19.5064



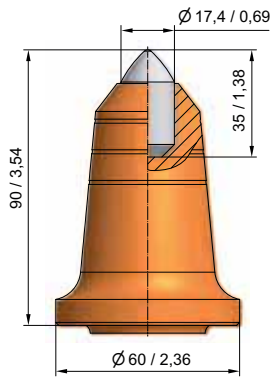
BKS156
BS38W-22.5064



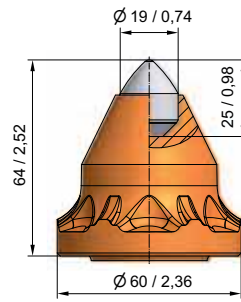
BKS156 / P
BS38W-22.5064P



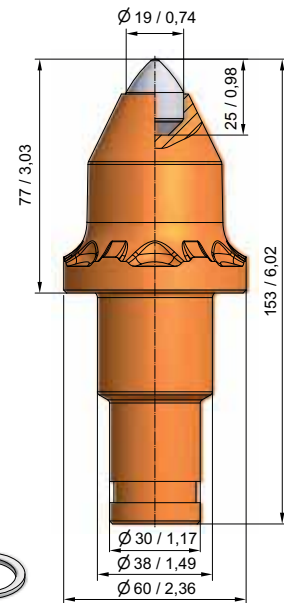
Prihvat Ø38 / 30 mm - 1,5 / 1,18"



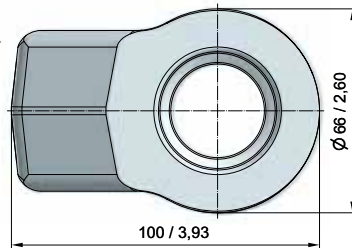
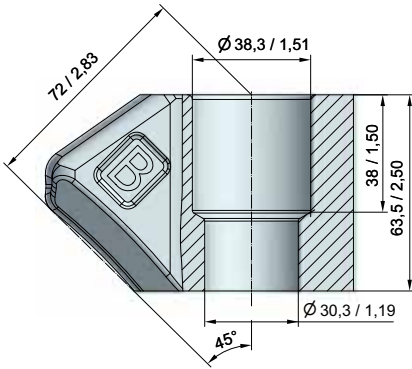
BKS157 10
W49K17 / S



BKS151 10
BS38W -19.6064

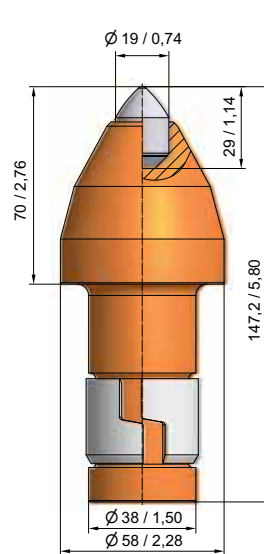


BKS172 10
BS38W -19.6077

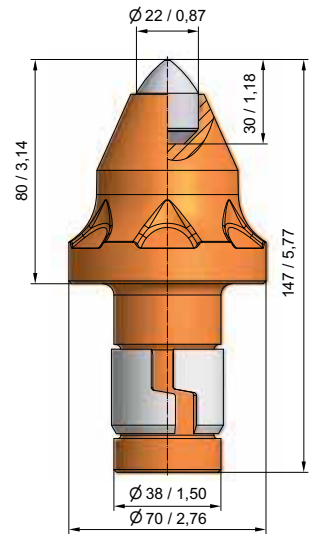


BHR38 10
B43H

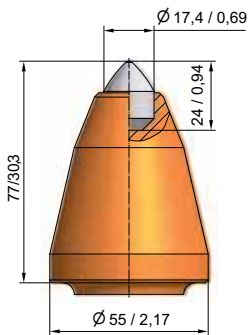




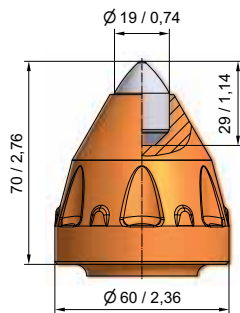
BSR158
BG38H -19.5870



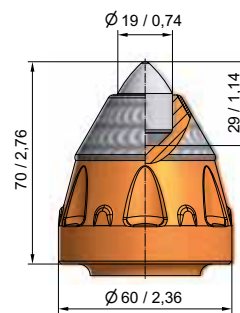
BSR196
BG38H -22.7080



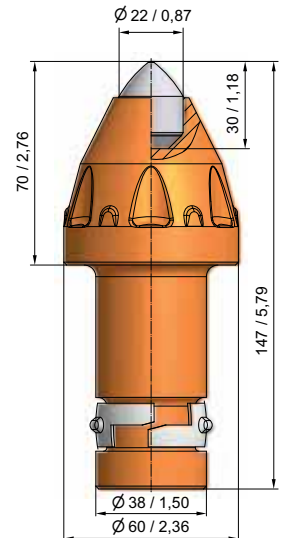
BSR94
BG38K-17.5577



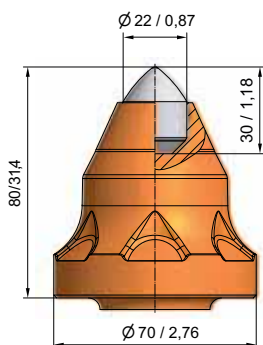
BSR188
BG38K-19.6070



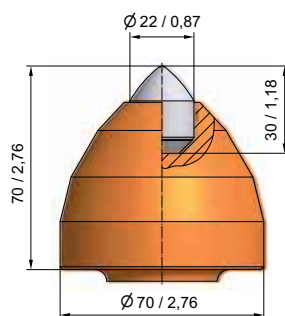
BSR202
BG38K-19.6070P



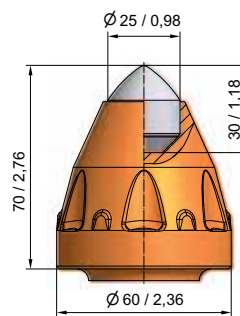
BSR189
BG38K-22.6070



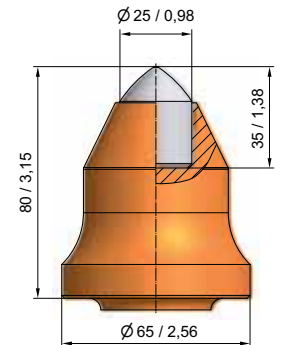
BSR125
BG38K-22.7080A



BSR133
BG38K-22.7070



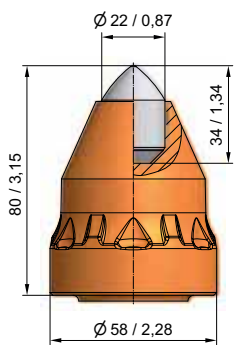
BSR190
BG38K-25.6070



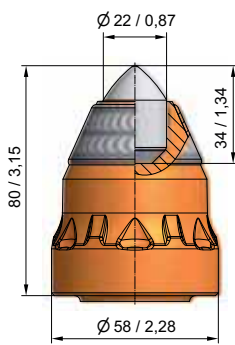
BSR160
BG38K-25.6580



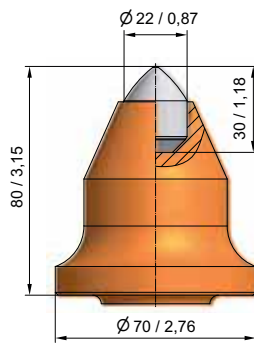
Prihvat Ø38 mm - 1,5" duljine prihvata 65 mm / 2,6"



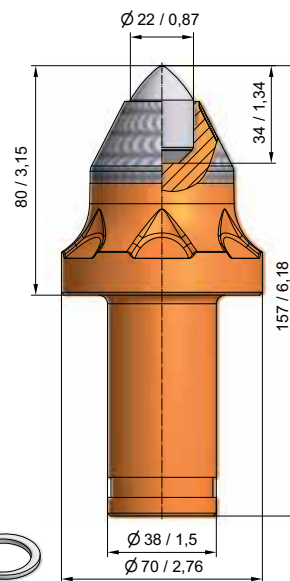
BSR174
BG38W-22.5880A



BSR180
BG38W-22.5880PA



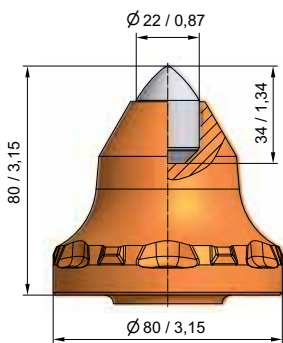
BSR140
BG38W-22.7080



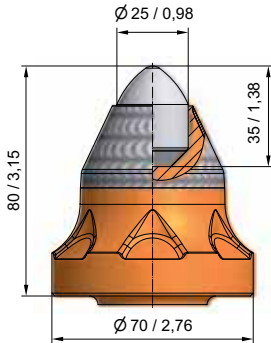
BSR199
BG38W-22.7080AP



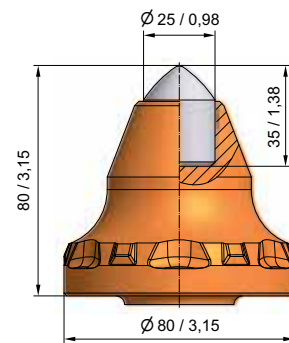
SR65 / 2.5



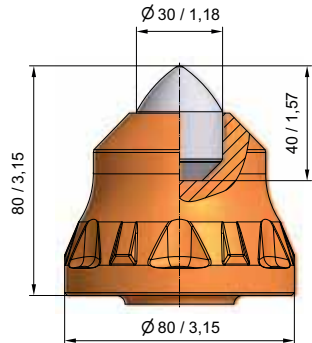
BSR198
BG38W-22.8080A



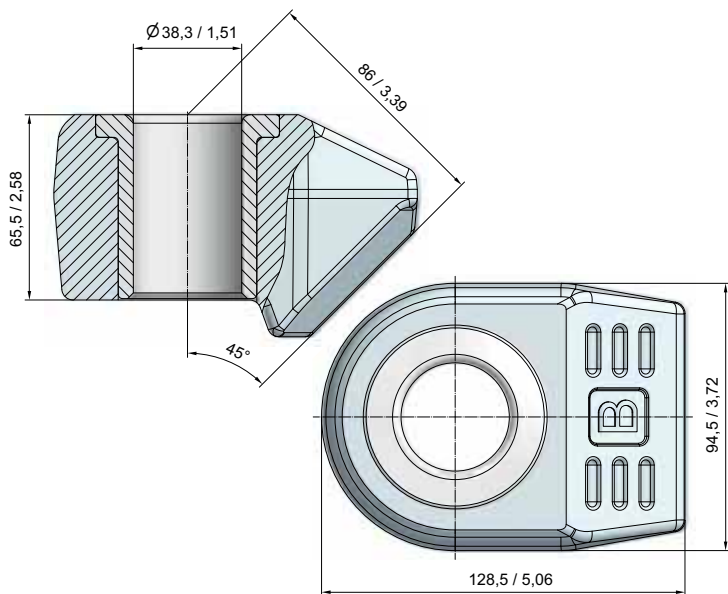
BSR200
BG38W-25.7080P



BSR201
BG38W-25.8080A



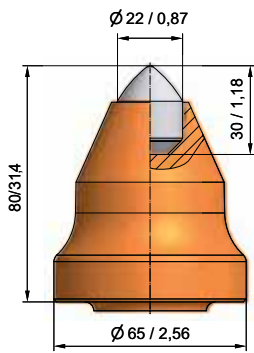
BSR197
BG38W-30.8080A



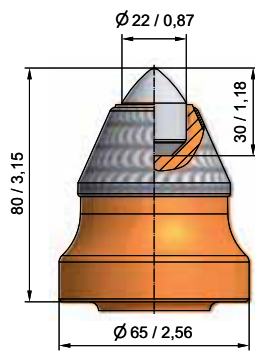
BHR169
B38H



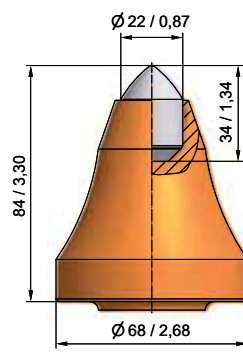
Prihvat Ø38 mm - 1,5" duljine prihvata 75 mm / 3,0"



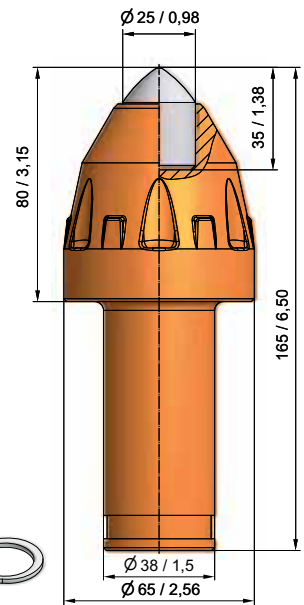
BSR114
BG38W-22.6580A



BSR131
BG38W-22.6580P



BSR05
BG38W-22.6884



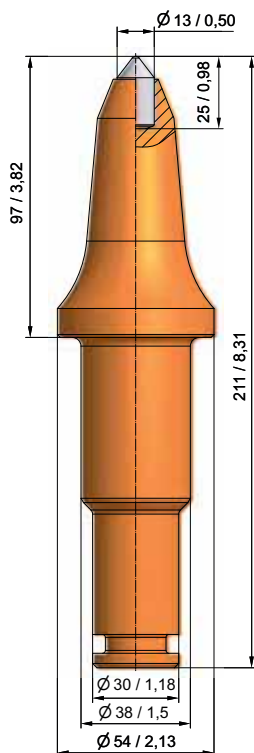
BSR193
BG38W-25.6580A



SR65 / 2.5

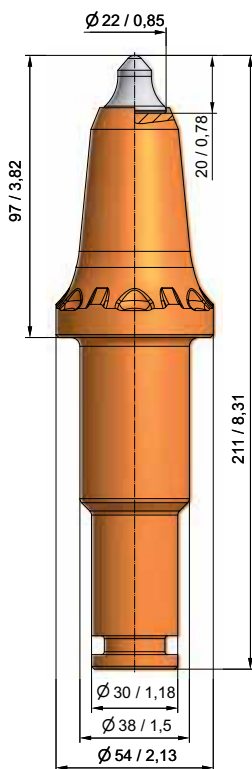


Specijalni prihvat



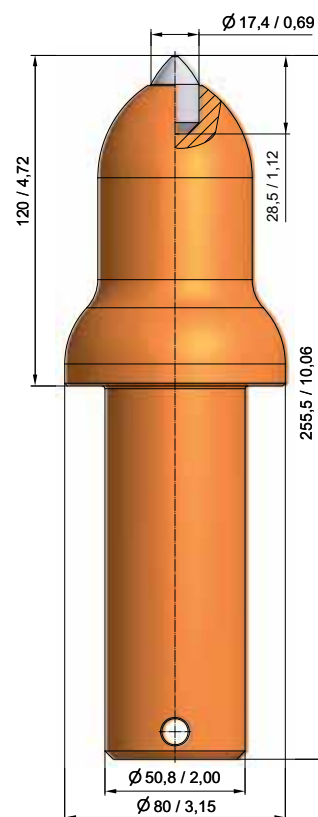
BKF14
B47K13LK97L

8



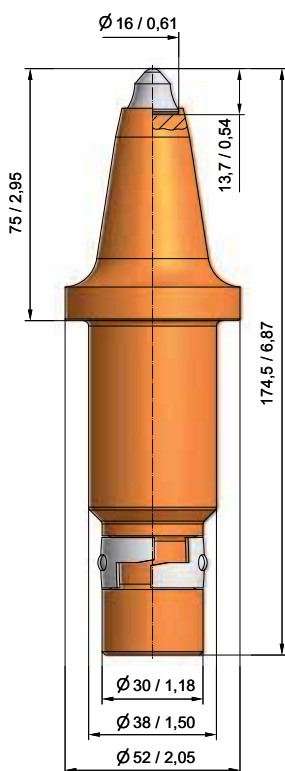
BKF23
BS38F-67.5497

8



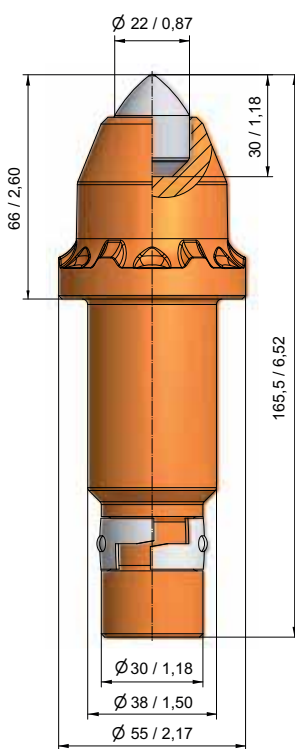
BSR109
BG51S-17.80120

5



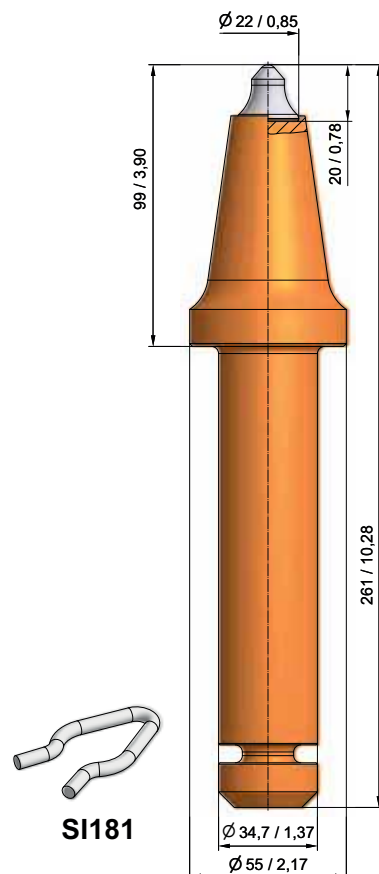
BLK10
B46K2L

10



BLK12
BS38K-22.5566

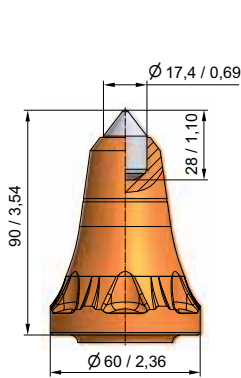
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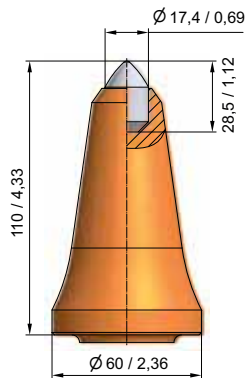
BSR153
BG35X-67.5599

5

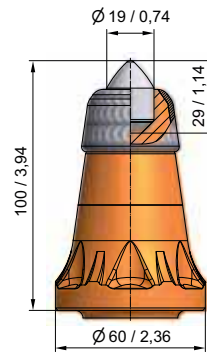
Prihvat Ø38 - 1,5", tip Krummenauer



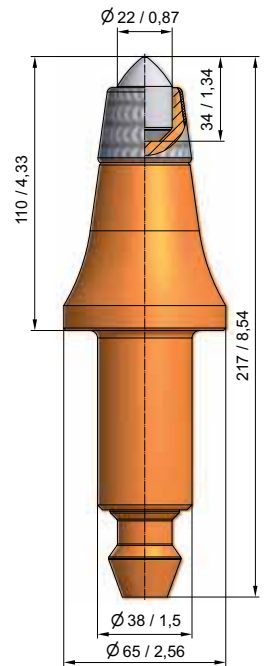
BKR27
BG38X-17.6090



BKR07
BKR17.5LK110/S38



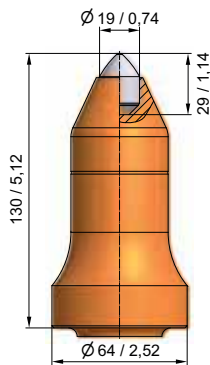
BKR25
BKR19LK100/S38-P



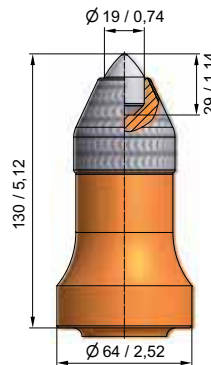
BKR29
BG38X-22.65110P



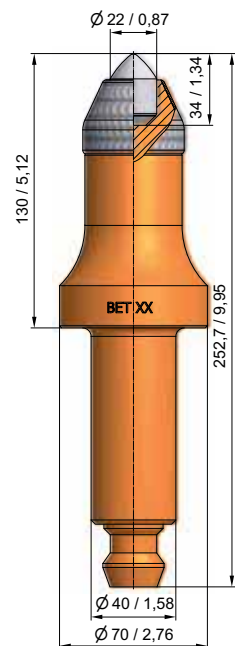
Prihvat Ø40 - 1,58", tip Krummenauer



BKR26
BKR19LK130 64 / 2



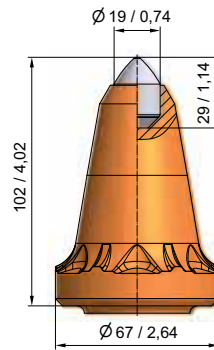
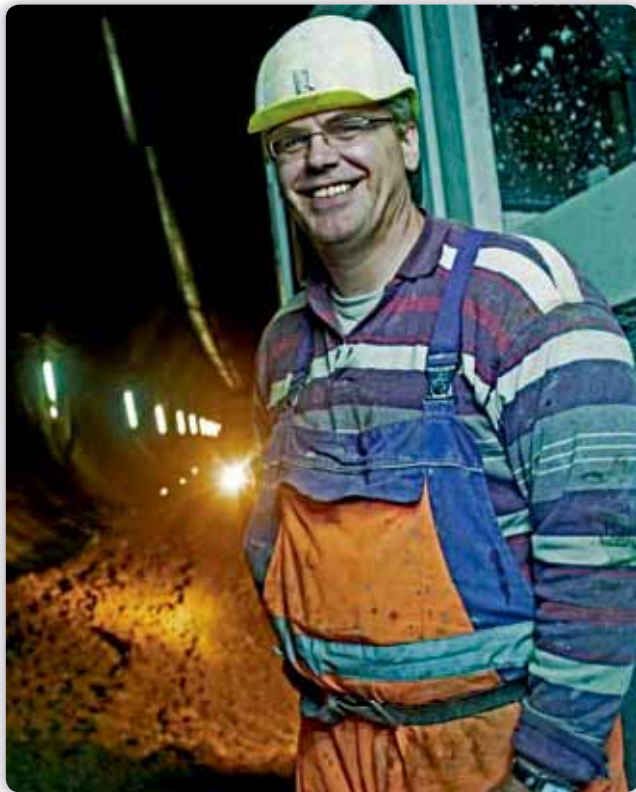
BKR24
BKR19LK130 64P



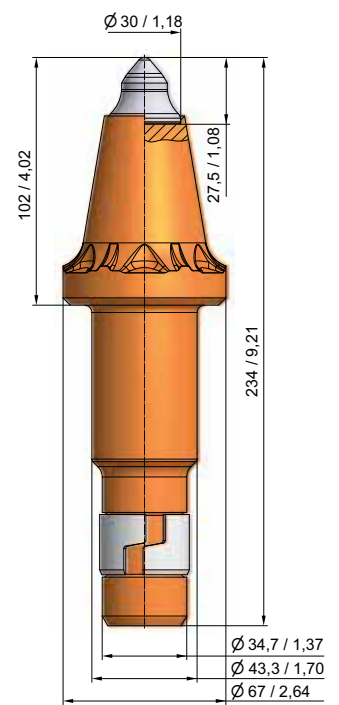
BKR28
BG40X - 22.70130P



Prihvat Ø43 / 35 mm - 1,7 / 1,38", visina glave 102 mm / 4,0"



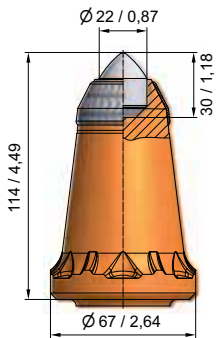
BSR204
BS43H - 19.67102H



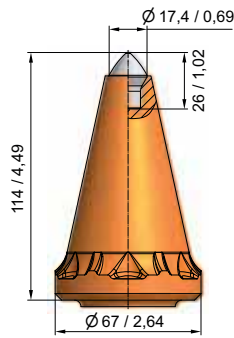
BSR181
BS43H - 69.67102A



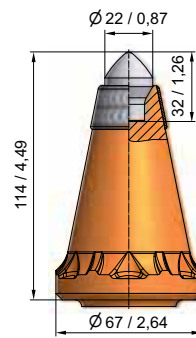
Prihvat Ø43 / 35 mm - 1,7 / 1,38", visina glave 114 mm / 4,5"



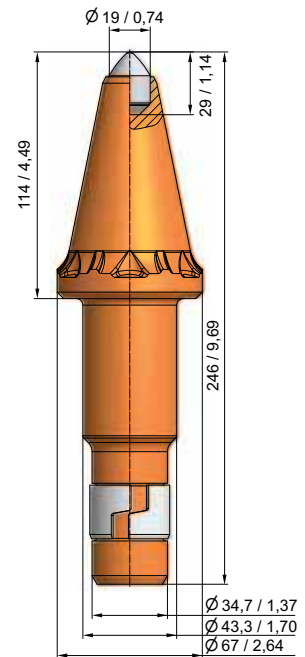
BSR178
BS43H - 22.67114P



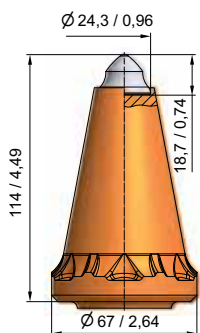
BSR191
BS43H - 70.67114A



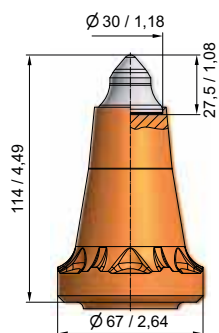
BSR206
BS43H - 73.67114P



BSR182
BS43H - 19.67114



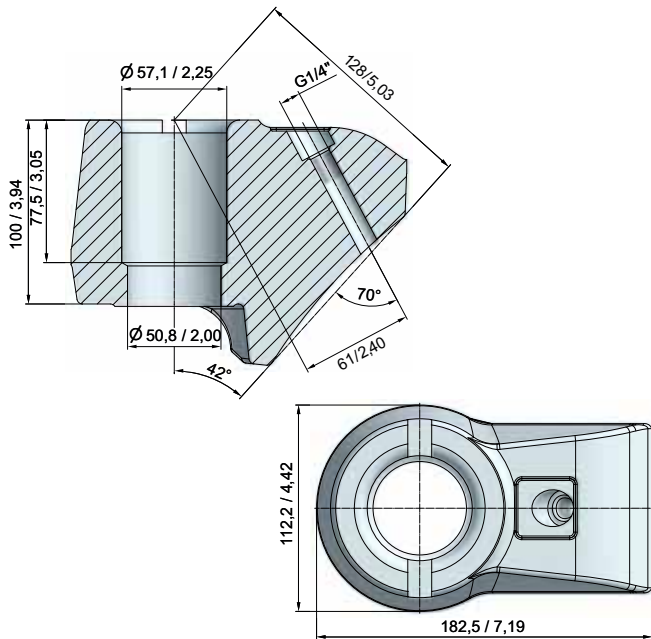
BSR205
BS43H - 68.67114



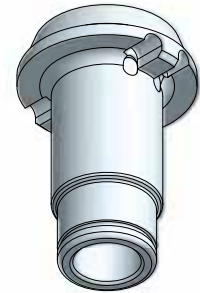
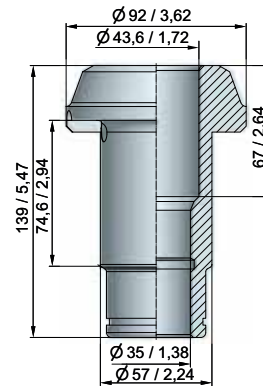
BSR203
BS43H - 69.67114



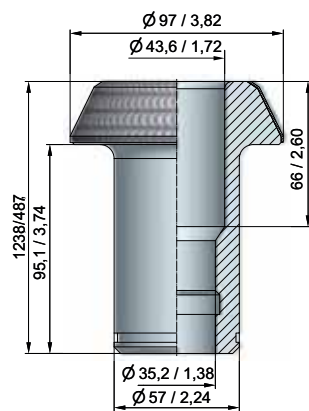
Prihvat Ø43 / 35 mm - 1,70 / 1,38"



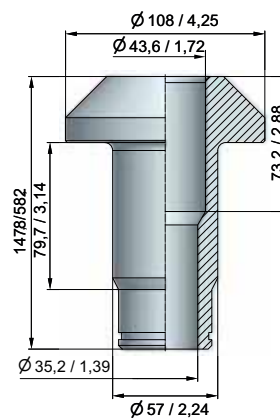
BHR159
B300



BR74
BR57- 44



BR77
BR57- 44 -124 / P

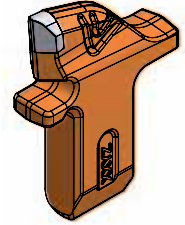
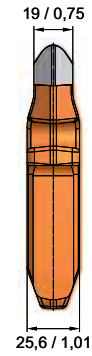
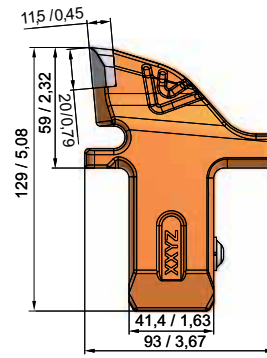
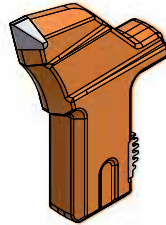
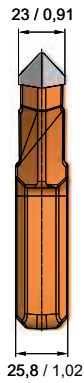
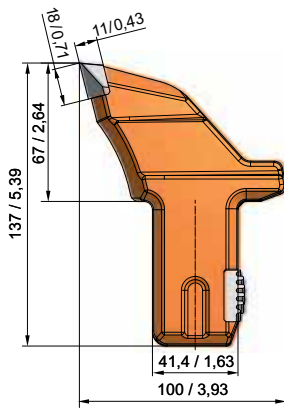


BR79
BR57- 44 -144



BZ40
Alat za vađenje klinova

Radialne oštrice - Radial pic

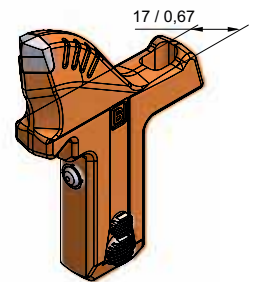
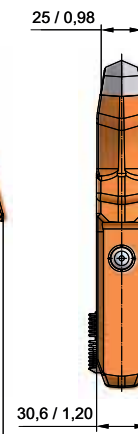
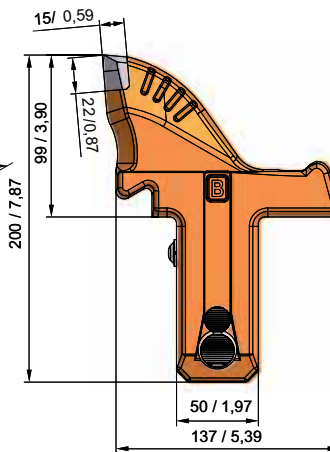
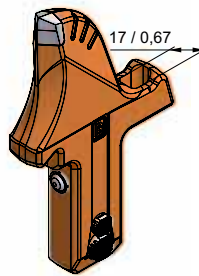
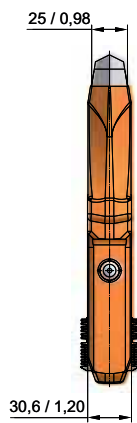
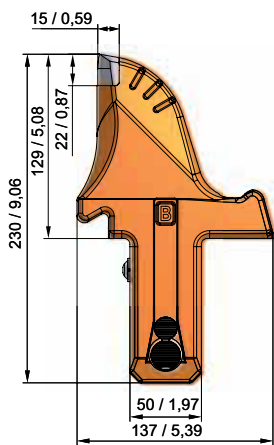


BF33
BF137x41.4x25.8

10

BF39
BF129x93x26

15



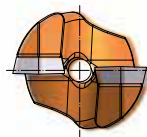
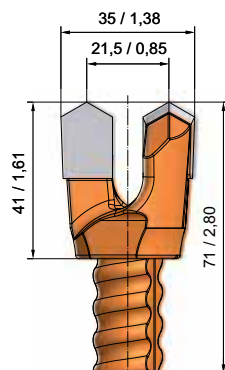
BF38
BF230x137x30.6

5

BF45
BF200x137x30.6

5

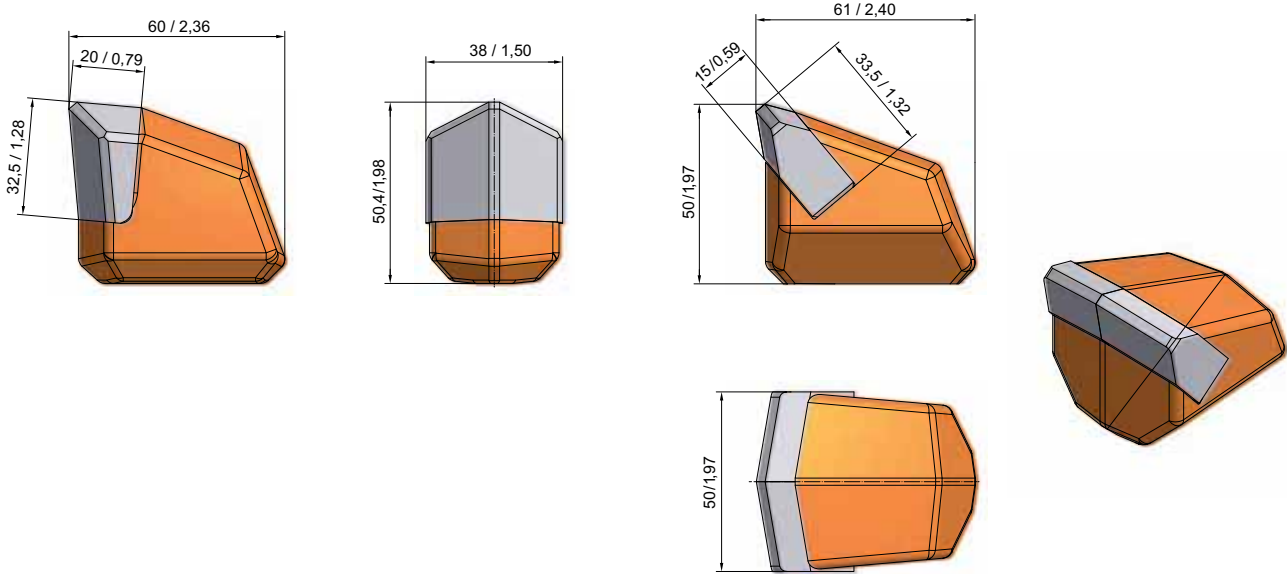
Krilasti zubi - Wing bit



BD01
BD71-35

100

Iskop smjernih potkopa (mikrotuneliranje) - Microtunnelling

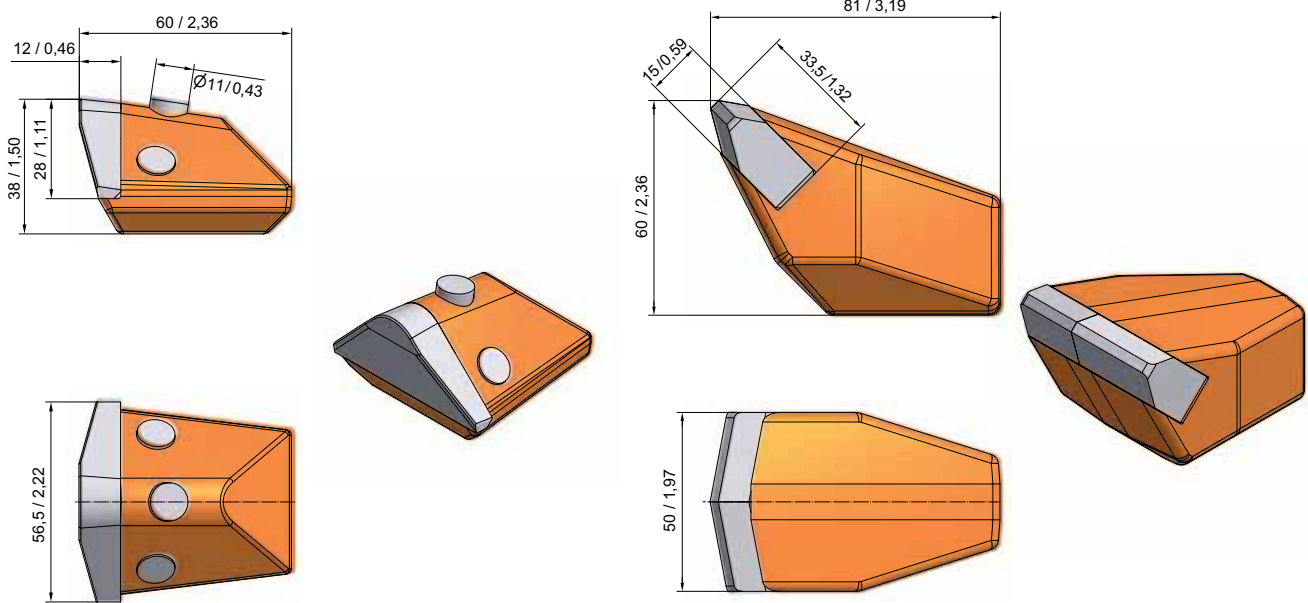


BFZ35M
BFZ38 / M

25

BFZ51
BFZ51

20



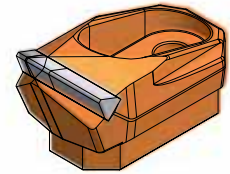
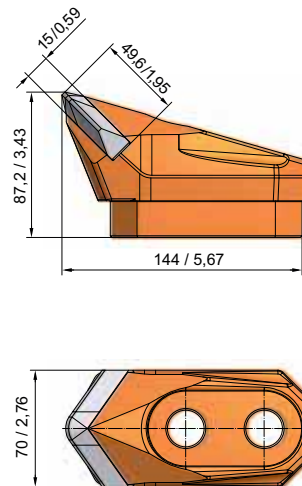
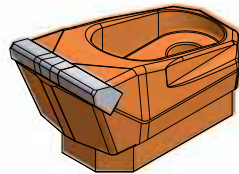
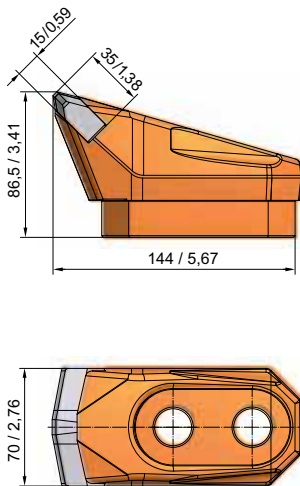
BFZ163
BFZ56

20

BFM08
BFM112x50 / S

15

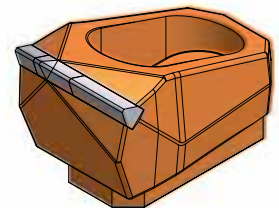
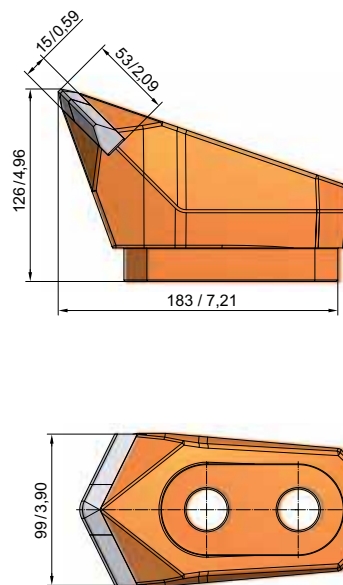
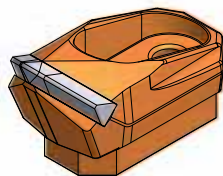
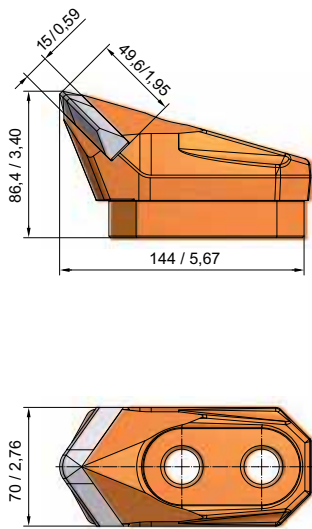
Iskop smjernih potkopa (mikrotuneliranje) - Microtunnelling



BFM07
BFM144x70



BFM16
BFM144x86x70

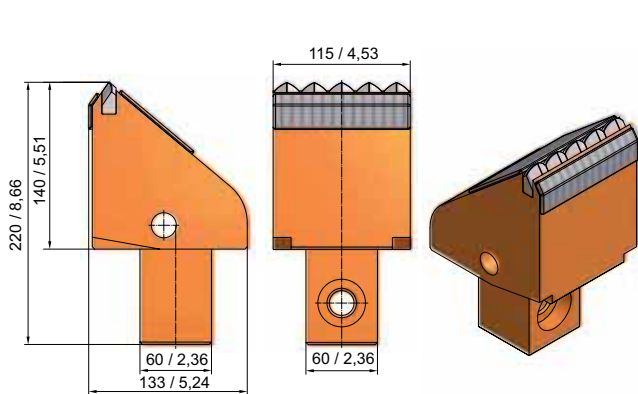


BFM70
BFM144x86x70 / 1

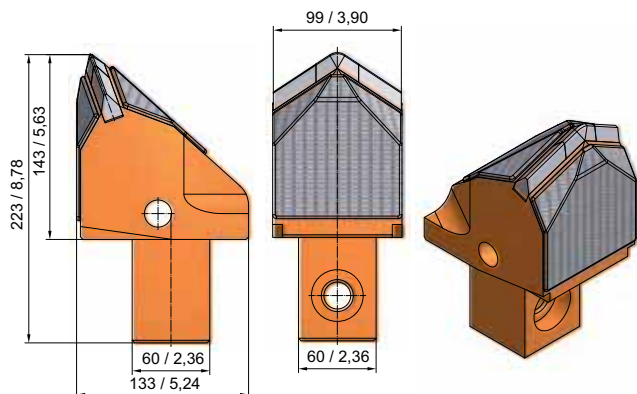


BFM71
BFM183x126x100

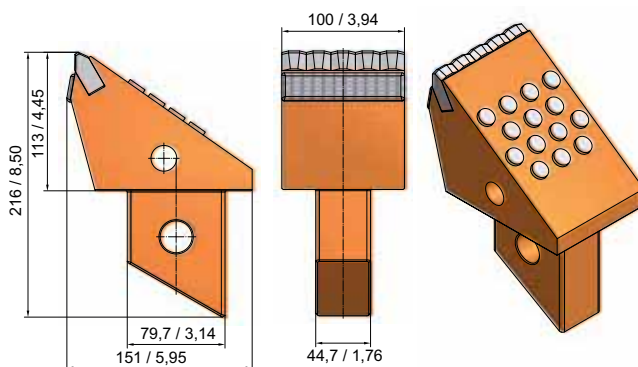
TBM alati (alati za strojeve za bušenje tunela) / Tools for TBM



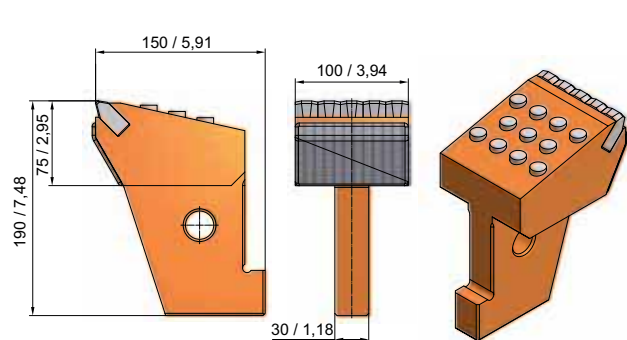
BFZ280
BFZ220x115



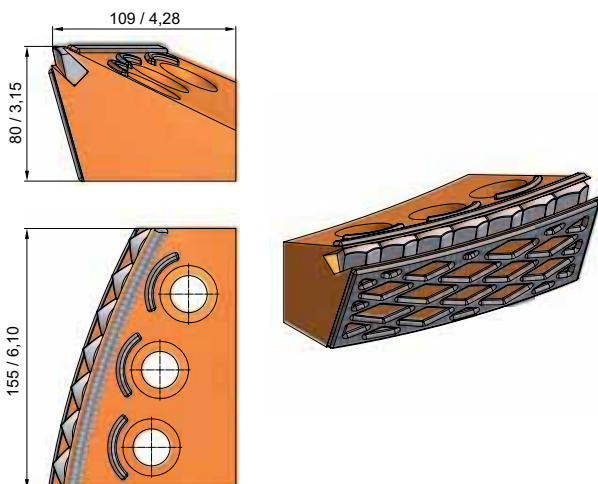
BFZ275
BFZ222,5x100



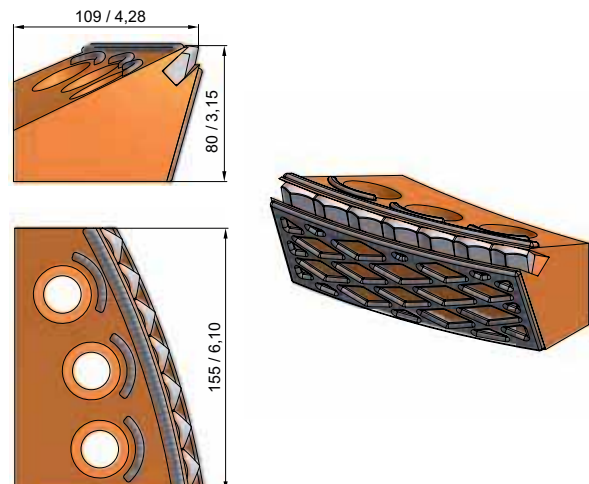
BFZ303
BFZ216x151x100



BFM77
BFM168x132 / B100

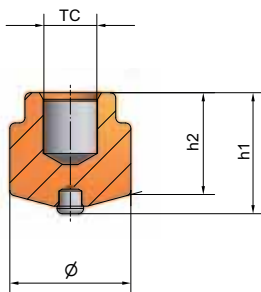


BRS13
BRS155x110x80 R



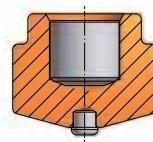
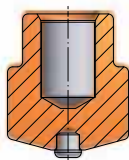
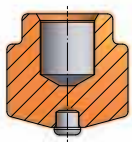
BRS14
BRS155x110x80 L

Vijci za zavarivanje s jezgrom od tvrdog metala / TungStuds



h_1 : visina prije zavarivanja
 h_2 : visina nakon zavarivanja

Za dodatne informacije pogledajte:
www.vorax.hr ili
www.betek.de/en/productprogramme/tungstuds



BTS01

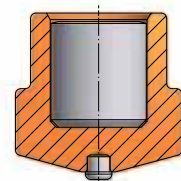
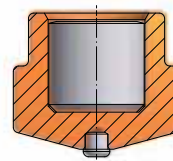
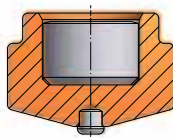
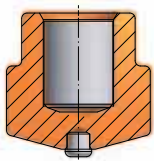
\varnothing : 16mm
 h_1 : 16mm
 h_2 : 11-12mm
 TC: $\varnothing 7 \times 8,4$ mm

BTS02

\varnothing : 16mm
 h_1 : 19mm
 h_2 : 14 -15mm
 TC: $\varnothing 7 \times 11,4$ mm

BTS03

\varnothing : 19mm
 h_1 : 16mm
 h_2 : 10,5-11,5mm
 TC: $\varnothing 9 \times 8,4$ mm



BTS04

\varnothing : 19mm
 h_1 : 19mm
 h_2 : 13,5 -14,5mm
 TC: $\varnothing 9 \times 12$ mm

BTS05

\varnothing : 22mm
 h_1 : 16mm
 h_2 : 10 -11mm
 TC: $\varnothing 12,6 \times 8,4$ mm

BTS06

\varnothing : 22mm
 h_1 : 19mm
 h_2 : 13 -14mm
 TC: $\varnothing 12,6 \times 12$ mm

BTS07

\varnothing : 22mm
 h_1 : 22mm
 h_2 : 16 -17mm
 TC: $\varnothing 12,6 \times 14$ mm



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