

Foundation Drilling

*Progress for **masters of**  
the construction site!*



**BETEK**

*Progress!*



## Tool range

## Page

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Welding bars                                                            | 7 – 9   |
| Quick change bars                                                       | 10 – 12 |
| Weld-on teeth                                                           | 12      |
| Dragon Tooth                                                            | 13      |
| Flat teeth                                                              | 14 – 16 |
| Pilots                                                                  | 17      |
| Round shank cutter bits    Shank system    Ø 11,3mm / 0,44", 13mm/0,52" | 18      |
| Round shank cutter bits    Shank system    Ø 14mm / 0,55", 18,7mm/0,74" | 19      |
| Round shank cutter bits    Shank system    Ø 19,4mm / 0,76"             | 20      |
| Round shank cutter bits    Shank system    Ø 25mm / 1"                  | 21 – 22 |
| Round shank cutter bits    Shank system    Ø 38/30mm - 1,5/1,18"        | 23 – 24 |
| Screw connections                                                       | 25      |
| Flat teeth for Hydro Cutter                                             | 27      |
| HDD Horizontal Directional Drilling                                     | 28 – 30 |
| Wear Protection                                                         | 31      |

Below the pictures of tools on the following pages you will find the following information:



**Dimensions: mm / inches**

**Welding instructions see:**

[www.betek.de/en/productprogramme/foundation-drilling-userinfo.html](http://www.betek.de/en/productprogramme/foundation-drilling-userinfo.html)

### **SUPPORT:**

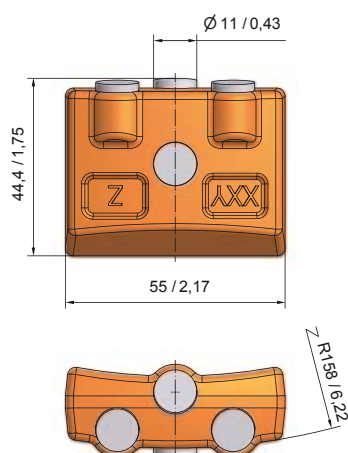
Germany:    info@betek.de  
Tel.: +49 (0) 74 22 / 5 65-591



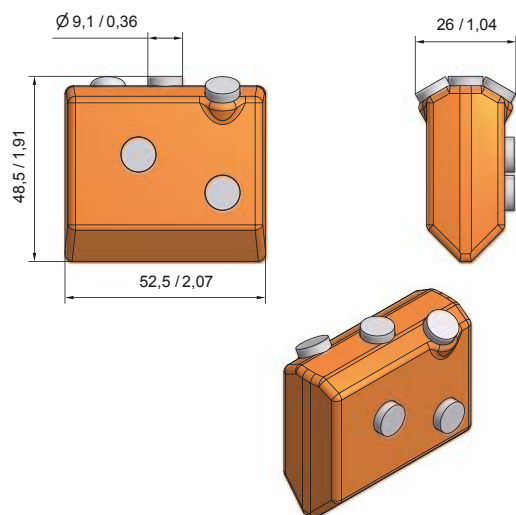


The technical drawing shows two views of the R150-1591 component. The top view is a front elevation showing a rectangular base with rounded corners. It features three mounting tabs along the top edge, each with a central hole. A dimension line indicates the distance between the centers of the first and second tabs as  $\varnothing 11 / 0,43$ . On the left side, there is a recessed area containing a cross-hatched pattern. Dimensions for the front view are: height  $36 / 1,42$ , width  $54 / 2,13$ , and a radius  $R150 / 15,91$  at the bottom right corner. The bottom view is a side elevation showing the profile of the component, which has a flat top and a curved bottom. It features three circular holes arranged horizontally. The dimensions for the side view are: height  $17 / 0,67$  and a radius  $R150 / 15,91$  at the bottom right corner.

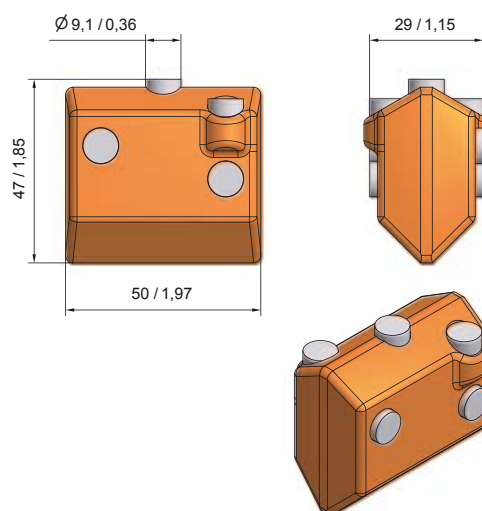
50



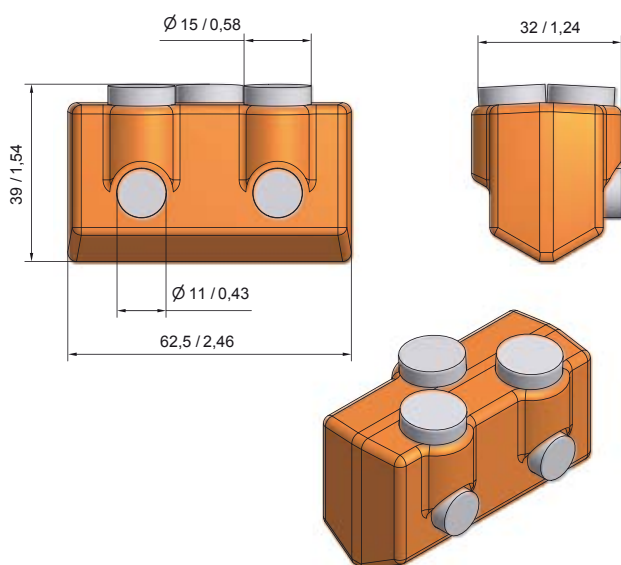
50



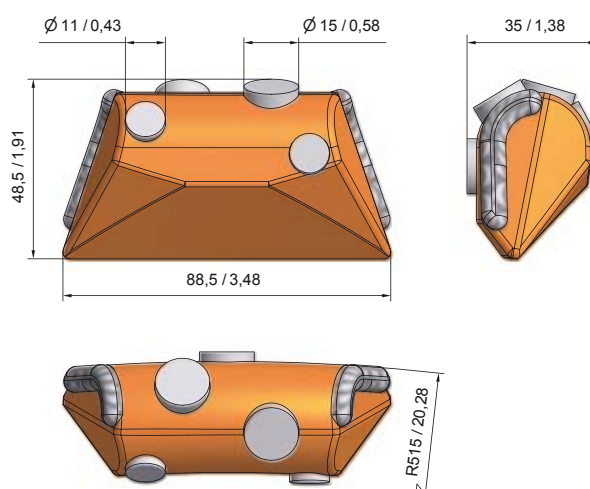
50



30

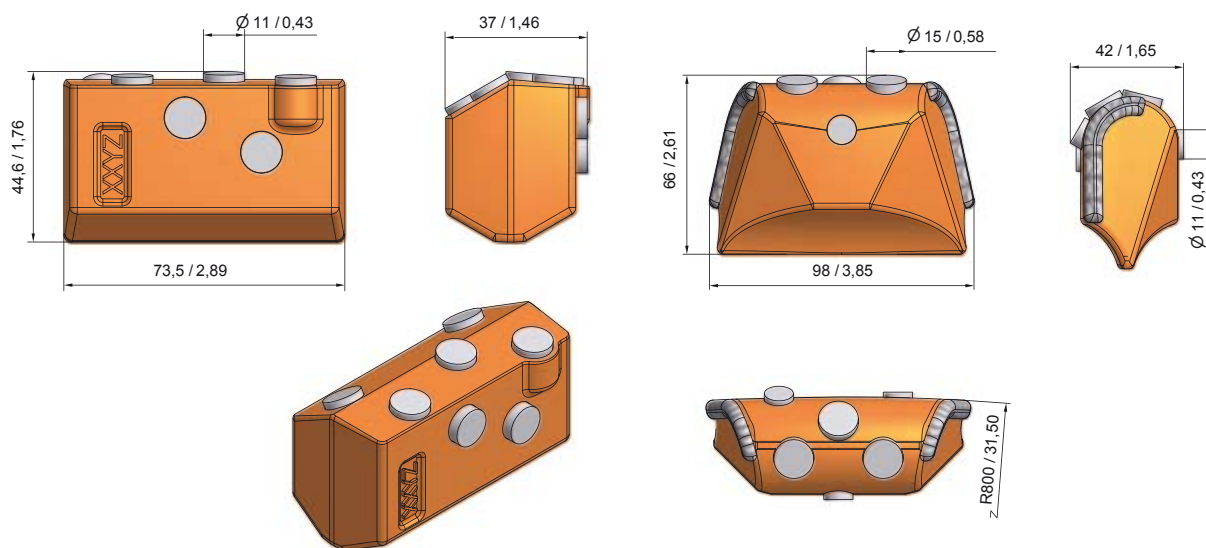


20



25

## Welding bars

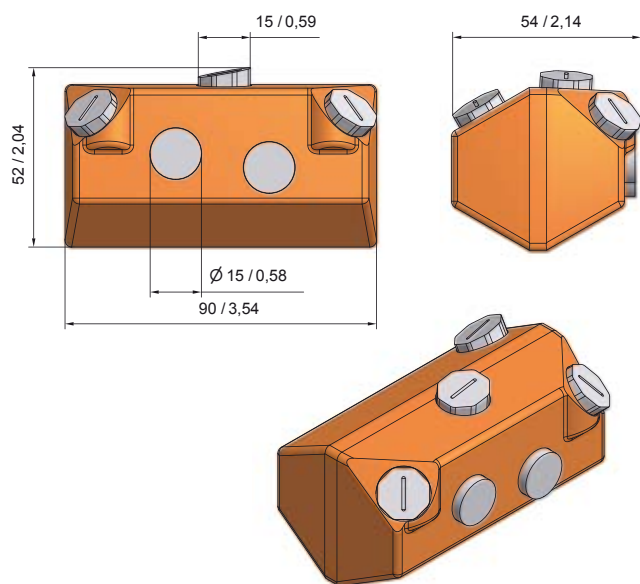


**BA04**  
BA70-38

20

**BA24**  
BA90-42

15

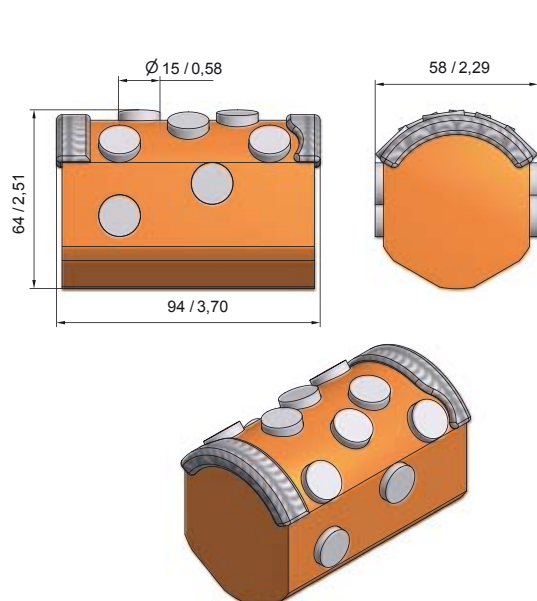


**BA19**  
BA90-54

10

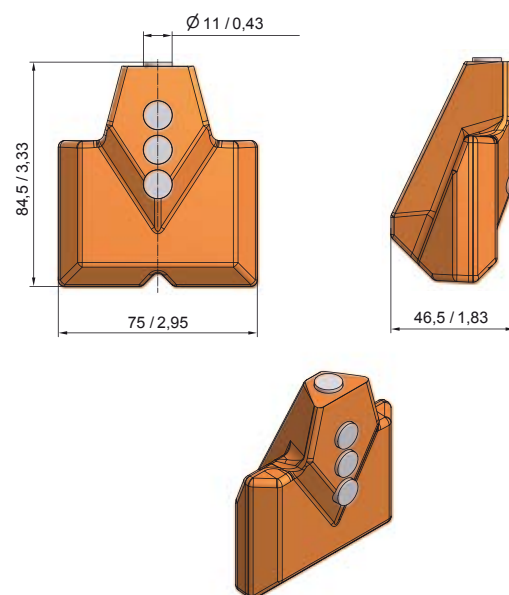


## Welding bars


**BA28**

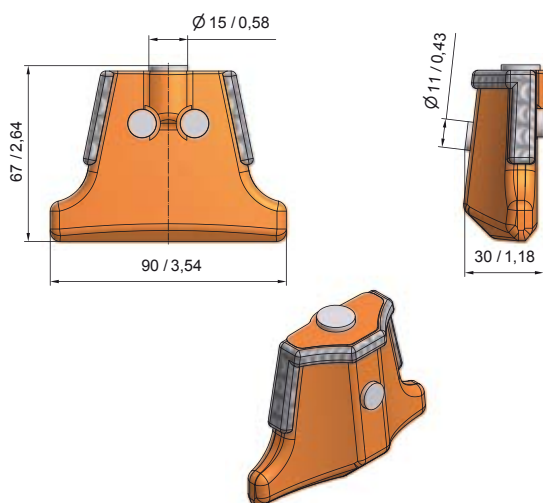
BA90-58/3

8


**BFZ26**

BFZ83x75x45/1

15

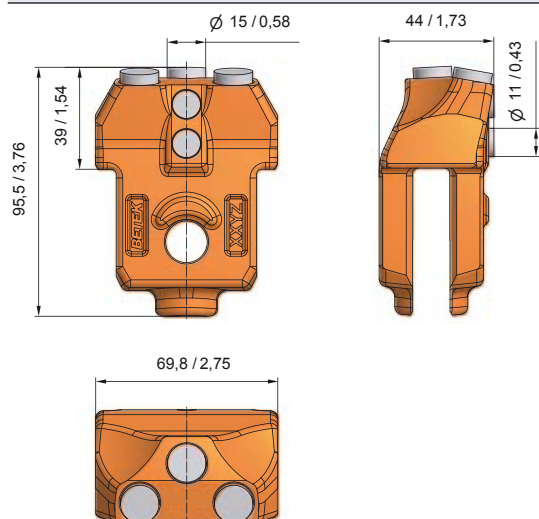

**BFZ72 / B**

BFZ65x90x30

25

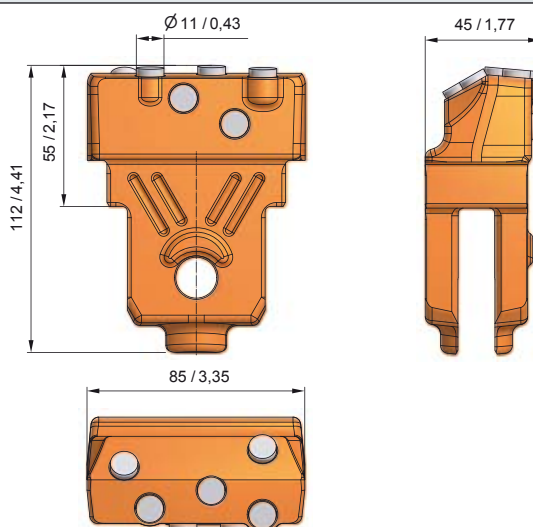


# Quick change bars 40mm / 1,58" casing wall thickness

**BA47**

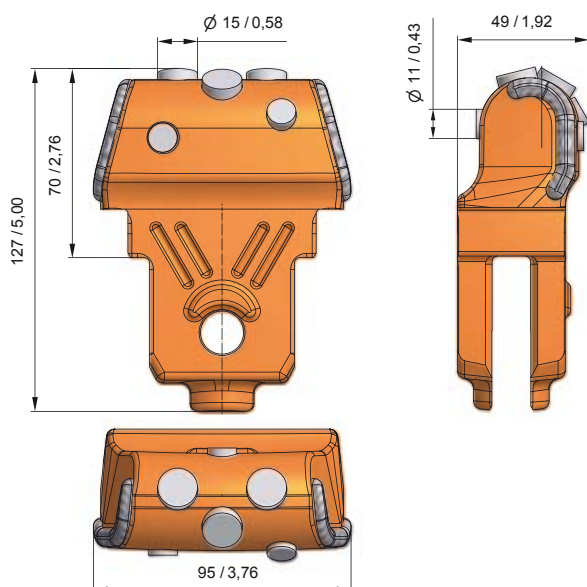
BA105x70x40

10

**BA50**

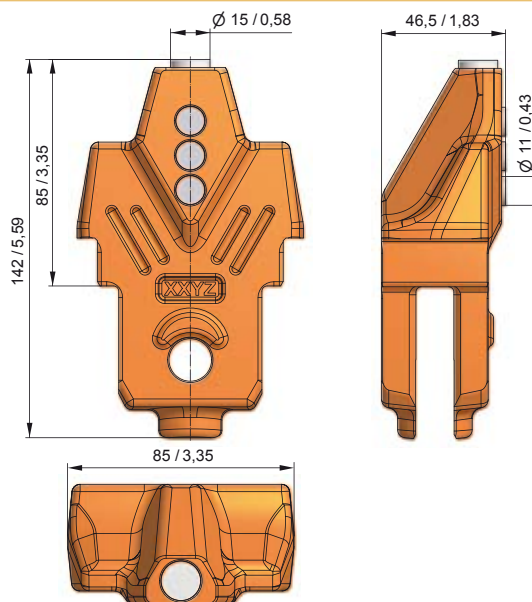
BA112x85x40

10

**BA51**

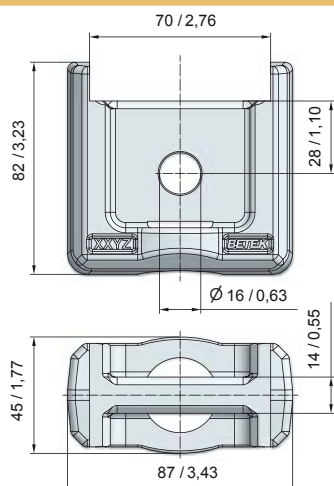
BA127x90x40

5

**BA52**

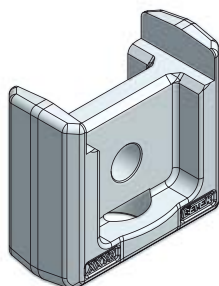
BA142x85x40

5

**BHA04**

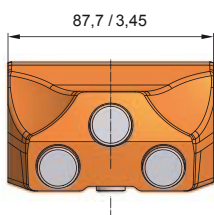
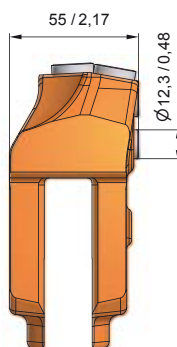
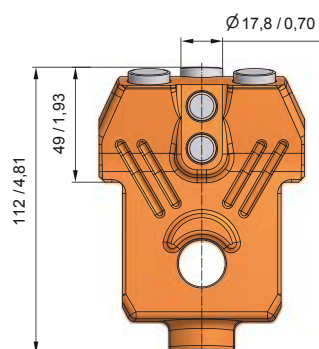
BHA87x82x38

10

**SPH73**

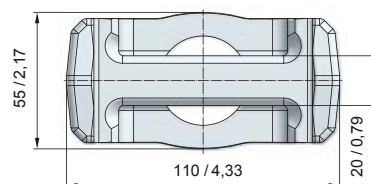
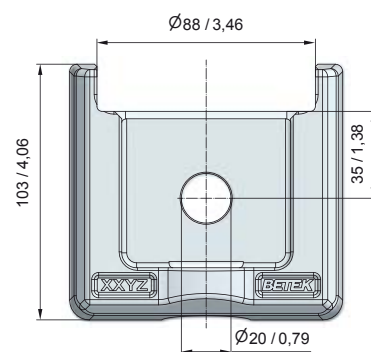


## Quick change bars 50mm / 1,97" casing wall thickness


**BA53**

BA122x88x50

5

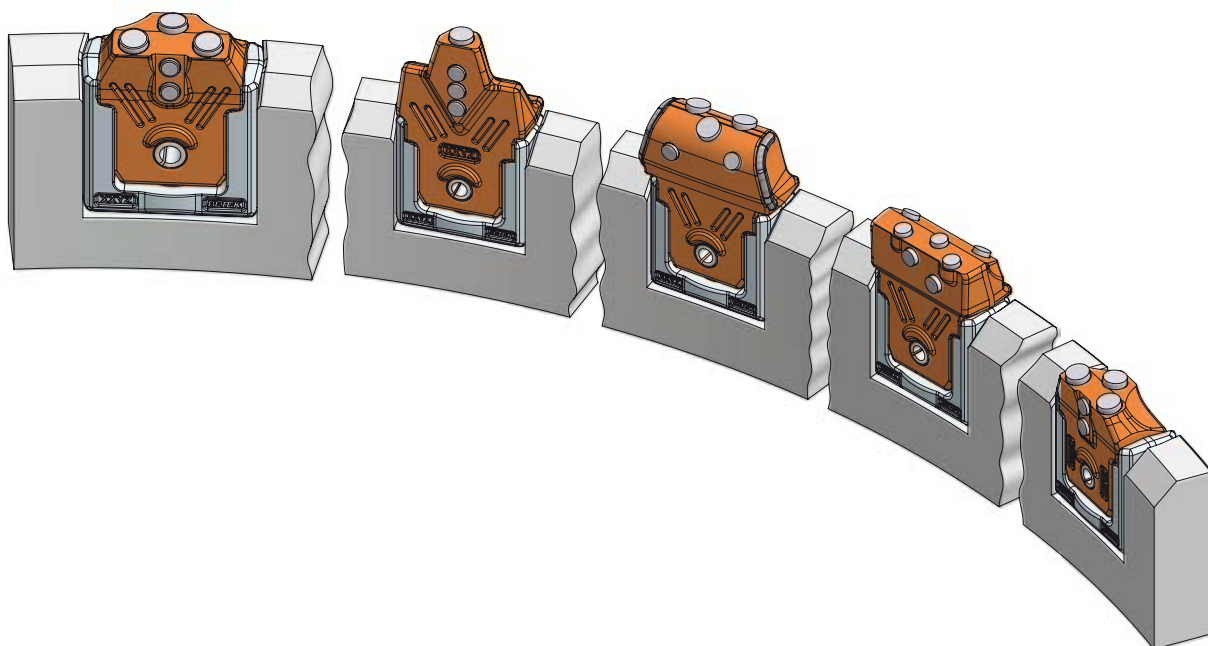

**BHA05**

BHA110x103x50

5

### Quick change bars

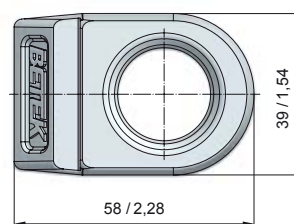
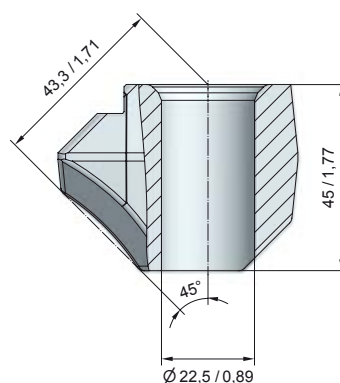
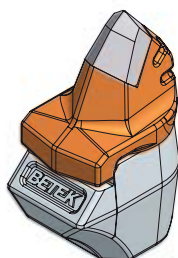
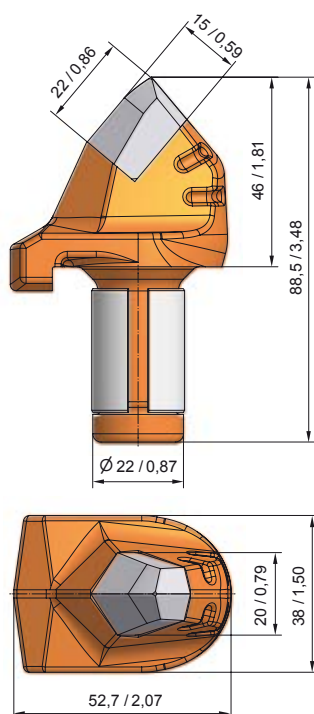
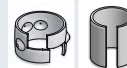
For greater drilling progress by virtue of a new cutting shape and quicker changes on the construction site.



50



## Dragon Tooth

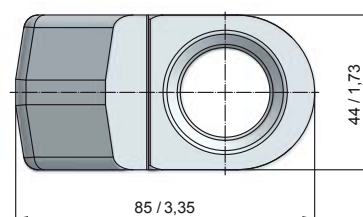
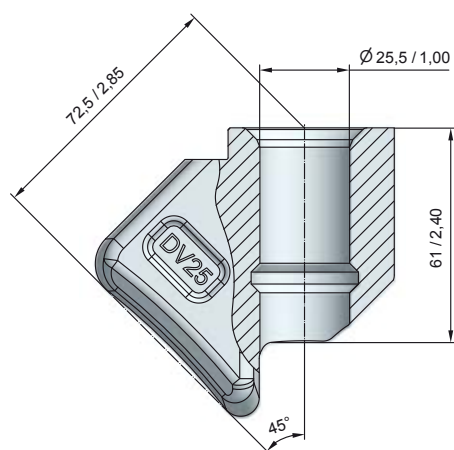
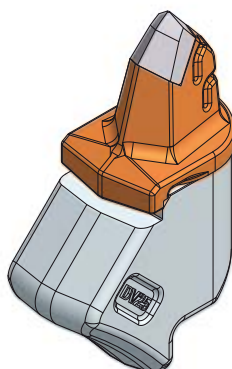
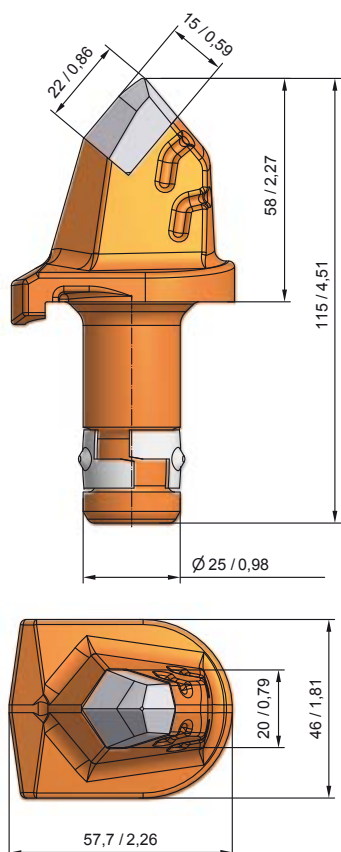


**BFR07**  
BFR46-22

40

**BHR133**  
B10/22-F

40



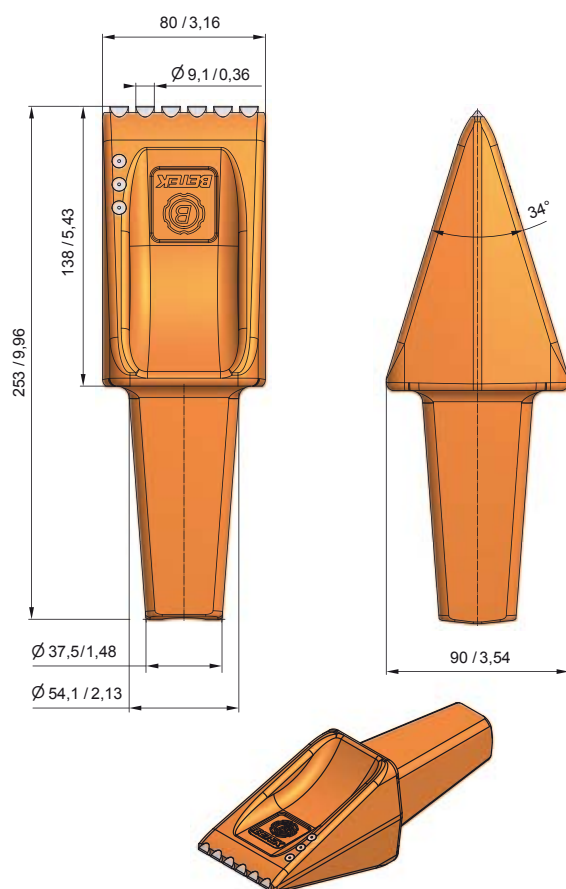
**BFR08**  
BFR58-25

25

**BHR184**  
DV25-F

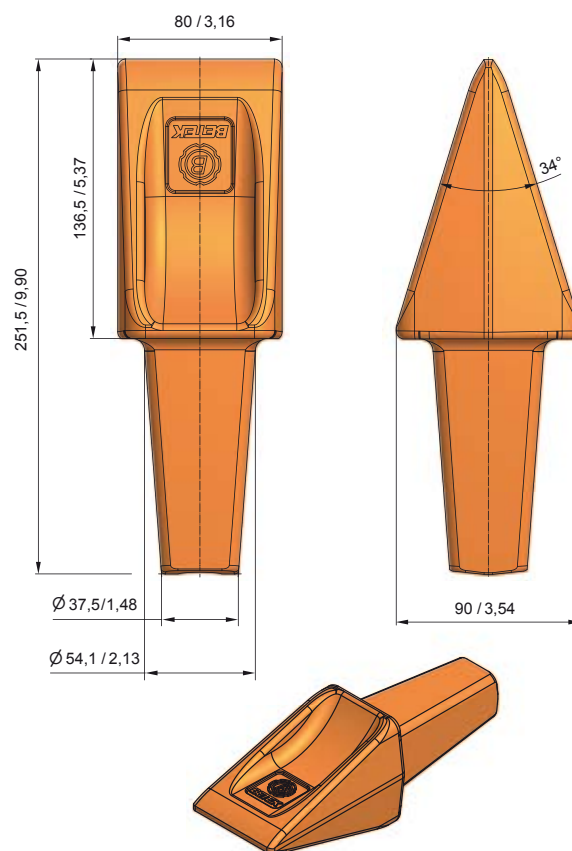
15

## Flat teeth



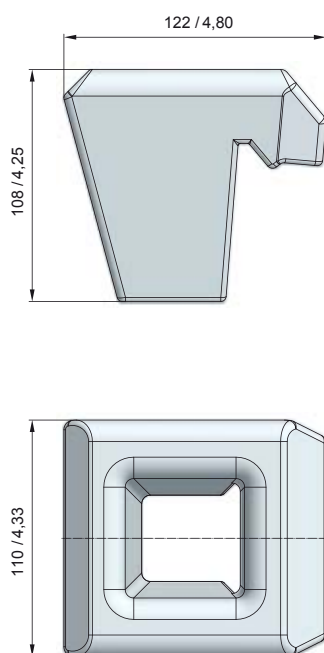
**BFZ317**  
BFZ80-B

2



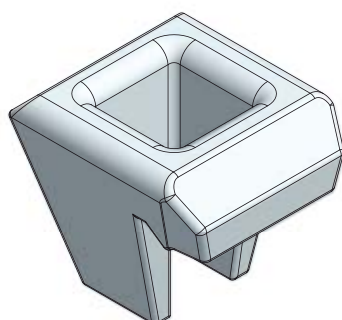
**BFZ79**  
BFZ80OHM

2

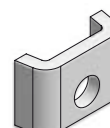


**BHR73**  
BHZ80/2

3

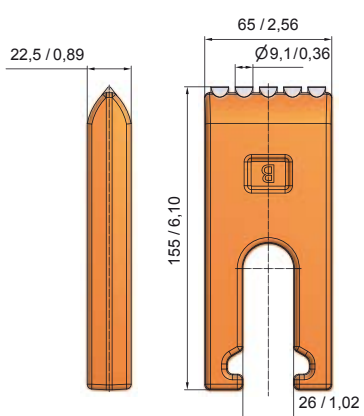


**SI102**



**SI103**

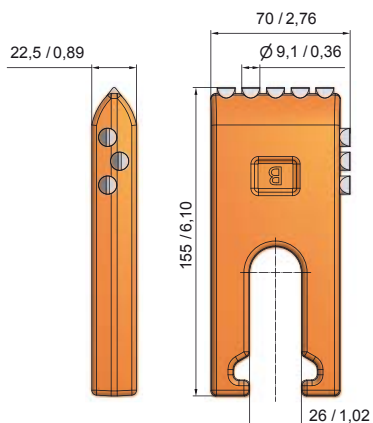
## Flat teeth



**BFZ65HM**

BFZ65/2

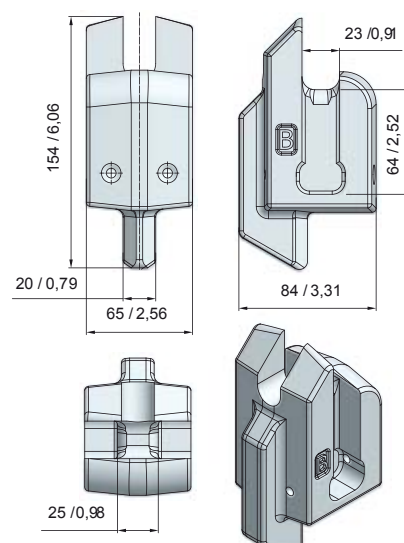
10



**BFZ02**

BFZ65/3

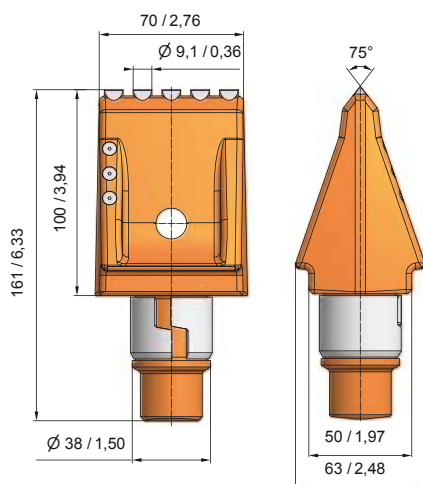
10



**BHF02**

B65-22

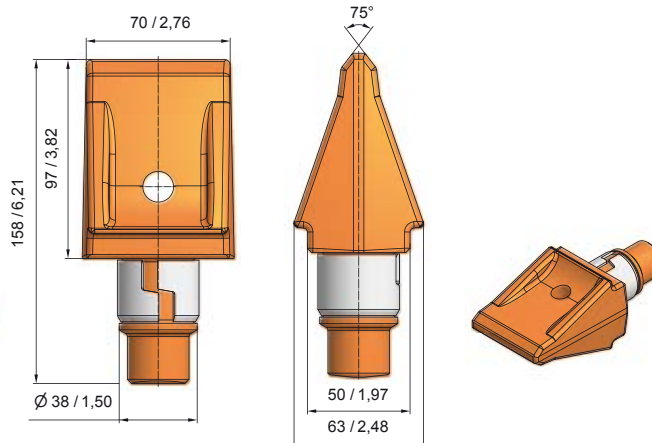
5



**BFZ162**

BFZ100x70/2

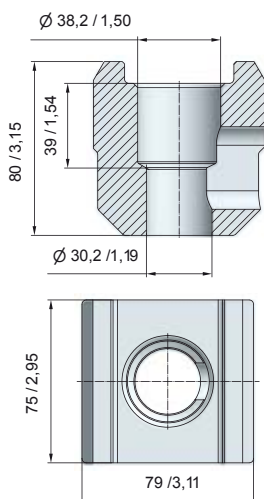
5



**BFZ69**

BFZ100x70

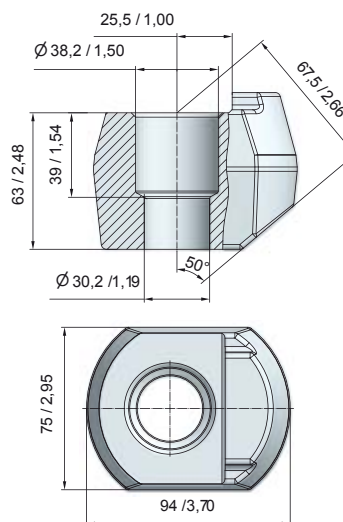
5



**BHR112**

B75

5



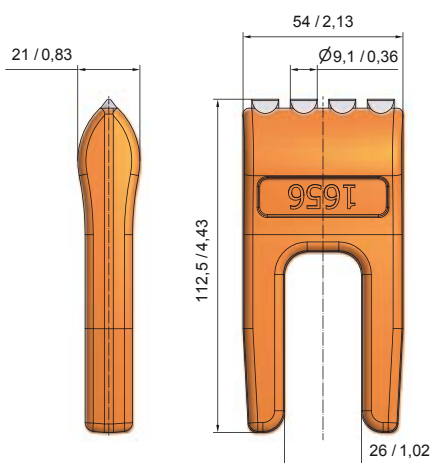
**BHR39**

B48

6

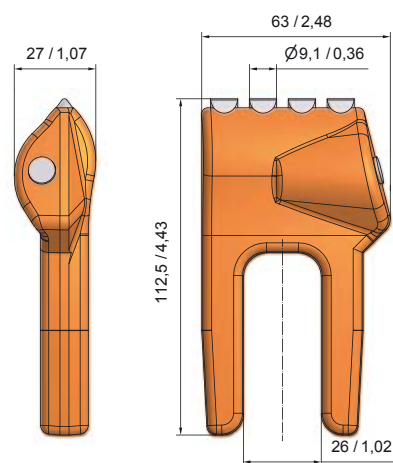


## Flat teeth



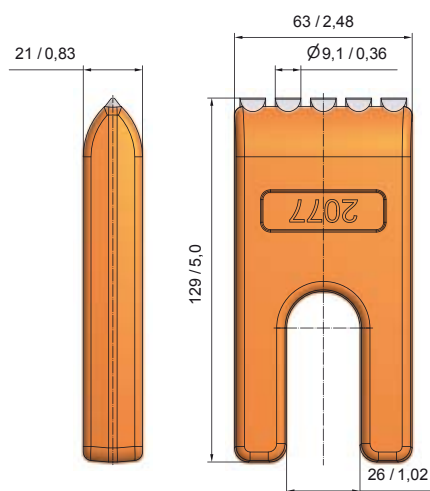
**BFZ05N**  
BFZ1656N

25



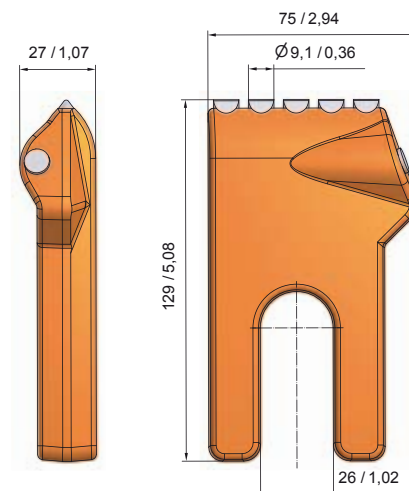
**BFZ198N**  
BFZ1658N

20



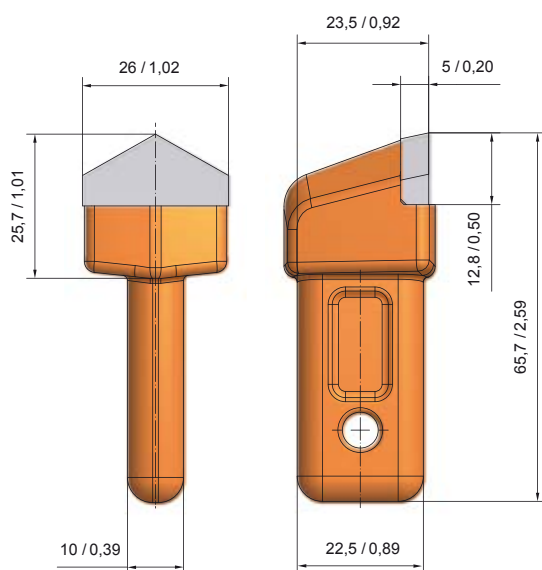
**BFZ200N**  
BFZ2077N

15



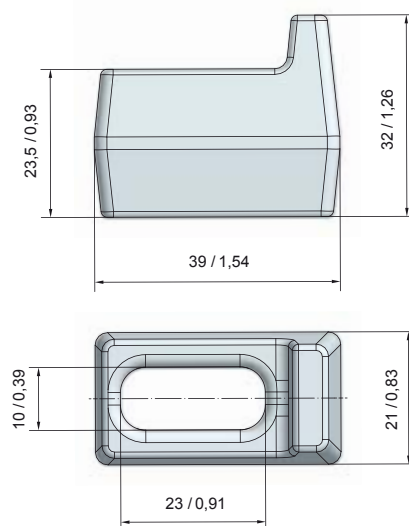
**BFZ218**  
BFZ2078

15



**BFZ272**  
BFZ67x30x26

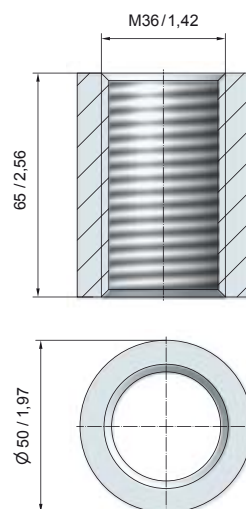
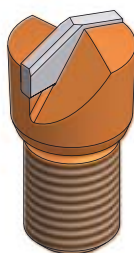
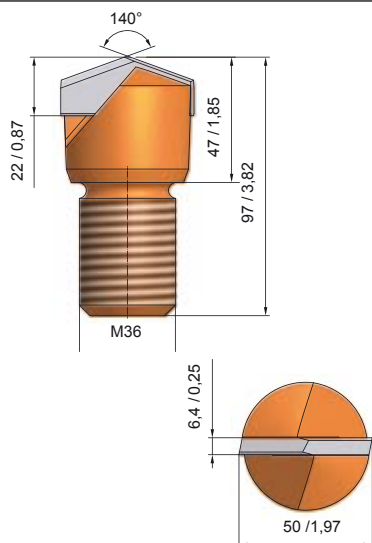
100



**BHZ24**  
BHZ39x32x21

100

## Pilots



**BP04**

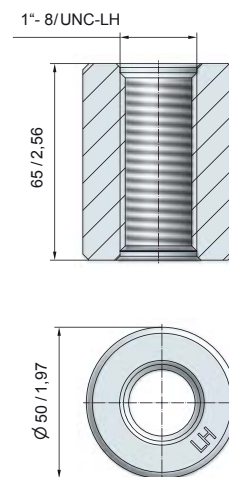
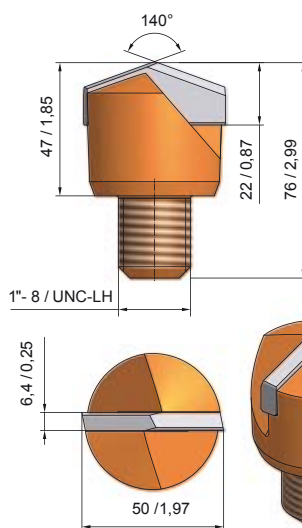
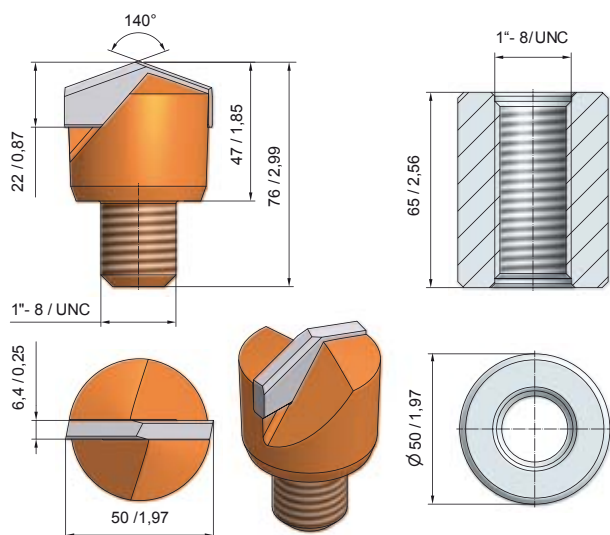
BP51 / M36-HD3

20

**BPH01**

GH-M36

10



**BP01**

BP51 / 1" -HD3

20

**BPH02**

GH-1"

10

**BP10**

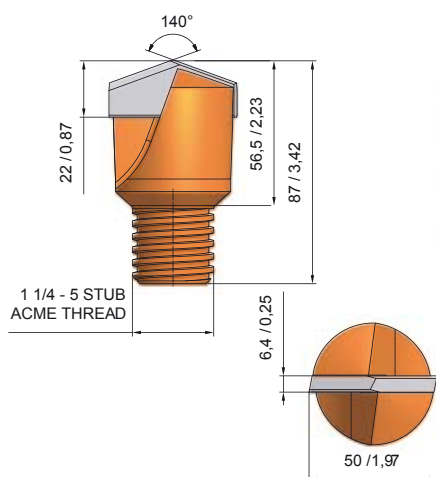
BP51 / 1" -HD3 / LH

20

**BPH03**

GH-1" LH

10



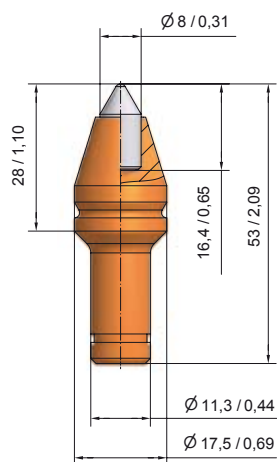
**BP51**

BP51x87

20

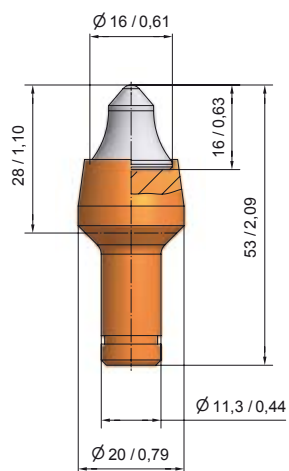


## Shank system Ø 11,3mm/0,44"

**BM11**

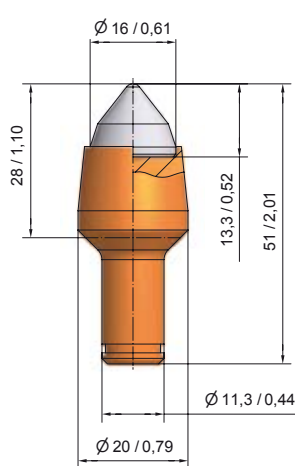
BM8-11.3

200

**BM10**

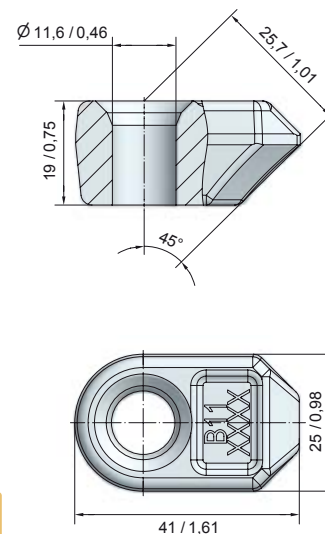
BM4-11.3

200

**BM46**

BM3-11.3

200

**BHR03**

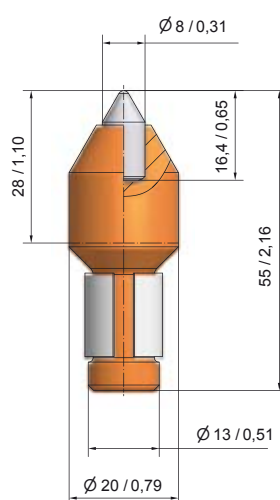
B11

200



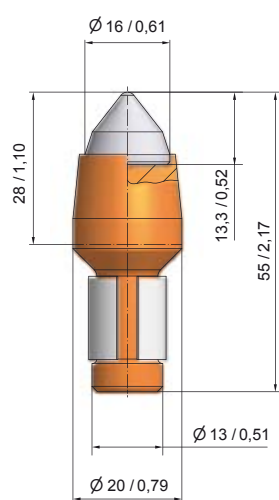
SR54

## Shank system Ø 13mm/0,52"

**BM34**

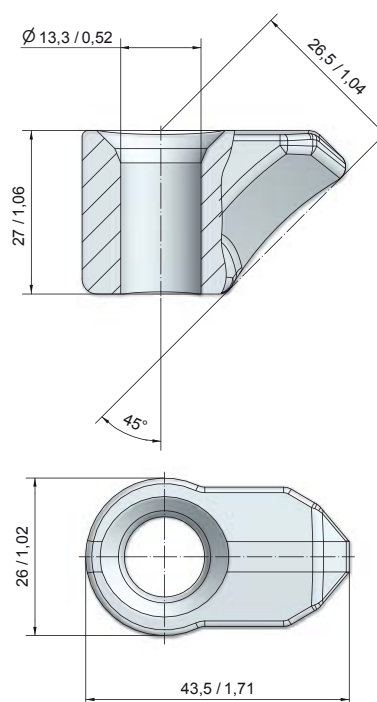
BM8-13/H

200

**BM62**

BM3-13/H

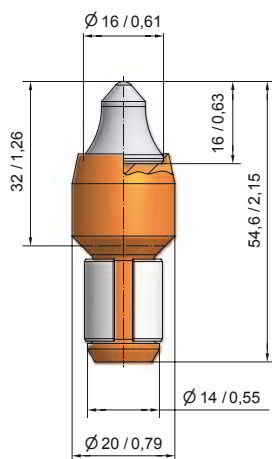
200

**BHR47**

B13

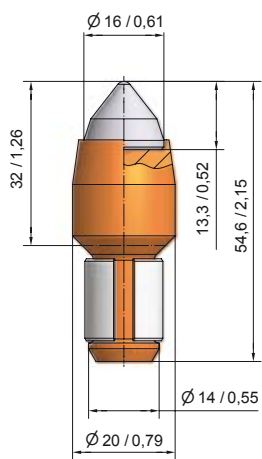
200

## Shank system Ø 14mm/0,55"


**BM55**

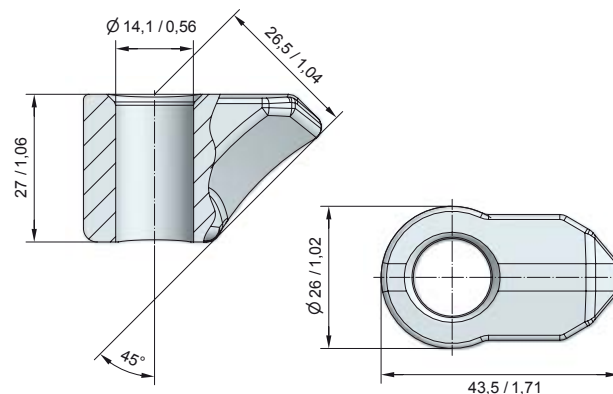
200

BM4-14/2


**BM60**

200

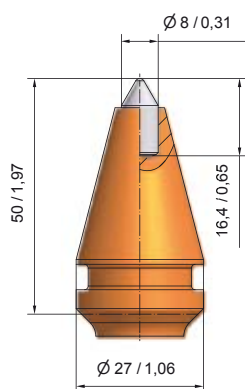
BM3-14/H


**BHR109**

150

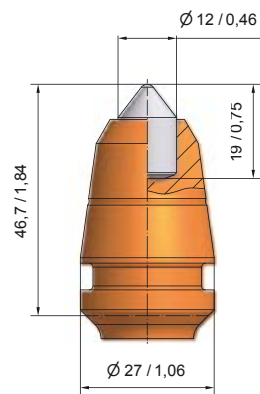
B14

## Shank system Ø 18,7mm/0,74"


**BTR08**

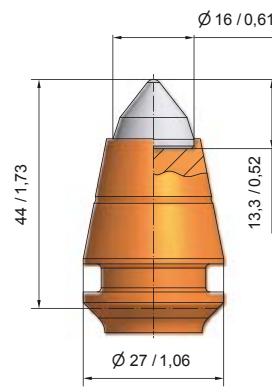
75

B43K8S


**BTR02**

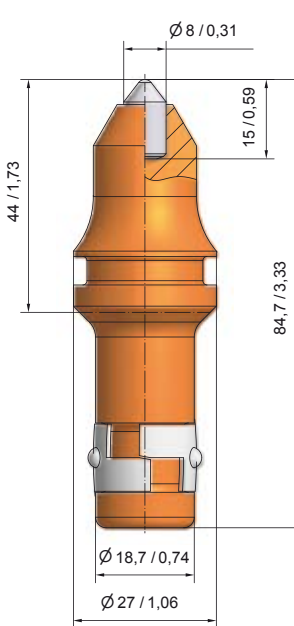
50

B43HDK12


**BTR03**

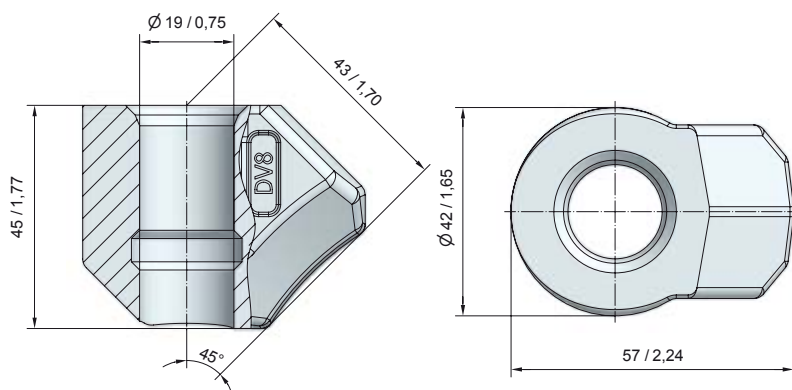
50

B43/3


**BTR01**

50

B43K8

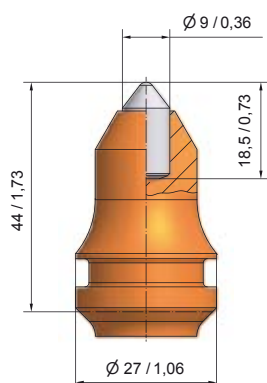

**BHR20**

40

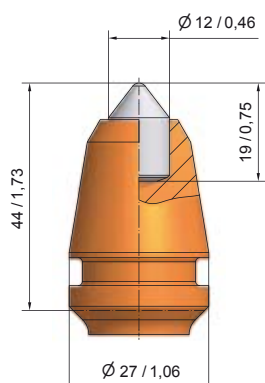
DV8



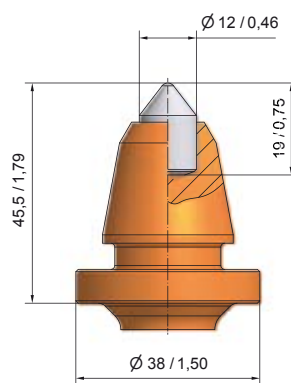
## Shank system Ø 19,4mm/0,76"


**BSK15**  
B1K9-K

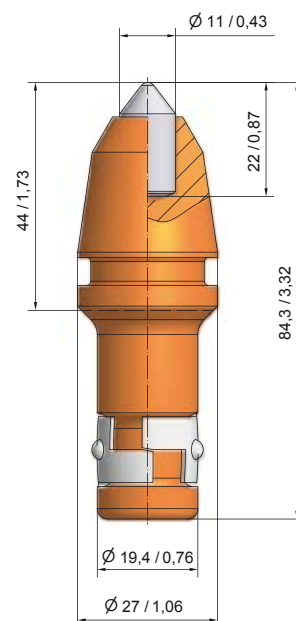
50


**BSK17**  
B1HDK12-K

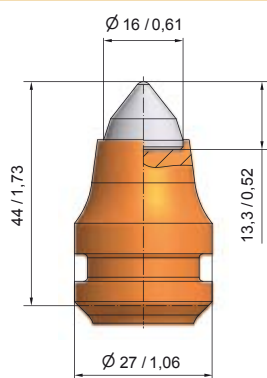
50


**BSK21**  
B1-12/38-K

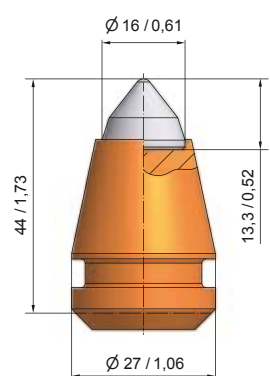
50


**BSK16**  
B1HDK11-K

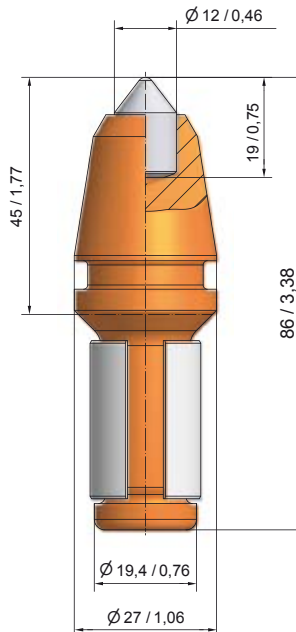
50


**BSK12**  
B3-K

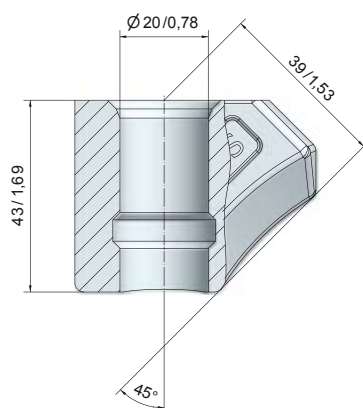
50


**BSH09**  
B3

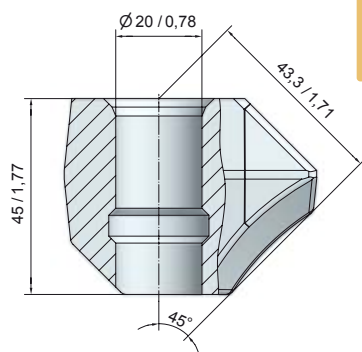
50


**BSH05**  
B1HDK12

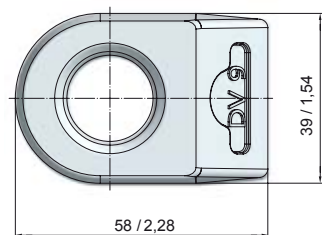
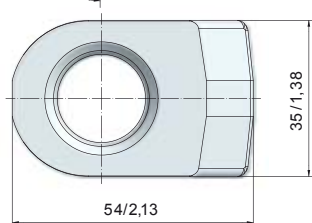
50


**BHR164**  
DV9-S

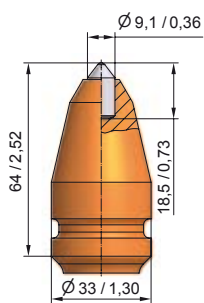
50


**BHR07**  
DV9

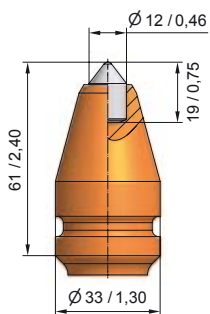
40



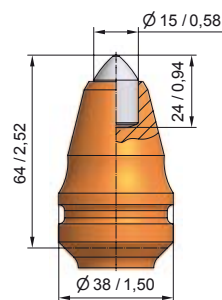
## Shank system Ø 25mm / 1"


**BTK01**

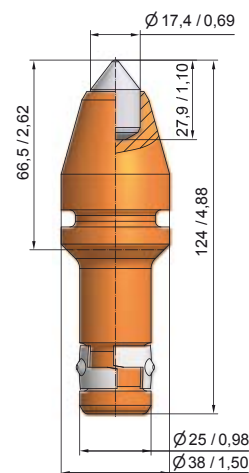
B40K9


**BTK03**

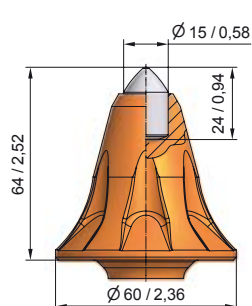
B40HDK12


**BTK10**

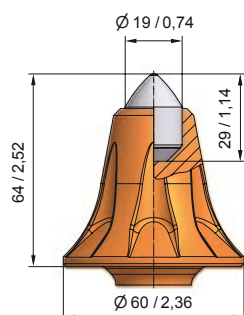
B40HDS


**BTK70**

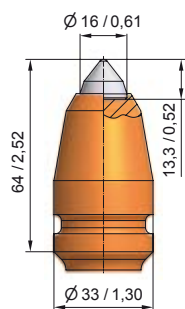
B40K17.5


**BTK81**

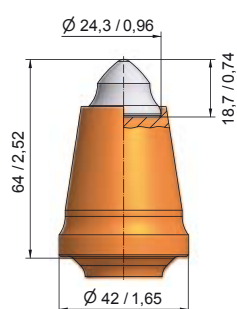
B40HDS/60


**BTK89**

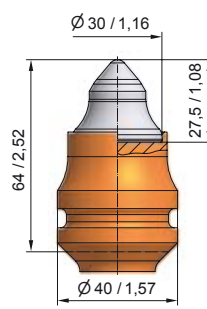
BG25K-19.6064


**BTK16**

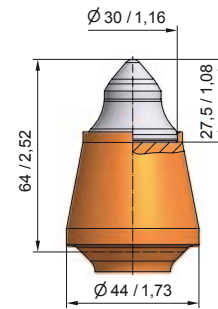
B40/3


**BTK87**

B40/9


**BTK23**

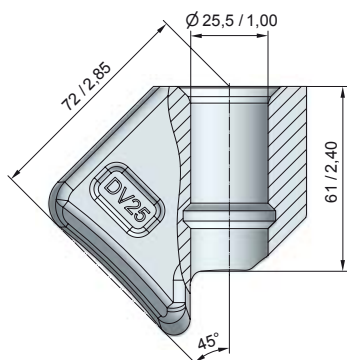
B40HBL


**BTK26**

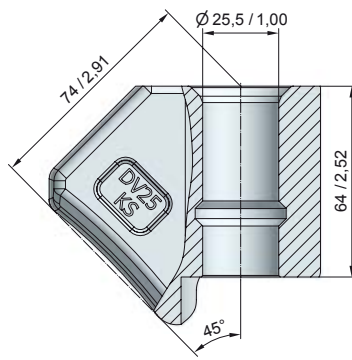
B40-J1-HBL



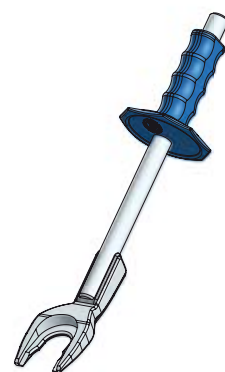
## Shank system Ø 25mm / 1"



**BHR31**  
DV25



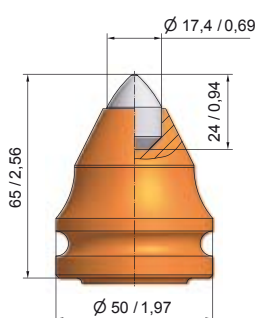
**BHR121**  
DV25KS



**BZ22**  
Bit puller

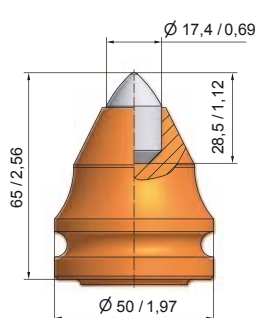


## Shank system Ø 38/30mm - 1,5/1,18"


**BKH140**

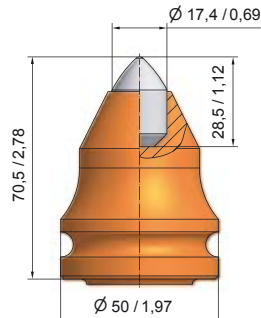
15

B47K17.5-H/2


**BKH28**

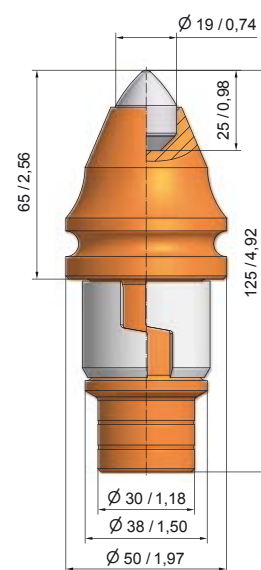
15

B47K17.5-H


**BKH80**

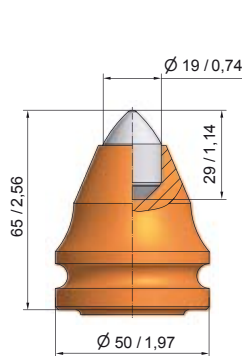
15

B47K17.5LK70-H


**BKH83**

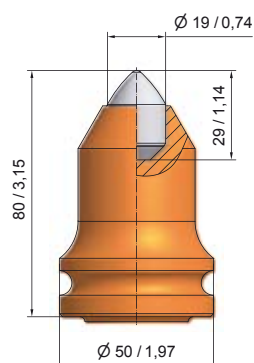
15

B47K19-H/2


**BKH40**

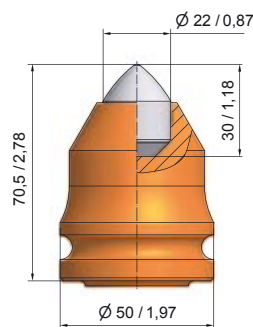
15

B47K19-H


**BKH41**

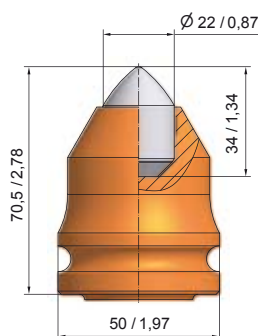
15

B47K19LK80-H


**BKH85**

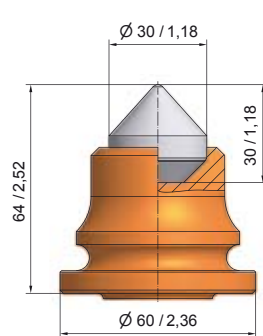
15

B47K22-H/2


**BKH47**

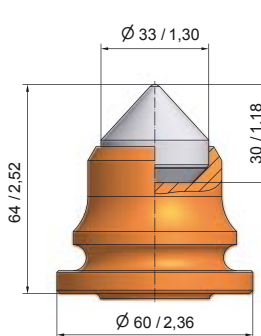
15

B47K22-H


**BKH81**

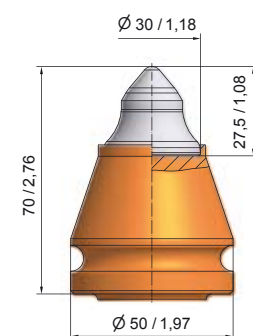
10

B47K30/60-H


**BKH84**

10

B47K33/60-H

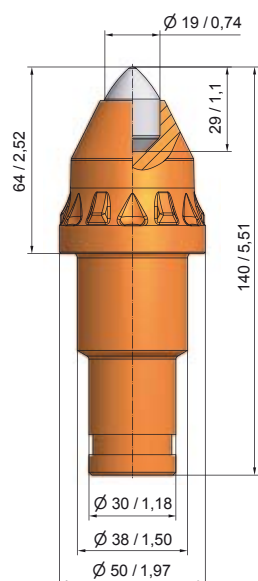

**BKH73**

10

B47K30LK70-H

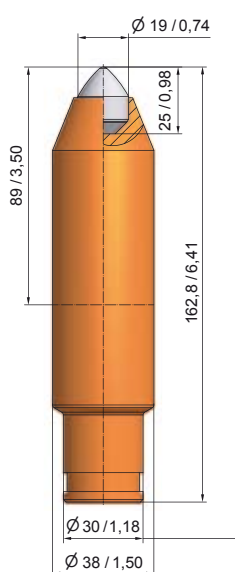


## Shank system Ø 38/30mm - 1,5/1,18"

**BKS154**

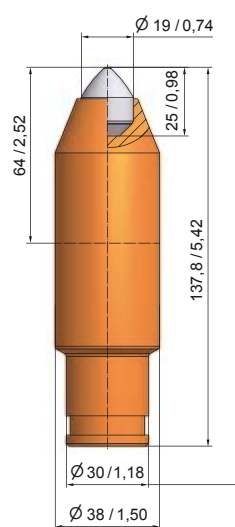
BS38W-19.5064

10

**BKS186**

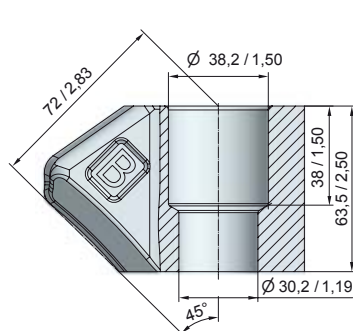
BS38W-19.3889

15

**BKS187**

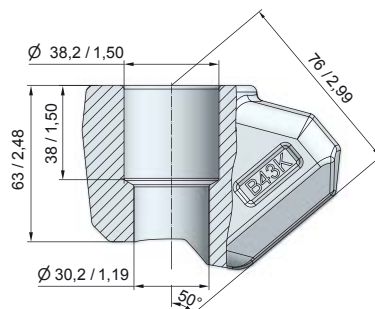
BS38W-19.3864

15

**BHR38**

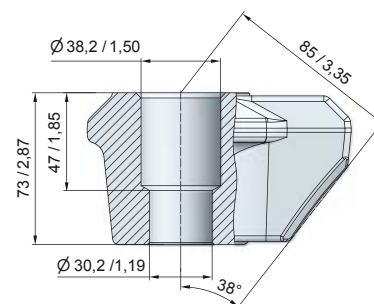
B43H

10

**BHR113**

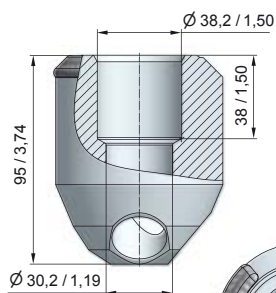
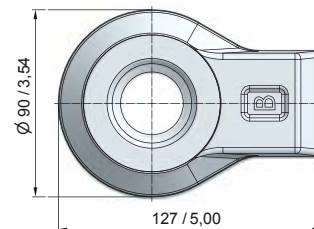
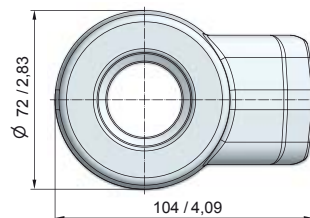
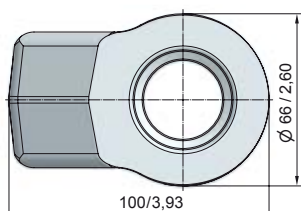
B43K

6

**BHR77**

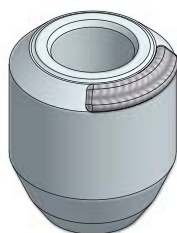
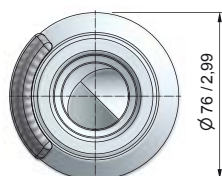
B320

5

**BHR163**

B76/P

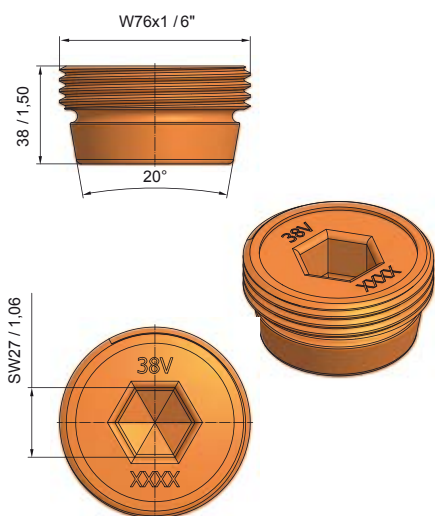
6

**BZ12**

Bit puller

**BZ18**Bit puller  
incl. copper disc

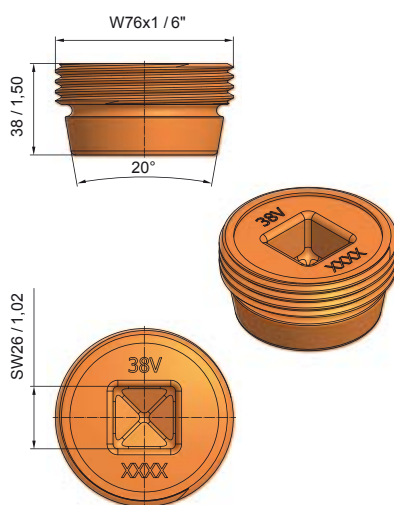
## Screw connections



**BRV08**

BRV75/38LV

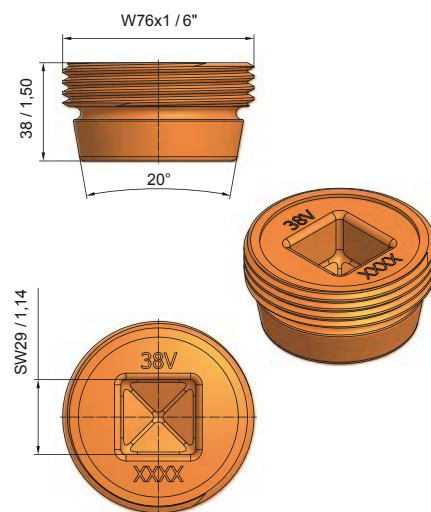
15



**BRV10**

BRV75/38LV/4

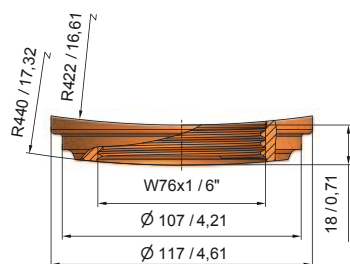
15



**BRV23**

BRV75/38LV/4/29

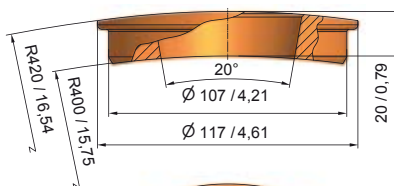
15



**BRV02**

BRV-G88/L

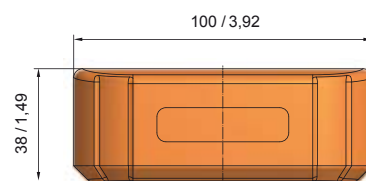
15



**BRV03**

BRV-K88/L

15



**BRV32**

BRV-AK

15



**BRV34**

BRVSW26



**BRV35**

BRVSW29



| Description | Application / Info | Art-No |
|-------------|--------------------|--------|
|-------------|--------------------|--------|

#### Casing screw connections for walls 30mm thick

|            |       |       |
|------------|-------|-------|
| BRV-G46-14 | d=460 | BRV19 |
| BRV-K46-14 | d=460 | BRV18 |
| BRV60/29/4 | –     | BRV20 |

#### Casing screw connections for walls 40mm thick

|                 |               |       |
|-----------------|---------------|-------|
| BRV-G64/B       | d=620 - 640   | BRV04 |
| BRV-K64/B       | d=620 - 640   | BRV05 |
| BRV-G64/L       | d=620 - 640   | BRV14 |
| BRV-K64/L       | d=620 - 640   | BRV15 |
| BRV-G88/L       | d=880         | BRV02 |
| BRV-K88/L       | d=880         | BRV03 |
| BRV-G118/L      | d=1180        | BRV06 |
| BRV-K118/L      | d=1180        | BRV07 |
| BRV-G150/L      | d=1500 - 1800 | BRV12 |
| BRV-K150/L      | d=1500 - 1800 | BRV11 |
| BRV-G80-100-B   | d=800 - 1000  | BRV30 |
| BRV-K80-100-B   | d=800 - 1000  | BRV31 |
| BRV75/38LV      | (6kt.SW27)    | BRV08 |
| BRV75/38LV/4    | (4kt.SW26)    | BRV10 |
| BRV75/37/12°/BV | –             | BRV16 |
| BRV75/38LV/4    | (4kt.SW29)    | BRV23 |
| O-Ring 5x60     | –             | SI116 |

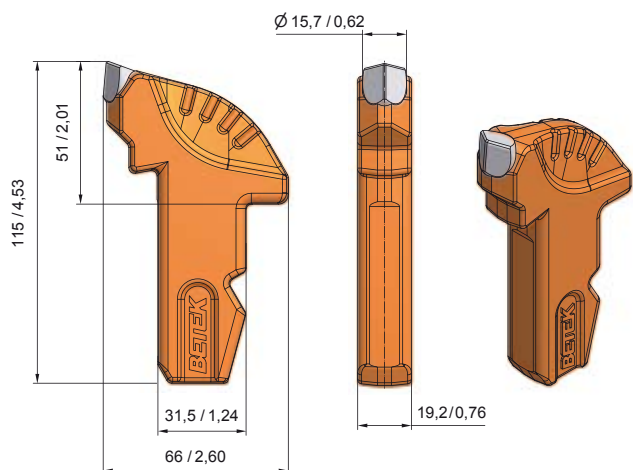
#### Casing screw connections for walls 50mm thick

|               |               |       |
|---------------|---------------|-------|
| BRV75/48/4    | –             | BRV17 |
| BRV-G140-23   | d=1400 - 1500 | BRV21 |
| BRV-K140-24,5 | d=1400 - 1500 | BRV22 |

#### Other

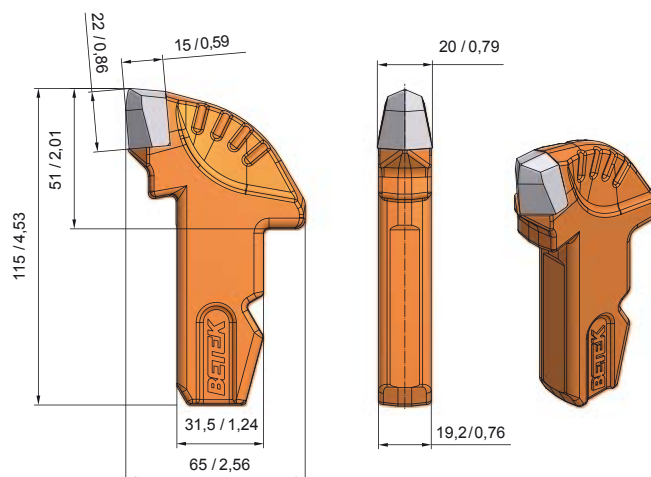
|        |               |       |
|--------|---------------|-------|
| BRV-AK | (Stop wedges) | BRV32 |
|--------|---------------|-------|

## Flat teeth for Hydro Cutter


**BF40**

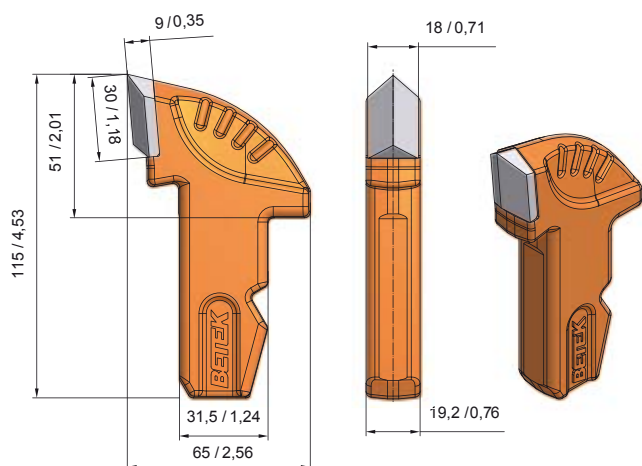
BF115x32x19

25


**BF41**

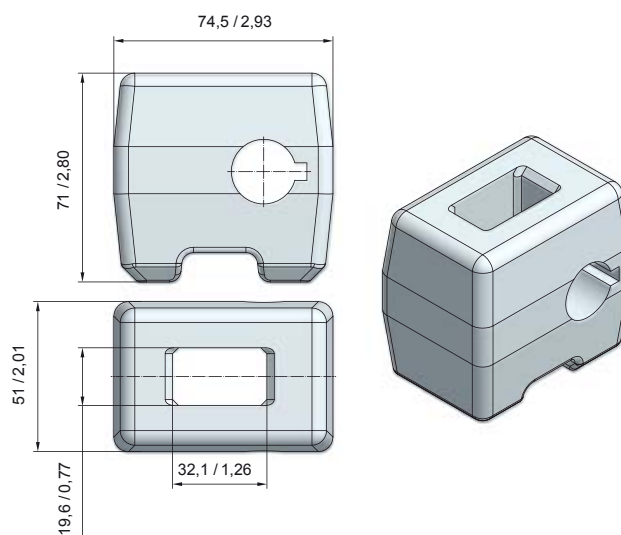
BF115x32x19/1

25


**BF42**

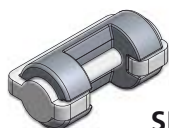
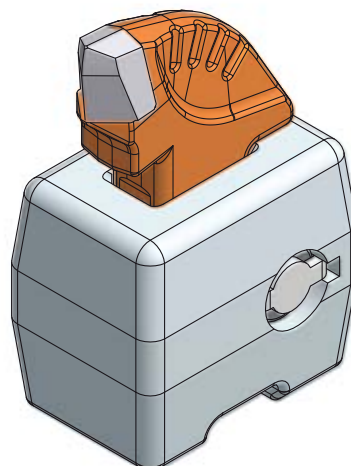
BF115x32x19/2

25


**BHF15**

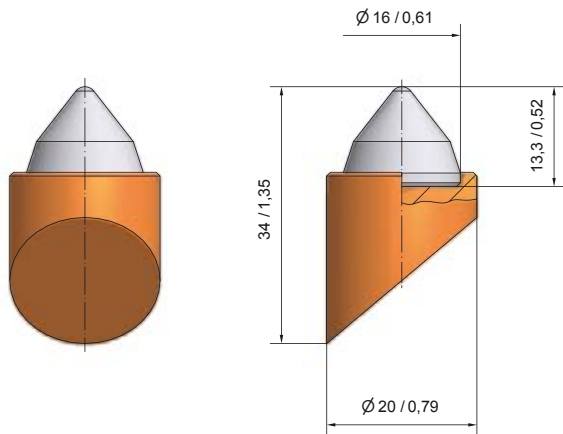
BHF32x20

10


**SI188**


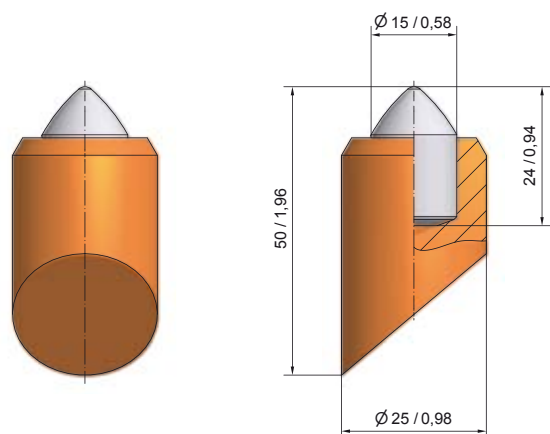


# HDD Horizontal Directional Drilling    Weld-on Teeth

**BFZ158**

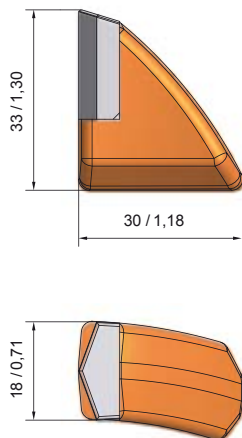
BFZ3

250

**BFZ207**

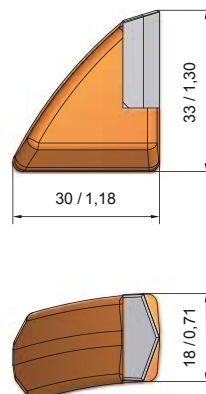
BFZ1

100

**BFZ107**

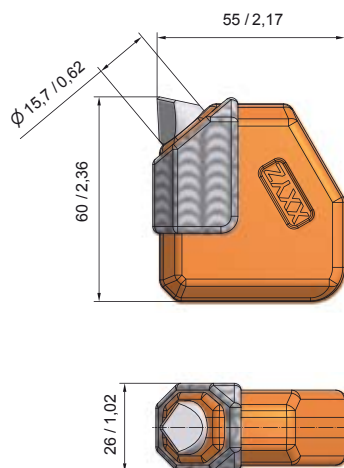
BFZ18/R

200

**BFZ144**

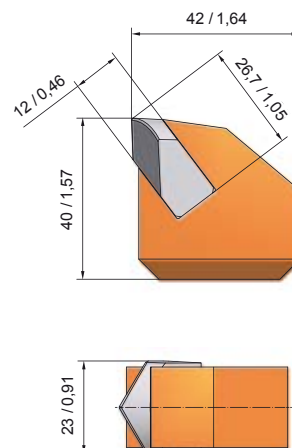
BFZ18/L

200

**BFZ257**

BFZ60x55x22

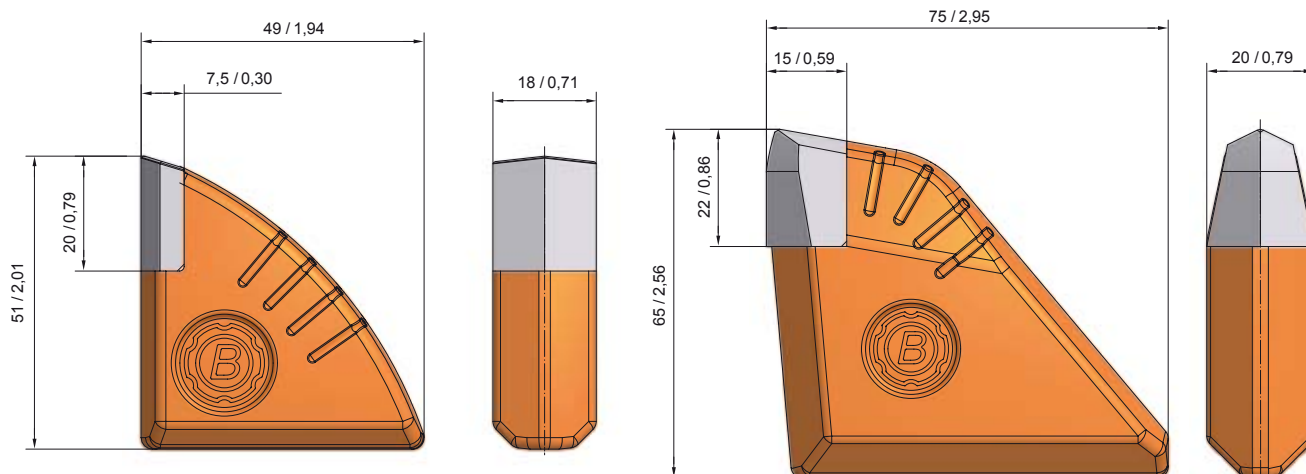
25

**BFZ260**

BFZ42x40x23

50

## HDD Horizontal Directional Drilling Weld-on Teeth

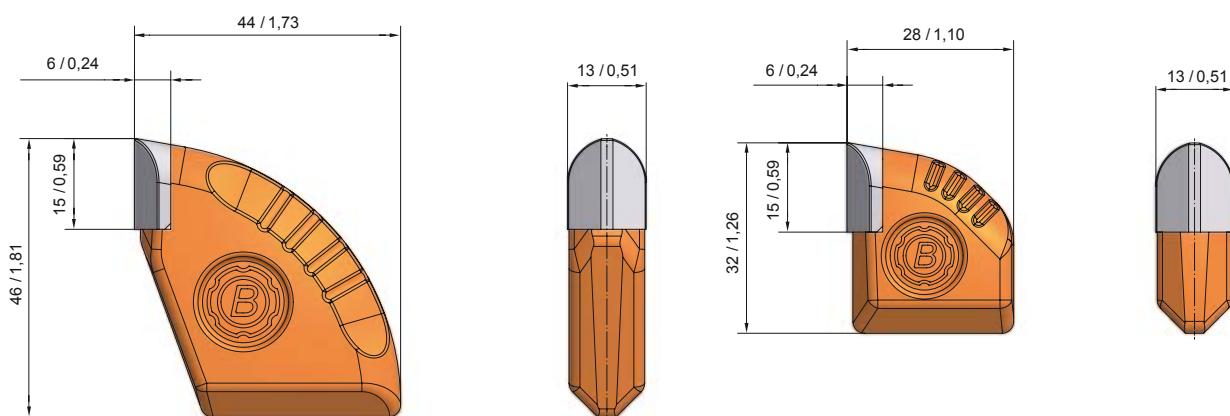


**BFZ87**  
BFZ18/2

50

**BFZ319**  
BFZ75x65x20

25

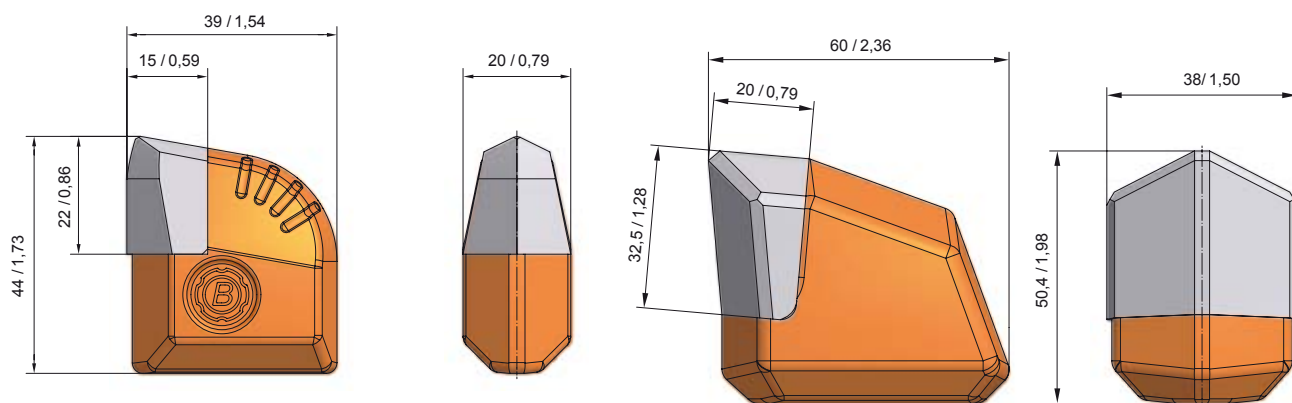


**BFZ318**  
BFZ46x44x13

100

**BFZ321**  
BFZ32x27x13

100



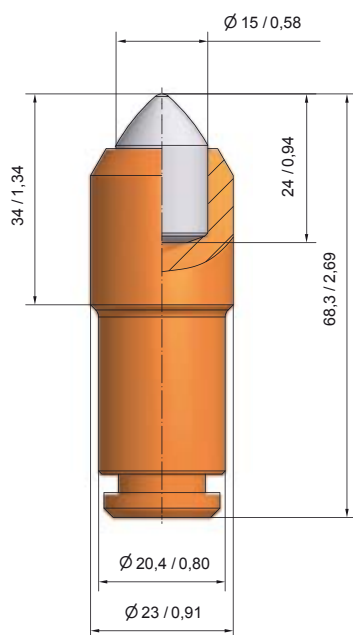
**BFZ320**  
BFZ44x39x22

50

**BFZ35M**  
BFZ38/M

25

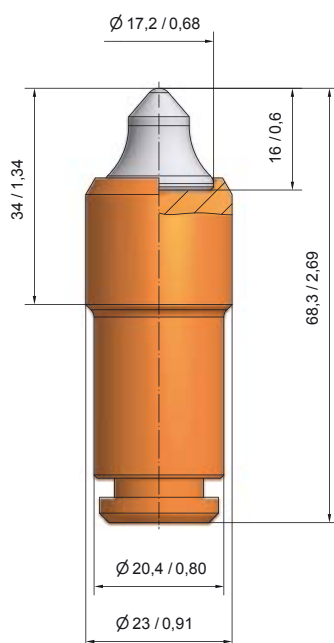
# HDD Horizontal Directional Drilling      Round shank cutter bit

**BSR187**

BG20X-15.2334



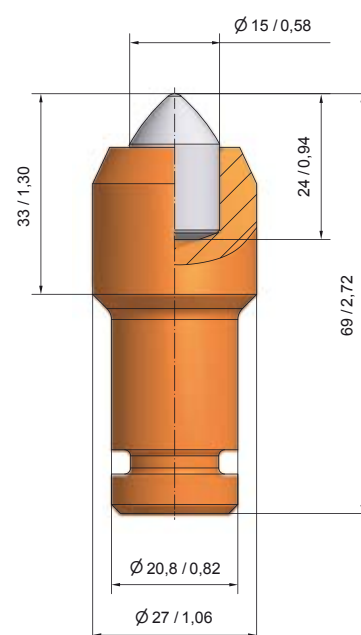
100

**BSR186**

BG20X-62.2334



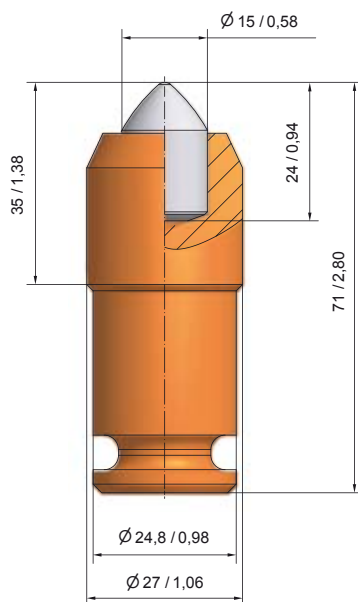
100

**BSR93**

BG21X-15.2733



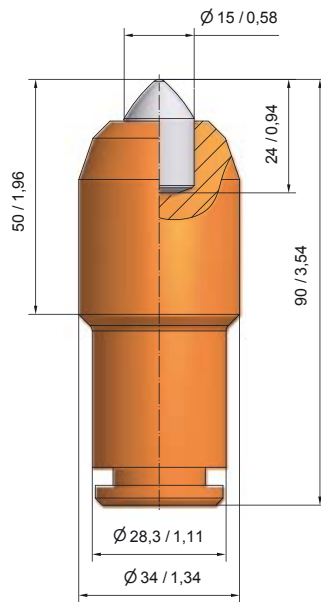
75

**BSR115**

BG25X-15.2735



75

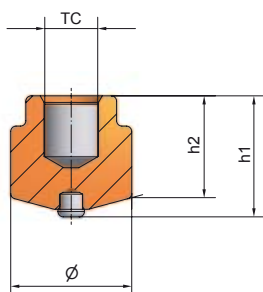
**BSR110**

BG28F-15.3450



25

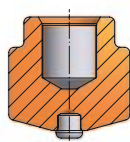
## Wear protection/TungStuds



h<sub>1</sub>: height before being welded on  
h<sub>2</sub>: height after being welded on

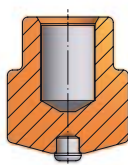
More info see:

[www.betek.de/en/productprogramme/tungstuds](http://www.betek.de/en/productprogramme/tungstuds)



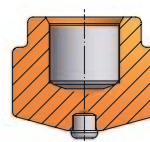
### BTS01

Ø: 16mm  
h<sub>1</sub>: 16mm  
h<sub>2</sub>: 11-12mm  
TC: Ø7x8,4mm



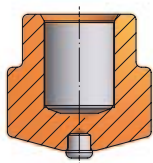
### BTS02

Ø: 16mm  
h<sub>1</sub>: 19mm  
h<sub>2</sub>: 14-15mm  
TC: Ø7x11,4mm



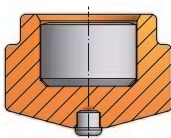
### BTS03

Ø: 19mm  
h<sub>1</sub>: 16mm  
h<sub>2</sub>: 10,5-11,5mm  
TC: Ø9x8,4mm



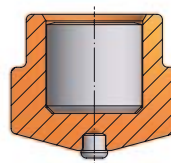
### BTS04

Ø: 19mm  
h<sub>1</sub>: 19mm  
h<sub>2</sub>: 13,5-14,5mm  
TC: Ø9x12mm



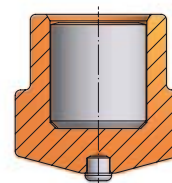
### BTS05

Ø: 22mm  
h<sub>1</sub>: 16mm  
h<sub>2</sub>: 10-11mm  
TC: Ø12,6x8,4mm



### BTS06

Ø: 22mm  
h<sub>1</sub>: 19mm  
h<sub>2</sub>: 13-14mm  
TC: Ø12,6x12mm



### BTS07

Ø: 22mm  
h<sub>1</sub>: 22mm  
h<sub>2</sub>: 16-17mm  
TC: Ø12,6x14mm





US

GB

**BETEK GmbH & Co. KG**

Sulgener Str. 21 - 23  
D-78733 Aichhalden  
Germany

Service hotline + 49 (0) 74 22 / 5 65-591  
Service fax line + 49 (0) 74 22 / 5 65-122

info@betek.de  
www.betek.de

Sales partner