

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)

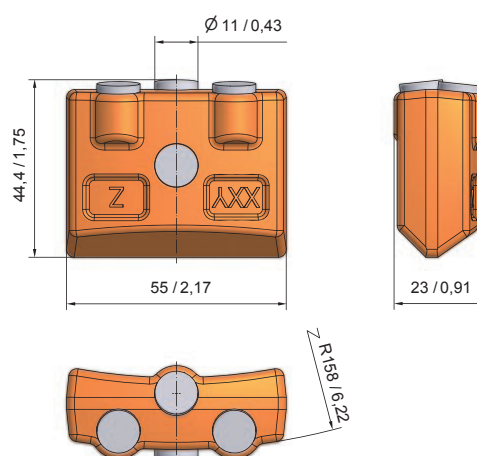
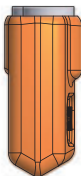
### **SUPPORT:**

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



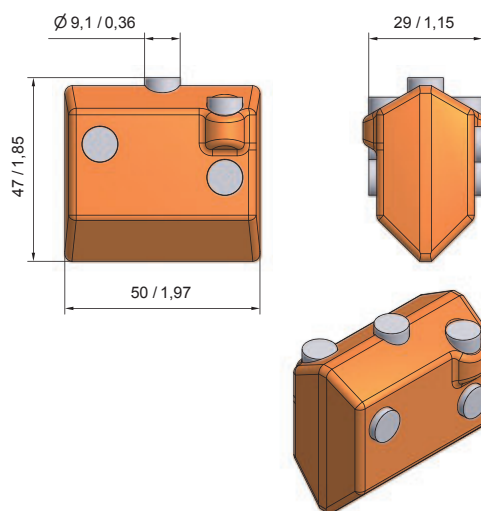


| Welding bars |     |
|--------------|-----|
| 1            | 1   |
| 2            | 2   |
| 3            | 3   |
| 4            | 4   |
| 5            | 5   |
| 6            | 6   |
| 7            | 7   |
| 8            | 8   |
| 9            | 9   |
| 10           | 10  |
| 11           | 11  |
| 12           | 12  |
| 13           | 13  |
| 14           | 14  |
| 15           | 15  |
| 16           | 16  |
| 17           | 17  |
| 18           | 18  |
| 19           | 19  |
| 20           | 20  |
| 21           | 21  |
| 22           | 22  |
| 23           | 23  |
| 24           | 24  |
| 25           | 25  |
| 26           | 26  |
| 27           | 27  |
| 28           | 28  |
| 29           | 29  |
| 30           | 30  |
| 31           | 31  |
| 32           | 32  |
| 33           | 33  |
| 34           | 34  |
| 35           | 35  |
| 36           | 36  |
| 37           | 37  |
| 38           | 38  |
| 39           | 39  |
| 40           | 40  |
| 41           | 41  |
| 42           | 42  |
| 43           | 43  |
| 44           | 44  |
| 45           | 45  |
| 46           | 46  |
| 47           | 47  |
| 48           | 48  |
| 49           | 49  |
| 50           | 50  |
| 51           | 51  |
| 52           | 52  |
| 53           | 53  |
| 54           | 54  |
| 55           | 55  |
| 56           | 56  |
| 57           | 57  |
| 58           | 58  |
| 59           | 59  |
| 60           | 60  |
| 61           | 61  |
| 62           | 62  |
| 63           | 63  |
| 64           | 64  |
| 65           | 65  |
| 66           | 66  |
| 67           | 67  |
| 68           | 68  |
| 69           | 69  |
| 70           | 70  |
| 71           | 71  |
| 72           | 72  |
| 73           | 73  |
| 74           | 74  |
| 75           | 75  |
| 76           | 76  |
| 77           | 77  |
| 78           | 78  |
| 79           | 79  |
| 80           | 80  |
| 81           | 81  |
| 82           | 82  |
| 83           | 83  |
| 84           | 84  |
| 85           | 85  |
| 86           | 86  |
| 87           | 87  |
| 88           | 88  |
| 89           | 89  |
| 90           | 90  |
| 91           | 91  |
| 92           | 92  |
| 93           | 93  |
| 94           | 94  |
| 95           | 95  |
| 96           | 96  |
| 97           | 97  |
| 98           | 98  |
| 99           | 99  |
| 100          | 100 |



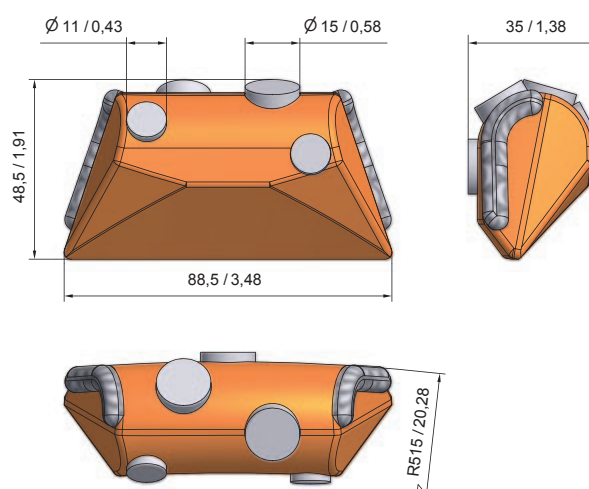
50

50



50

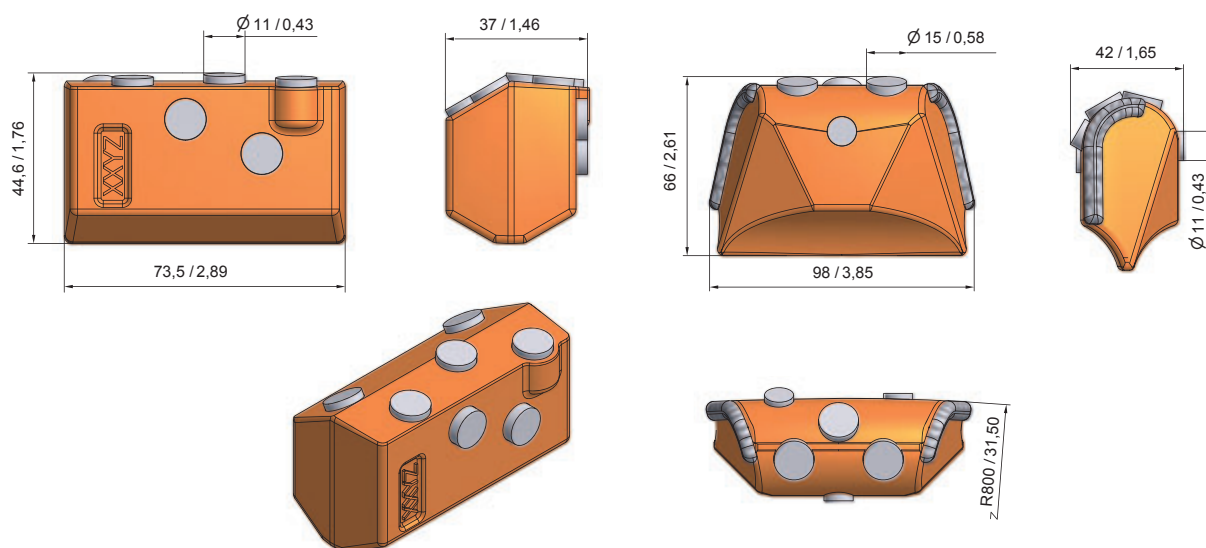
30



20

25

## Welding bars



BA04

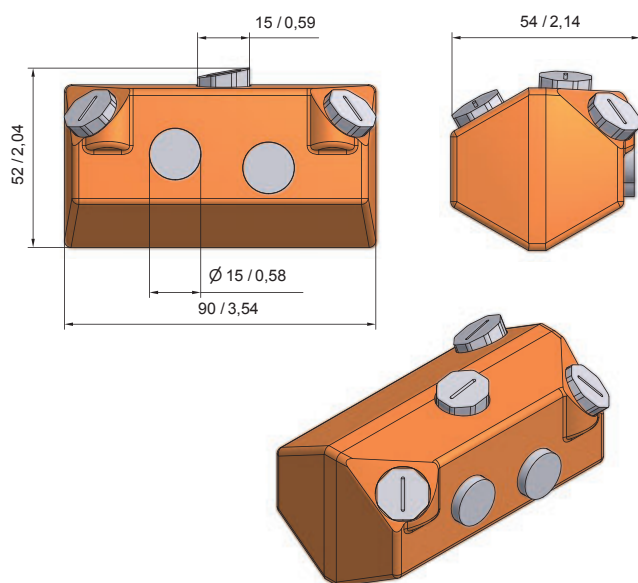
BA70-38

20

BA24

BA90-42

15



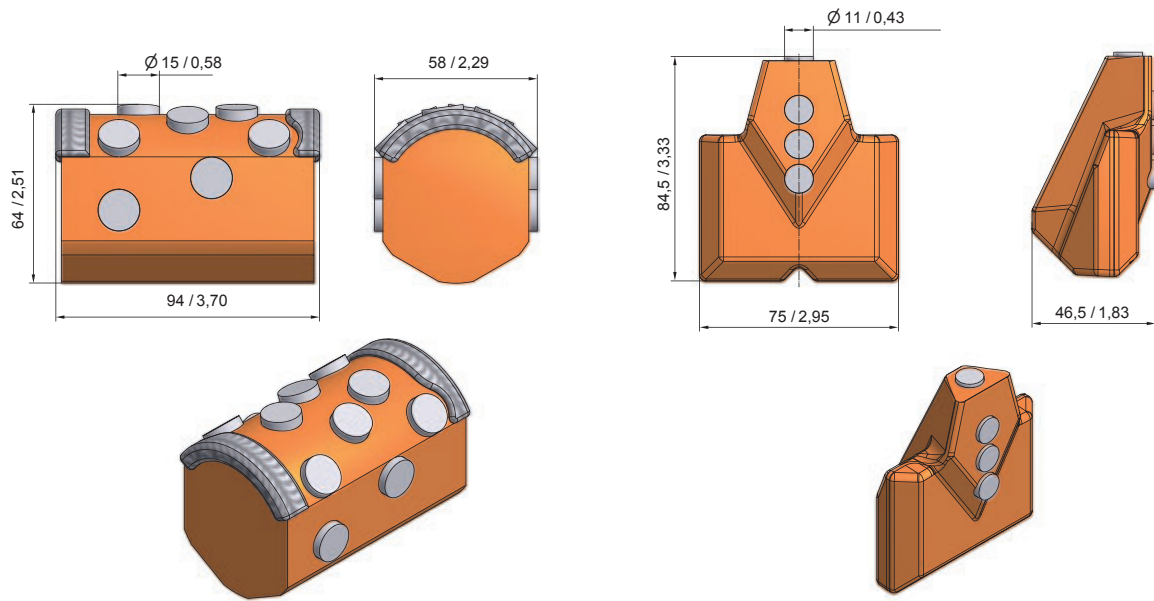
BA19

BA90-54

10



## Welding bars



**BA28**

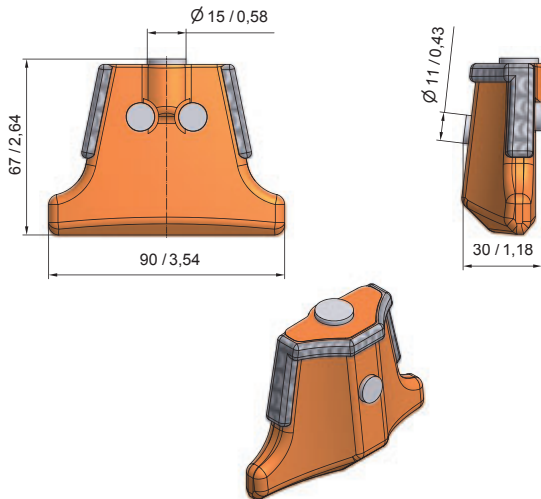
BA90-58/3

8

**BFZ26**

BFZ83x75x45/1

15



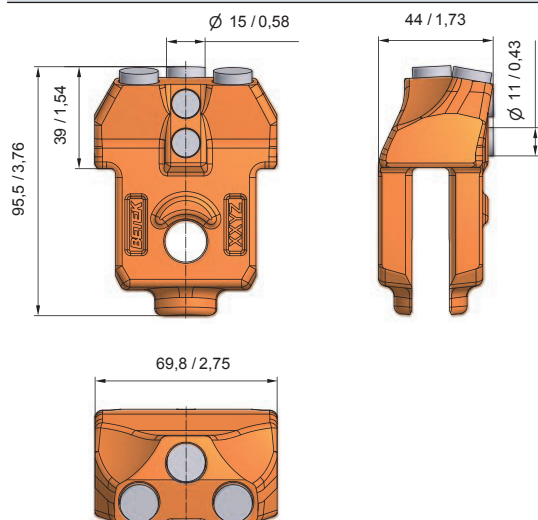
**BFZ72 / B**

BFZ65x90x30

25

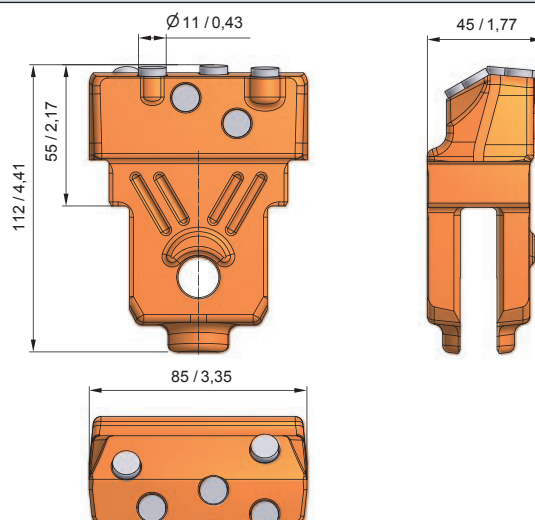


# Quick change bars 40mm / 1,58" casing wall thickness

**BA47**

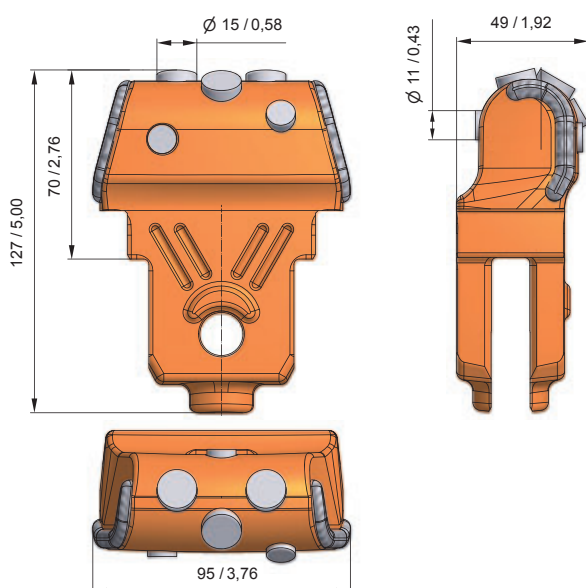
BA105x70x40

10

**BA50**

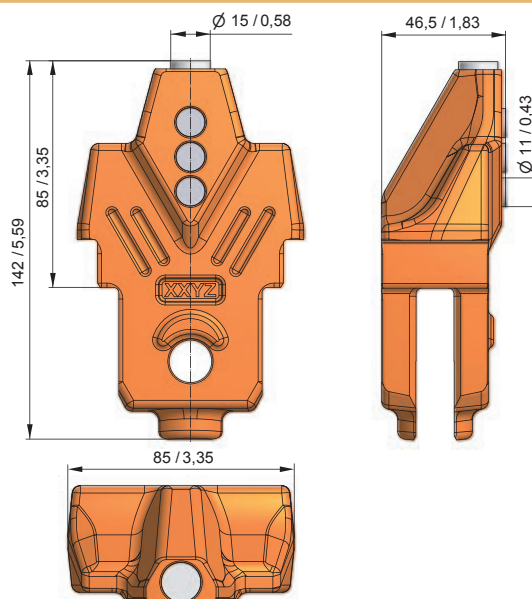
BA112x85x40

10

**BA51**

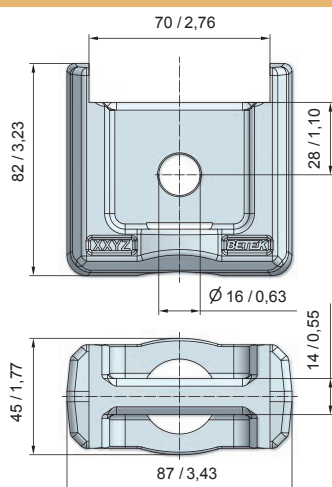
BA 127x90x40

5

**BA52**

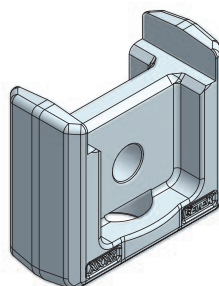
BA 142x85x40

5

**BHA04**

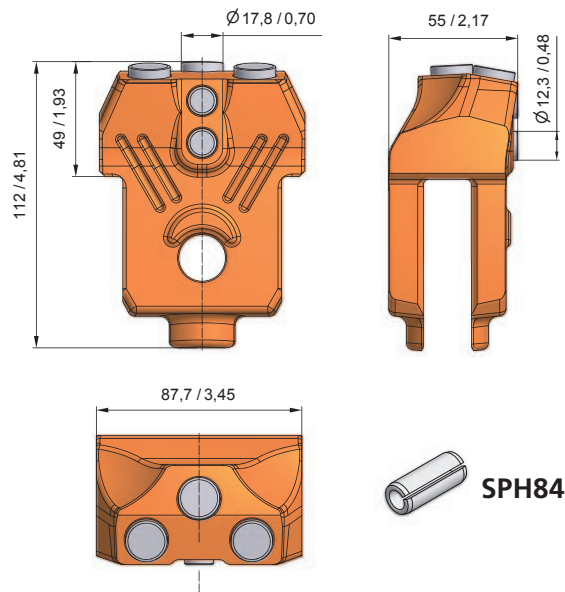
BHA87x82x38

10

**SPH73**



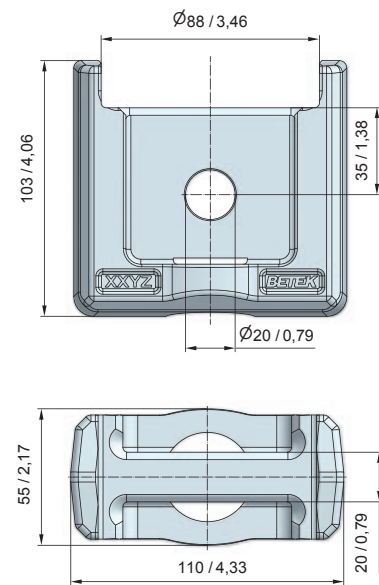
## Quick change bars 50mm/1,97" casing wall thickness



**BA53**

BA122x88x50

5



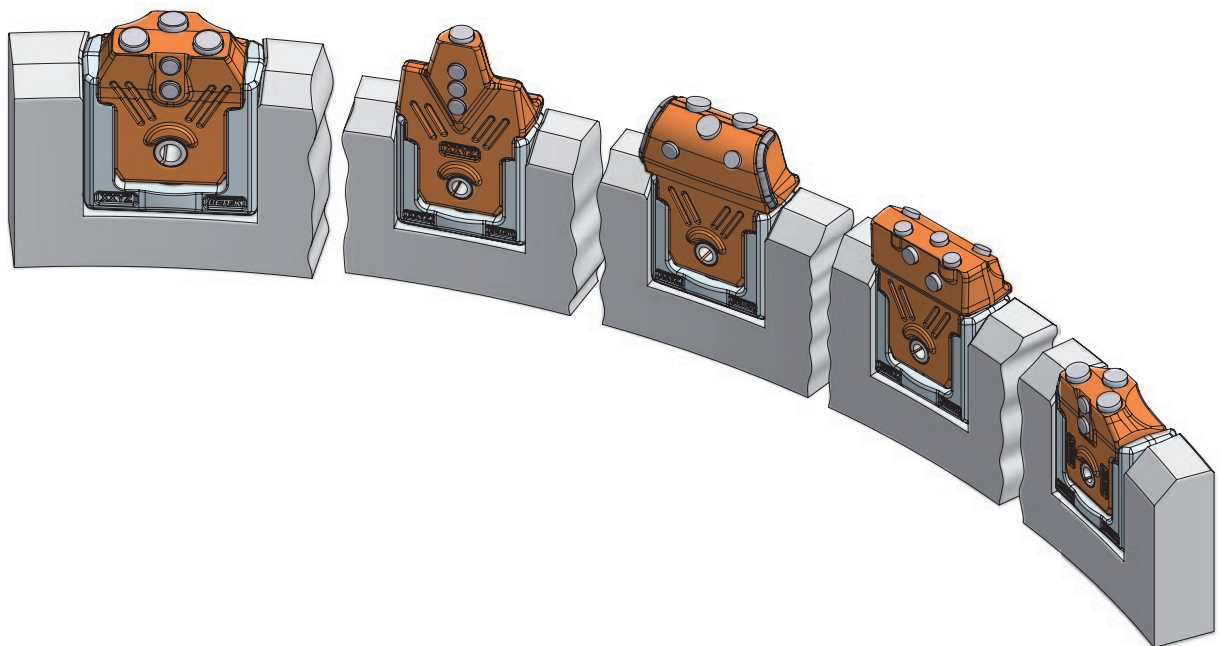
**BHA05**

BHA110x103x50

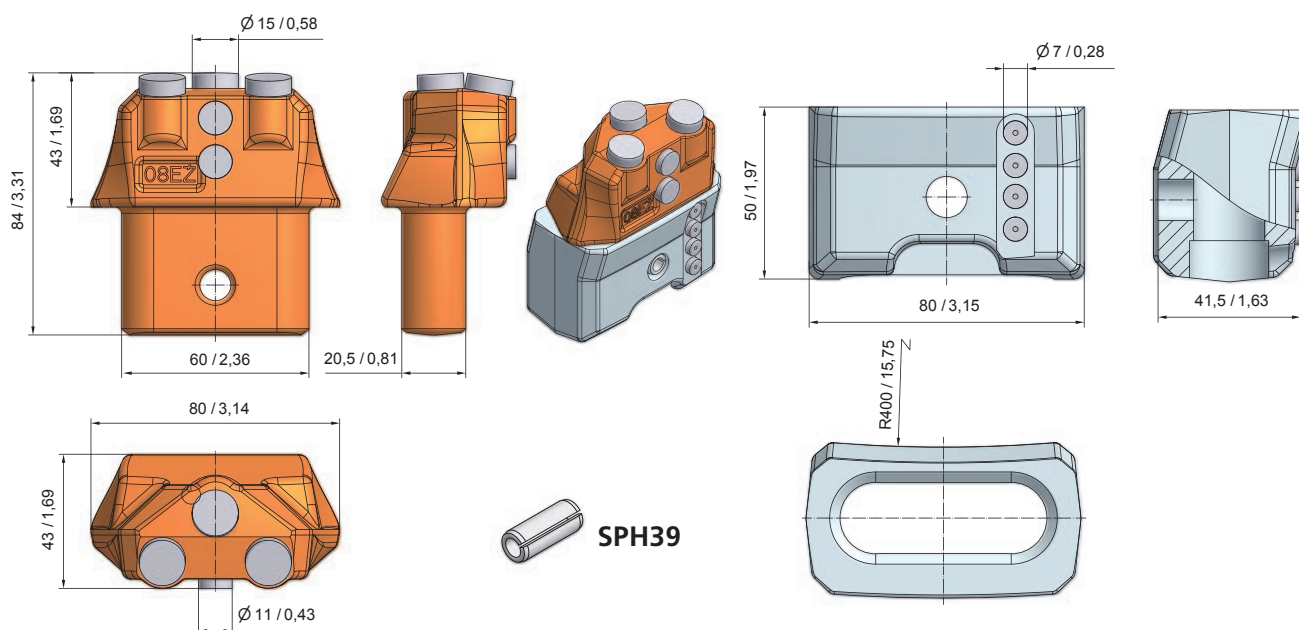
5

### Quick change bars

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



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



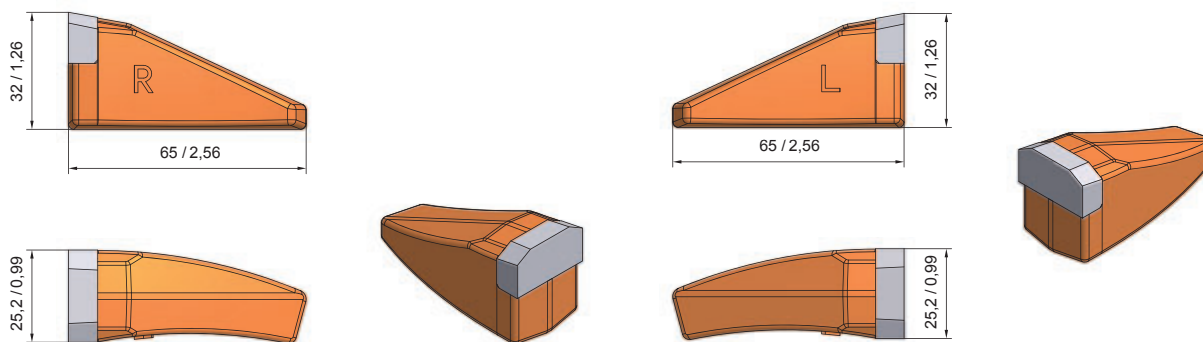
**BA46**  
BA80-31

15

**BHA02**  
BHA60/2

20

## Weld-on teeth

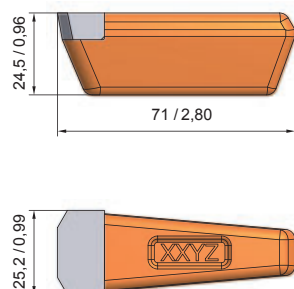


**BFZ25R**  
BFZ25-R

50

**BFZ25L**  
BFZ25-L

50

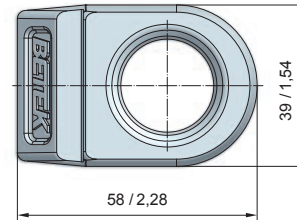
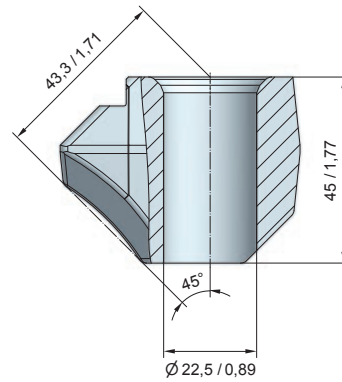
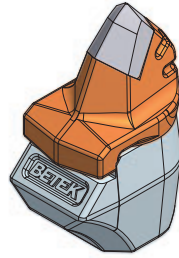
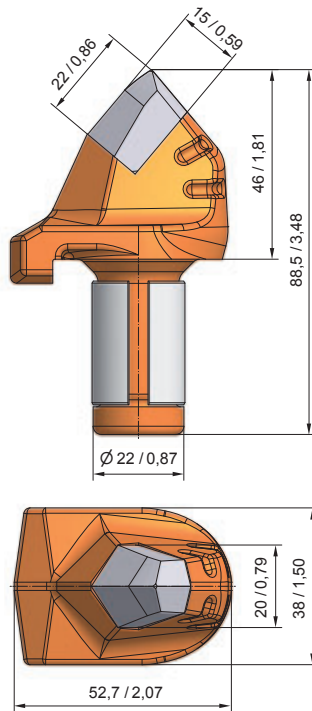
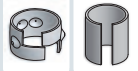


**BFZ96**  
BFZ71x25

50



## Dragon Tooth



**BFR07**

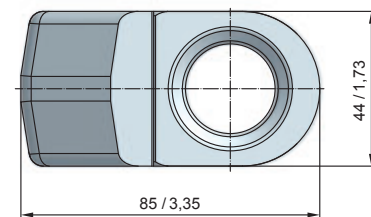
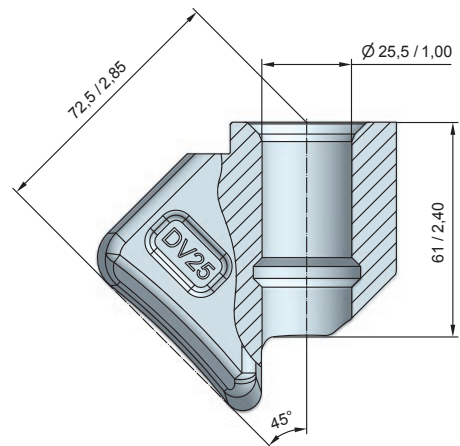
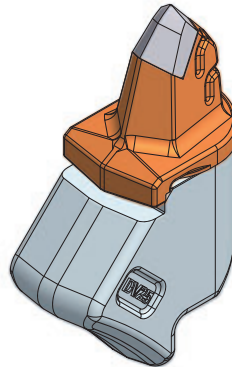
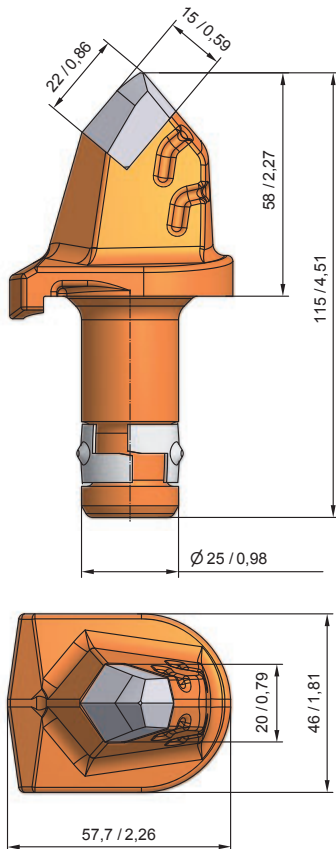
BFR 46-22

40

**BHR133**

B10/22-F

40



**BFR08**

BFR58-25

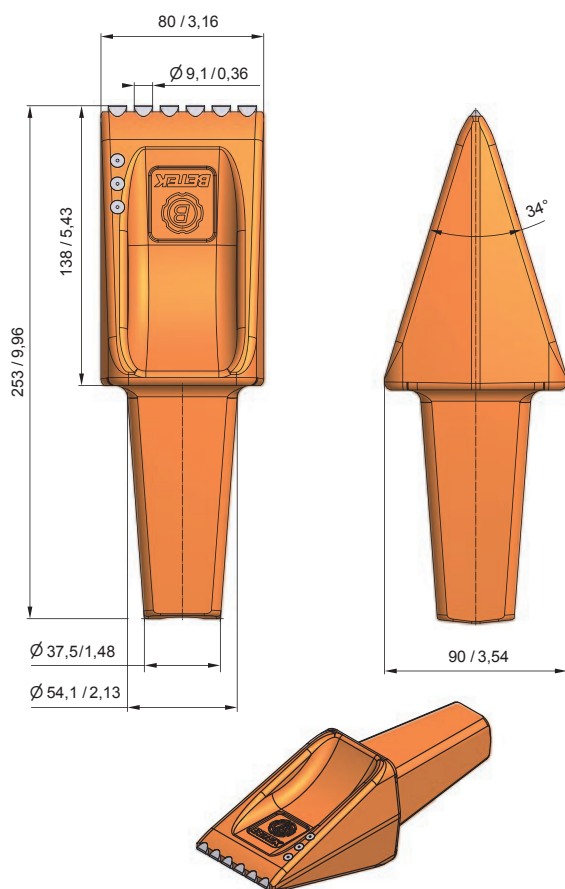
25

**BHR184**

DV25-F

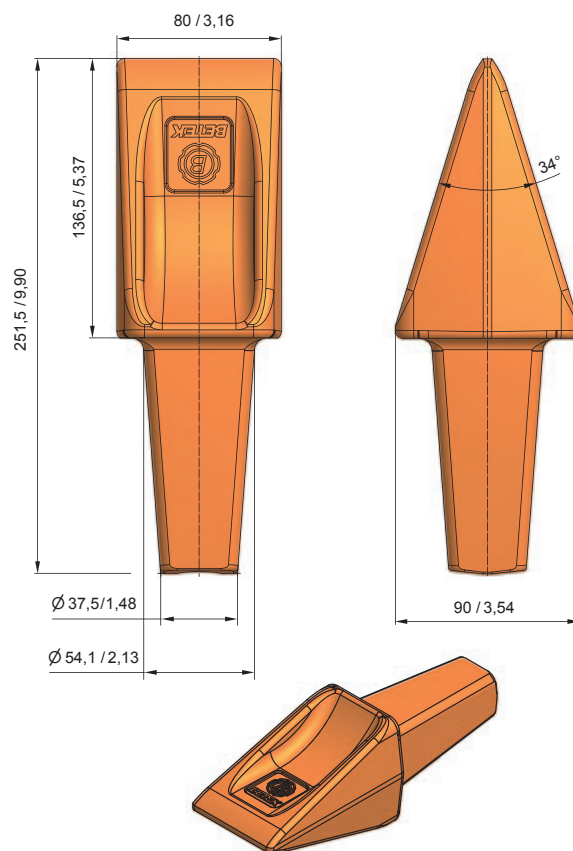
15

## Flat teeth



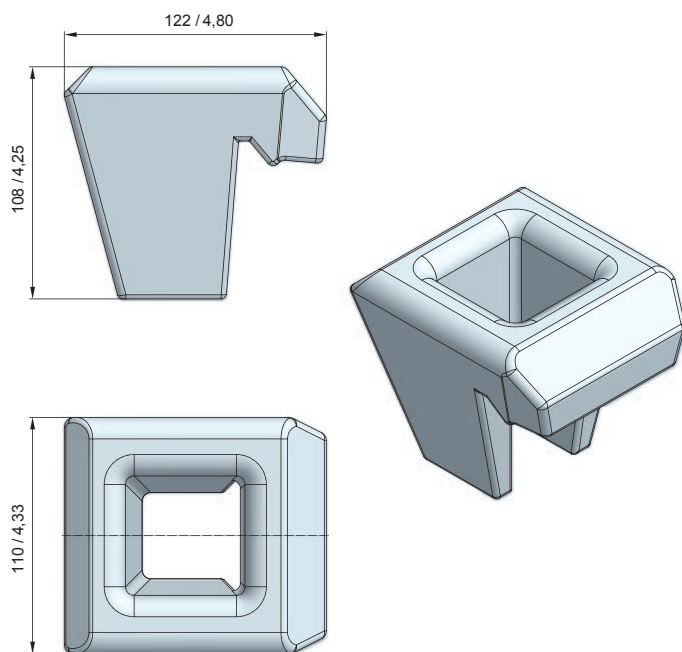
**BFZ317**  
BFZ80-B

2



**BFZ79**  
BFZ80 OHM

2

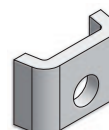


**BHR73**  
BHZ80/2

3

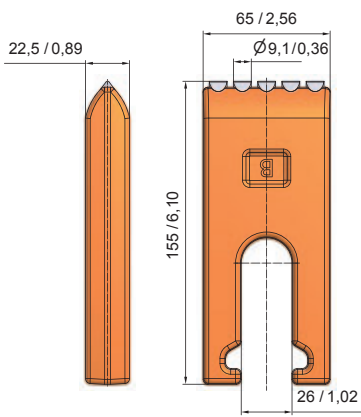


**SI102**

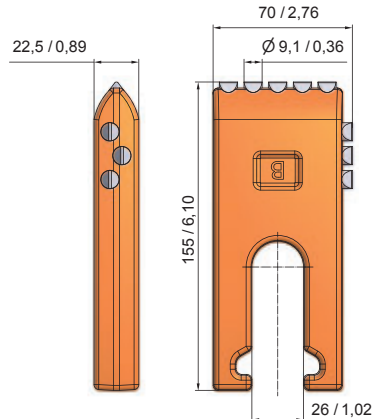


**SI103**

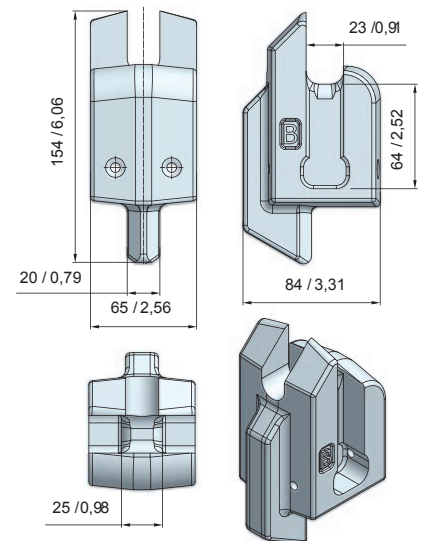
## Flat teeth



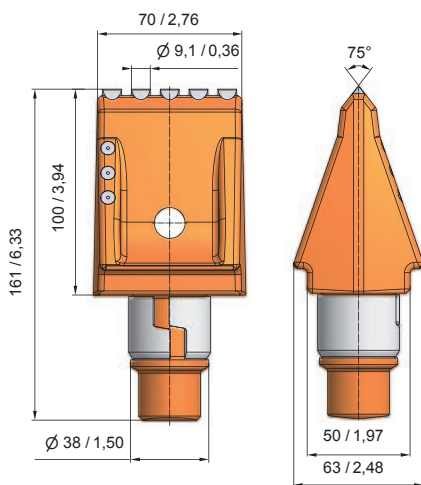
**BFZ65HM**  
BFZ65/2



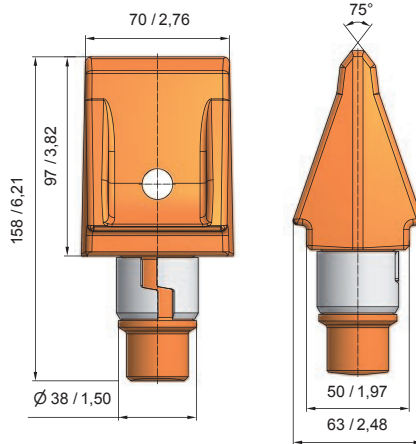
**BFZ02**  
BFZ65/3



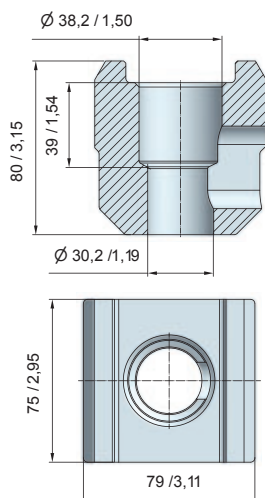
**BHF02**  
B65-22



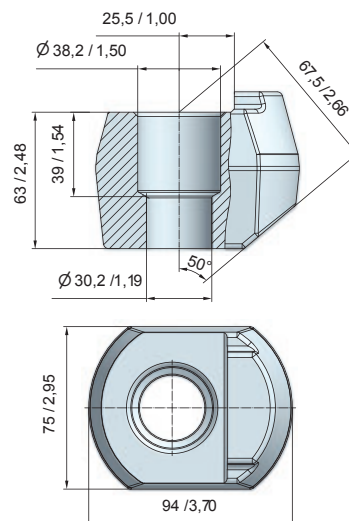
**BFZ162**  
BFZ100x70/2



**BFZ69**  
BFZ100x70



**BHR112**  
B75

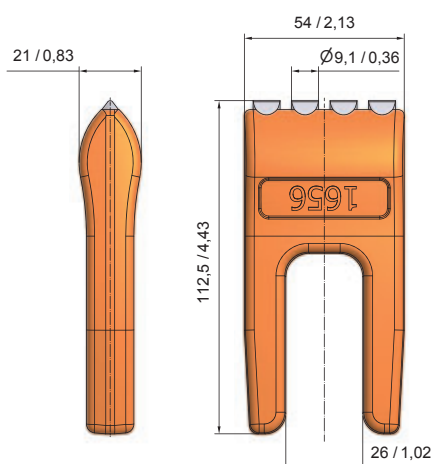


**BHR39**  
B48



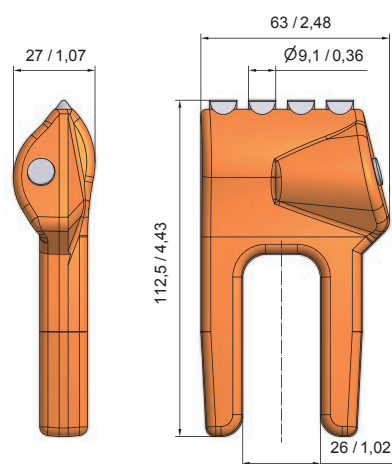


## Flat teeth



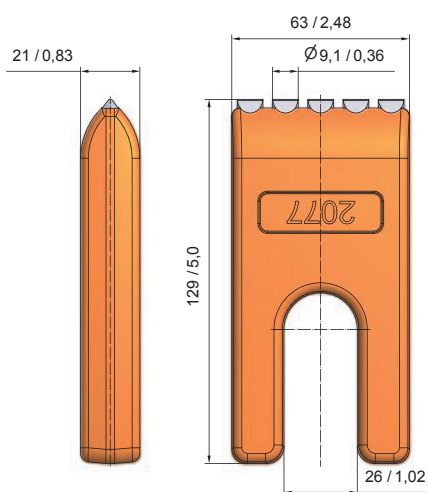
**BFZ05N**  
BFZ1656N

25



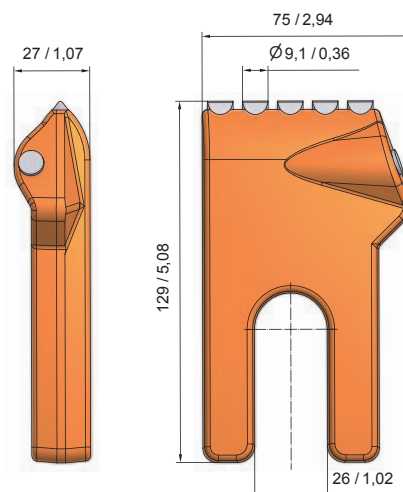
**BFZ198N**  
BFZ1658N

20



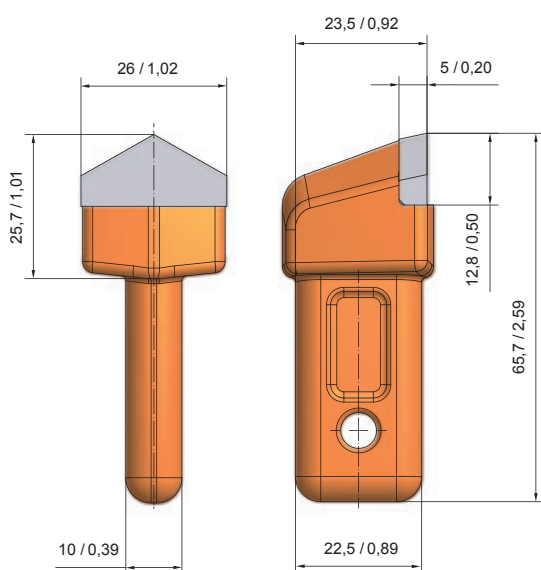
**BFZ200N**  
BFZ2077N

15



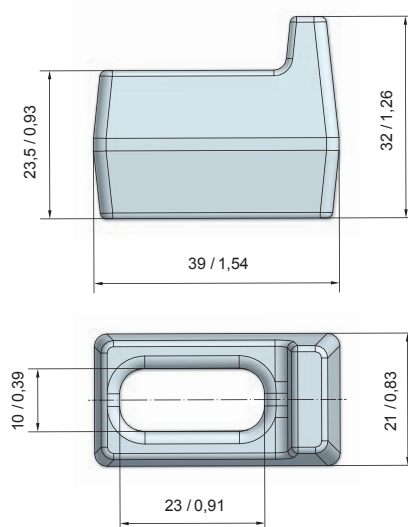
**BFZ218**  
BFZ2078

15



**BFZ272**  
BFZ67x30x26

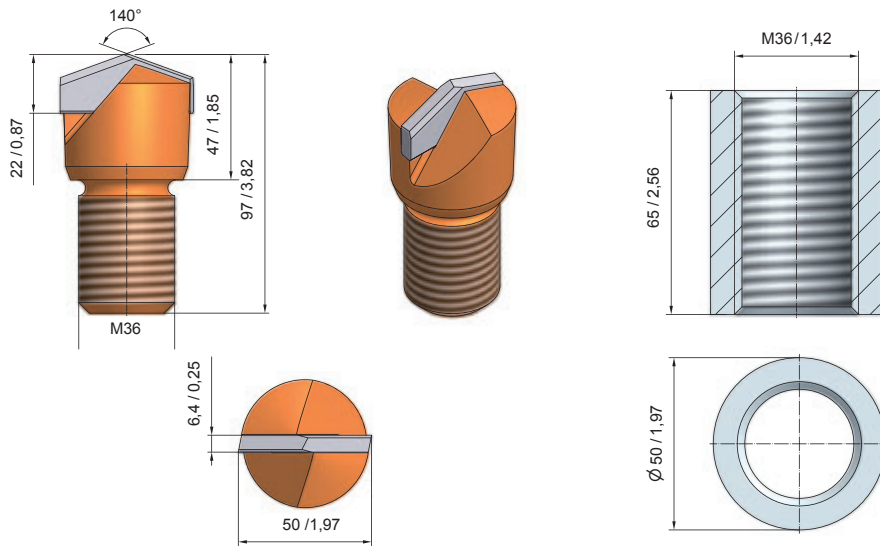
100



**BHZ24**  
BHZ39x32x21

100

## Pilots


**BP04**

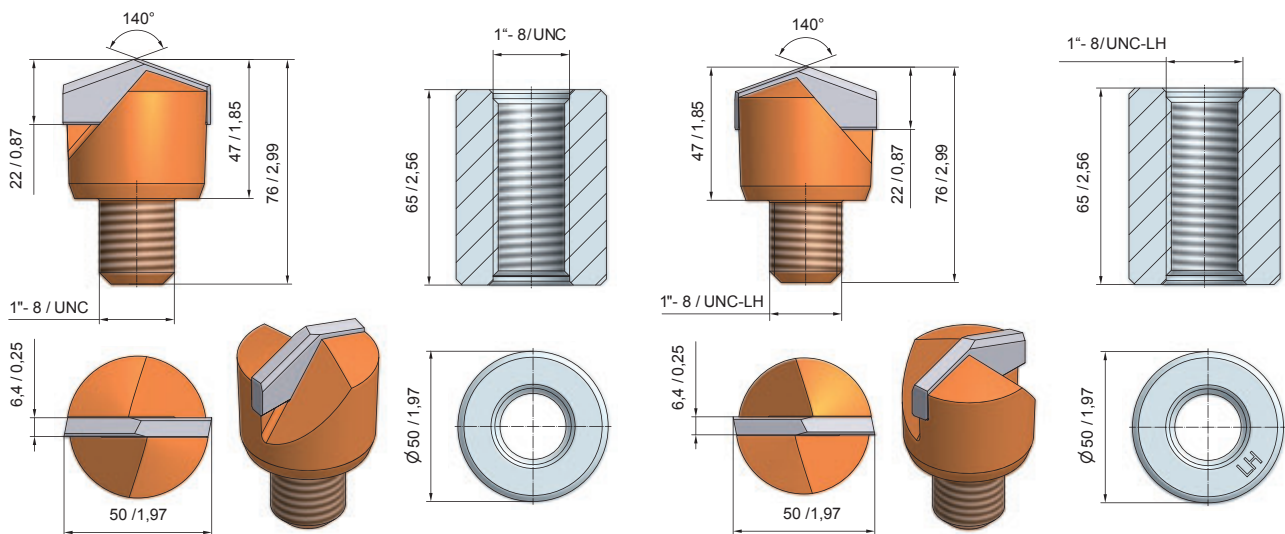
BP51 / M36-HD3

20

**BPH01**

GH-M36

10


**BP01**

BP51 / 1" -HD3

20

**BPH02**

GH-1"

10

**BP10**

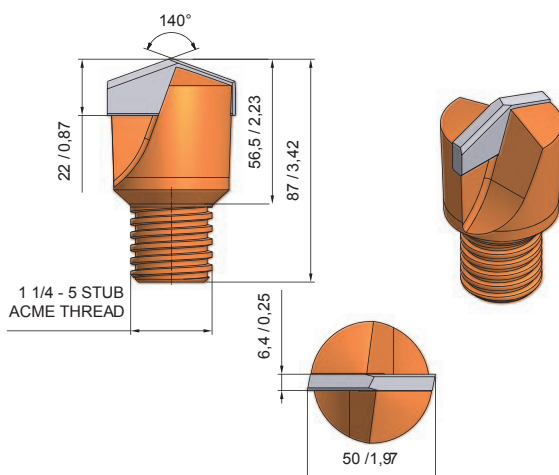
BP51 / 1" -HD3 / LH

20

**BPH03**

GH-1" LH

10

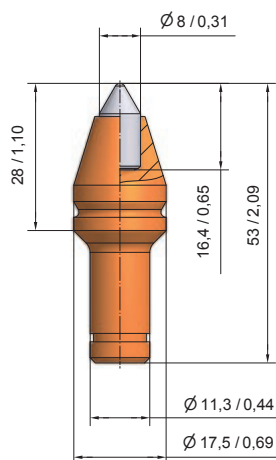

**BP51**

BP51x87

20

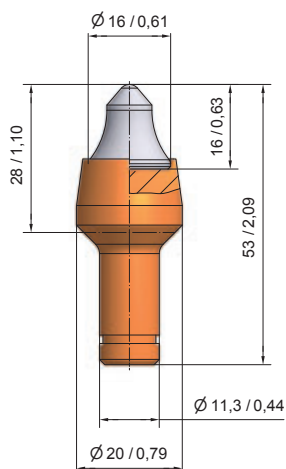


## Shank system Ø 11,3mm/0,44"

**BM11**

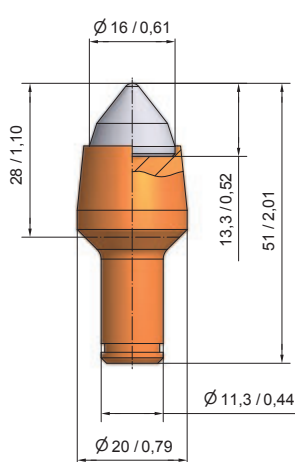
BM 8-11.3

200

**BM10**

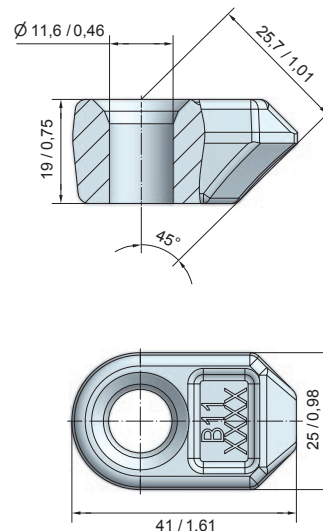
BM 4-11.3

200

**BM46**

BM 3-11.3

200

**BHR03**

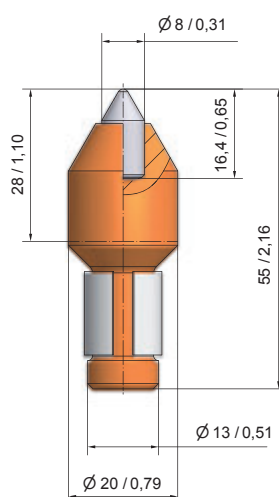
B 11

200



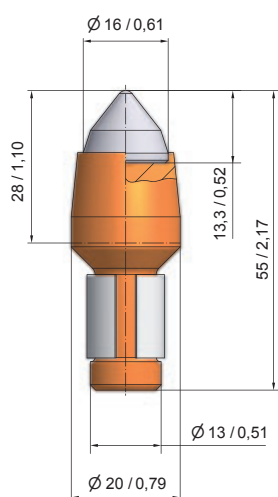
SR54

## Shank system Ø 13mm/0,52"

**BM34**

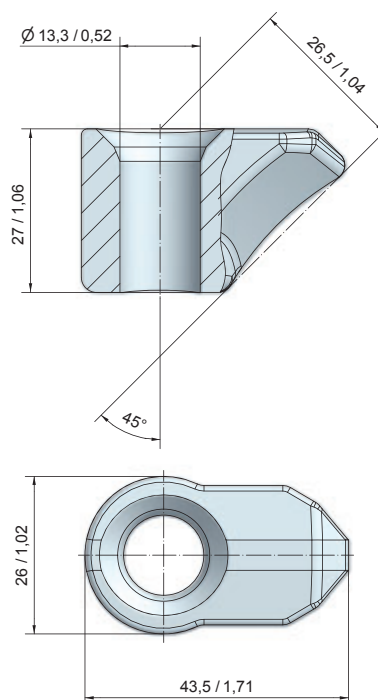
BM 8-13/H

200

**BM62**

BM3-13/H

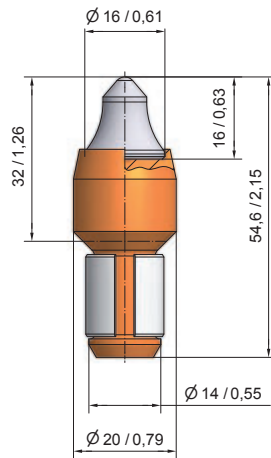
200

**BHR47**

B13

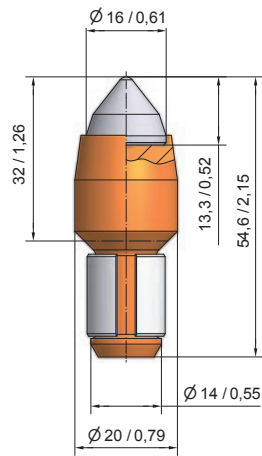
200

## Shank system Ø 14mm/0,55"


**BM55**

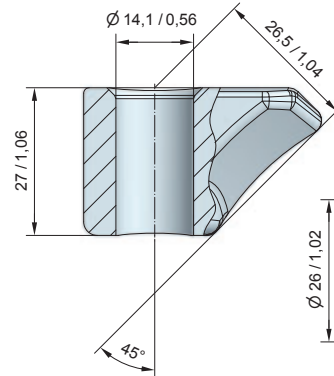
BM 4-14/2

200


**BM60**

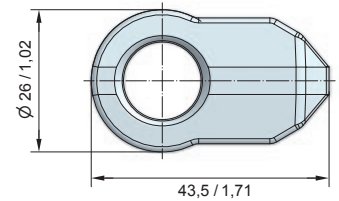
BM 3-14/H

200

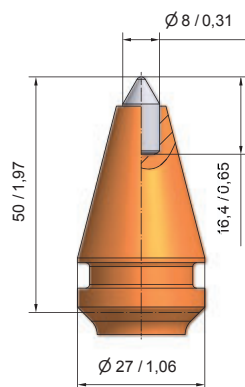

**BHR109**

B14

150

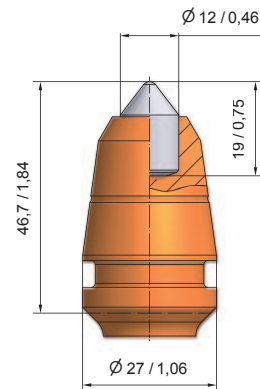


## Shank system Ø 18,7mm/0,74"


**BTR08**

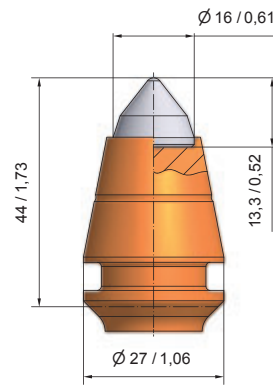
B43 K8S

75


**BTR02**

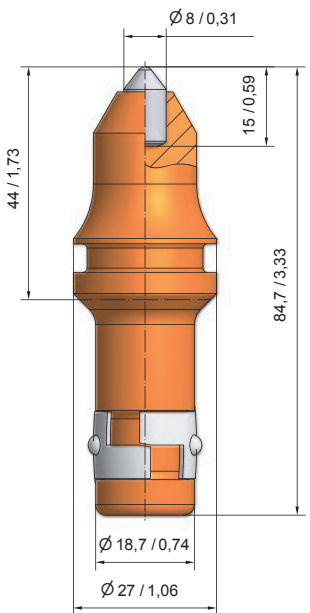
B43 HD K12

50


**BTR03**

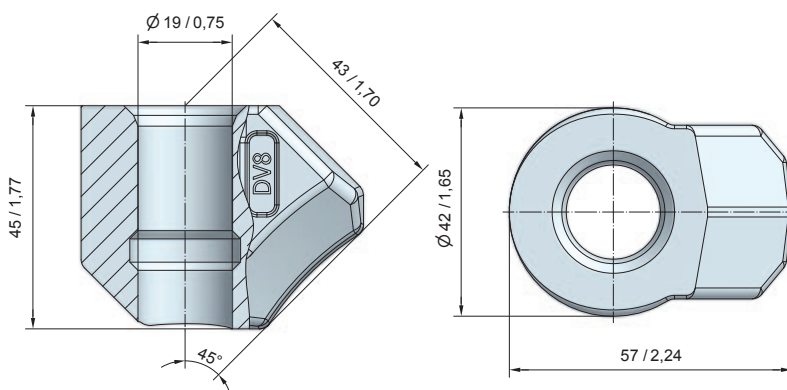
B43/3

50


**BTR01**

B43K8

50

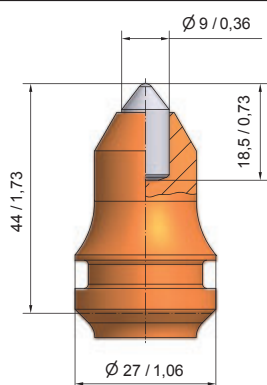

**BHR20**

DV 8

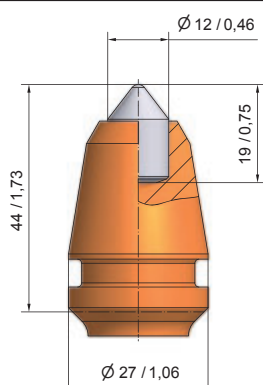
40



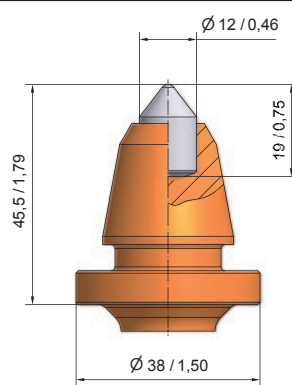
## Shank system Ø 19,4mm/0,76"


**BSK15**  
B1K9-K

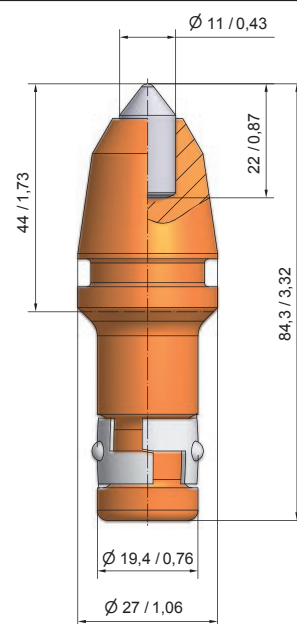
50


**BSK17**  
B1HDK12-K

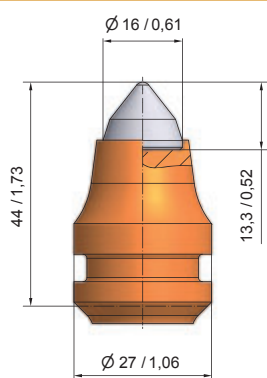
50


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

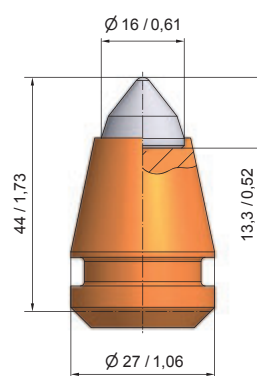
50


**BSK16**  
B1HDK11-K

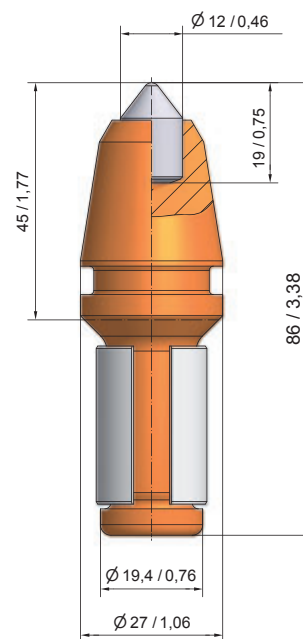
50


**BSK12**  
B3-K

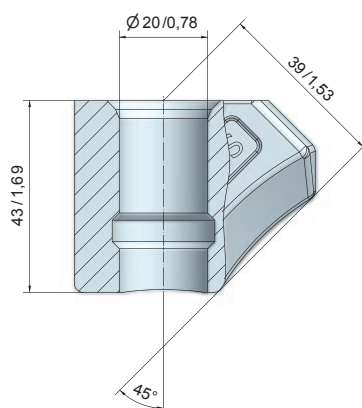
50


**BSH09**  
B3

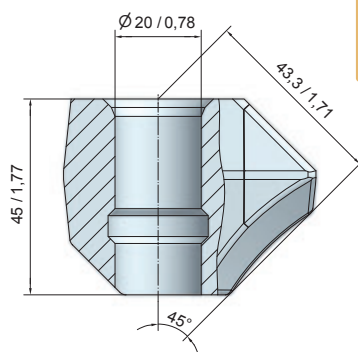
50


**BSH05**  
B1HDK12

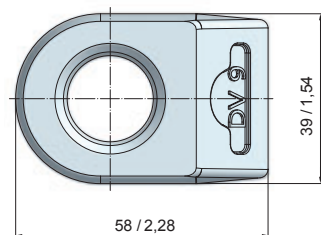
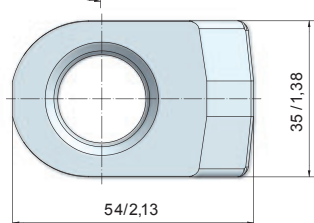
50


**BHR164**  
DV9-S

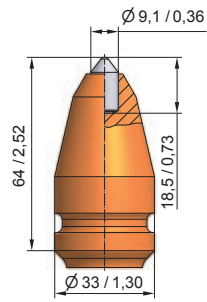
50


**BHR07**  
DV 9

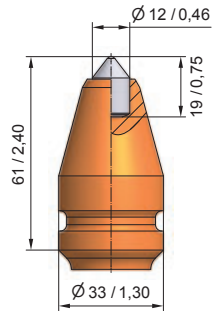
40



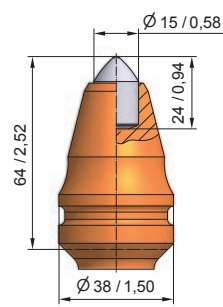
## Shank system Ø 25mm / 1"


**BTK01**

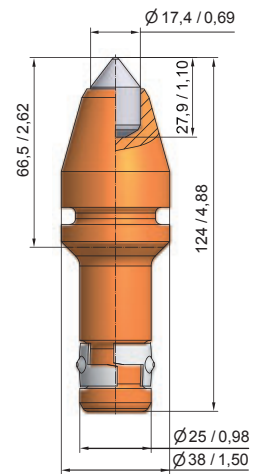
B40 K9


**BTK03**

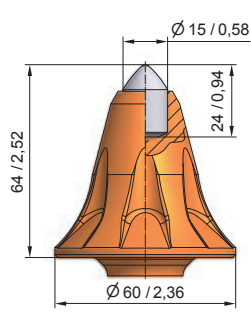
B40 HD K12


**BTK10**

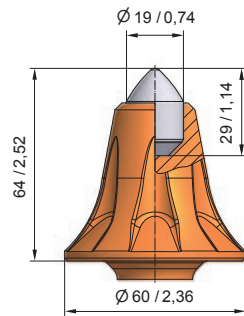
B40 HDS


**BTK70**

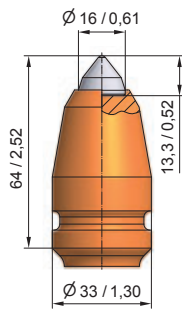
B40K17.5


**BTK81**

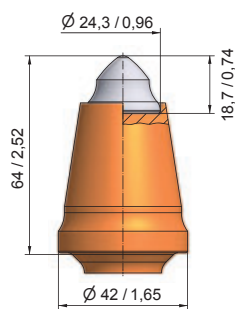
B40 HDS/60


**BTK89**

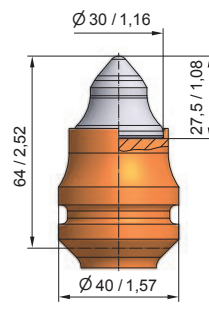
BG25K-19.6064


**BTK16**

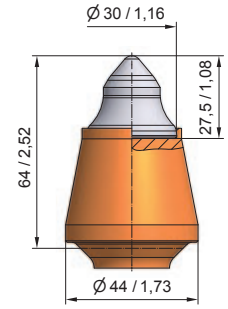
B40/3


**BTK87**

B40/9


**BTK23**

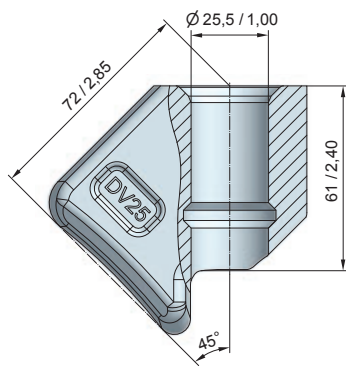
B40 HBL


**BTK26**

B40-J1-HBL



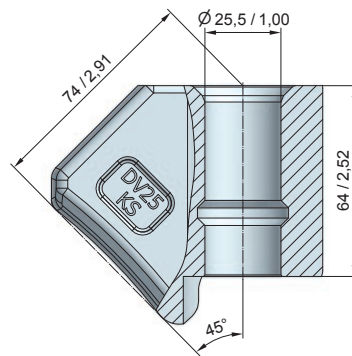
## Shank system Ø 25mm / 1"



**BHR31**  
DV 25



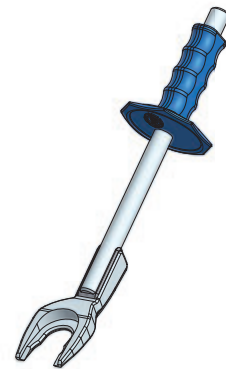
15



**BHR121**  
DV 25 KS



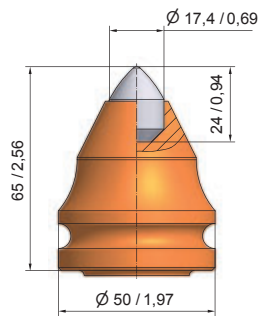
10



**BZ22**  
Bit puller

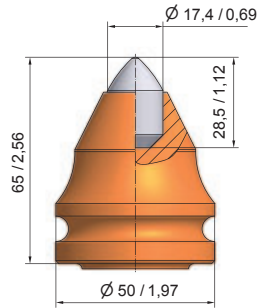


# Shank system Ø 38/30mm - 1,5/1,18"



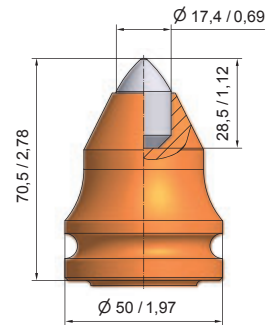
**BKH140**

B47K17.5-H/2



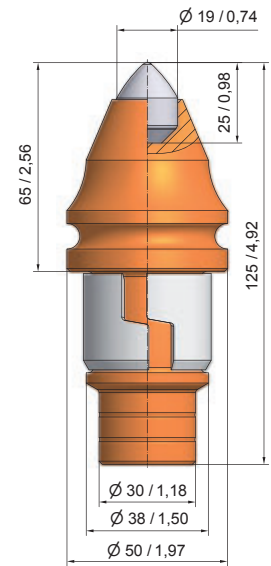
**BKH28**

B47K17.5-H



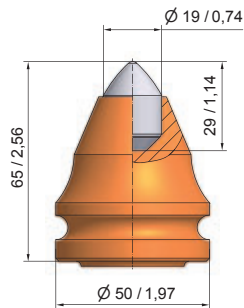
**BKH80**

B47K17.5LK70-H



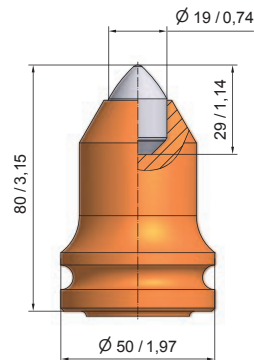
**BKH83**

B47K19-H/2



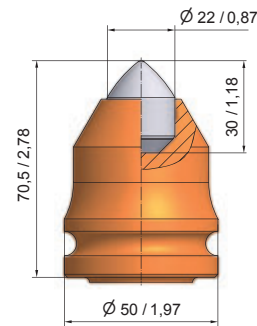
**BKH40**

B47K9-H



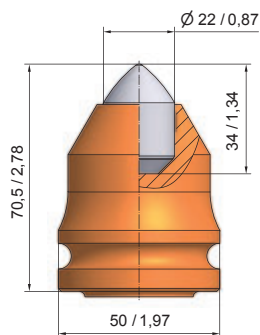
**BKH41**

B47K19LK80-H



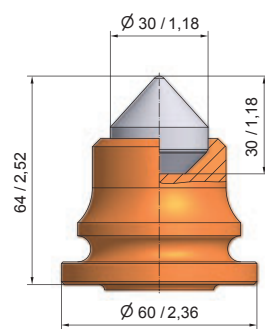
**BKH85**

B47K22-H/2



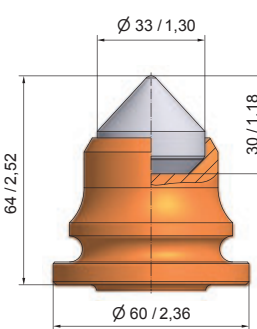
**BKH47**

B47K22-H



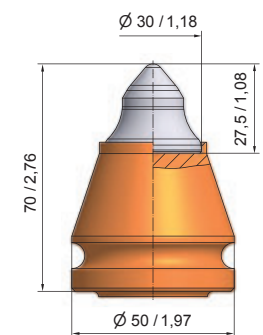
**BKH81**

B47K30/60-H



**BKH84**

B47K33/60-H



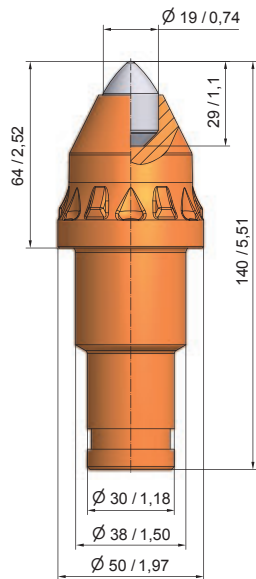
**BKH73**

B47K30LK70-H



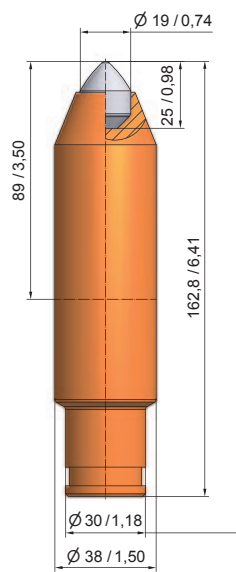


## Shank system Ø 38/30mm - 1,5/1,18"

**BKS154**

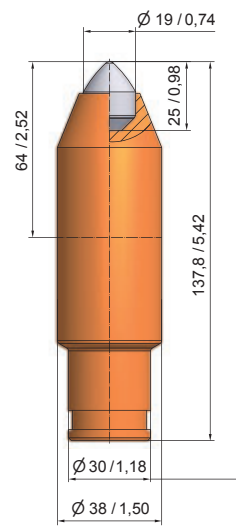
10

BS38W-19.5064

**BKS186**

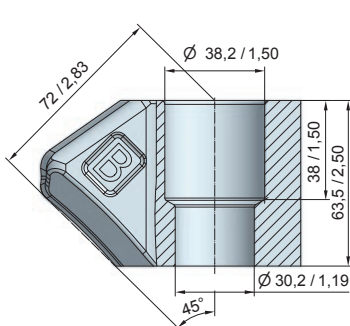
15

BS38W-19.3889

**BKS187**

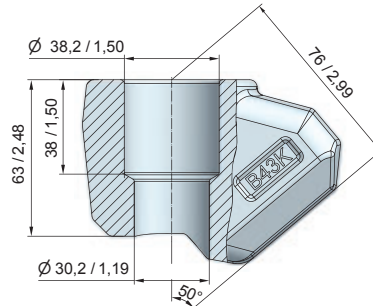
15

BS38W-19.3864

**SR83****BHR38**

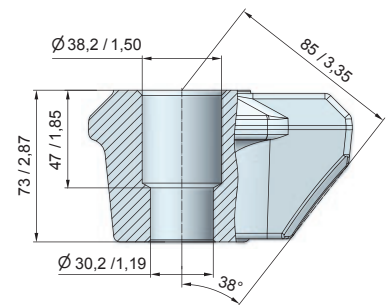
10

B43H

**BHR113**

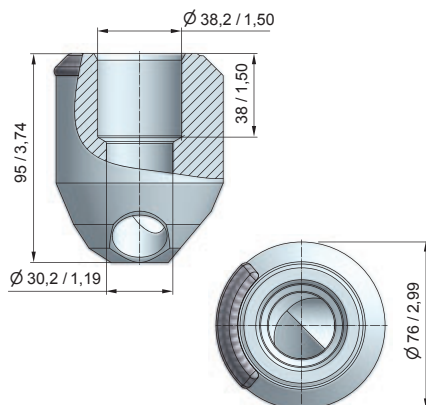
6

B43K

**BHR77**

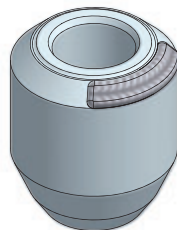
5

B320

**BHR163**

6

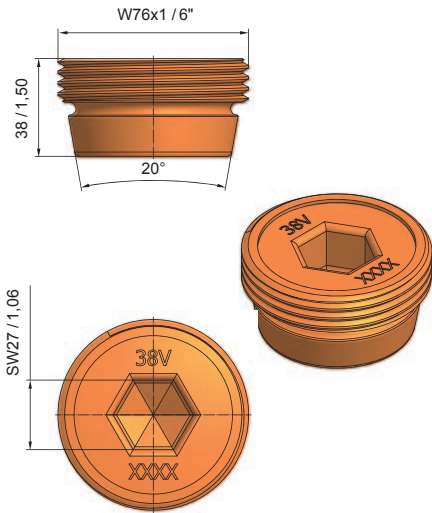
B76/P

**BZ12**

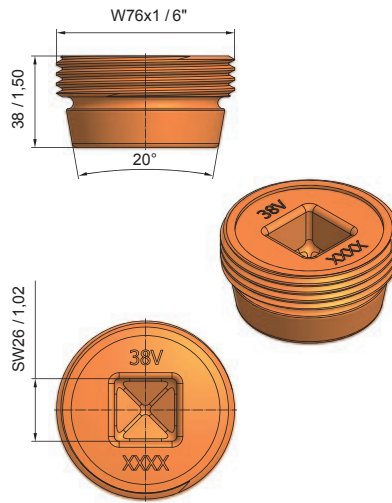
Bit puller

**BZ12**Bit puller  
incl. copper disc

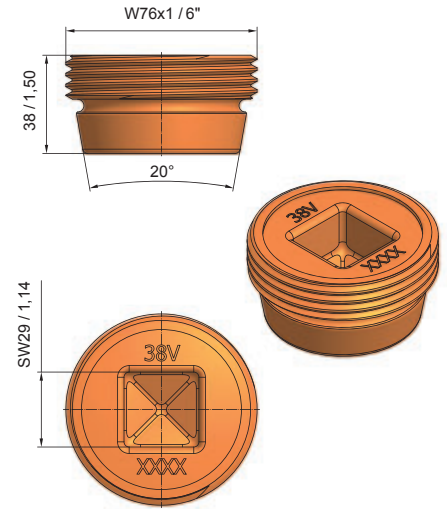
## Screw connections



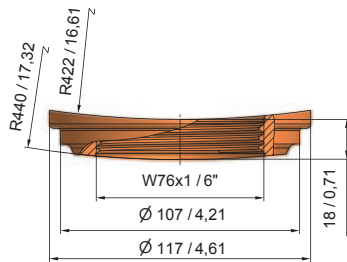
**BRV08**  
BRV75/38LV



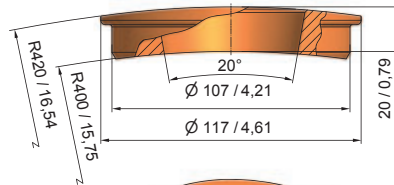
**BRV10**  
BRV75/38LV/4



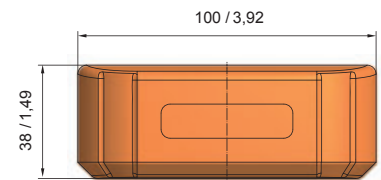
**BRV23**  
BRV75/38LV/4/29



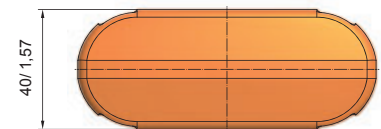
**BRV02**  
BRV-G88/L



**BRV03**  
BRV-K88/L



**BRV32**  
BRV-AK



**BRV34**  
BRV SW26



**BRV35**  
BRV SW29





**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 |

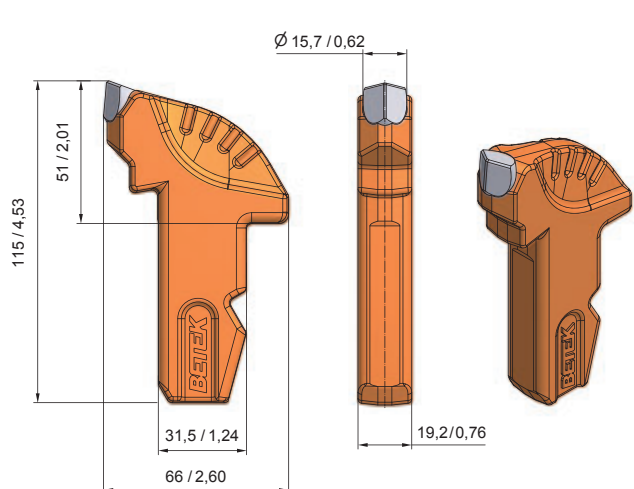
**Casing screw connections for walls 50mm thick**

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

**Other**

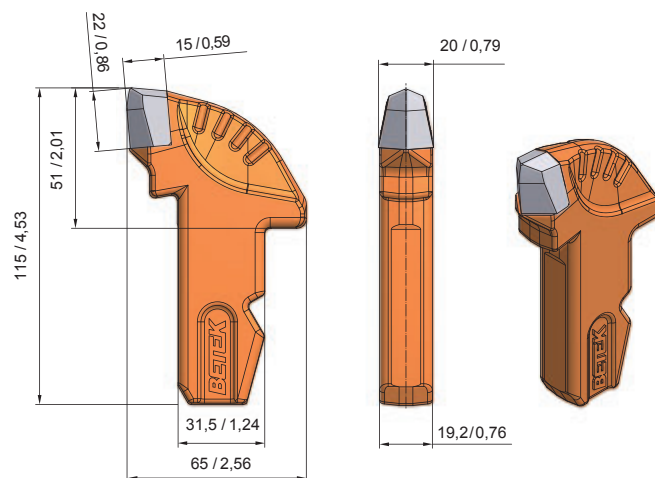
|        |               |       |
|--------|---------------|-------|
| BRV-AK | (Stop wedges) | BRV32 |
|--------|---------------|-------|

## Flat teeth for Hydro Cutter


**BF40**

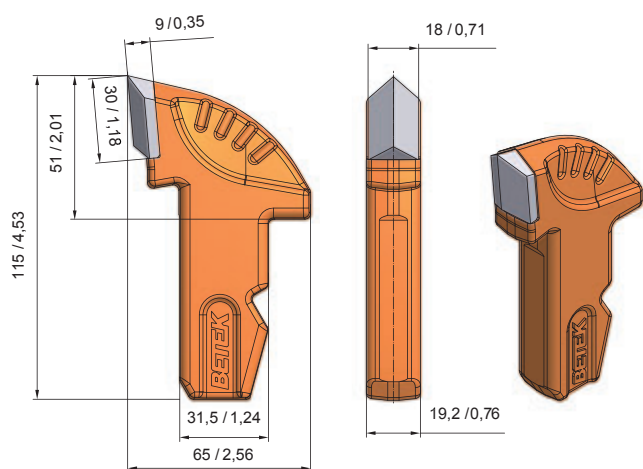
BF 115x32x19

25


**BF41**

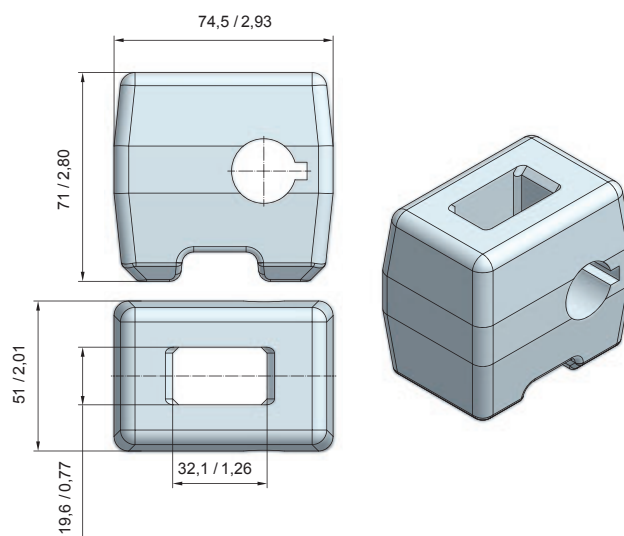
BF 115x32x19/1

25


**BF42**

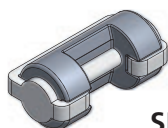
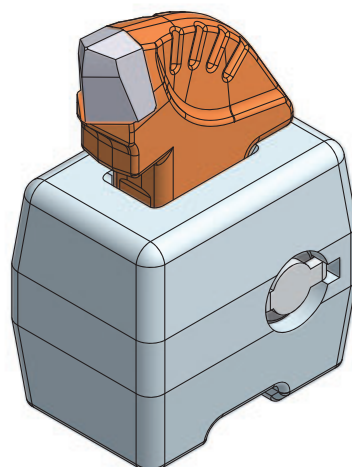
BF 115x32x19/2

25


**BHF15**

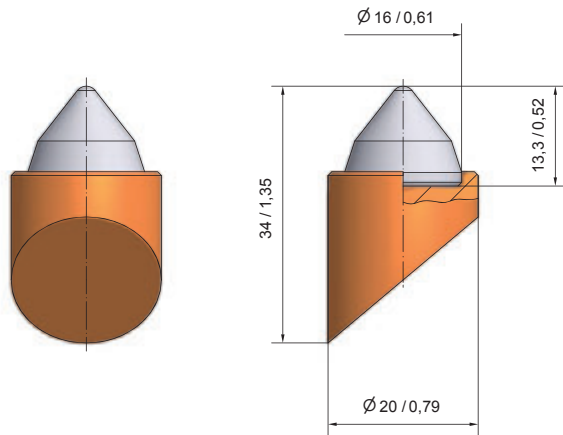
BHF 32x20

10


**SI188**


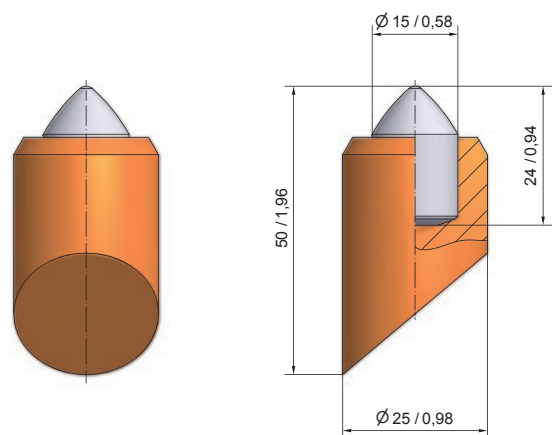


# HDD Horizontal Directional Drilling    Weld-on Teeth

**BFZ158**

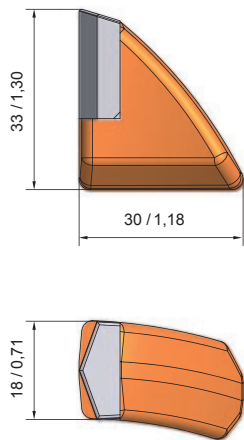
BFZ3

250

**BFZ207**

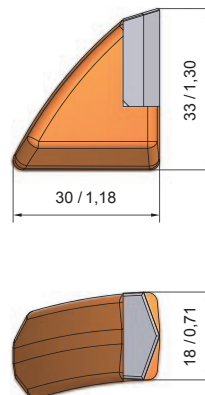
BFZ1

100

**BFZ107**

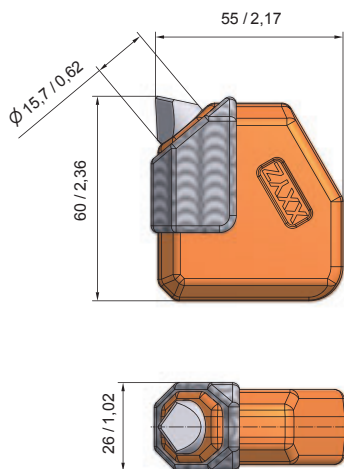
BFZ18/R

200

**BFZ144**

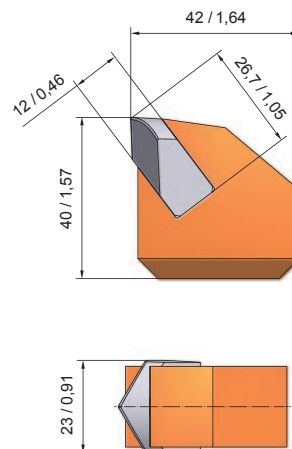
BFZ18/L

200

**BFZ257**

BFZ 60x55x22

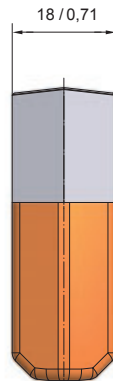
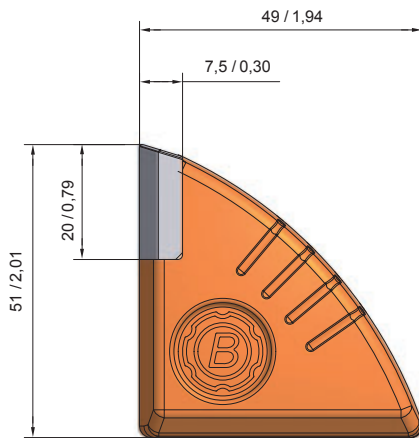
25

**BFZ260**

BFZ 42x40x23

50

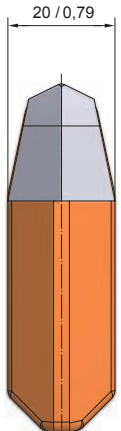
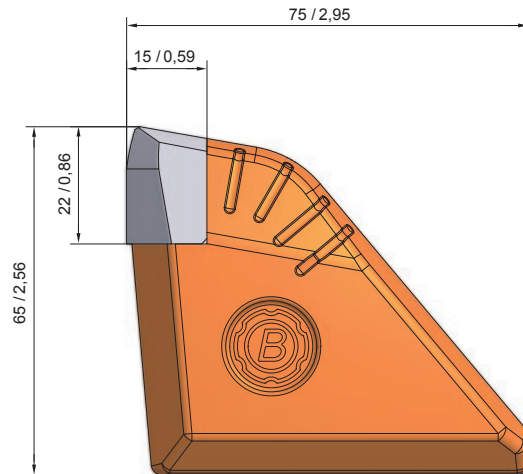
## HDD Horizontal Directional Drilling Weld-on Teeth



**BFZ87**

BFZ 18/2

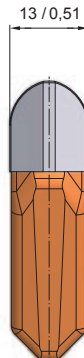
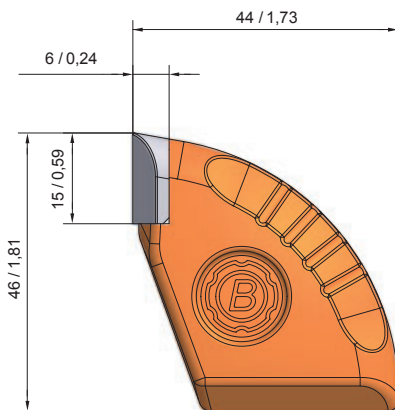
50



**BFZ319**

BFZ 75x65x20

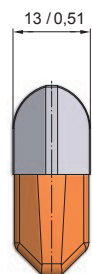
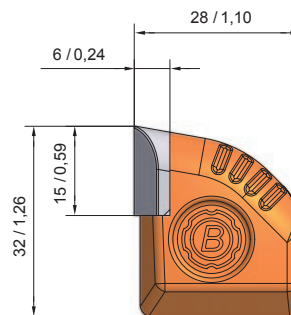
25



**BFZ318**

BFZ 46x44x13

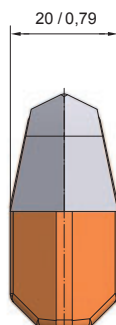
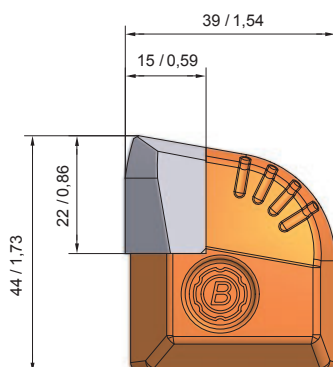
100



**BFZ321**

BFZ 32x27x13

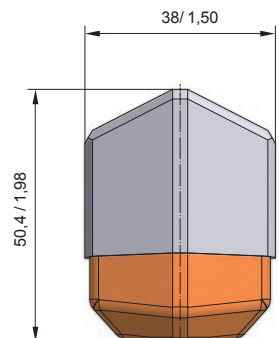
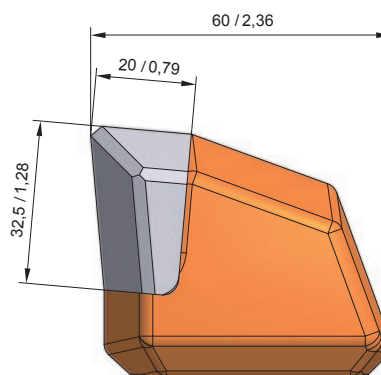
100



**BFZ320**

BFZ 44x39x22

50

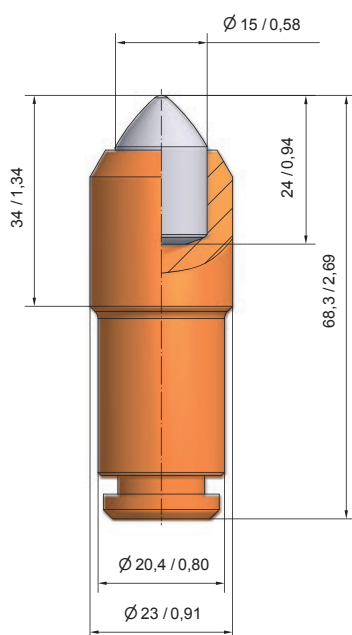


**BFZ35M**

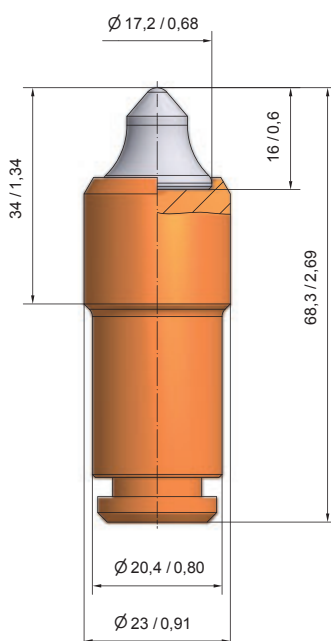
BFZ 38/M

25

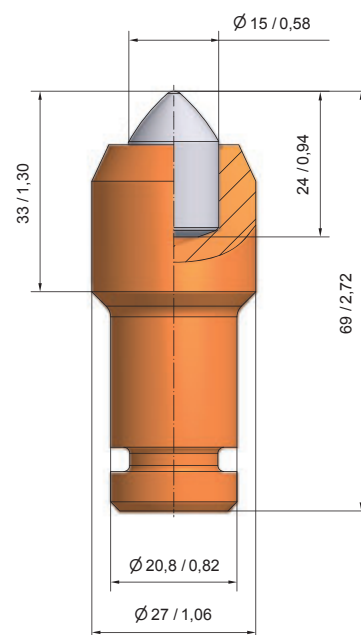
# HDD Horizontal Directional Drilling      Round shank cutter bit

**BSR187**

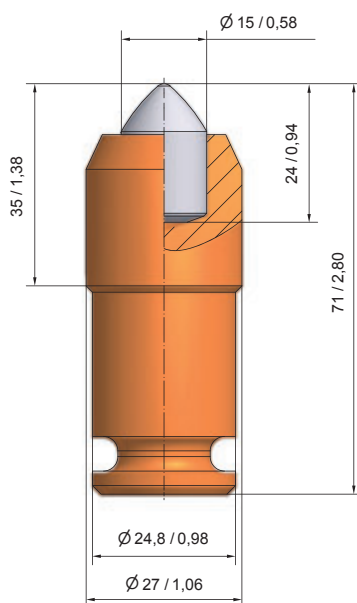
BG20X-15.2334

**BSR186**

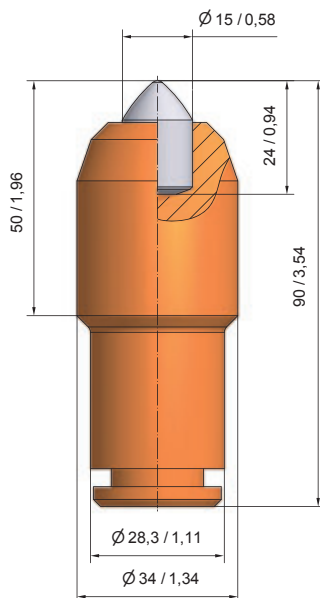
BG20X-62.2334

**BSR93**

BG21X-15.2733

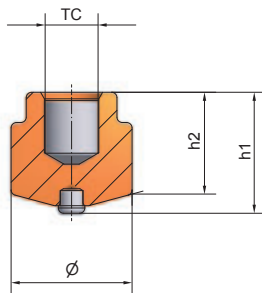
**BSR115**

BG25X-15.2735

**BSR110**

BG28F-15.3450

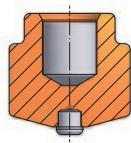
## Wear protection/TungStuds



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

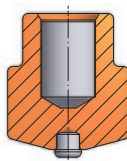
More info see:

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



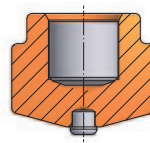
### BTS01

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



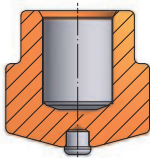
### BTS02

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



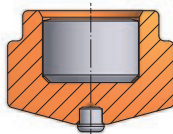
### BTS03

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



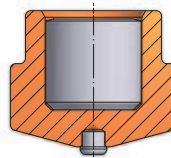
### BTS04

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



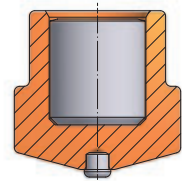
### BTS05

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





BETEK Bergbau- und Hartmetalltechnik  
Karl-Heinz Simon GmbH & Co. KG

Sulgener Str. 19-23  
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