

Spezialtiefbau

*Werkzeuge für
echte Helden!*



MADE IN GERMANY

BETEK

Weiterkommen!

Weltweit im Einsatz: BETEK Hartmetall-Werkzeuge



1 - Straßenfräsen



2 - Surface Mining



3 - Stabilisieren



4 - Recycling



5 - Spezialtiefbau



6 - Brechen und Mischen



7 - Horizontales Bohren HDD



8 - Bergbau



9 - Grabenfräsen



10 - Tunnelbau



11 - Baggeranbaufräsen



12 - Forstmulchen



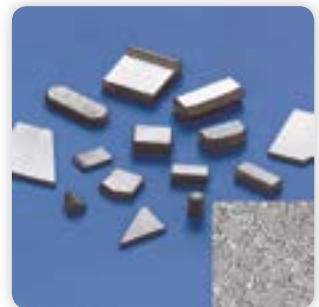
13 - Agrartechnik



14 - Gleisbau



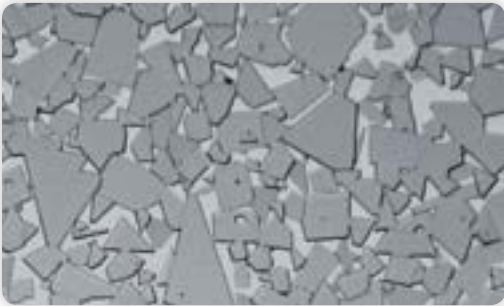
15 - TungStuds



16 - Verschleißschutz

Setzen Sie innovative Werkzeugsysteme von BETEK ein – und Sie werden mit überdurchschnittlichen Tagesleistungen weiterkommen! Hartmetallqualität und Geometrie der BETEK-Werkzeuge sind immer auf die Bearbeitungsaufgabe abgestimmt. Das sichert lange Standzeiten bei weniger Werkzeugwechsel.

Weiterkommen durch verschleißfeste Hartmetallqualität



Querschnitt durch Hartmetall der Qualität B20G, wie sie zum Beispiel für den Spezialtiefbau eingesetzt wird

Hartmetall und Stahl – fest verbunden für härteste Belastungen

BETEK-Werkzeuge entstehen aus Hartmetall und Stahl: Hartmetall für die verschleißfeste Meißelspitze, Stahl für Meißelkopf und Werkzeugschaft. Um die beiden Materialien dauerhaft zu verbinden, wurden bei BETEK eigene Verfahren und spezielle Lötanlagen entwickelt. Die Verlotung der beiden Materialien erfolgt mit Überwachung und Dokumentation der Fertigungsparameter. Zusätzlich wird die Lötung auf Scherfestigkeit geprüft.

Dieser Aufwand zahlt sich im harten Einsatz aus. Die Werkzeuge können dabei sehr heiß werden. Da Hartmetall und Stahl unterschiedliche Ausdehnungseigenschaften bei Wärme haben, treten extreme Zugspannungen auf. Und hier kommt das Speziallot von BETEK ins Spiel, das Hartmetall mit Stahl verbindet. Es nimmt die Zugspannungen auf und hält diesen Stand – damit Helden der Baustelle keine Zeit durch Werkzeugbruch verlieren.



Überwachte Fertigung auf der vollautomatischen Lötanlage



Das Löten für eine dauerhafte Verbindung von Hartmetall und Stahl

So entstehen unsere High-Tech-Werkzeuge

- Wirtschaftliche Kundenlösungen aufgrund flexibler Strukturen
- Individuelles, schnelles Eingehen auf Kundenanforderungen

Kundenservice

- Zeitnahe Realisation von Mustern und Prototypen
- Konkurrenzfähige Preise durch enge Zusammenarbeit mit allen Produktionsbereichen

Entwicklung & Konstruktion

- Verwendung von Rohstoffen hoher Reinheit für hohe Festigkeit
- Konstant hohe, porenfreie Hartmetallqualität durch eine exakte Prozessführung dank jahrelanger Erfahrung und Know-how

Hartmetallfertigung

Eigens und bis zur Perfektion entwickelte Produktionsanlagen und Fertigungsprozesse von den Experten in der Verbindung von Hartmetall und Stahl

Produktionsbereich Löten

Wettbewerbsfähigkeit auf dem Weltmarkt durch einen hohen Automatisierungsgrad und flexible Fertigungsanlagen

Automatisierung

Permanente Qualitätsprüfungen der gesamten Fertigungskette bis zur Baustelle nach DIN ISO 9001:2000 und DIN EN ISO 14001

Qualitätssicherung

Anwender-Schulungen im Hause BETEK oder direkt auf der Baustelle für langfristigen wirtschaftlichen Erfolg und Kundenzufriedenheit

Training

kurzfristige Reaktionsmöglichkeiten durch

- Einsatz modernster EDV und optimale Logistik-Vernetzung
- Lagerhaltung von Standardprodukten

Logistik



Werkzeugprogramm

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Unter den Werkzeugabbildungen auf den nächsten Seiten finden Sie folgende Informationen:



Bemaßung: mm / Zoll

Schweißanleitung:

www.betek.de/de/produktprogramm/spezialtiefbau-anwenderinfo.html

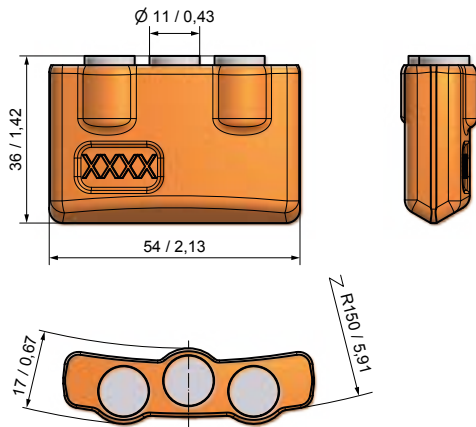


SERVICE:

Deutschland: info@betek.de

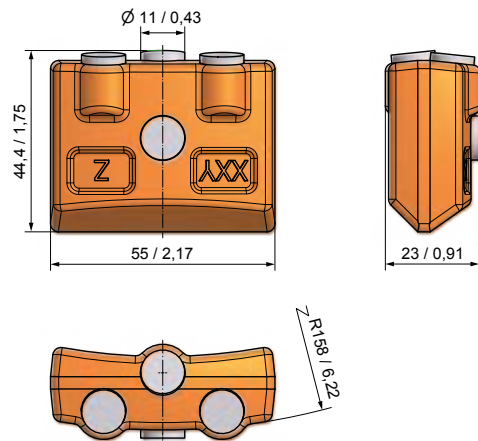
Tel.: +49 (0) 74 22 / 5 65-591

Anschweißstollen



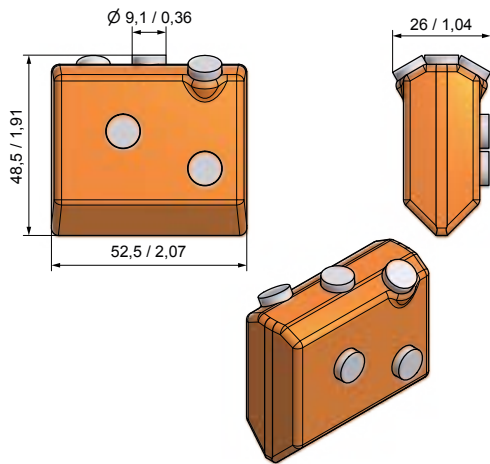
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BA55-17/11/R

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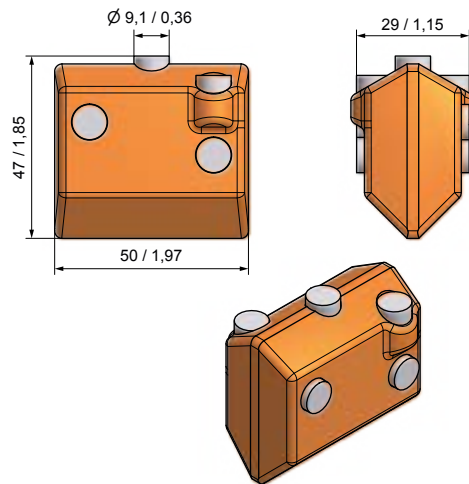
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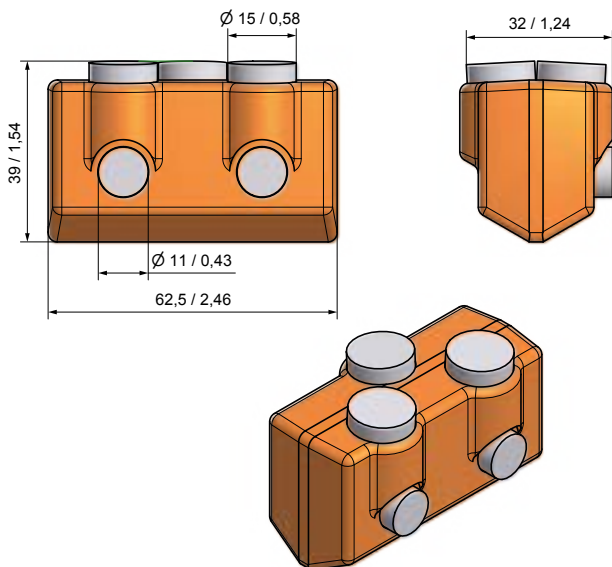
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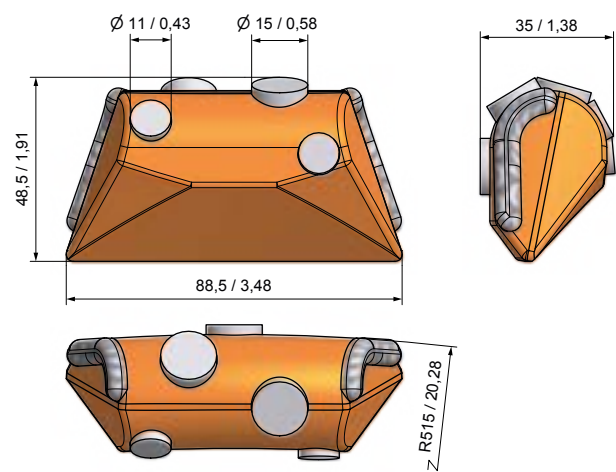
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BA50-29

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BA32
BA60-32/2

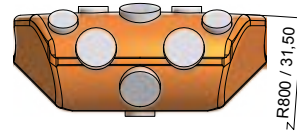
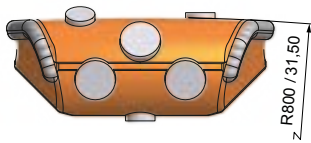
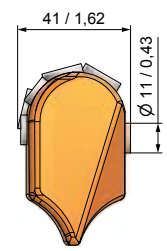
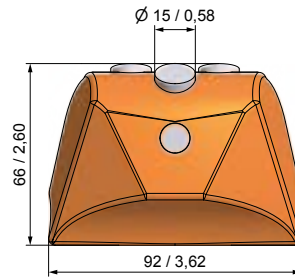
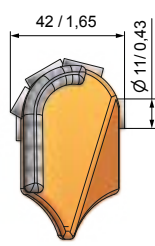
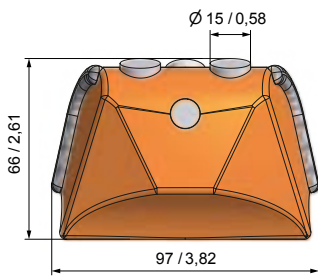
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BA01
BA90-35

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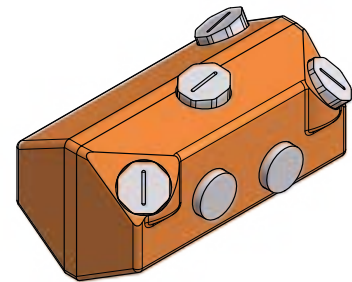
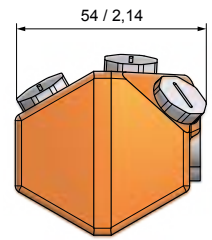
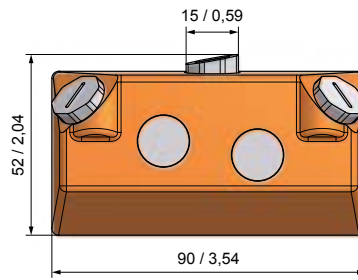
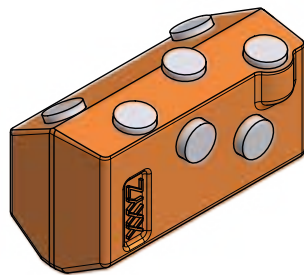
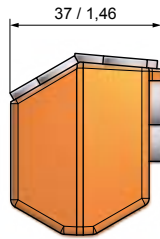
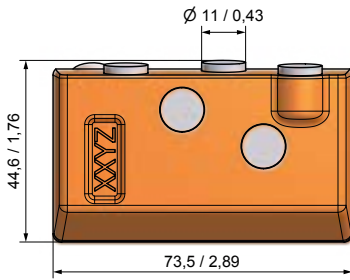
Anschweißstollen



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BA90-42



BA62
BA92-41



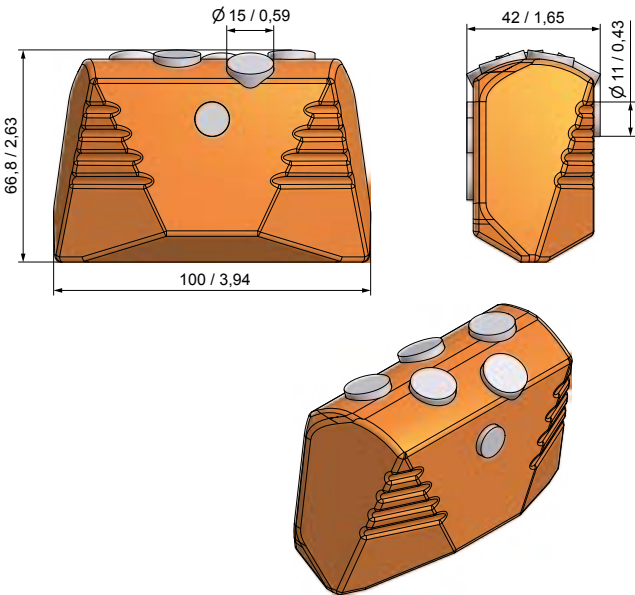
BA04
BA70-38



BA19
BA90-54

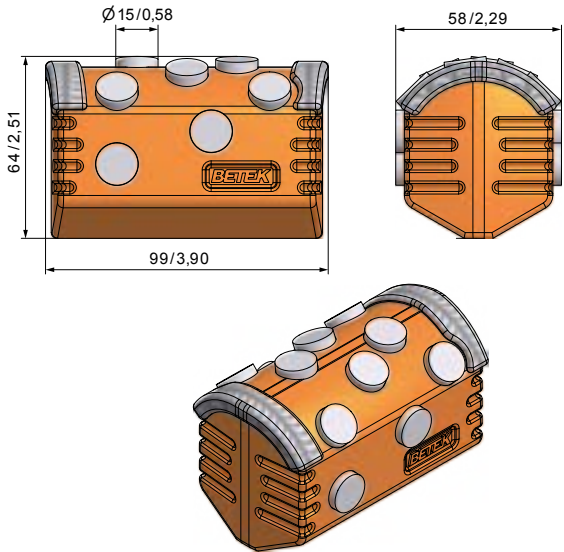


Anschweißstollen



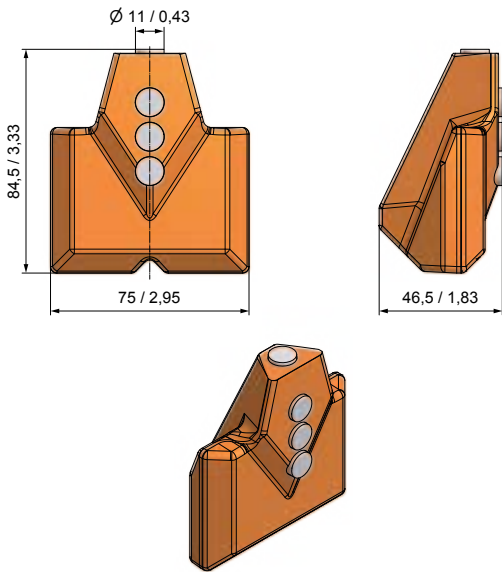
BA55
BA100-42

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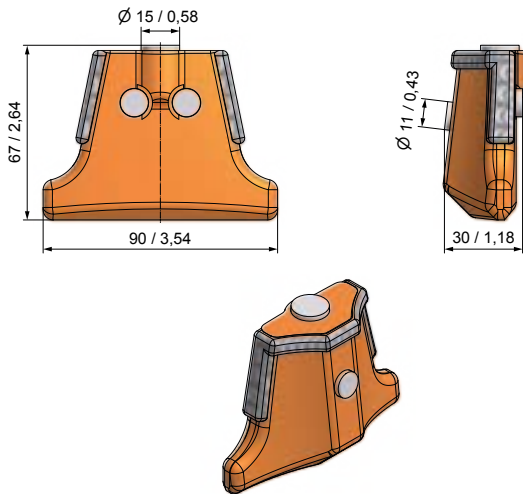
BA28
BA90-58/3

8



BFZ26
BFZ83x75x45 / 1

15

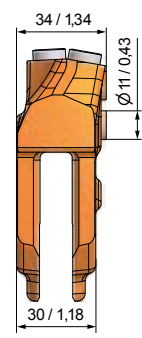
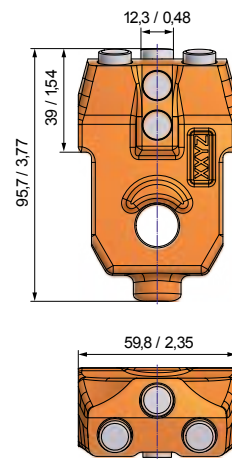
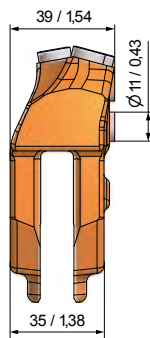
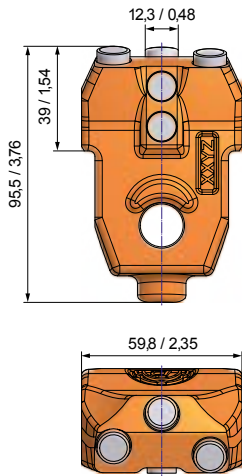


BFZ72 / B
BFZ65x90x30

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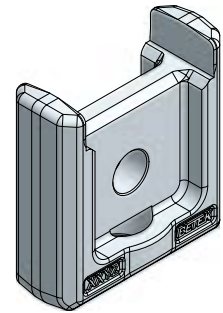
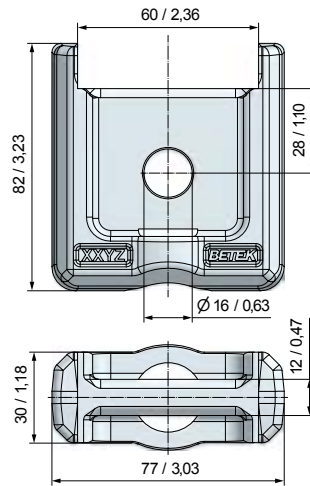
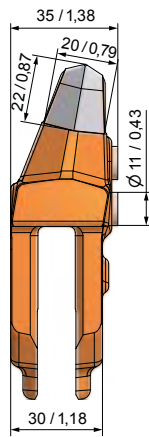
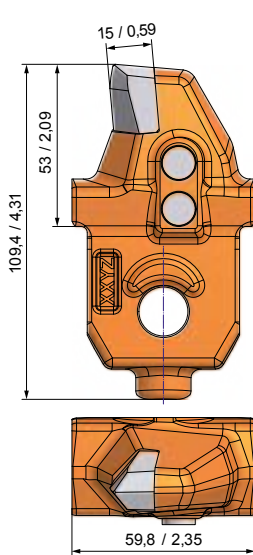
Wechselstollen 30 mm/1,18" Wandstärke Bohrrohr



BA58
BA96x60x35



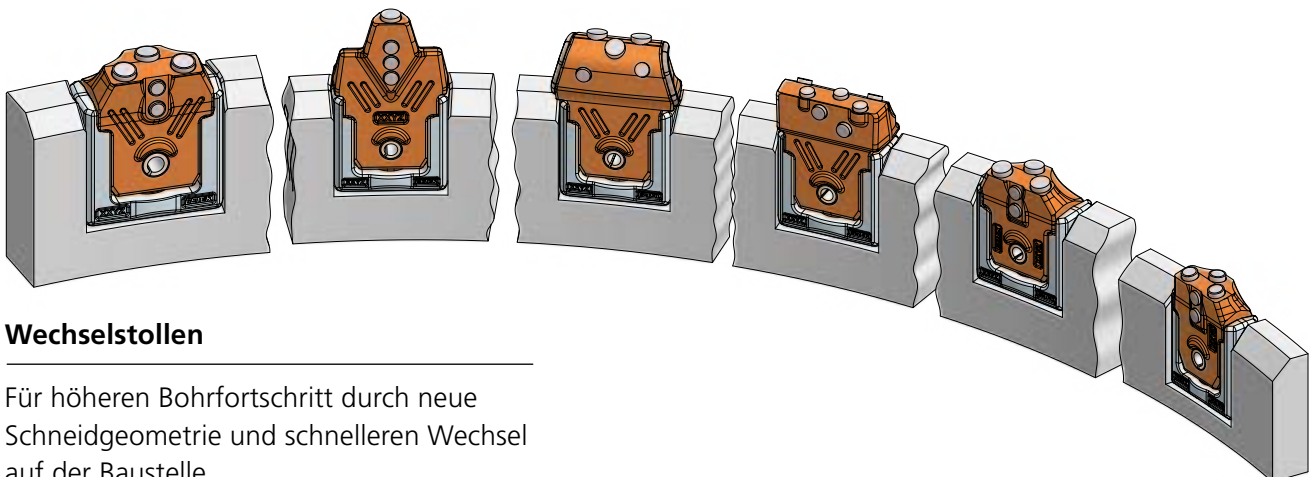
BA60
BA96x60x30



BA61
BA109x60x30



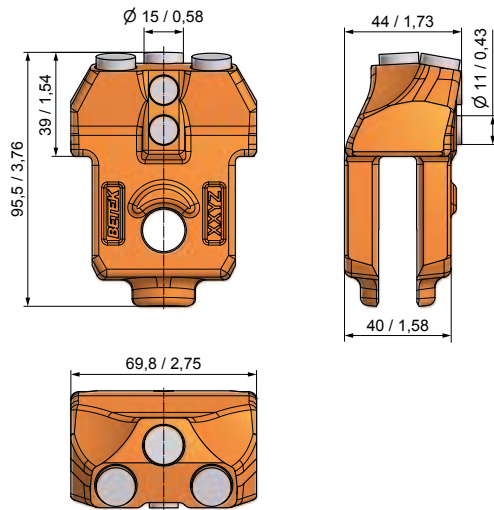
BHA06
BHA77x82x30



Wechselstollen

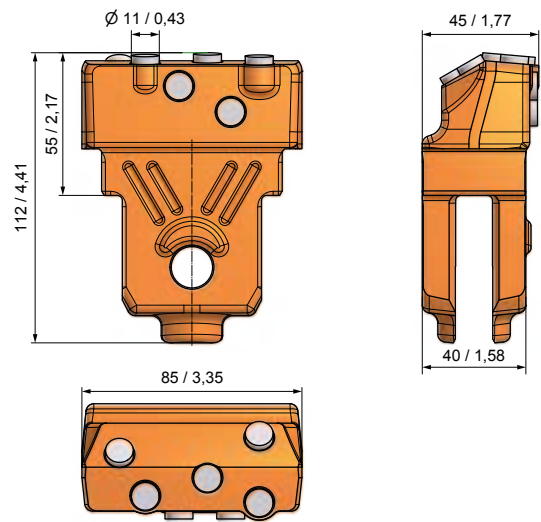
Für höheren Bohrfortschritt durch neue Schneidgeometrie und schnelleren Wechsel auf der Baustelle

Wechselstollen 40 mm / 1,58" Wandstärke Bohrrohr



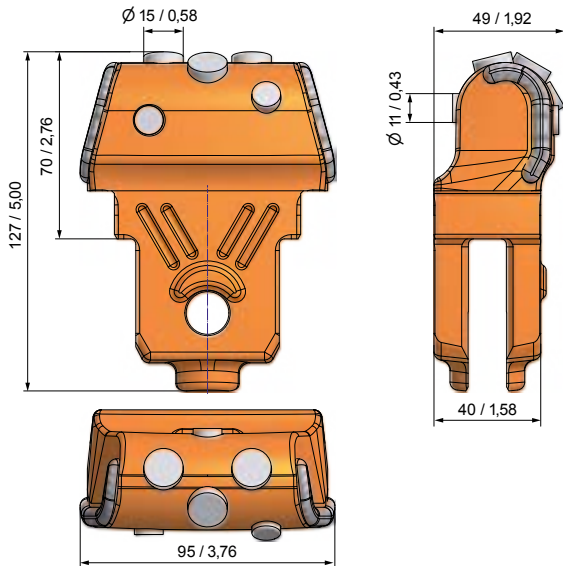
BA47
BA96x70x40

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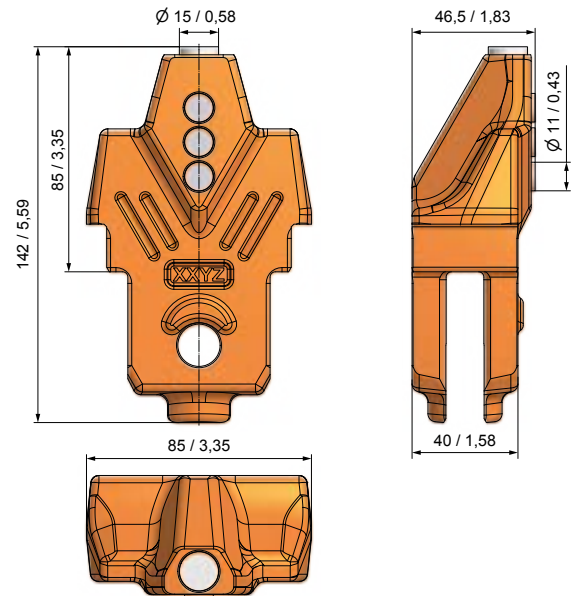
BA50
BA112x85x40

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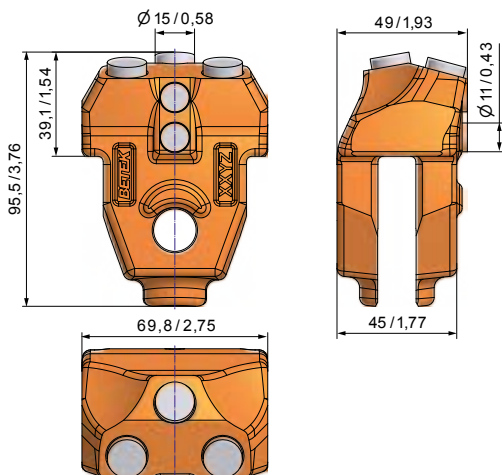
BA51
BA127x90x40

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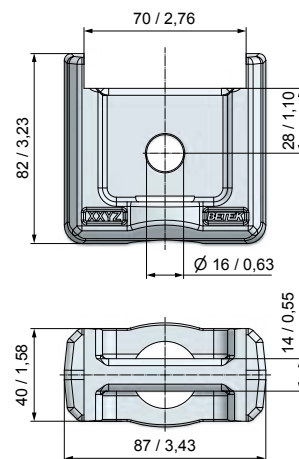
BA52
BA142x85x40

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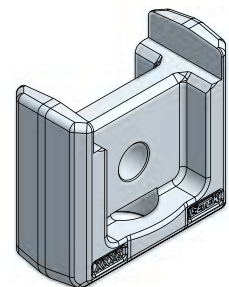
BA57
BA96x70x45

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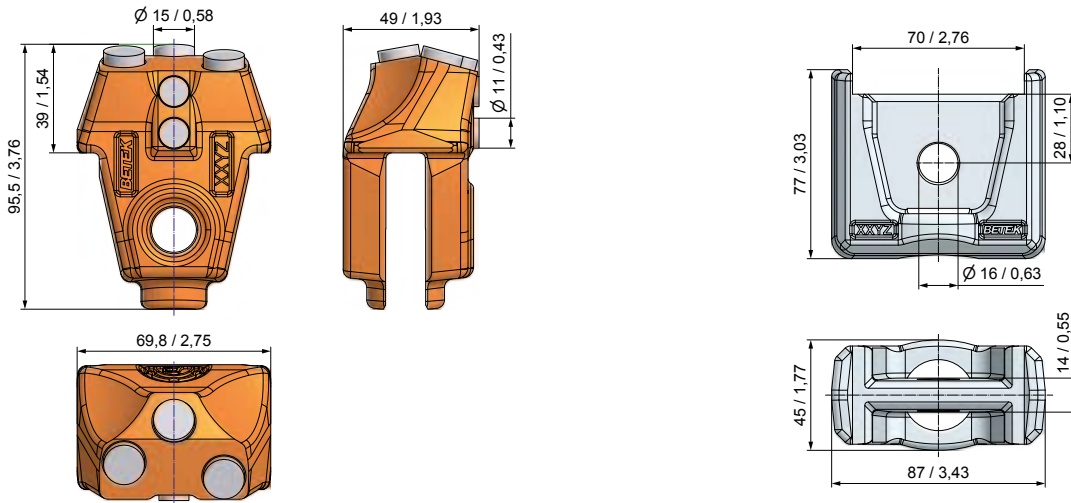
BHA04
BHA87x82x40

10



SPH73

Wechselstollen 40 mm / 1,58" Wandstärke Bohrrohr



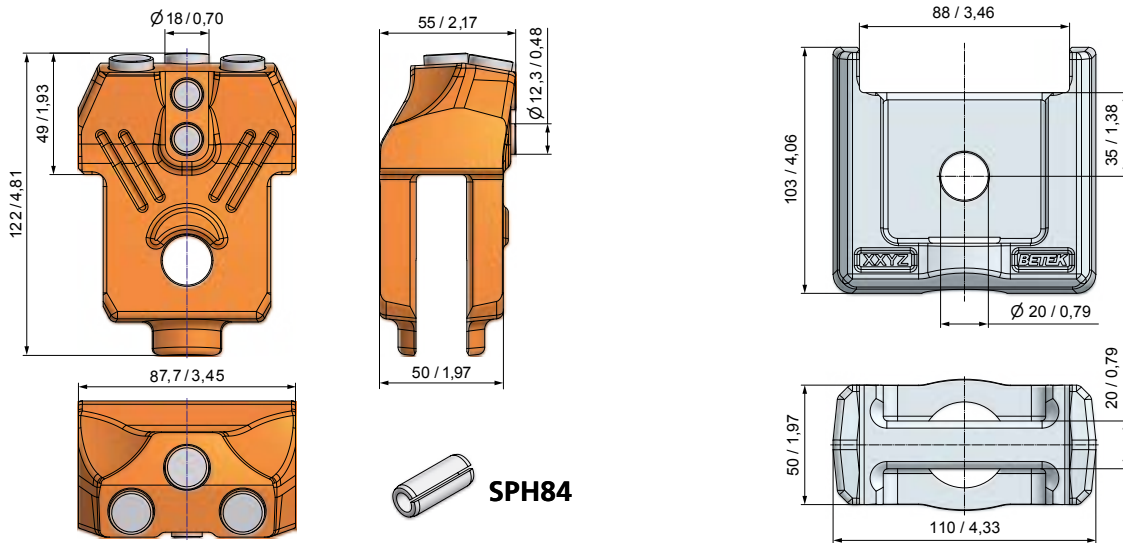
BA63
BA96x70x45



BHA07
BHA87x77x40



Wechselstollen 50 mm / 1,97" Wandstärke Bohrrohr



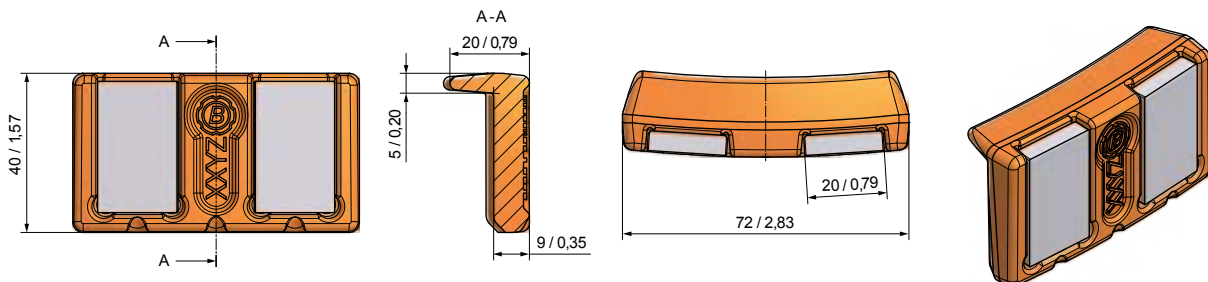
BA53
BA122x88x50



BHA05
BHA110x103x50



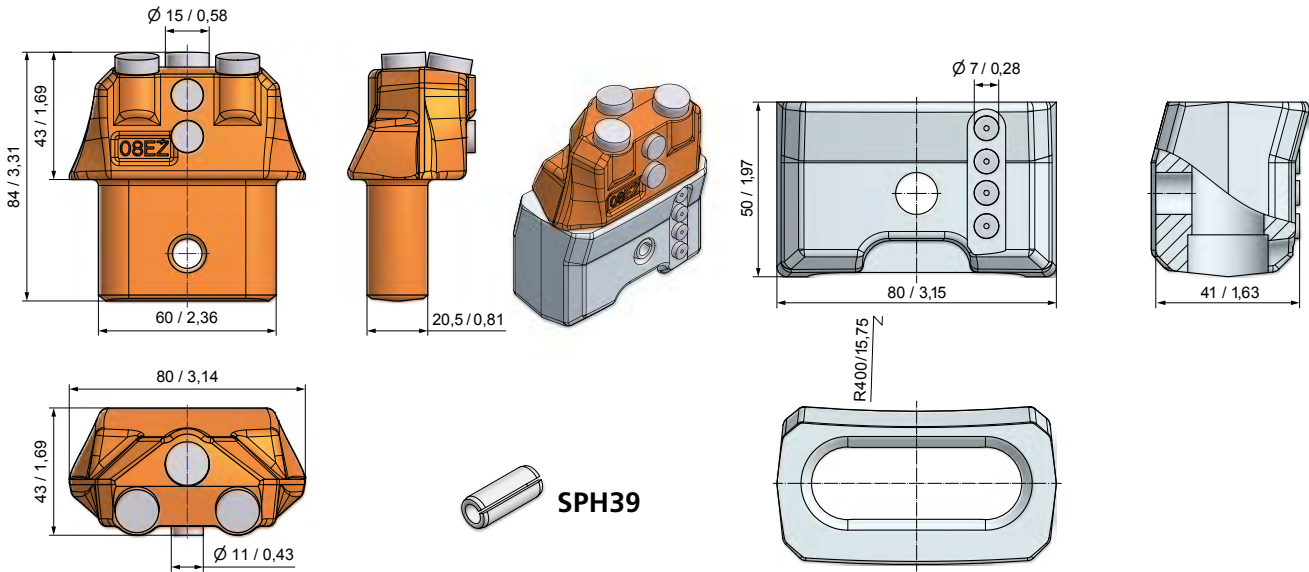
Kaliberschut für Bohrschnecken



BA54
BA72x40x20



Wechselstollen 40 mm / 1,58" Wandstärke Bohrrohr



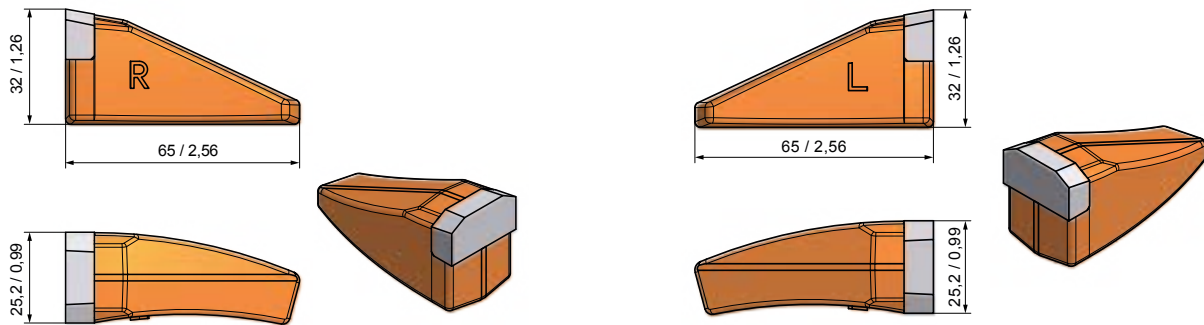
BA46
BA80-31

15

BHA02
BHA60/2

20

Anschweißzähne

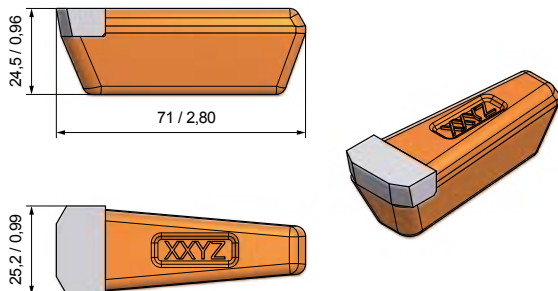


BFZ25R
BFZ25-R

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BFZ25L
BFZ25-L

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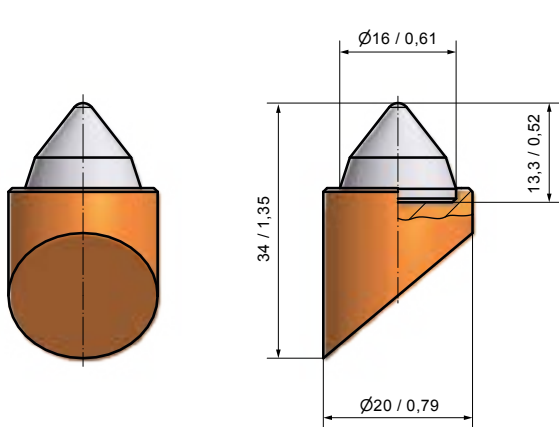


BFZ96
BFZ71x25

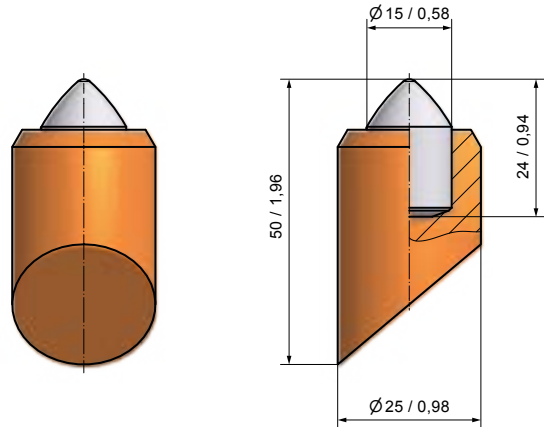
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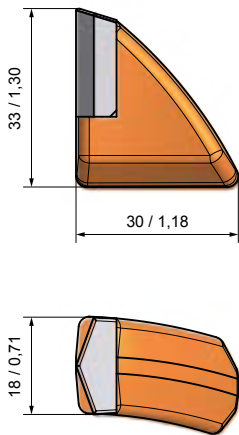
Anschweißzähne



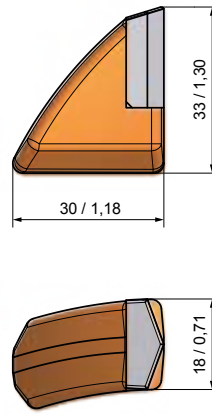
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BFZ3 250



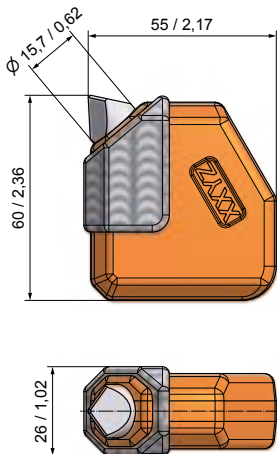
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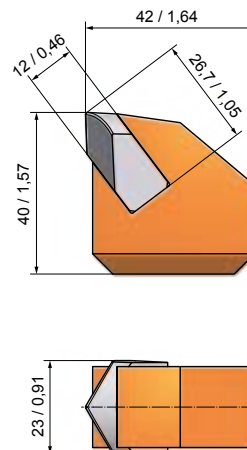
BFZ107
BFZ18/R 200



BFZ144
BFZ18/L 200



BFZ257
BFZ60x55x22 25



BFZ260
BFZ42x40x23 50

Anschweißzähne

BFZ87
BFZ18/2

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BFZ319
BFZ75x65x20

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BFZ318
BFZ46x44x13

100

BFZ321
BFZ32x27x13

100

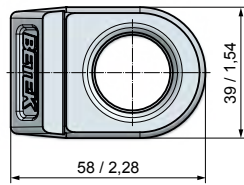
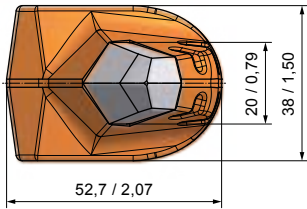
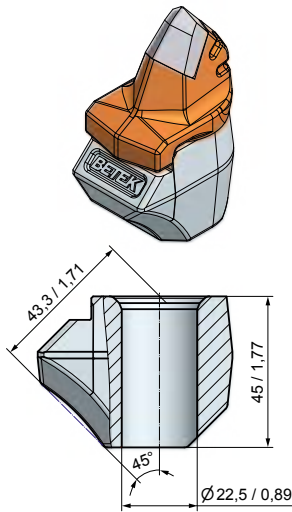
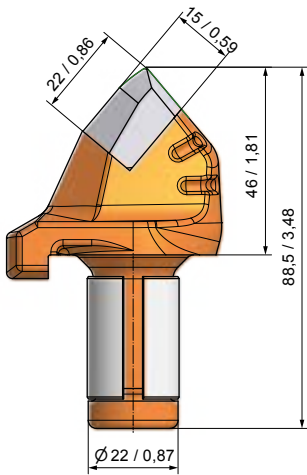
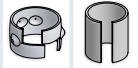
BFZ320
BFZ44x39x22

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BFZ326
BFZ38/M

25

Dragon Tooth



BFR07

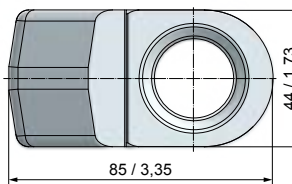
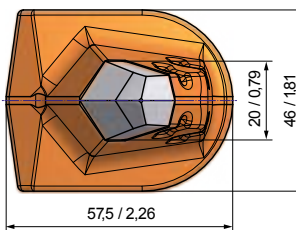
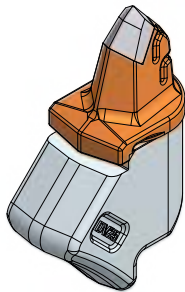
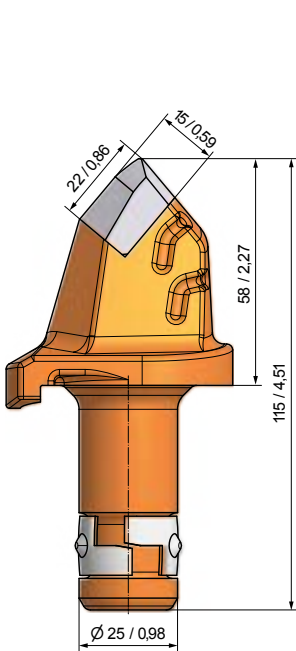
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BFR46-22

BHR133

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B10/22-F



BFR08

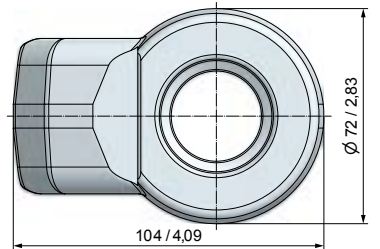
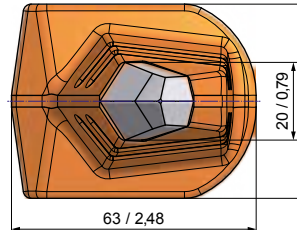
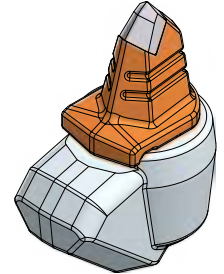
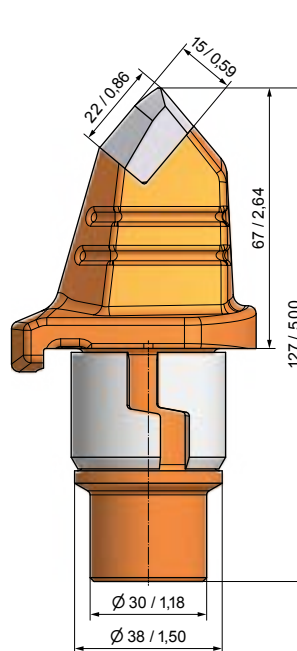
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BFR58-25

BHR184

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DV25-F



BFR10

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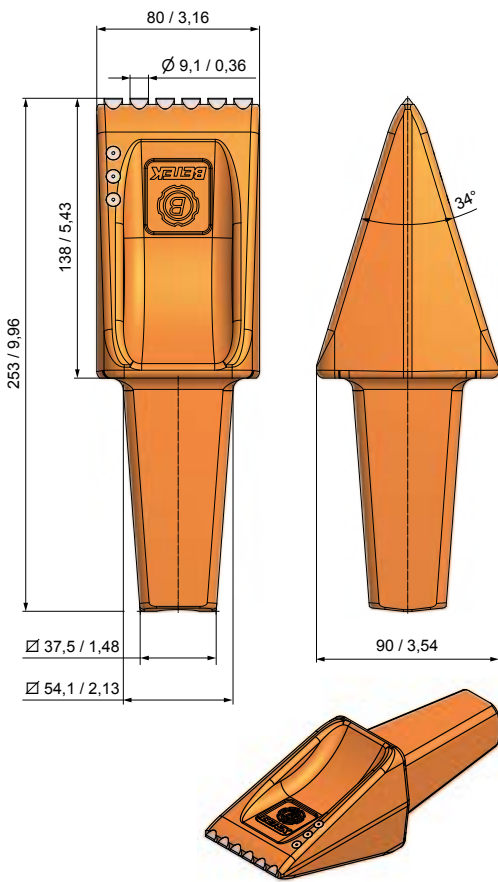
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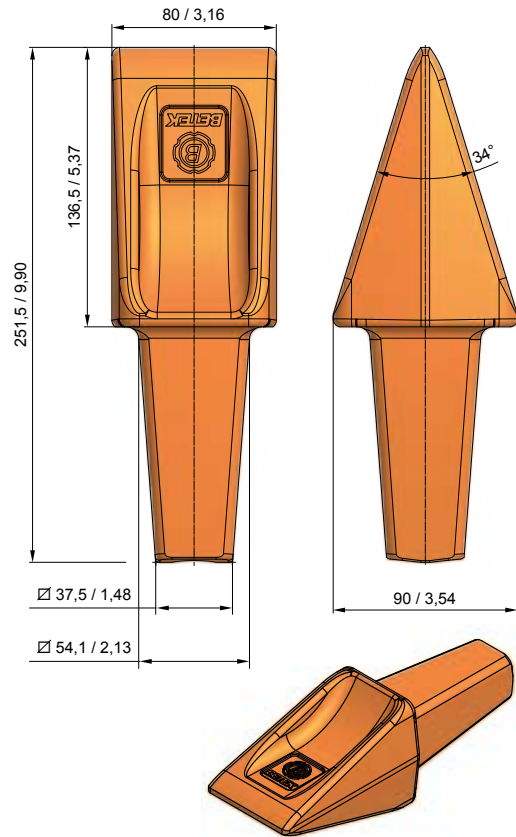
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B43K-F

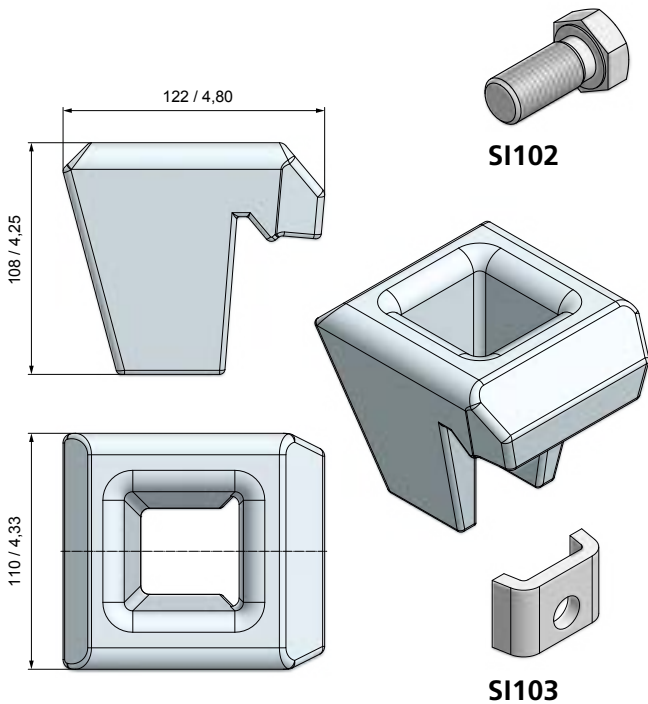
Flachzähne



BFZ317
BFZ80-B



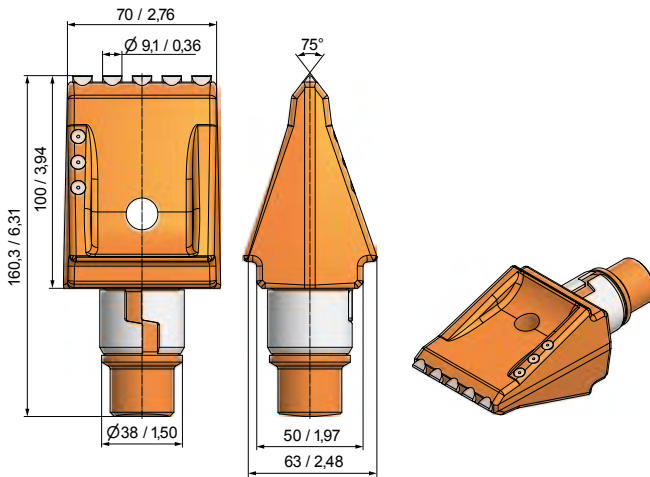
BFZ79
BFZ80OHM



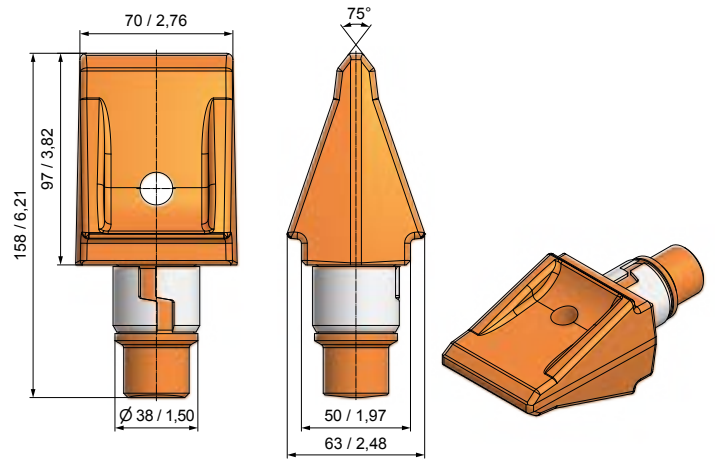
BHR73
BHZ80/2



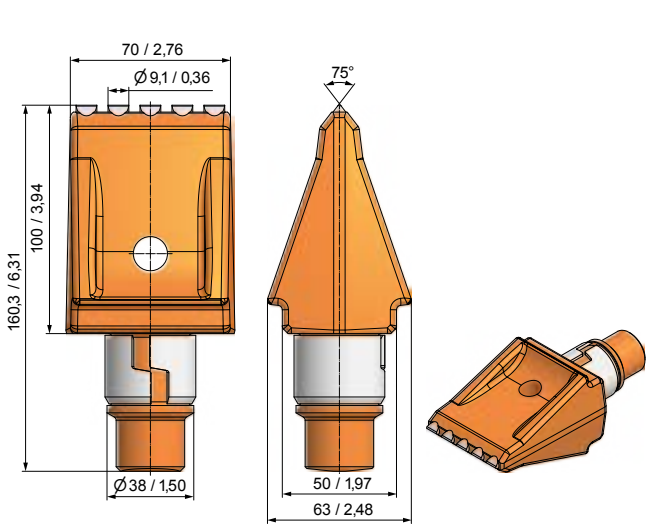
Flachzähne



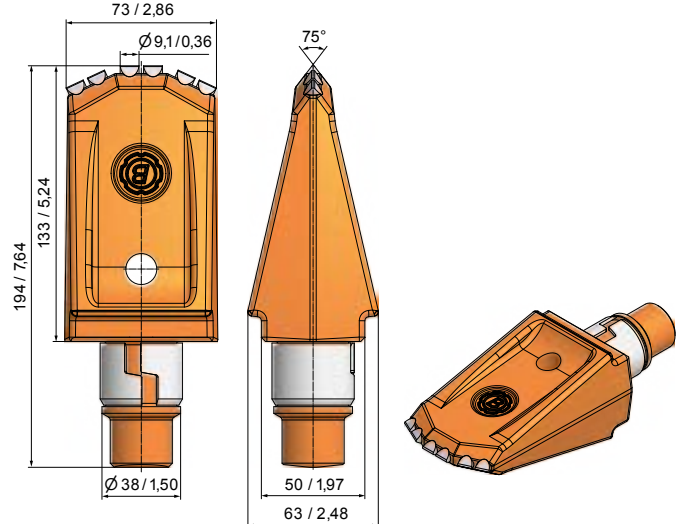
BFZ162
BFZ100x70/2



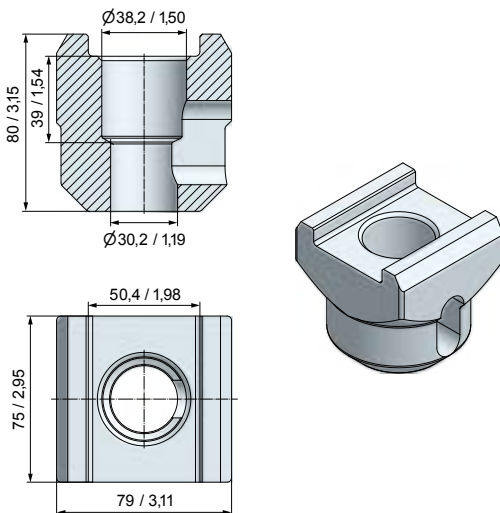
BFZ69
BFZ100x70



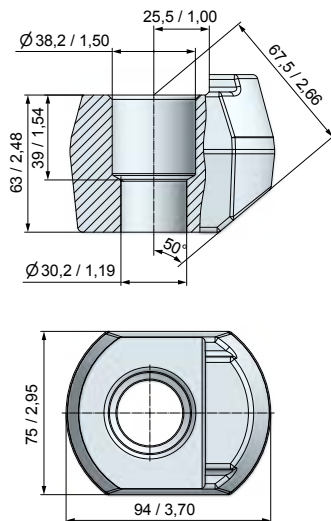
BFZ339
BFZ100x70/4



BFZ322
BFZ133x73/HM



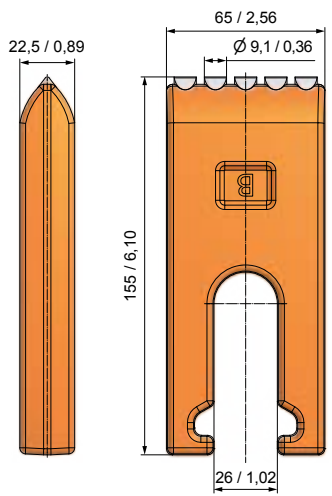
BHR112
B75



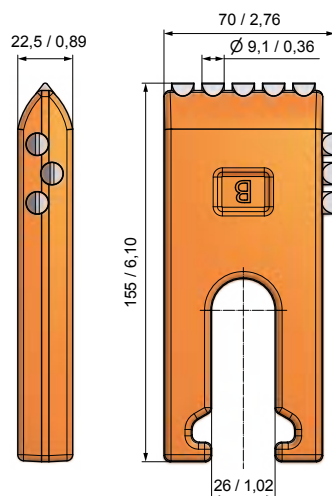
BHR39
B48



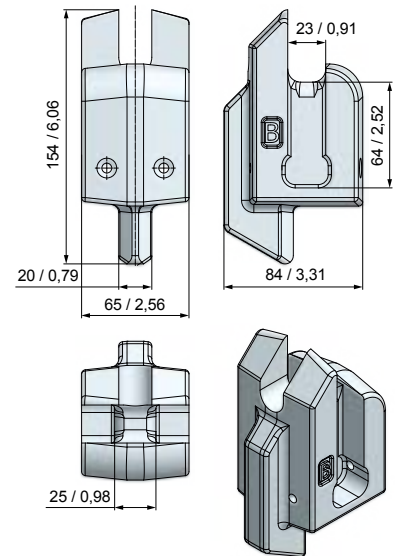
Flachzähne



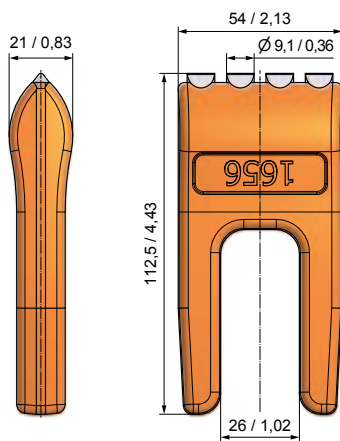
BFZ65HM
BFZ65/2



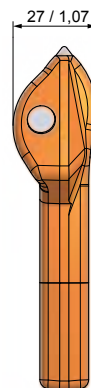
BFZ02
BFZ65/3



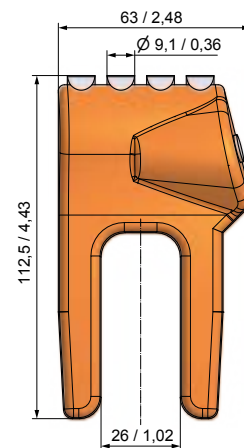
BHF02
B65-22



BFZ05N
BFZ1656N



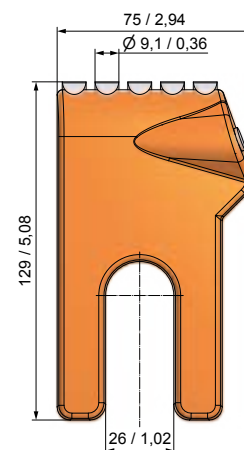
BFZ198N
BFZ1658N



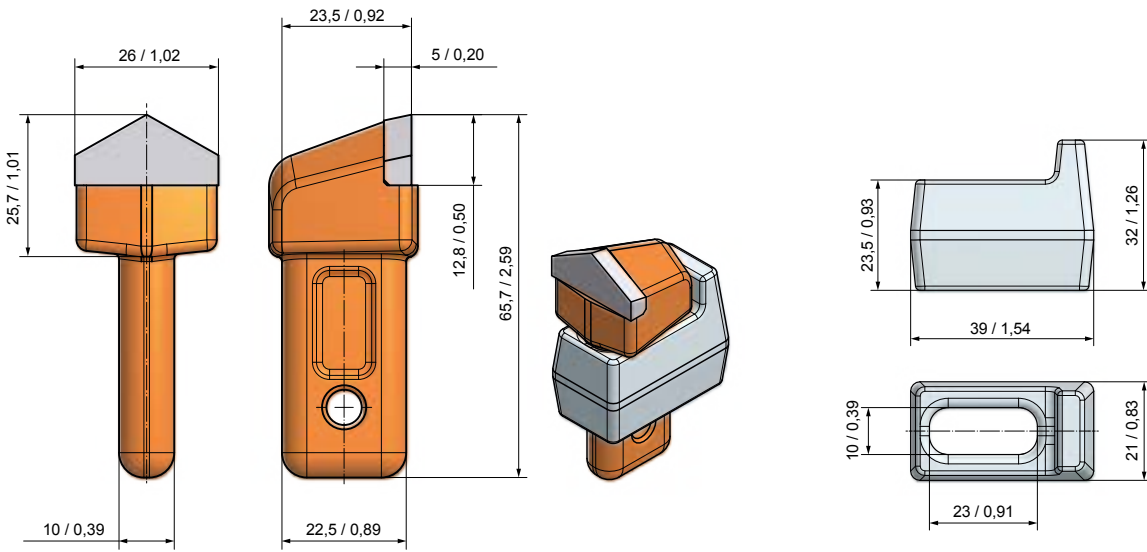
BFZ200N
BFZ2077N



BFZ218
BFZ2078



Flachzähne



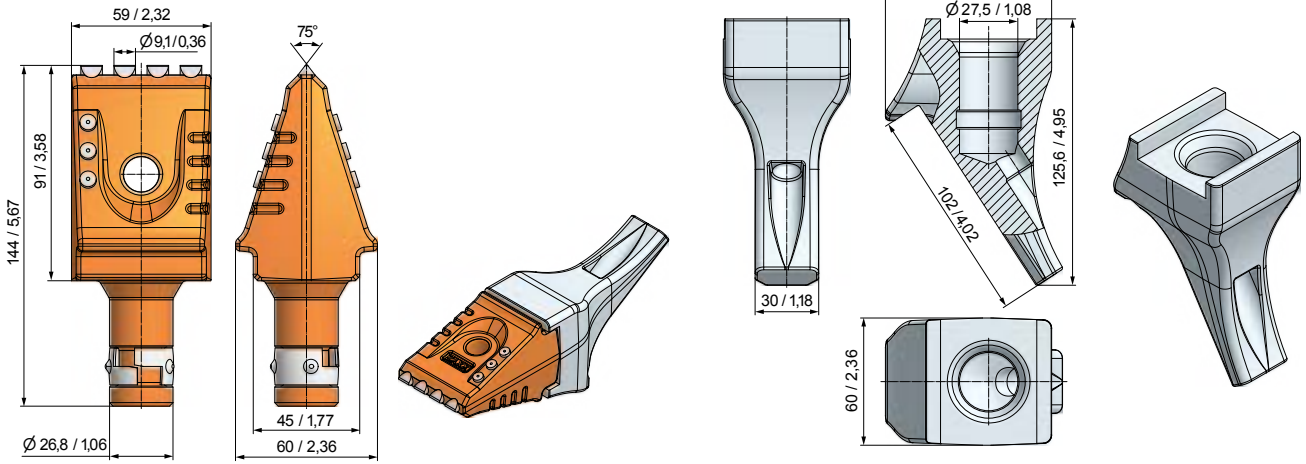
BFZ272

BFZ67x30x26



BHZ24

BHZ39x32x21



BFZ324

BFZ91x59

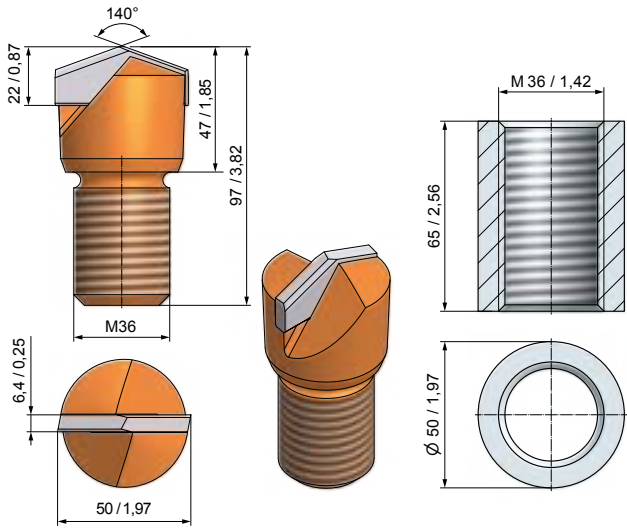


BHR220

B27.60

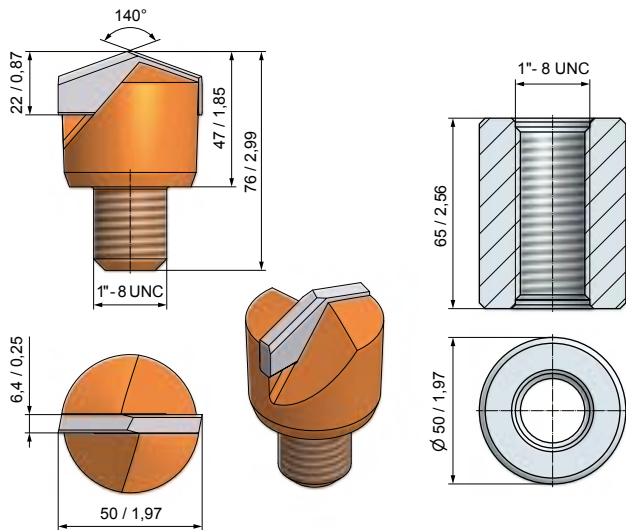


Piloten



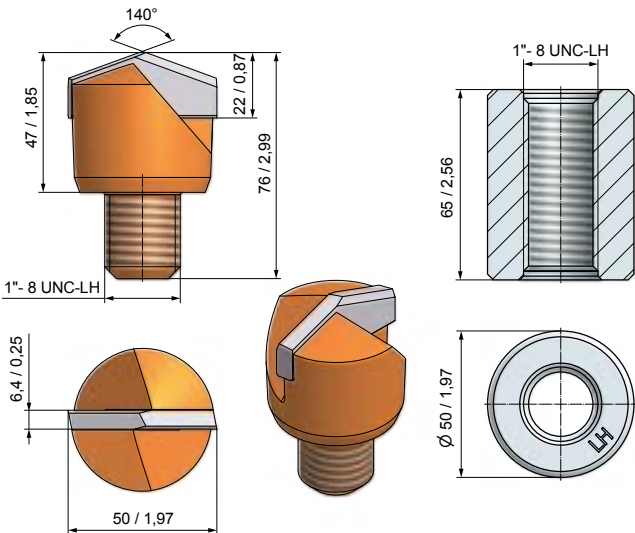
BP04 20
BP51/M36-HD3

BPH01 20
GH-M36



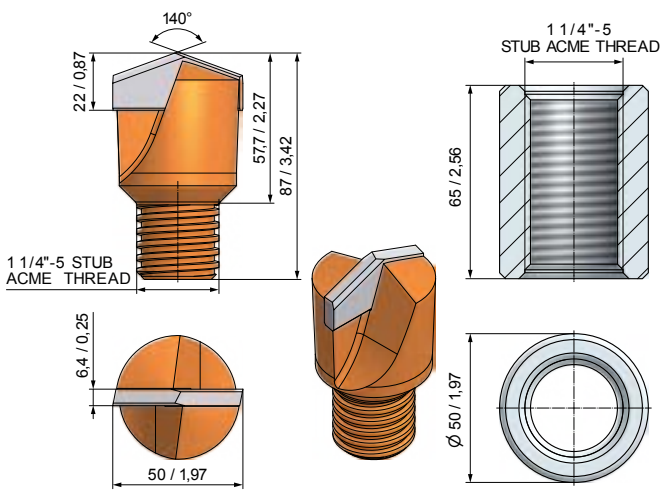
BP01 20
BP51/1"-HD3

BPH02 20
GH-1"



BP10 20
BP51/1"-HD3/LH

BPH03 20
GH-1"LH

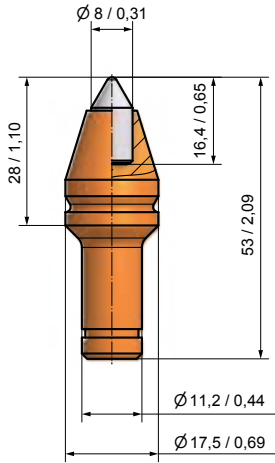


BP51 20
BP51x87

BPH04 20
GH-1 1/4"-5



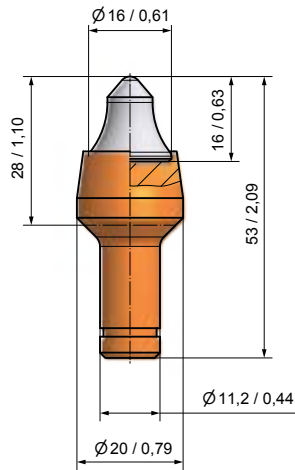
Schaftsystem Ø 11,3 mm/0,44"



BM11

200

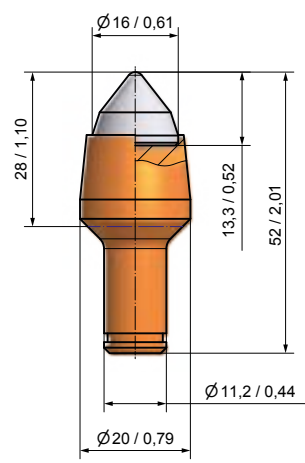
BM8-11.3



BM10

200

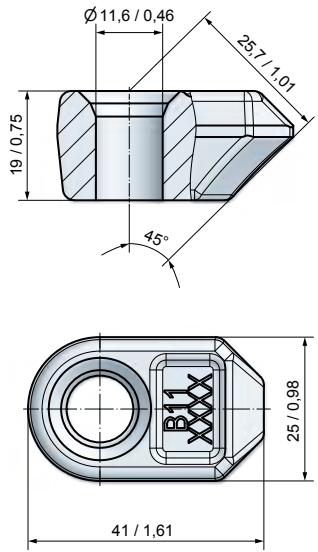
BM4-11.3



BM46

200

BM3-11.3

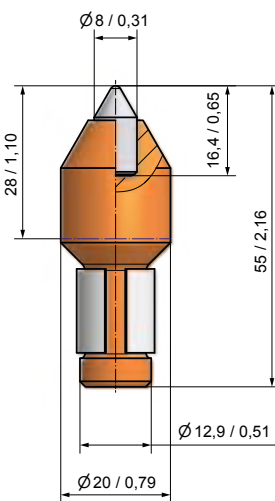


BHR03

200

B11

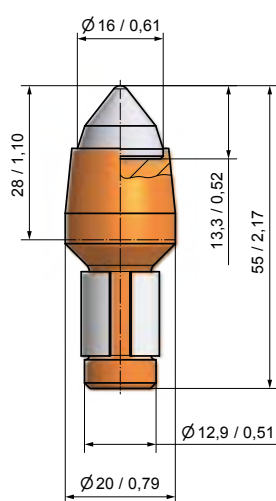
Schaftsystem Ø 13 mm/0,52"



BM34

200

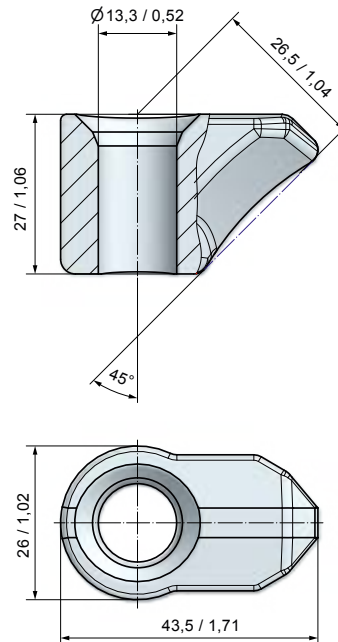
BM8-13/H



BM62

200

BM3-13/H

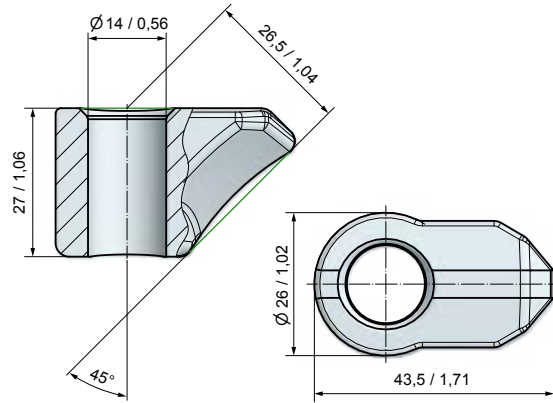
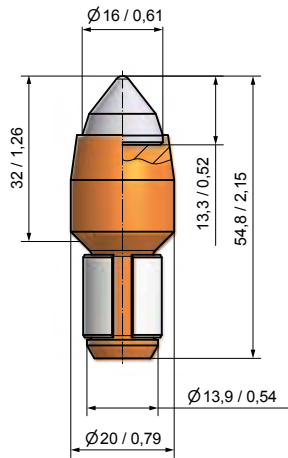
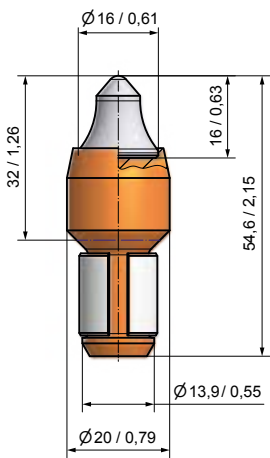


BHR47

150

B13

Schaftsystem Ø 14 mm/0,55"



BM55

200

BM4-14/2

BM60

200

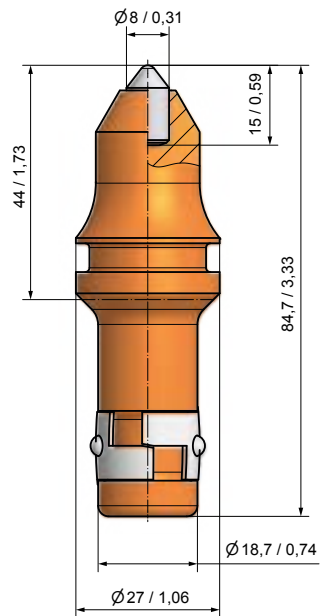
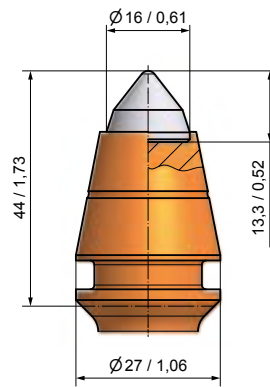
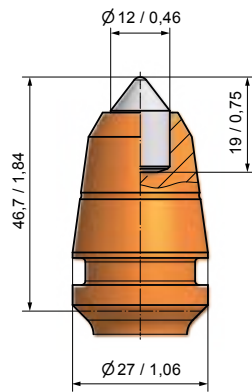
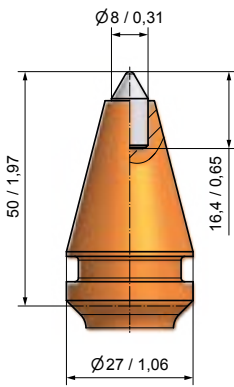
BM3-14/H

BHR109

150

B14

Schaftsystem Ø 18,7 mm/0,74"



BTR08

75

B43K8S

BTR02

50

B43HDK12

BTR03

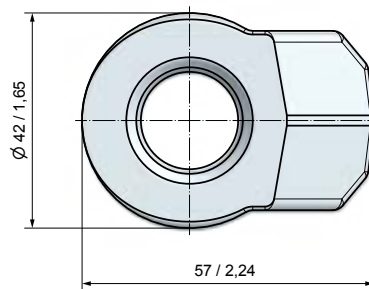
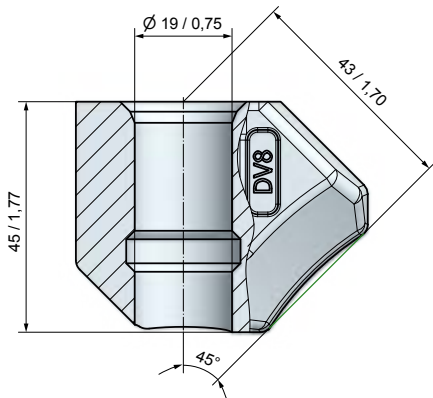
50

B43/3

BTR01

50

B43K8

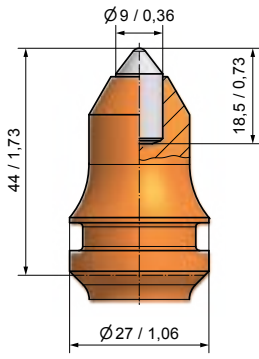
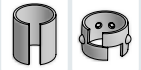


BHR20

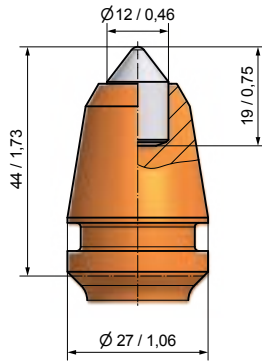
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DV8

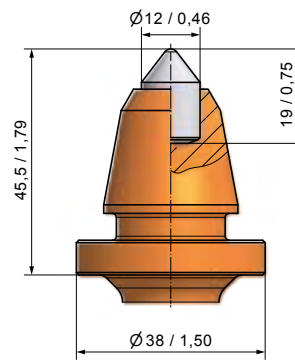
Schaftsystem Ø 19,4 mm/0,76"



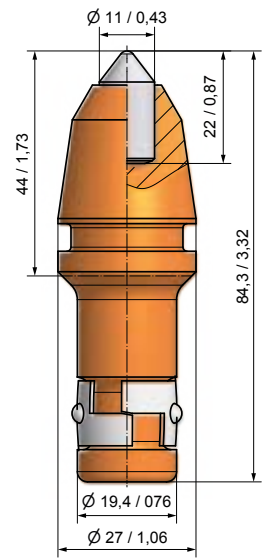
BSK15
B1K9-K



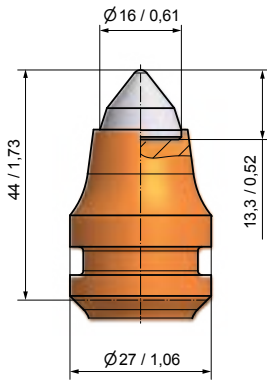
BSK17
B1HDK12-K



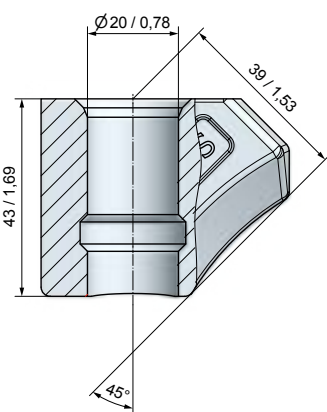
BSK21
B1-12/38-K



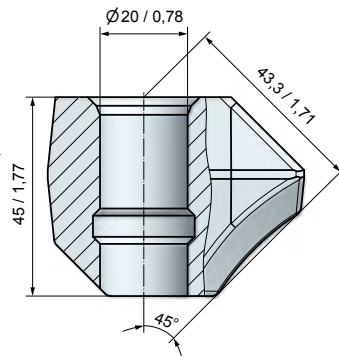
BSK16
B1HDK11-K



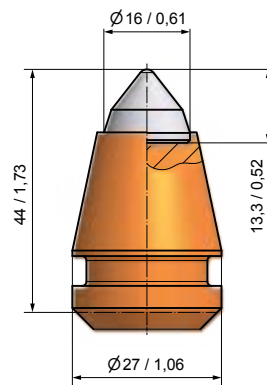
BSK12
B3-K



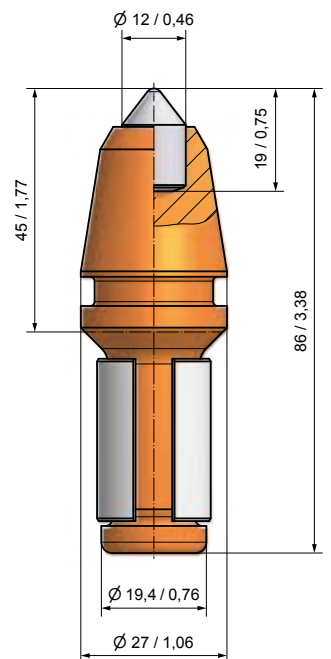
BHR164
DV9-S



BHR07
DV9



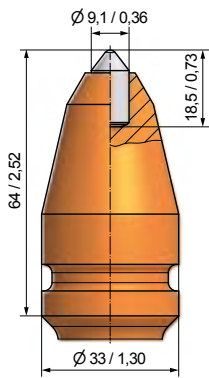
BSH09
B3



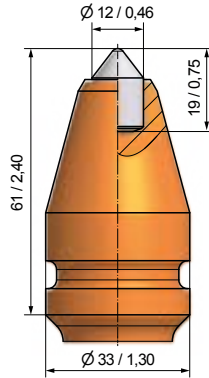
BSH05
B1HDK12



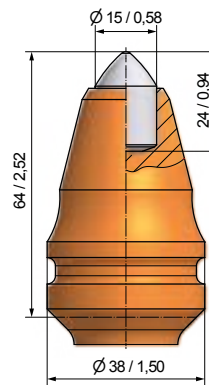
Schaftsystem Ø 25 mm / 1"



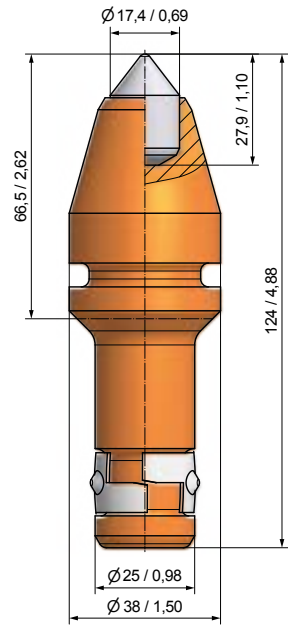
BTK01
B40K9



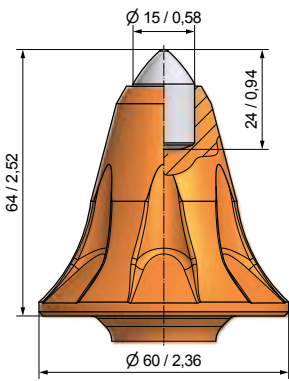
BTK03
B40HDK12



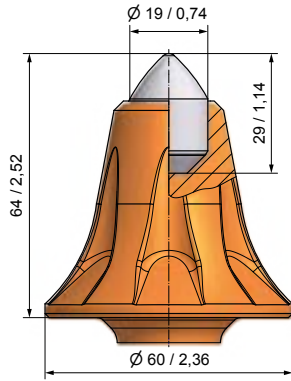
BTK10
B40HDS



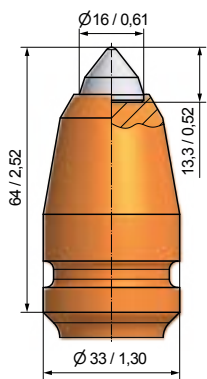
BTK70
B40K17.5



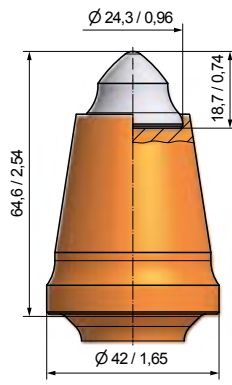
BTK81
B40HDS/60



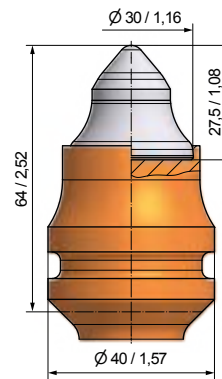
BTK89
BG25K-19.6064



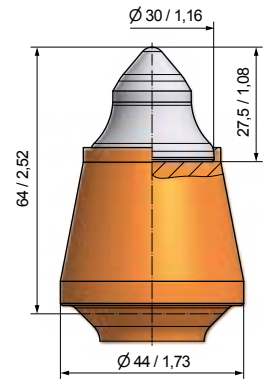
BTK16
B40/3



BTK87
B40/9



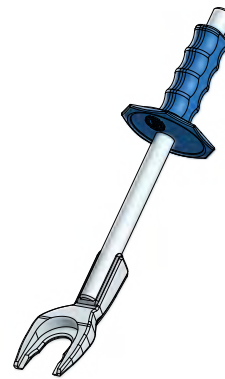
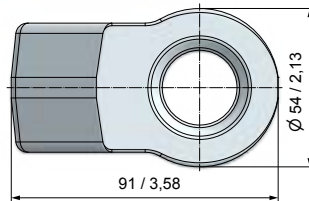
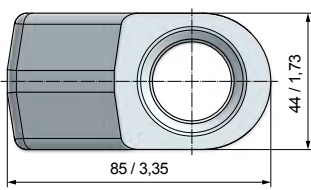
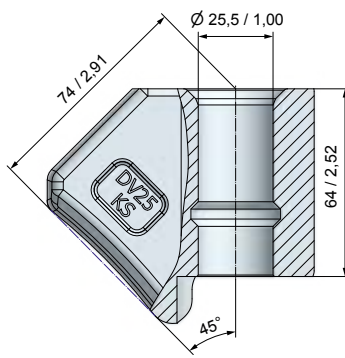
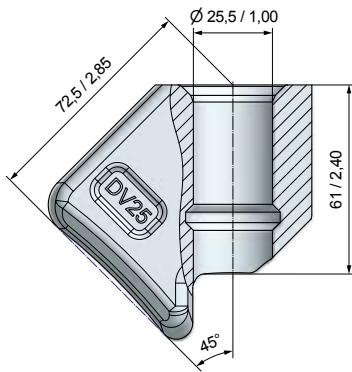
BTK23
B40HBL



BTK26
B40-J1-HBL



Schaftsystem Ø 25 mm / 1"



BHR31
DV25



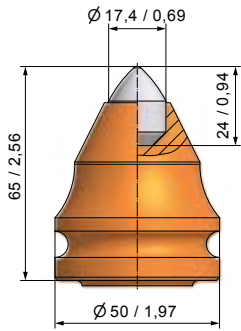
BHR121
DV25KS



BZ22
Meißelauszieher



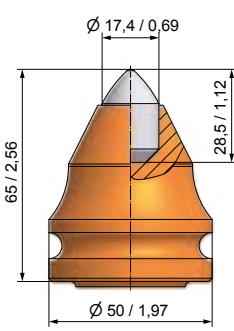
Schaftsystem Ø 38/30 mm - 1,5/1,18"



BKH140
B47K17.5-H/2



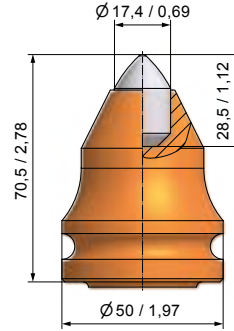
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BKH28
B47K17.5-H



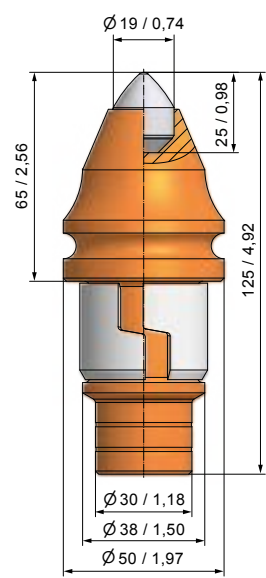
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BKH80
B47K17.5LK70-H



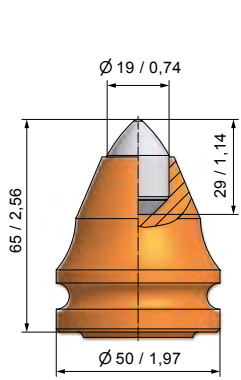
15



BKH83
B47K19-H/2



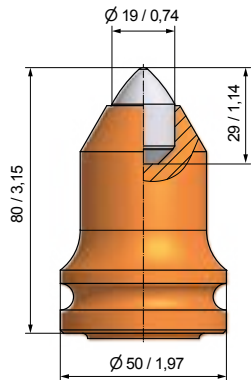
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BKH40
B47K19-H



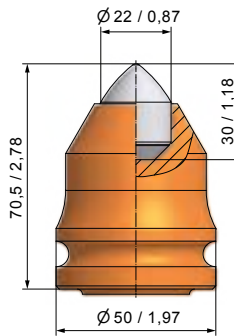
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BKH41
B47K19LK80-H



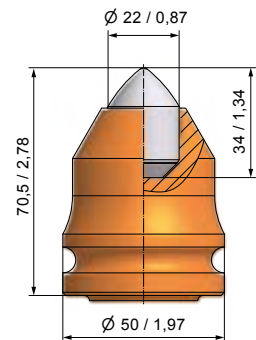
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BKH85
B47K22-H/2



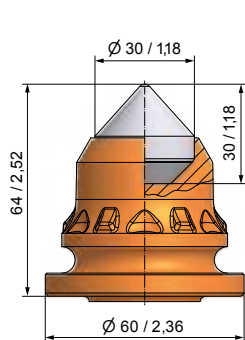
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BKH47
B47K22-H



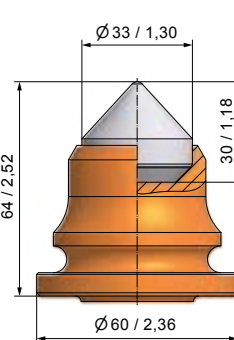
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BKH92
BS38H-30.6064



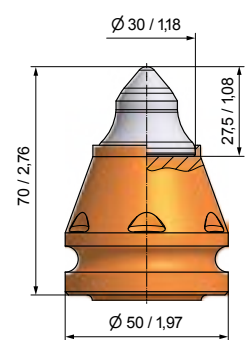
10



BKH84
B47K33/60-H



10

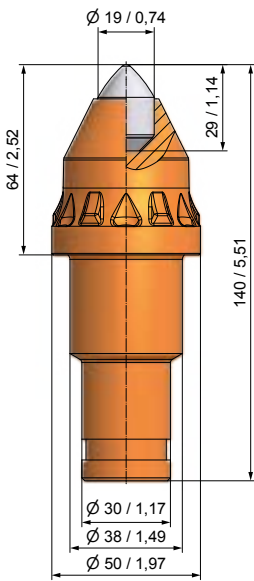


BKH101
BS38H-69.5070

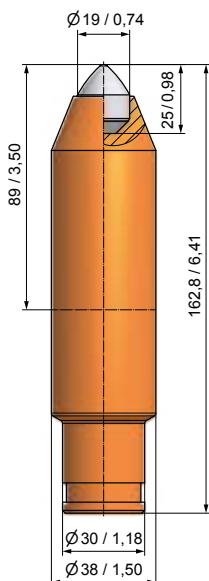


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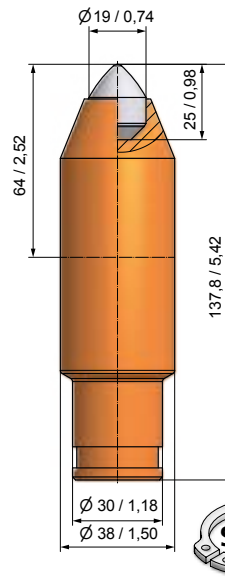
Schaftsystem Ø 38/30 mm - 1,5/1,18"



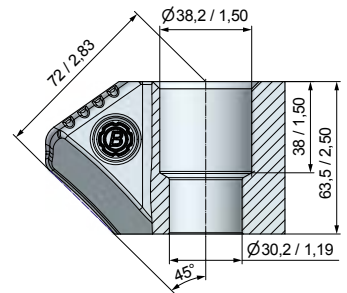
BKS154 10
BS38W-19.5064



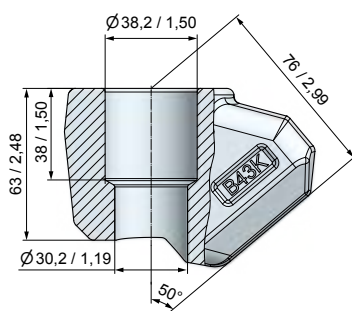
BKS186 15
BS38W-19.3889



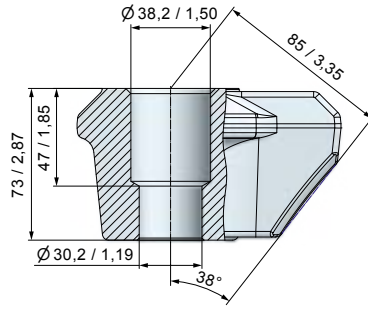
BKS187 15
BS38W-19.3864



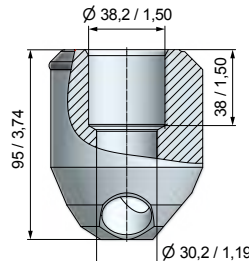
BHR38 10
B43H



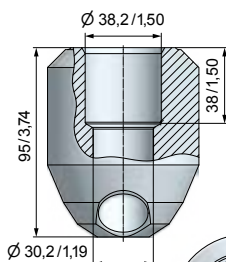
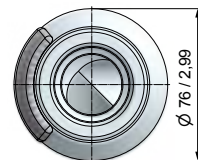
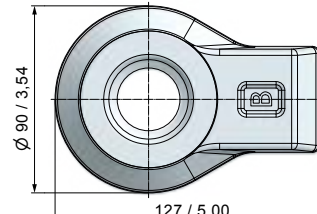
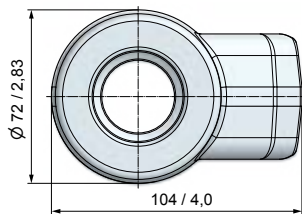
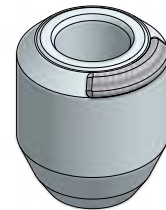
BHR113 6
B43K



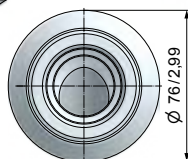
BHR77 5
B320



BHR163 6
B76/P



BHR216 6
B76



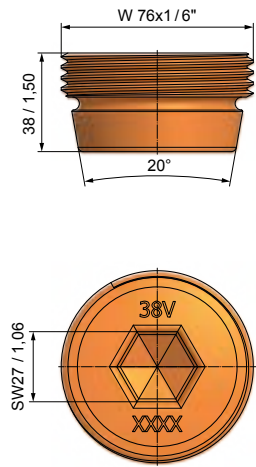
BZ12
Meißelauszieher



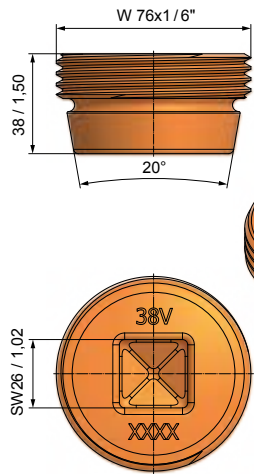
BZ18
Meißelauszieher mit Kupferscheibe



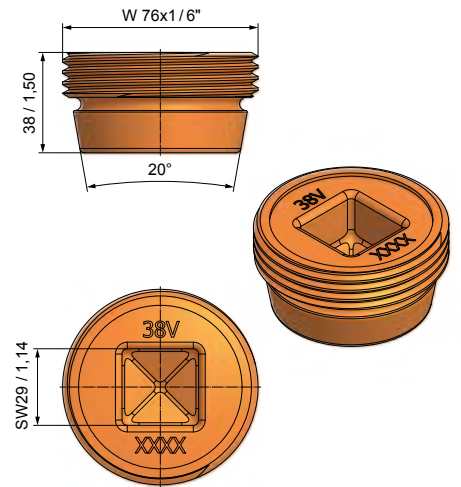
Bohrrohrverschraubungen



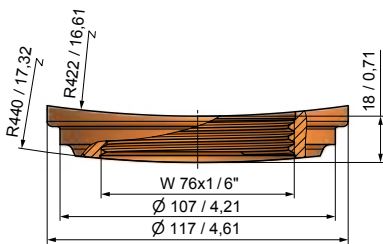
BRV08 15
BRV75/38LV



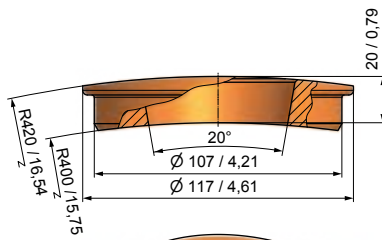
BRV10 15
BRV75/38LV/4



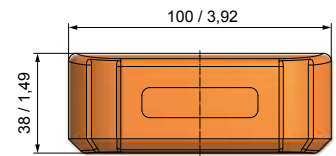
BRV23 15
BRV75/38LV/4/29



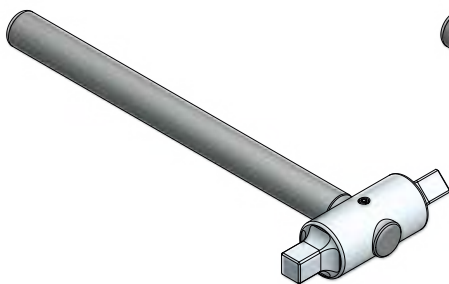
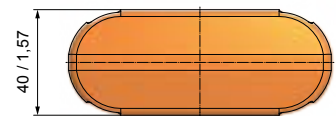
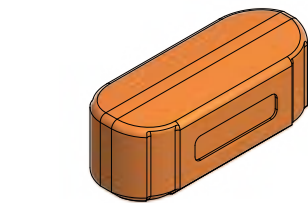
BRV02 15
BRV-G88/L



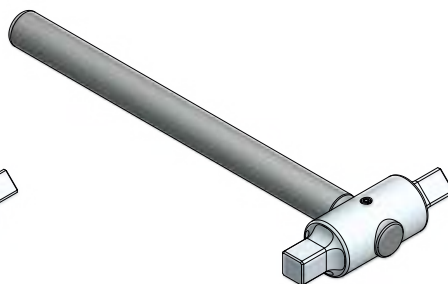
BRV03 15
BRV-K88/L



BRV32 15
BRV-AK



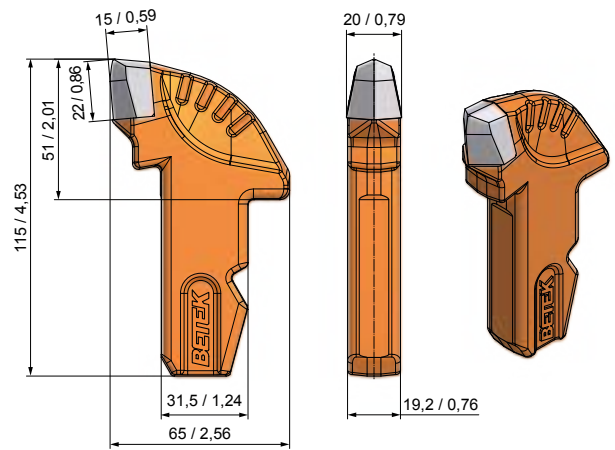
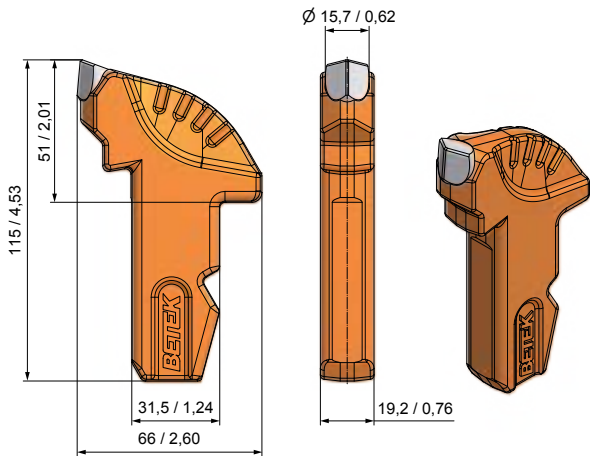
BRV34
BRVSW26



BRV35
BRVSW29

Bezeichnung	Verwendung/ Info	Artikel-Nr.
Bohrrohrverschraubungen für Wandstärke 30 mm		
BRV-G46-14	d=460	BRV19
BRV-K46-14	d=460	BRV18
BRV60/29/4	–	BRV20
Bohrrohrverschraubungen für Wandstärke 40 mm		
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
Bohrrohrverschraubungen für Wandstärke 50 mm		
BRV75/48/4	–	BRV17
BRV-G140-23	d=1400 - 1500	BRV21
BRV-K140-24,5	d=1400 - 1500	BRV22
Sonstiges		
BRV-AK	(Arretierkeil)	BRV32

Zähne für Schlitzwandfräsen

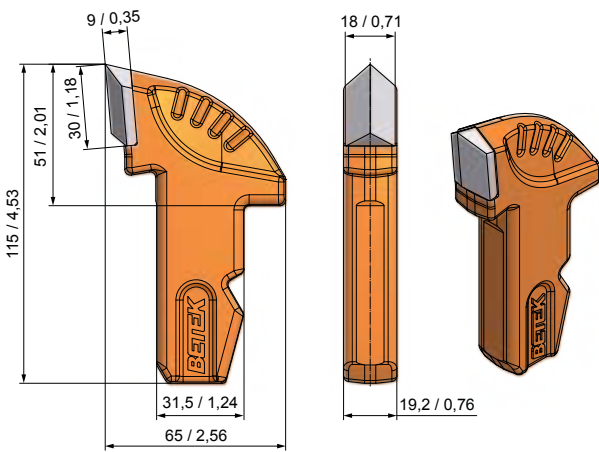


BF40
BF115x32x19

25

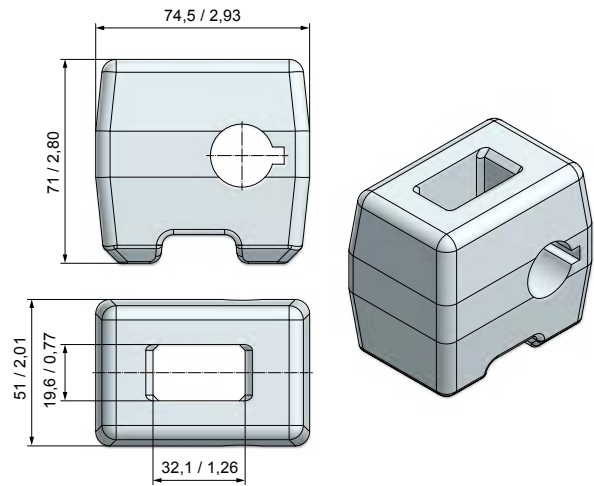
BF41
BF115x32x19/1

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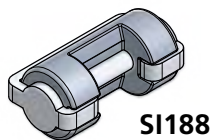
BF42
BF115x32x19/2

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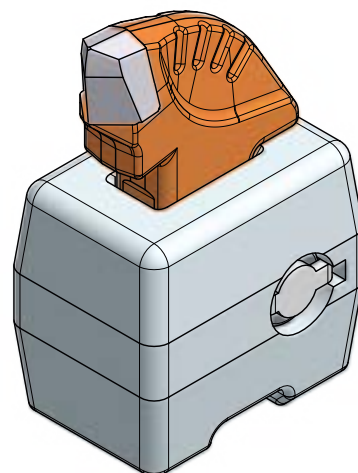


BHF15
BHF32x20

10



S1188



BETEK TungStuds mit Hartmetallkern: wirkungsvoller Verschleißschutz für Metallflächen

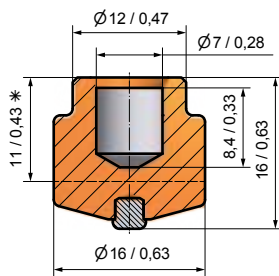
BETEK TungStuds sind an vorderster Front, wenn Material gefördert oder bearbeitet wird. Die mit Hartmetallkern ausgestatteten TungStuds kommen zuerst mit dem Fördergut in Kontakt und sind extremer Abrasion ausgesetzt. Zusätzlich zum Verschleißschutz durch die TungStuds wird das gebundene Fördergut als Materialpolster genutzt. Dadurch reduziert sich der direkte Abrieb der Metallfläche durch Materialbewegungen.

Statt teurer Ersatzteile, die aufgrund von abgenutzten Metallflächen fällig werden, müssen nur die TungStuds erneuert werden. Zudem fällt beim Einsatz von BETEK TungStuds weniger Wartungsaufwand an, da sie dank Hartmetallkern extremsten Bedingungen standhalten.

Weitere Informationen: www.betek.de/de/produktprogramm/tungstuds



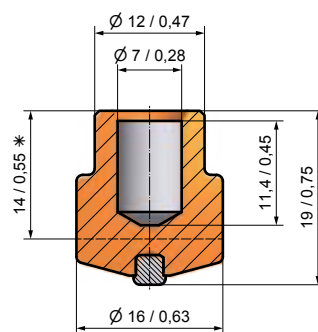
* Höhe nach dem Anschweißen



BTS01

150

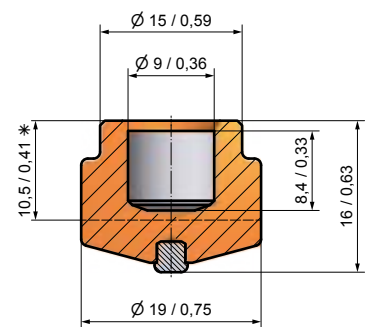
BTSD16/16



BTS02

150

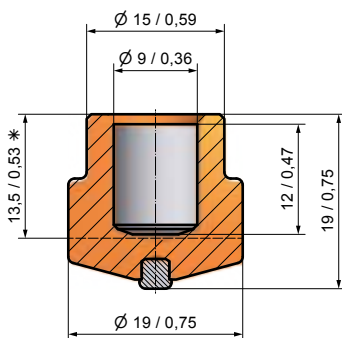
BTSD16/19



BTS03

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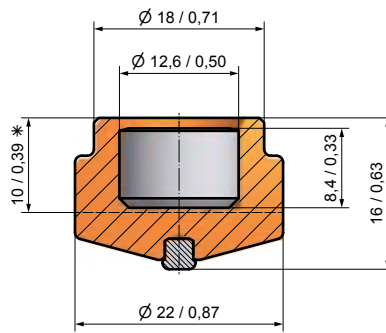
BTSD19/16



BTS04

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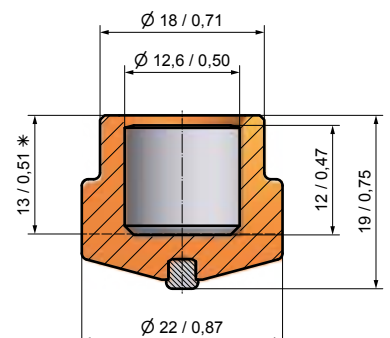
BTSD19/19



BTS05

100

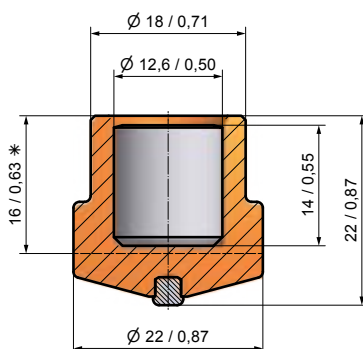
BTSD22/16



BTS06

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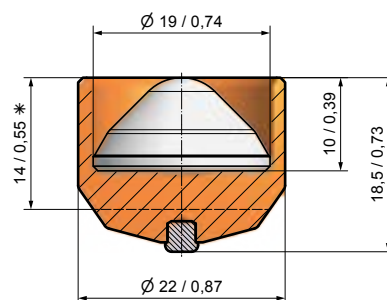
BTSD22/19



BTS07

100

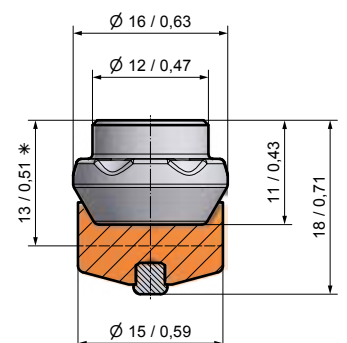
BTSD22/22



BTS08

100

BTSD22/18.5SG



BTS10B

150

BTSD16/18B



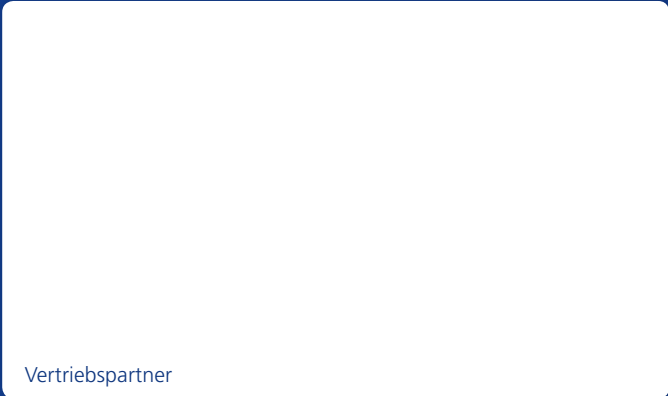
D

BETEK GmbH & Co. KG

Sulgener Str. 21 - 23
D-78733 Aichhalden

Service-Nummer + 49 (0) 74 22 / 5 65-591
Service-Fax + 49 (0) 74 22 / 5 65-122

info@betek.de
www.betek.de



Vertriebspartner

