

GRABENFRÄSEN | TRENCHING



BETEK

BETEK HARTMETALL-WERKZEUGE | BETEK TUNGSTEN CARBIDE TOOLS

SURFACE TECHNOLOGIES

Straßenfräsen
Road Milling

Surface Mining
Surface Mining

Stabilisieren
Stabilising

Brechen & Mischen
Crushing & Mixing

Gleisbau
Rail Track Construction

UNDERGROUND TECHNOLOGIES

Spezialtiefbau
Foundation Drilling

Bergbau
Mining

Tunnelbau
Tunnelling

HDD
HDD

Grabenfräsen
Trenching

TungStuds
TungStuds

Baggeranbaufräsen
Hydraulic Milling Cutters

ENVIRONMENTAL TECHNOLOGIES

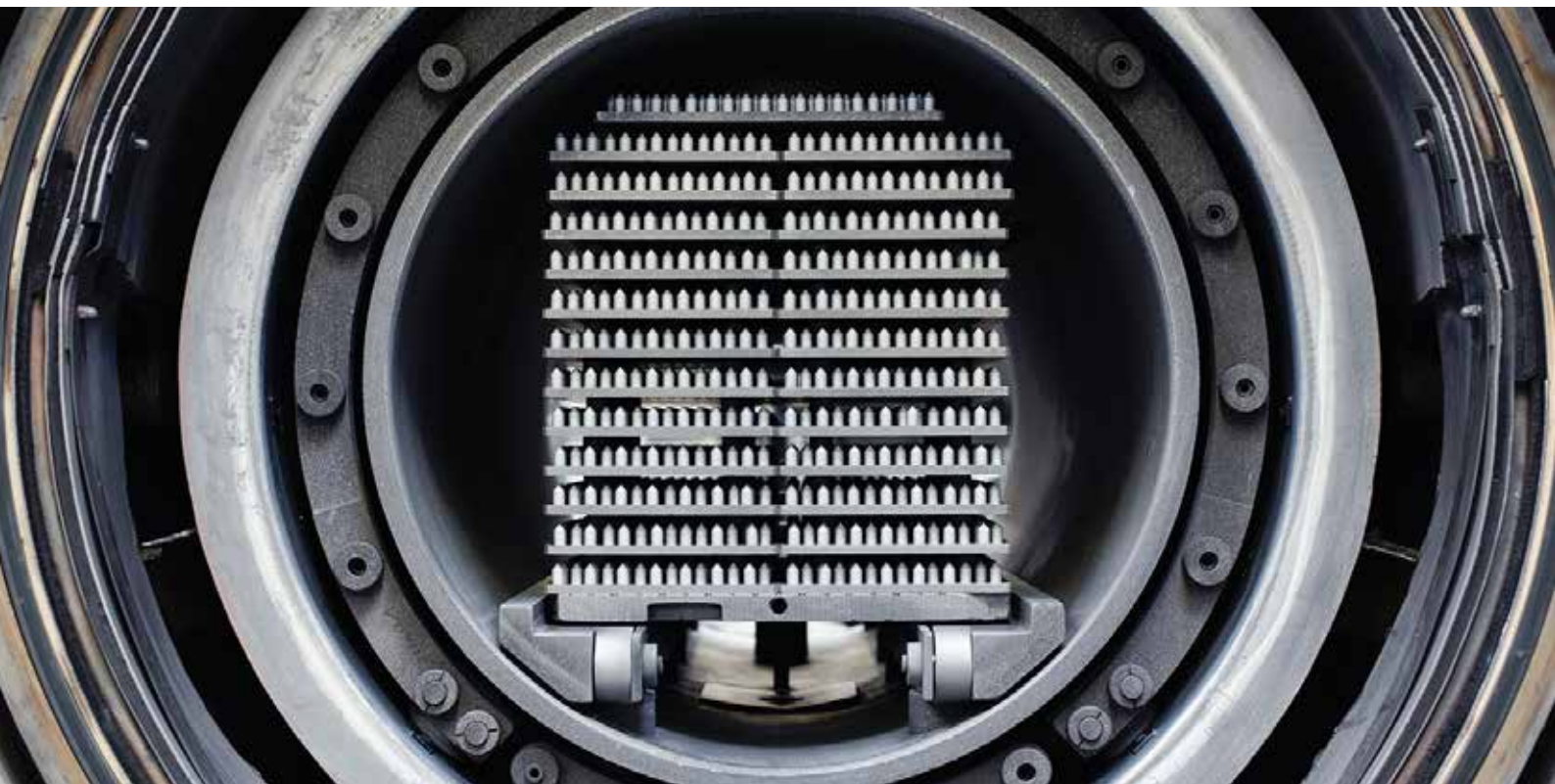
Agartechnik
Agriculture

Grader Tools
Grader Tools

Hartmetall
Cemented Carbide

Forst und Recycling
Forestry and Recycling

HARTMETALL UND STAHL | TUNGSTEN CARBIDE AND STEEL



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.

Steel and carbide are two materials with totally different expansion coefficients when subjected to heat. Nevertheless, it is of steel and tungsten carbide that our tools are made, with tungsten carbide for the wear-resistant tip, and steel for the tool shank. Since tools reach high temperatures during use, extreme tensile stresses are generated. These stresses are absorbed by a special brazing material that joins the tungsten carbide tip to the steel section.

We have developed our own methods and systems for this brazing process, which is carried out on fully automated machines with the process covered in an inert protective gas. Manufacturing parameters are fully monitored and documented to ensure consistent quality. Afterwards, brazing shear strengths are checked to ensure that our "Masters of the construction site" lose no time due to broken tools!



KUNDENSERVICE

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

ENTWICKLUNG & KONSTRUKTION

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

HARTMETALL-FERTIGUNG

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

PRODUKTIONSBEREICH LÖTEN

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

CUSTOMER SERVICE

- Cost-effective client solutions based on flexible structures
- Tailored, fast response to client requirements

DEVELOPMENT & DESIGN

- Speedy creation of samples and prototypes
- Competitive prices thanks to close collaboration with all areas of production

TUNGSTEN CARBIDE MANUFACTURING

- Raw materials of high purity used for great strength
- Consistently high, pore-free tungsten carbide quality produced through an exact process resulting from years of experience and know-how

THE SOLDERING SIDE OF PRODUCTION

Production equipment and processes specially developed to the utmost degree of perfection by experts in combining tungsten carbide and steel



AUTOMATISIERUNG

Wettbewerbsfähigkeit auf dem Weltmarkt durch einen hohen Automatisierungsgrad und flexible Fertigungsanlagen

QUALITÄTSSICHERUNG

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

TRAINING

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

LOGISTIK

kurzfristige Reaktionsmöglichkeiten durch

- Einsatz modernster EDV und optimale Logistikvernetzung
- Lagerhaltung von Standardprodukten

AUTOMATION

Able to compete on the world market by virtue of a high degree of automation and flexible manufacturing plants

QUALITY ASSURANCE

Permanent checking of quality in accordance with DIN ISO 9001:2000 and DIN EN ISO 14001 along the entire production chain all the way to the construction site

TRAINING

User training sessions at Betek or on the construction site itself to ensure long-term economic success and client satisfaction

LOGISTICS

Able to react quickly thanks to:

- The use of cutting edge IT and optimum logistics links
- Standard products kept in store

DAS WERKZEUG FÜR IHRE ANWENDUNG | THE TOOL FOR YOUR APPLICATION



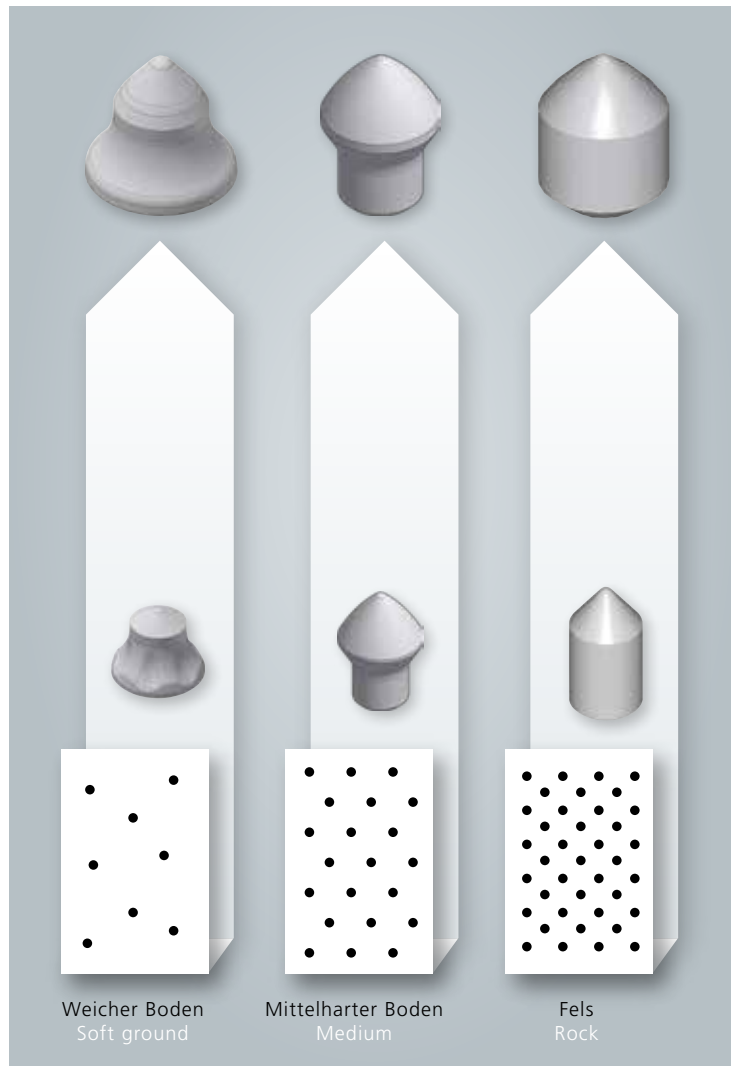
hohe
Maschinenleistung

high machine
productivity

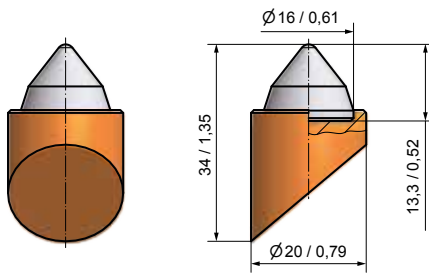


geringe
Maschinenleistung

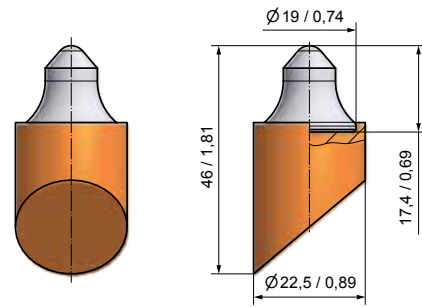
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productivity



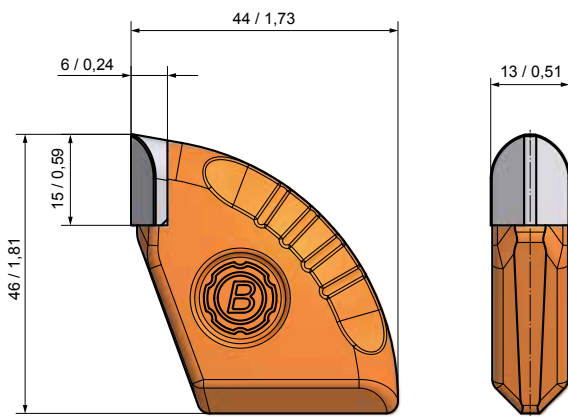
ANSCHWEISSZÄHNE | WELD-ON TEETH



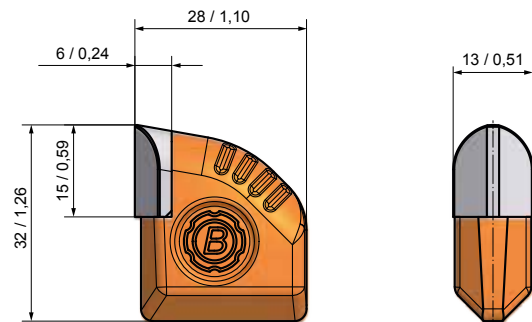
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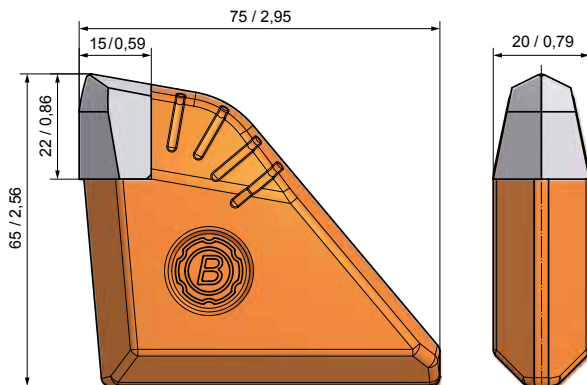
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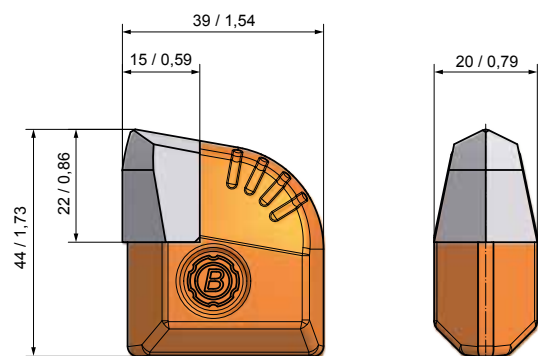
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BFZ321 BFZ32x27x13



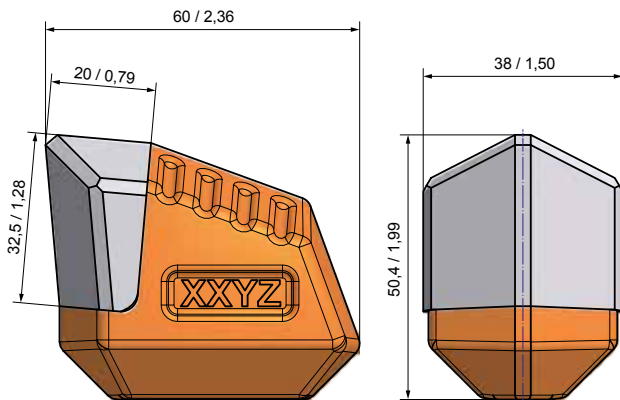
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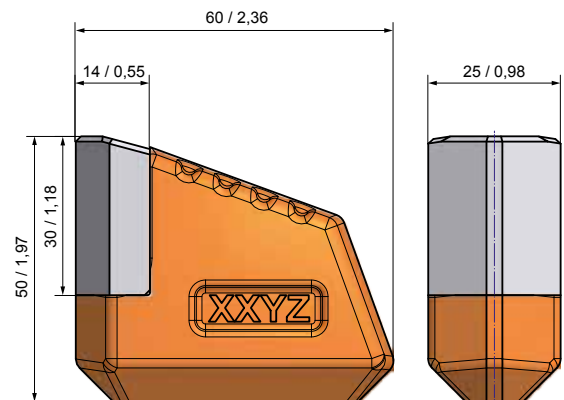
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ANSCHWEISSZÄHNE | WELD-ON CUTTER



BFZ326 BFZ38/M



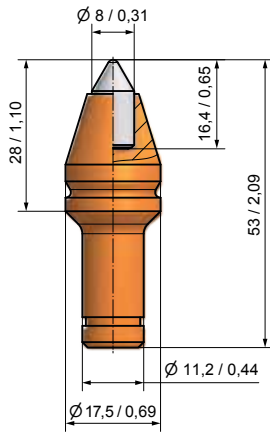
BBM75 BBM25x50



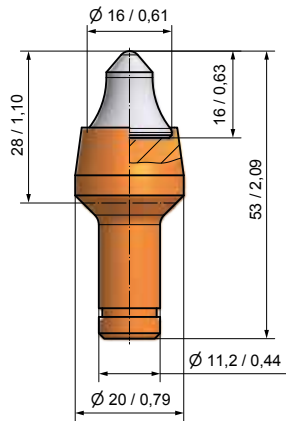
RUNDSCHAFTMEISSEL SCHAFTSYSTEM
ROUND SHANK CUTTER BITS SHANK SYSTEM | Ø 11,2 MM/0,44"



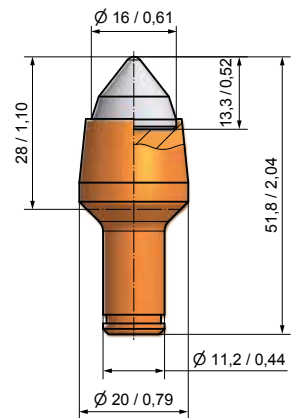
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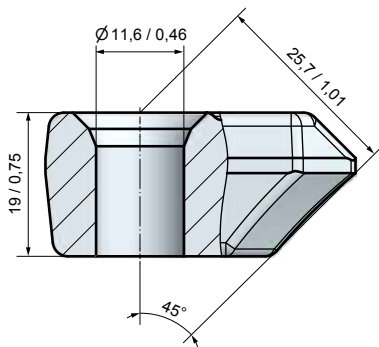
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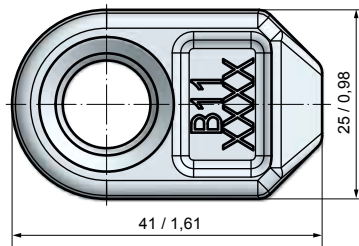
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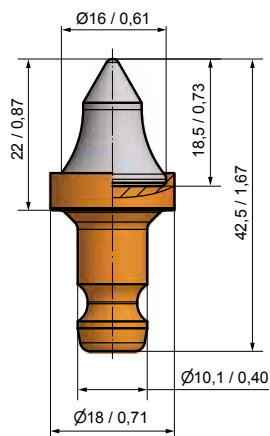
BM46 BM3-11.3



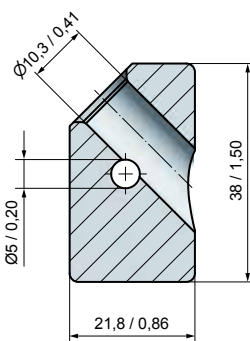
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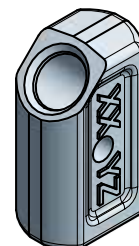
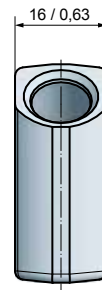
RUNDSCHAFTMEISSEL SCHAFTSYSTEM
ROUND SHANK CUTTER BITS SHANK SYSTEM | Ø 10,1 MM/0,40"



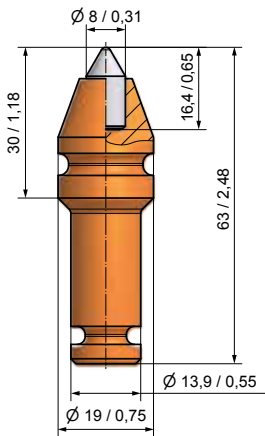
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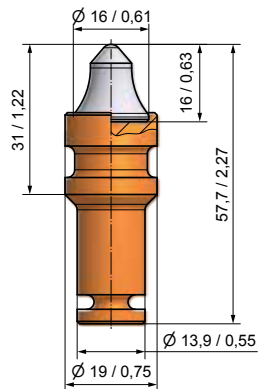
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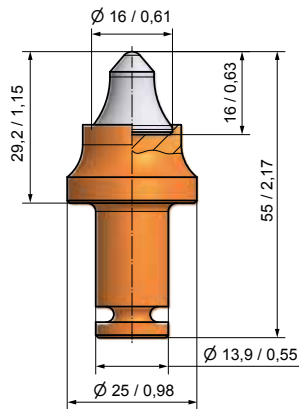
SCHAFTSYSTEM | SHANK SYSTEM | Ø 14 MM/0,55"



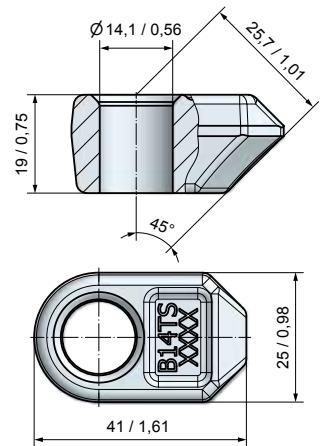
BM84 BM8-14



BM44 BM4-14



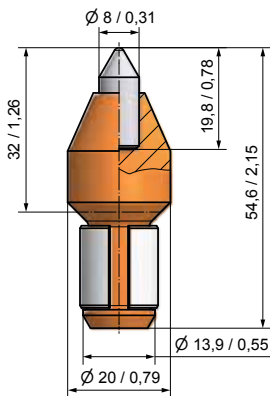
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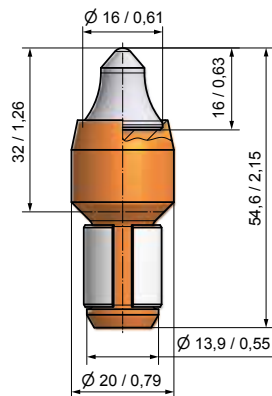
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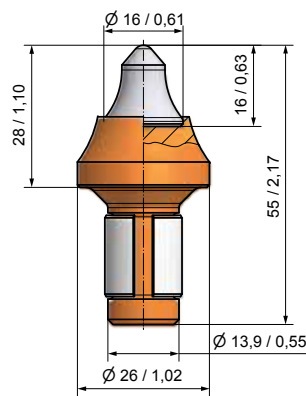
SCHAFTSYSTEM | SHANK SYSTEM | Ø 14 MM/0,55"



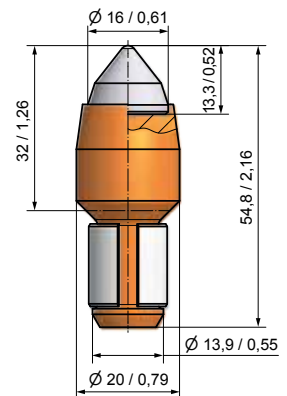
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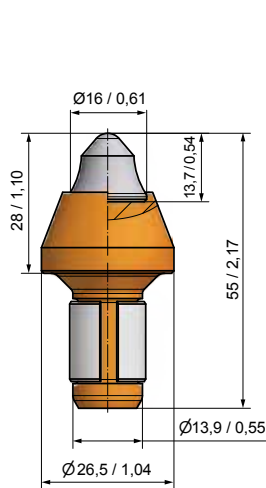
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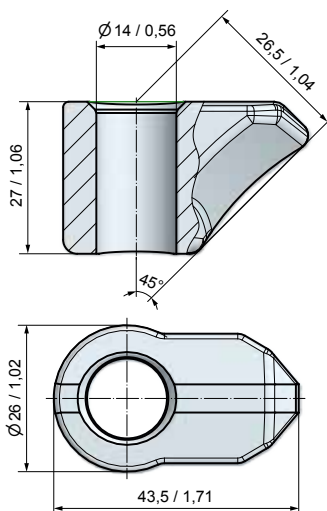
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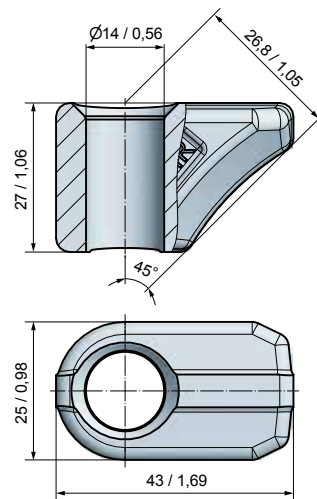
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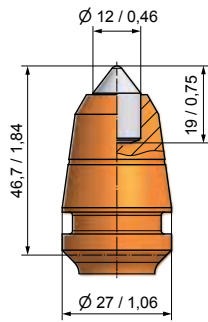
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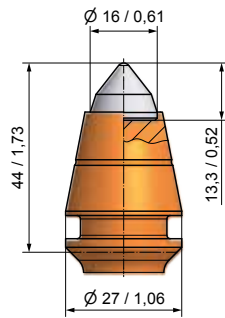
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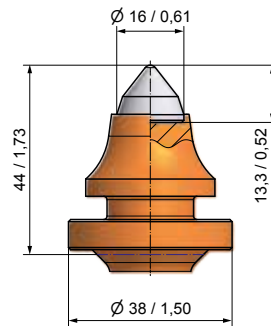
SCHAFTSYSTEM | SHANK SYSTEM | Ø 18,7 MM/0,74"



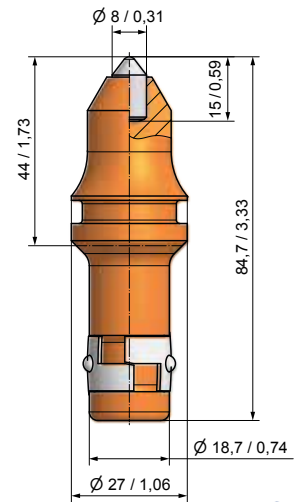
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BTR03 B43/3



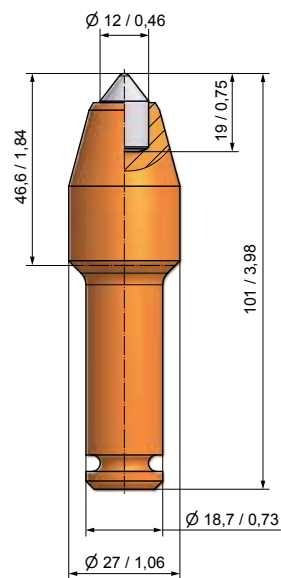
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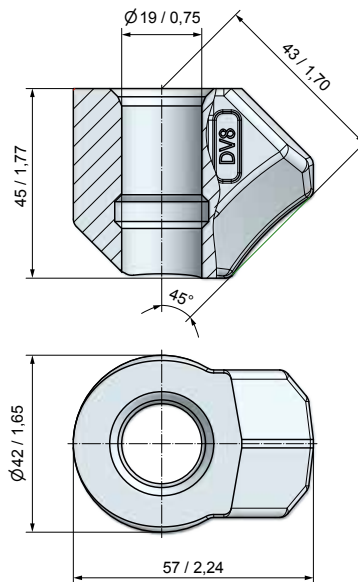
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SCHAFTSYSTEM | SHANK SYSTEM | Ø 18,7 MM/0,74"



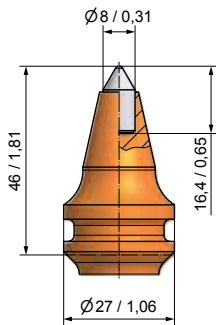
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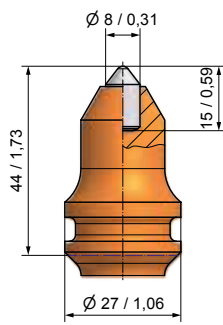
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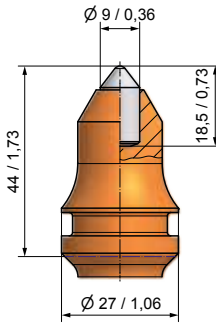
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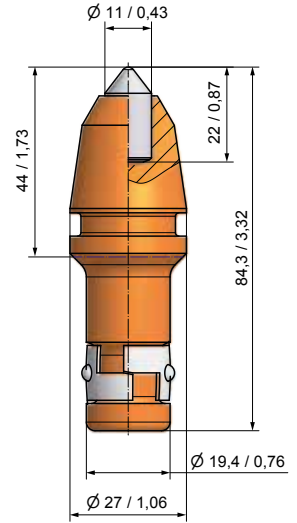
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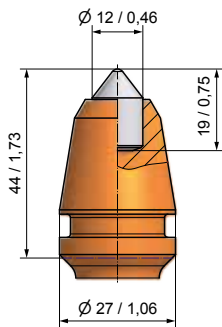
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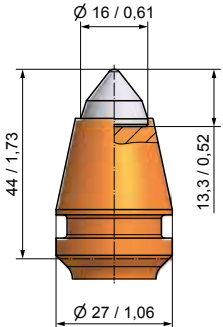
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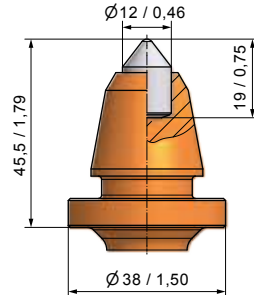
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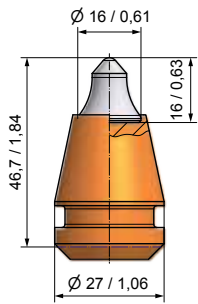
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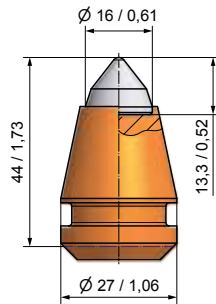
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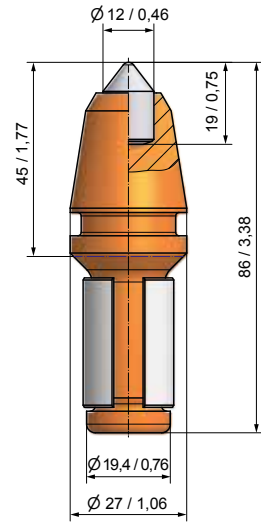
SCHAFTSYSTEM | SHANK SYSTEM | Ø 19,4 MM/0,76"



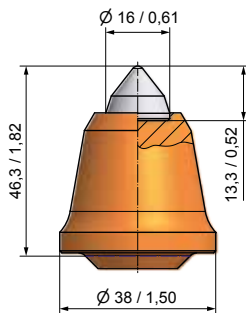
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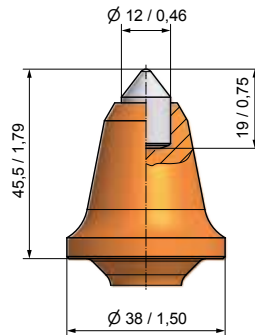
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BSH05 B1HDK12



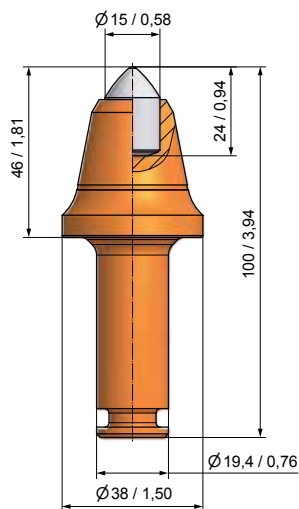
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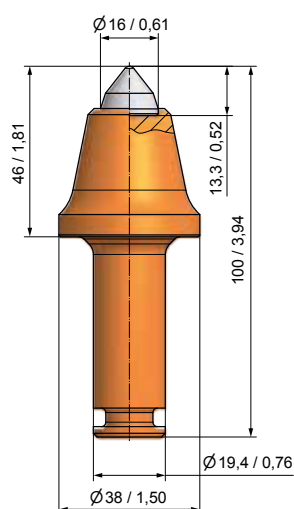
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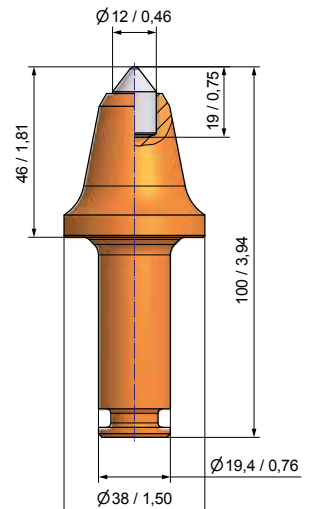
SCHAFTSYSTEM | SHANK SYSTEM | Ø 19,4 MM/0,76"



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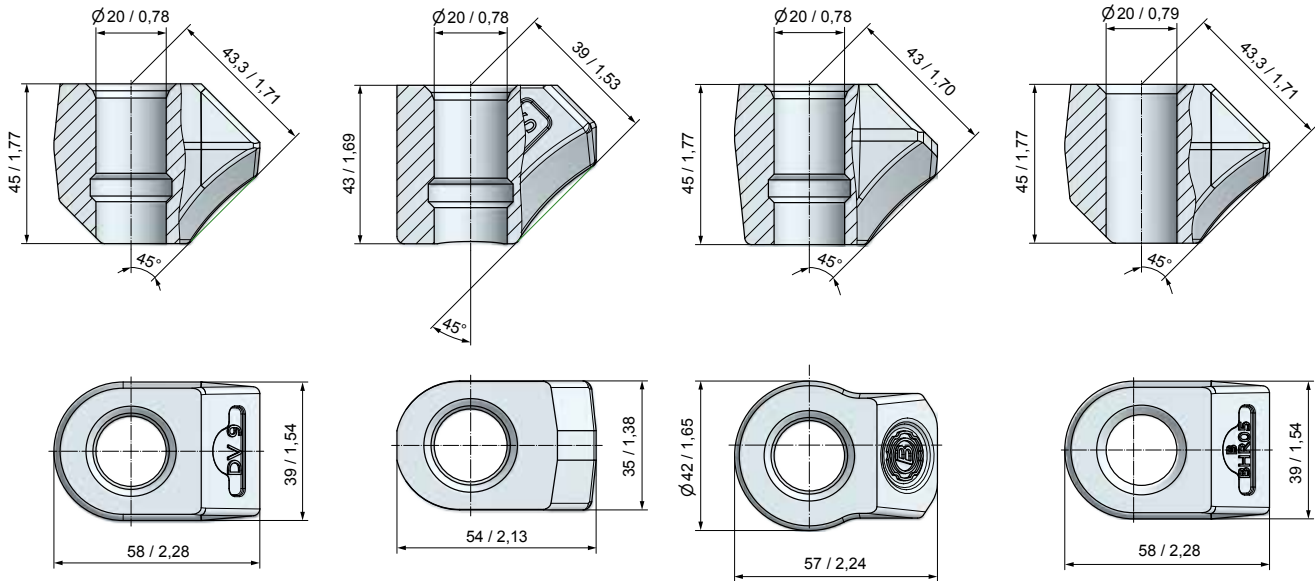
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BC82 BG20F-12.3846



SCHAFTSYSTEM | SHANK SYSTEM | $\varnothing 19,4 \text{ MM} / 0,76''$



BHR07 DV9



BHR164 DV9-S



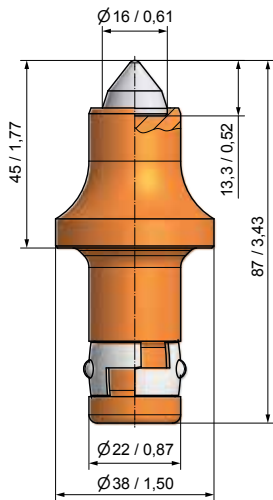
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BHR05 B10



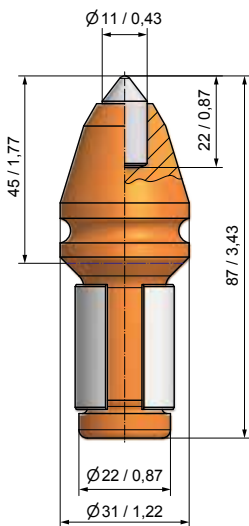
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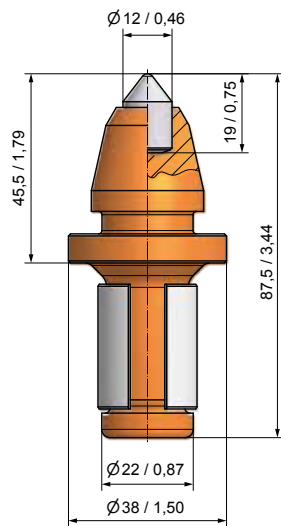
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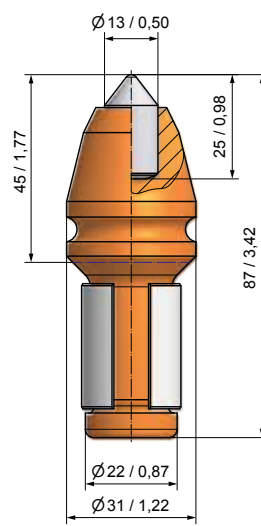
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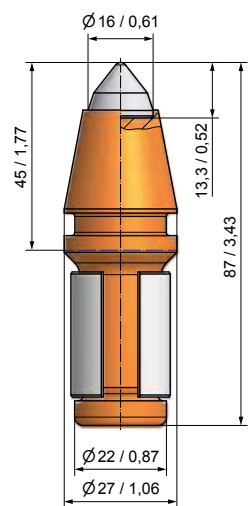
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BC60 B1-12/22



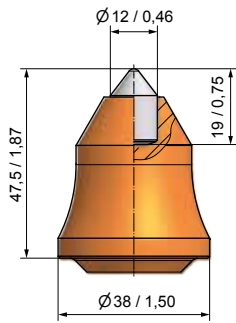
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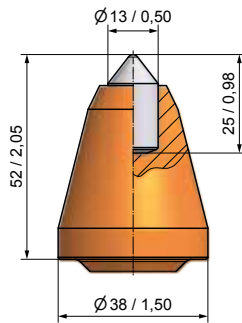
BC49 B3/22



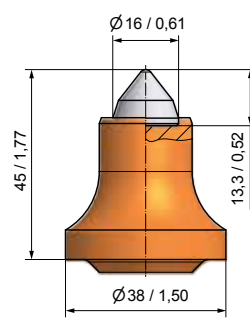
SCHAFTSYSTEM | SHANK SYSTEM | $\varnothing 22 \text{ MM} / 0,87''$



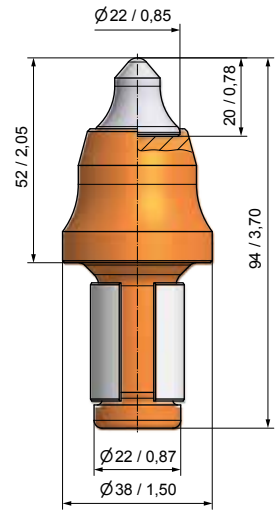
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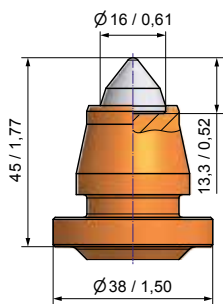
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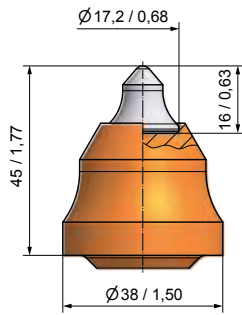
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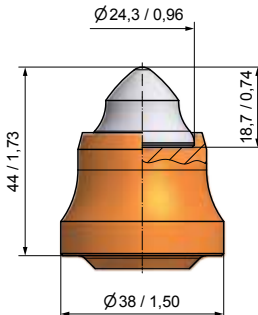
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BC81 BG22H-60.3845



BC04 B5S/22



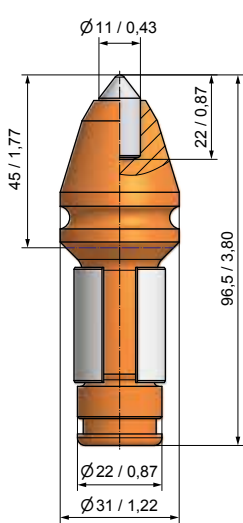
BC43 B9/22



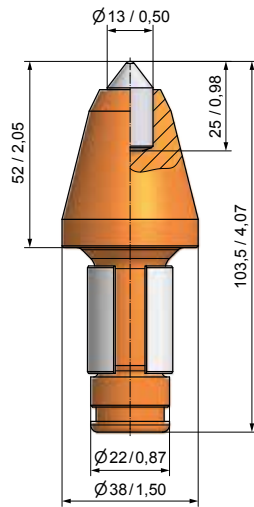
SCHAFTSYSTEM | SHANK SYSTEM | Ø 22 MM/0,87"



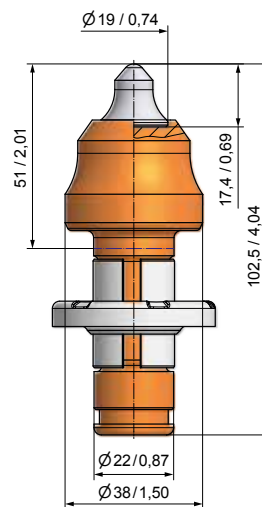
SR61



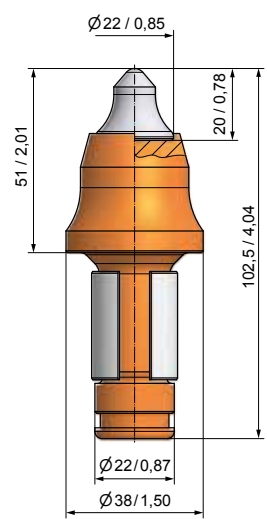
BC01 B1HDK11/22S



BC15 B1HD38/13/22/S



BC61 B6V/22/S



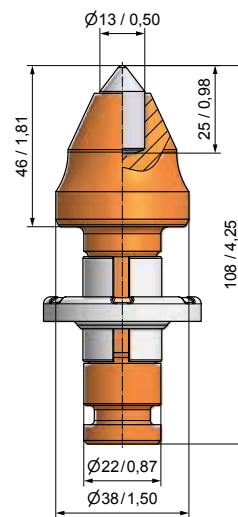
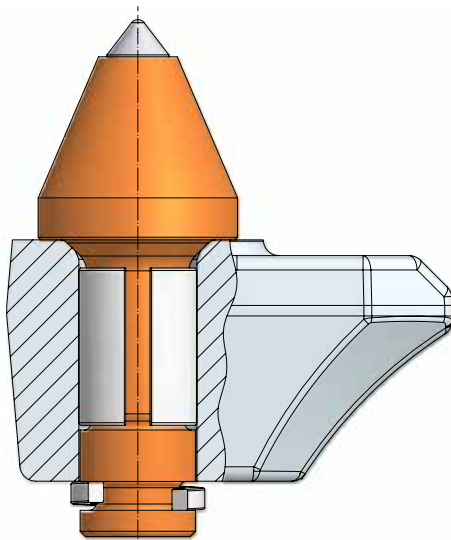
BC44 B8/22-S



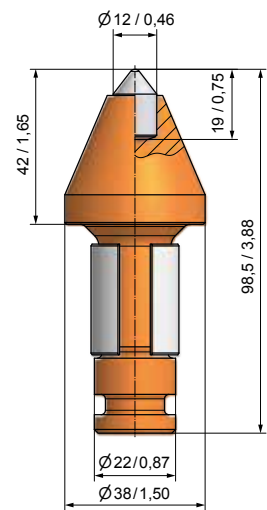
SCHAFTSYSTEM | SHANK SYSTEM | Ø 22 MM/0,87"



SI26



BC79 BG22HF-13.3851

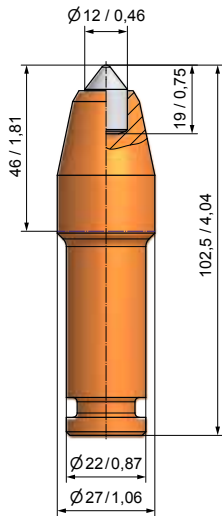


BC36 B1-12/22/SI26

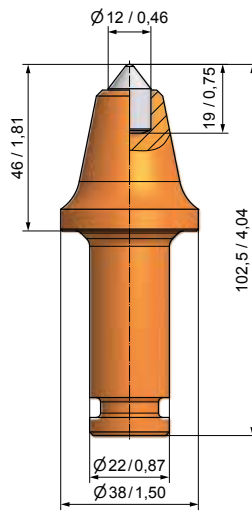


SCHAFTSYSTEM | SHANK SYSTEM | $\varnothing 22 \text{ MM}/0,87''$

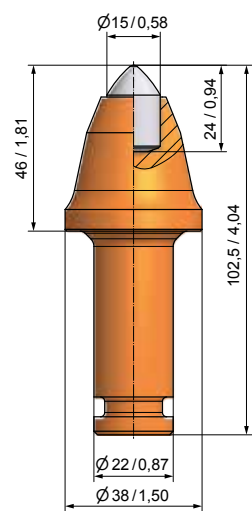

SI26



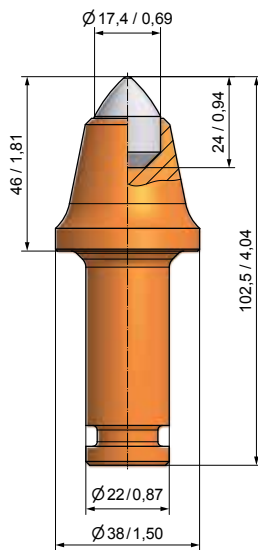
BC39 B1-12KS22



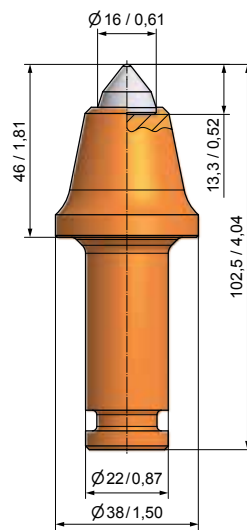
BC62 B1-12/38KS22



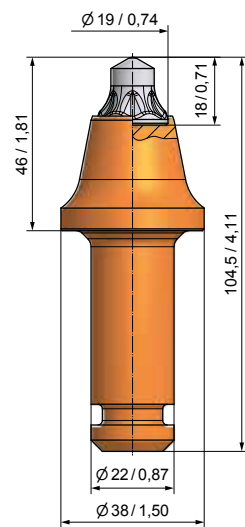
BC77 BG22F-15.3846



BC56 B1-17KS22



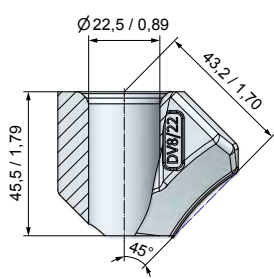
BC33 B3KS22



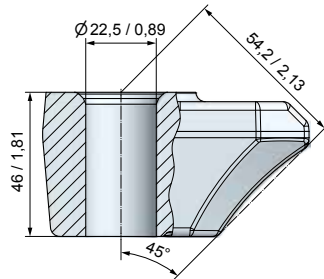
BC78 BG22F-65.3846



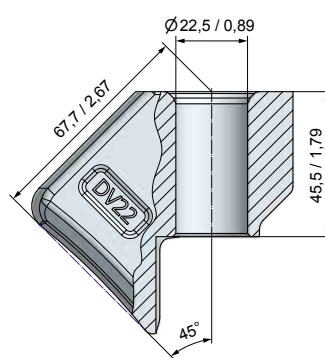
SCHAFTSYSTEM | SHANK SYSTEM | Ø 22 MM/0,87"



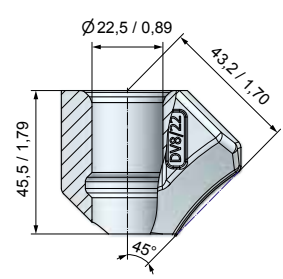
BHR27 DV8/22



BHR120 B22S



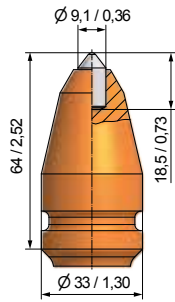
BHR30 DV22



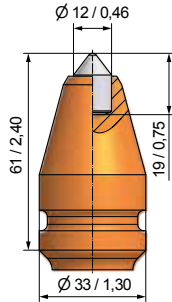
BHR176 DV8/22-K



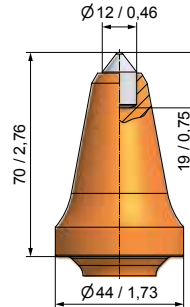
SCHAFTSYSTEM | SHANK SYSTEM | Ø 25 MM/1 "



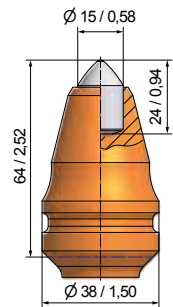
BTK01
B40K9



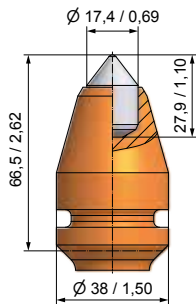
BTK03
B40HDK12



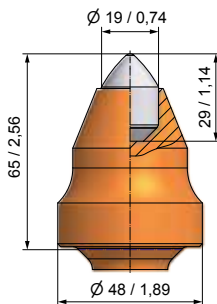
BTK141
BG25K-12.4470A



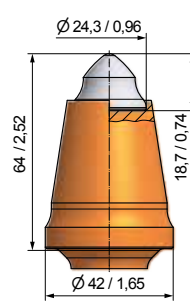
BTK10
B40HDS



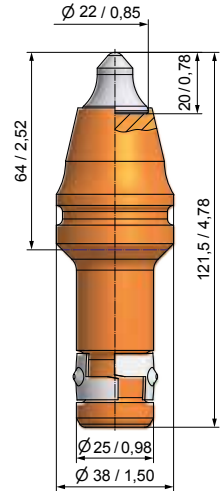
BTK70
B40K17,5



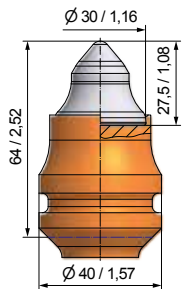
BTK54
B40HDS19



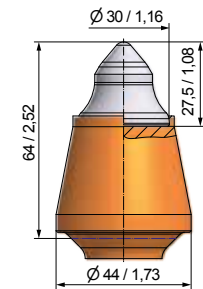
BTK87
B40/9



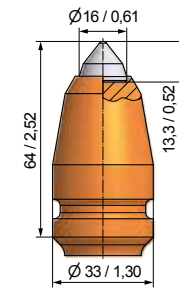
BTK20
BG25K-67.3864



BTK23 B40HBL



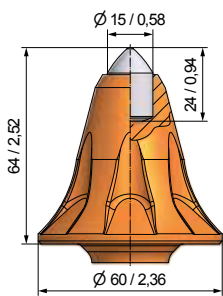
BTK26 B40-J1-HBL



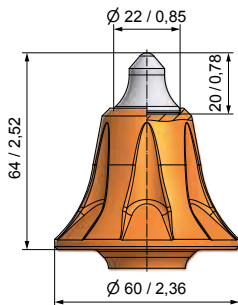
BTK16 B40/3



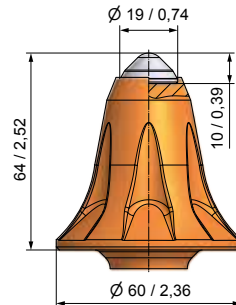
SCHAFTSYSTEM | SHANK SYSTEM | Ø 25 MM/1"



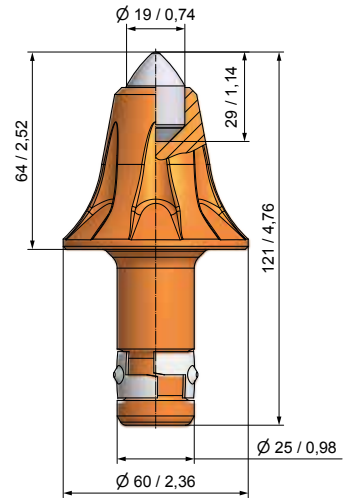
BTK81 B40HDS/60



BTK80 B4022/60



BTK82 B40SG/60



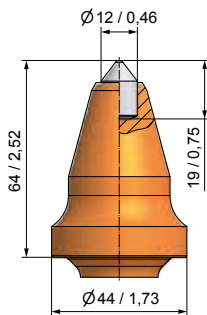
BTK89 BG25K-19.6064



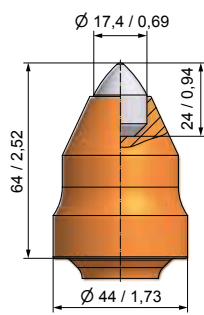
SCHAFTSYSTEM | SHANK SYSTEM | Ø 25 MM/1"



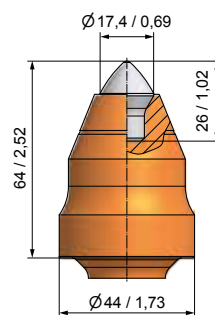
S179 / K



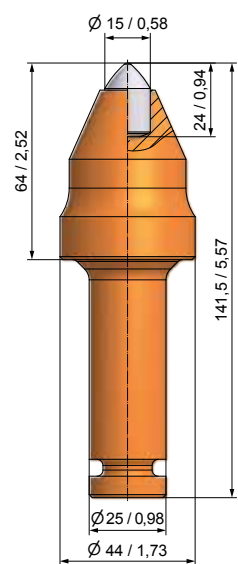
BTK142
BG25F-12.4464A



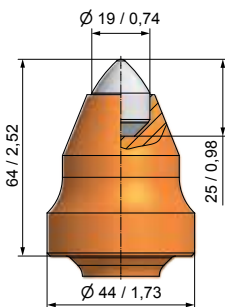
BTK11
BG25F-17.4464



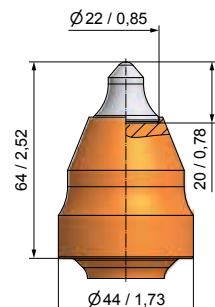
BTK135
BG25F-70.4464



BTK29
BG25F-15.4464



BTK14
BG25F-19.4464



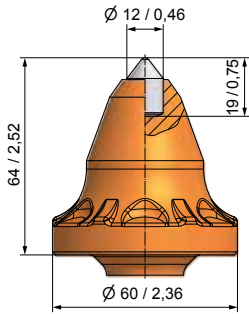
BTK43
BG25F-67.4464



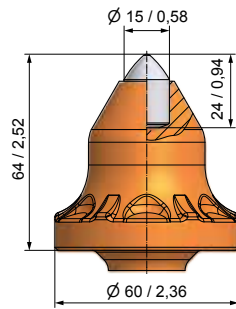
SCHAFTSYSTEM | SHANK SYSTEM | Ø 25 MM/1 "
KOPFLÄNGE | GAUGE | 64 MM/2,5 "



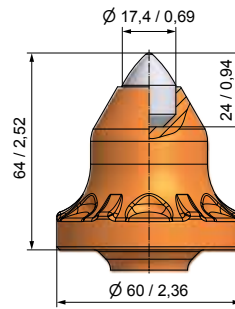
SI79 / K



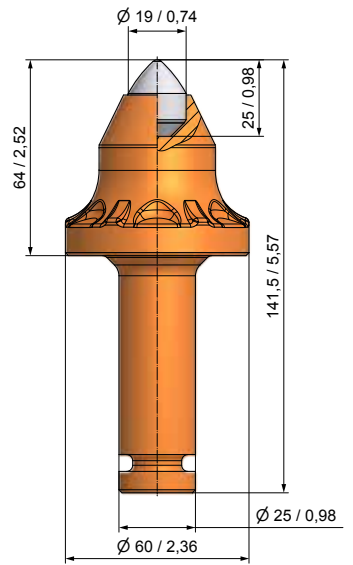
BTK114
BG25F-12.6064



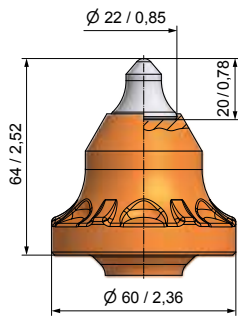
BTK120
BG25F-15.6064



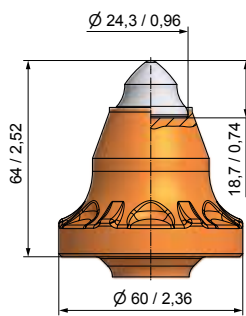
BTK121
BG25F-17.6064



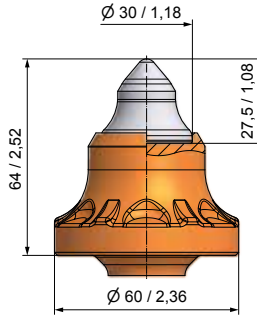
BTK122
BG25F-19.6064



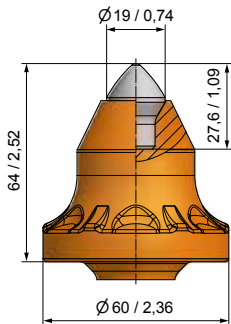
BTK123
BG25F-22.6064



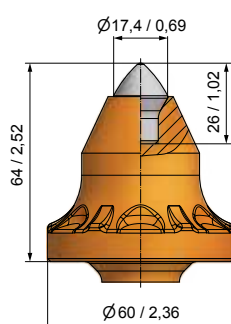
BTK124
BG25F-24.6064



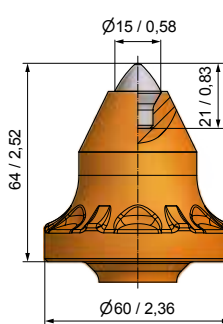
BTK125
BG25F-30.6064A



BTK143
BG25F-19.6064



BTK150
BG25F-17.6064



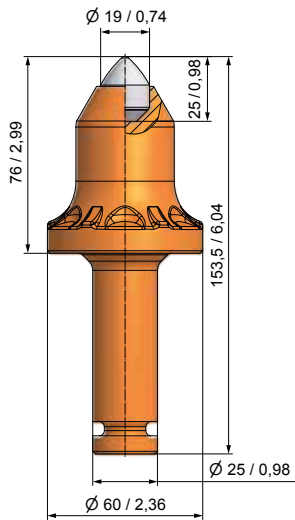
BTK151
BG25F-15.6064



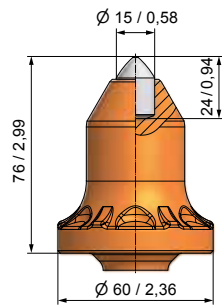
SCHAFTSYSTEM | SHANK SYSTEM | Ø 25 MM/1 "
KOPFLÄNGE | GAUGE | 76 MM/3,0 "



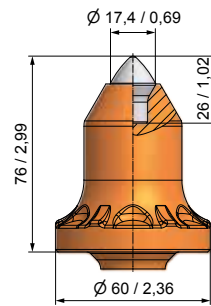
SI79 / K



BTK113
BG25F-15.6076



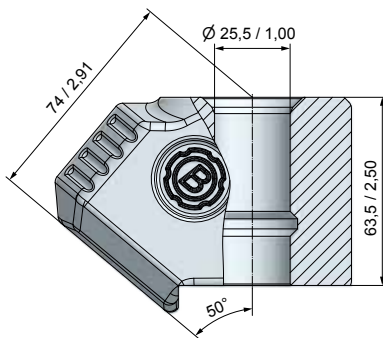
BTK126
BG25F-70.6076A



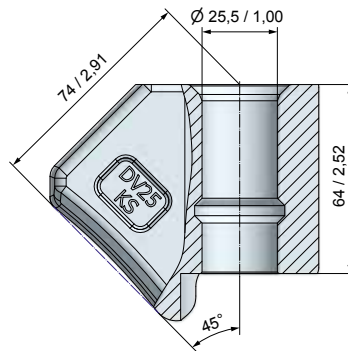
BTK127
BG25F-19.6076A



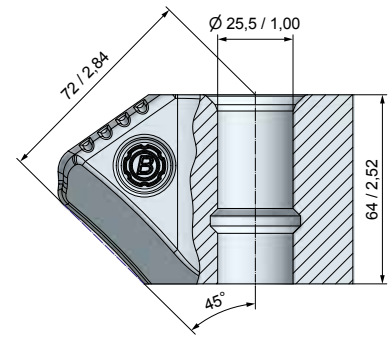
SCHAFTSYSTEM | SHANK SYSTEM | Ø 25 MM/1 "



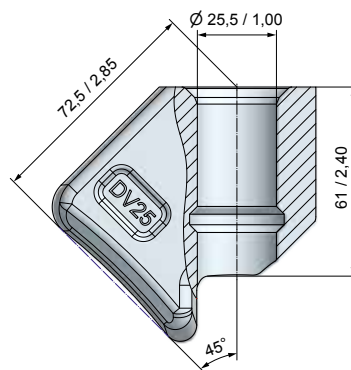
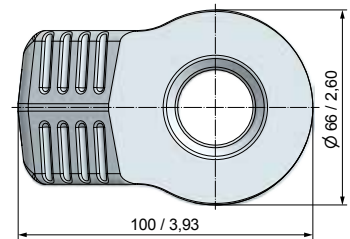
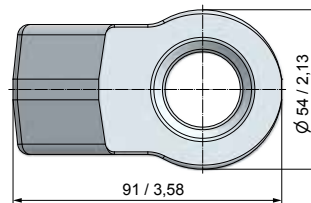
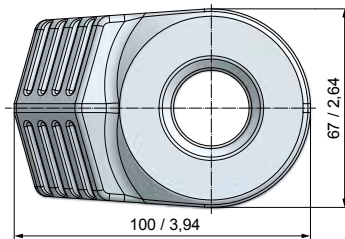
BHR186 B25.6750



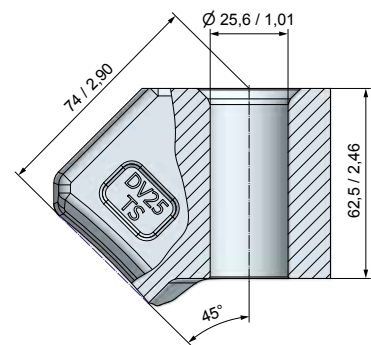
BHR121 DV25KS



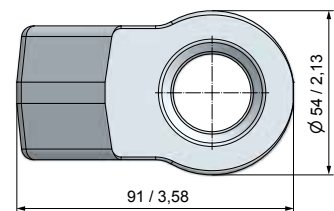
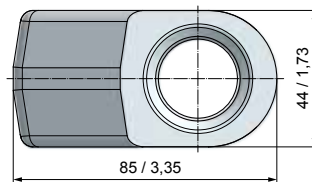
BHR34 DV40VS



BHR31 DV25



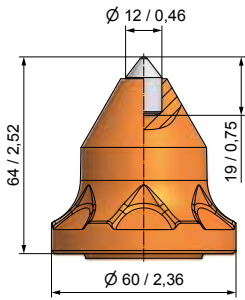
BHR145 DV25TS



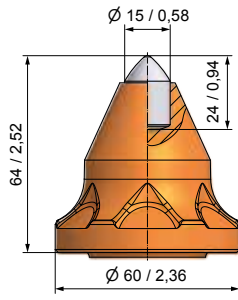
SCHAFTSYSTEM | SHANK SYSTEM | Ø 38/30 MM - 1,5/1,18"
KOPFLÄNGE | GAUGE | 64 MM/2,5"



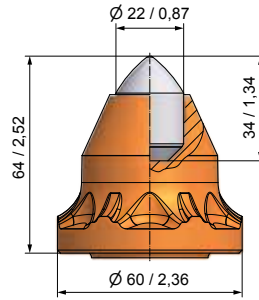
SR83/1



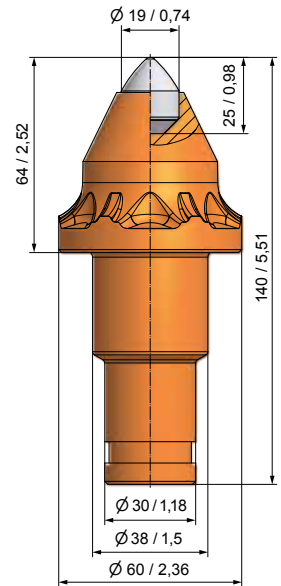
BKS165
BS38W-12.6064A



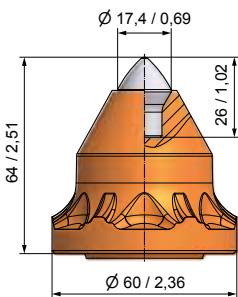
BKS144
BS38W-15.6064



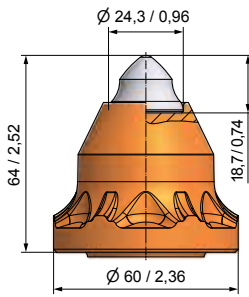
BKS162
BS38W-22.6064



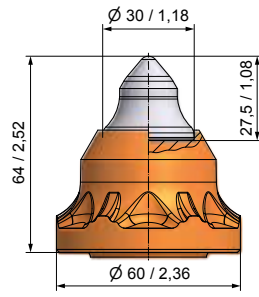
BKS151
BS38W-19.6064



BKS163
BS38W-70.6064



BKS160
BS38W-68.6064



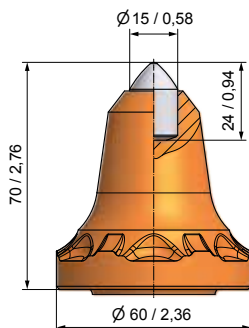
BKS161
BS38W-69.6064



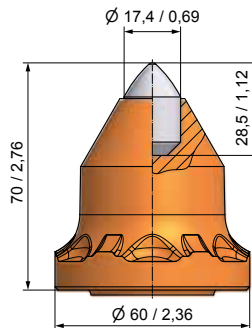
SCHAFTSYSTEM | SHANK SYSTEM | Ø 38/30 MM - 1,5/1,18"
KOPFLÄNGE | GAUGE | 70 MM/2,75"



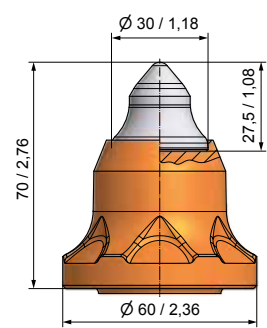
SR83/1



BKS168
BS38W-15.6070



BKS166
BS38W-17.6070



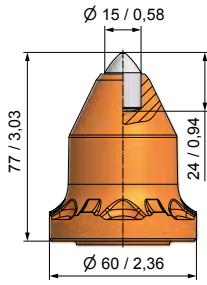
BKS167
BS38W-69.6070A



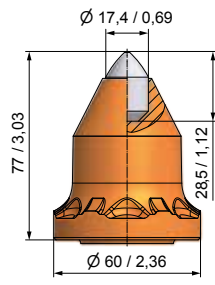
SCHAFTSYSTEM | SHANK SYSTEM | Ø 38/30 MM - 1,5/1,18 "
KOPFLÄNGE | GAUGE | 77 MM/3,0 "



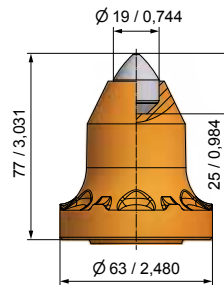
SR83/1



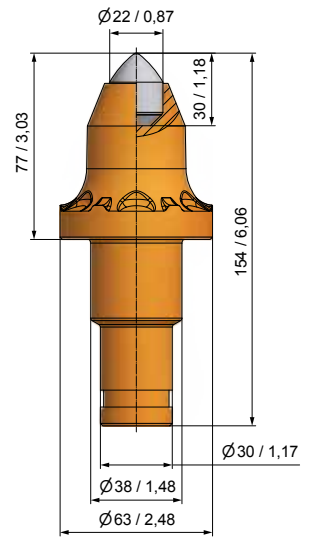
BKS169
BS38W-15.6077A



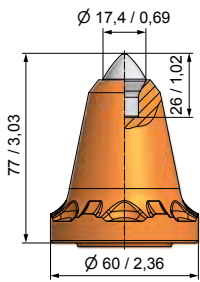
BKS171
BS38W-17.6077



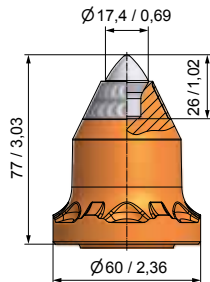
BKS172
BS38W-19.6377



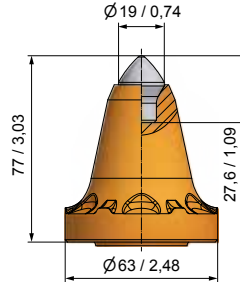
BKS170
BS38W-22.6377



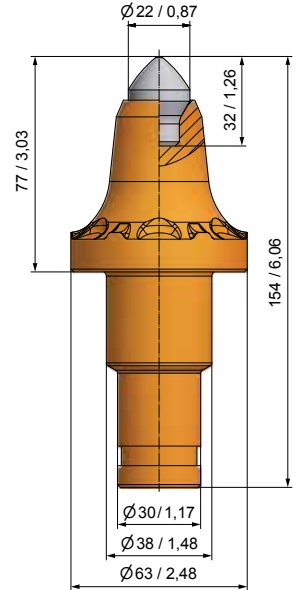
BKS174
BS38W-70.6077



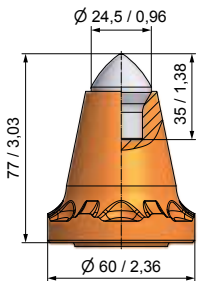
BKS193
BS38W-70.6077P



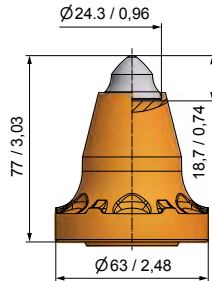
BKS175
BS38W-72.6377



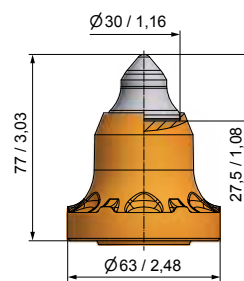
BKS158
BS38W-73.6377



BKS176
BS38W-71.6077



BKS178
BS38W-68.6377



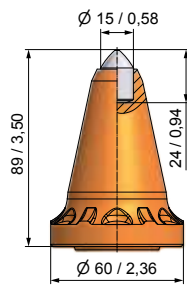
BKS177
BS38W-69.6377A



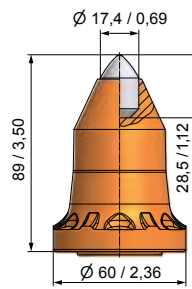
SCHAFTSYSTEM | SHANK SYSTEM | Ø 38/30 MM - 1,5/1,18 "
KOPFLÄNGE | GAUGE | 89 MM/3,5 "



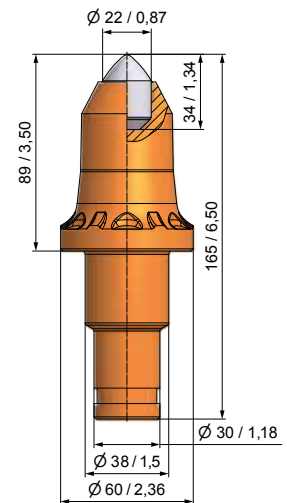
SR83/1



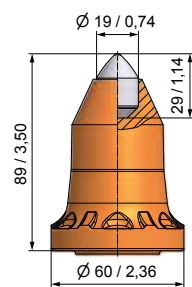
BKS179
BS38W-15.6089



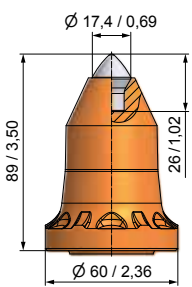
BKS180
BS38W-17.6089



BKS183
BS38W-22.6089



BKS181
BS38W-19.6089



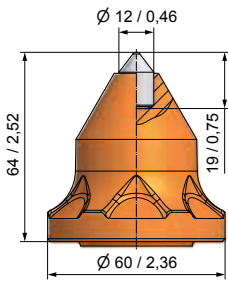
BKS182
BS38W-70.6089



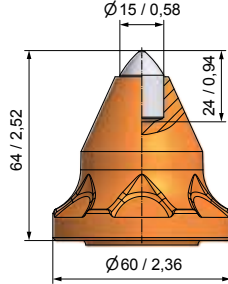
SCHAFTSYSTEM | SHANK SYSTEM | Ø 38/30 MM - 1,5/1,18 "
KOPFLÄNGE | GAUGE | 64/68 MM - 2,5/2,68 "



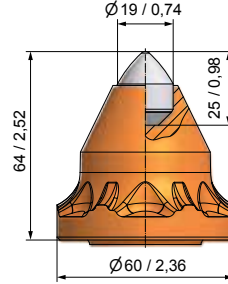
S1239



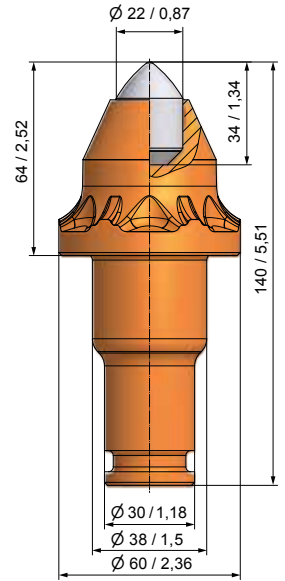
BKF27 BS38F-12.6064



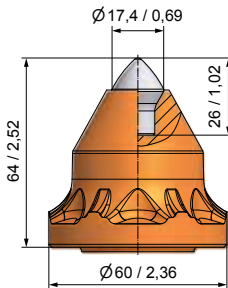
BKF24 BS38F-15.6064



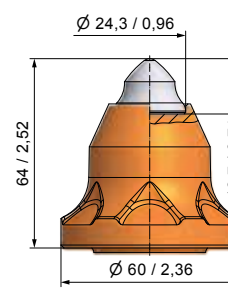
BKF22 BS38F-19.6064



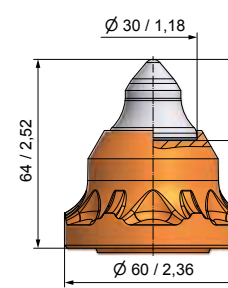
BKF26 BS38F-22.6064



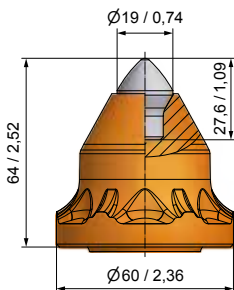
BKF25 BS38F-70.6064



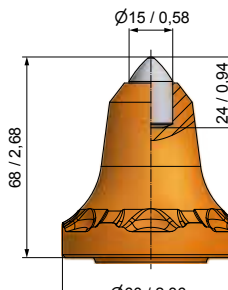
BKF28 BS38F-68.6064



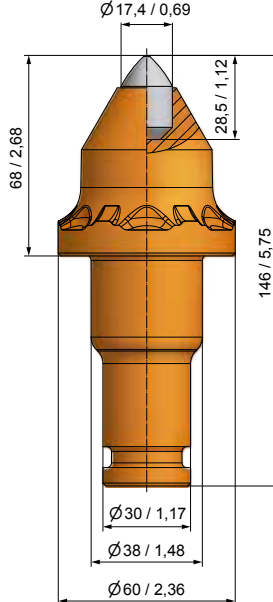
BKF29 BS38F-69.6064



BKF65 BS38F-72.6064



BKF62 BS38F-15.6068

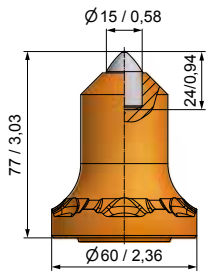


BKF63 BS38F-17.6068

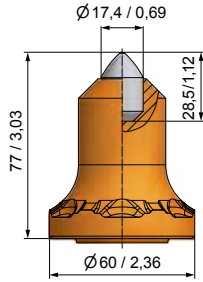
SCHAFTSYSTEM | SHANK SYSTEM | Ø 38/30 MM - 1,5/1,18 "
KOPFLÄNGE | GAUGE | 77 MM/3,0 "



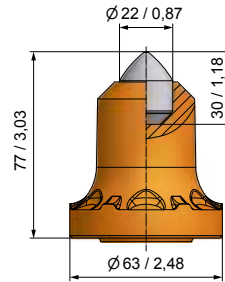
SI239



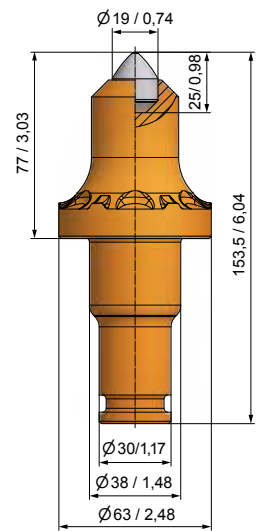
BKF32
BS38F-15.6077



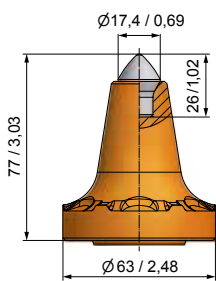
BKF33
BS38F-17.6077



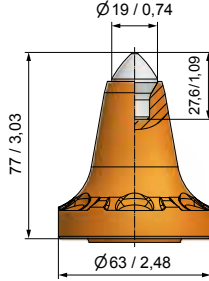
BKF31
BS38F-22.6377



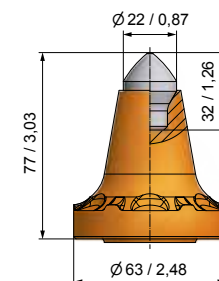
BKF30
BS38F-19.6377



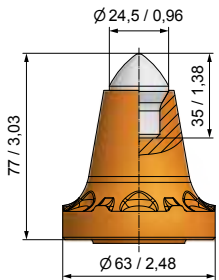
BKF40S
BS38F-70.6377



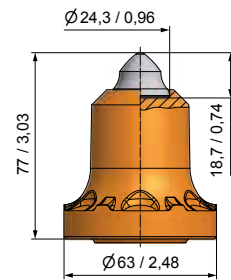
BKF39S
BS38F-72.6377A



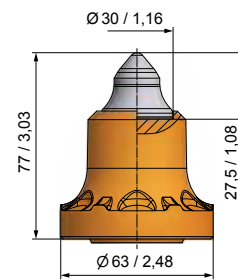
BKF38S
BS38F-71.6377A



BKF36S
BS38F-71.6377A



BKF34
BS38F-68.6377



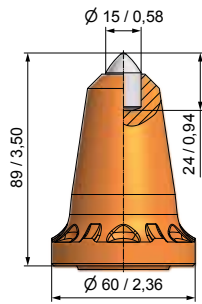
BKF37
BS38F-69.6377



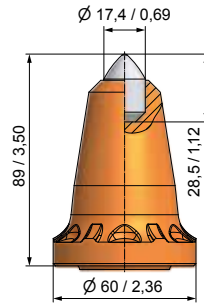
SCHAFTSYSTEM | SHANK SYSTEM | Ø 38/30 MM - 1,5/1,18 "
KOPFLÄNGE | GAUGE | 89 MM/3,5 "



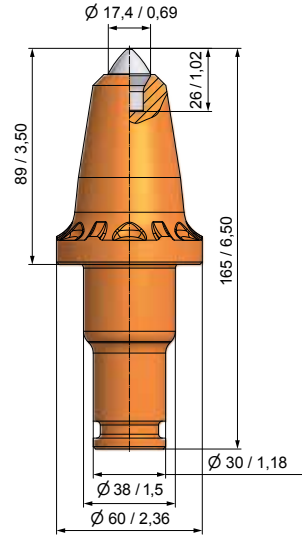
S1239



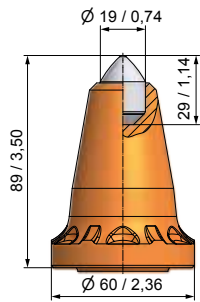
BKF41 BS38F-15.6089



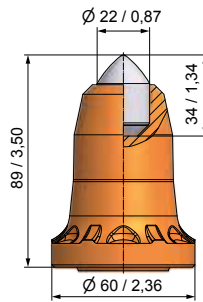
BKF42 BS38F-17.6089



BKF45 BS38F-70.6089



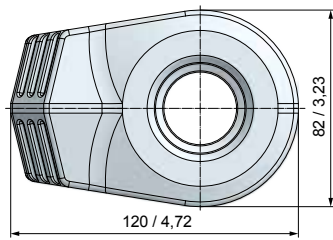
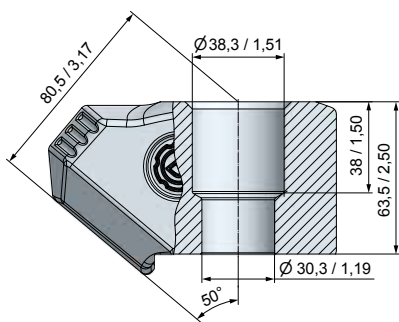
BKF43 BS38F-19.6089



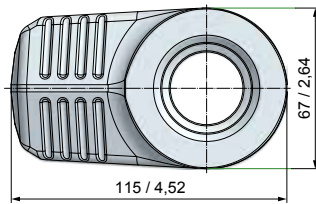
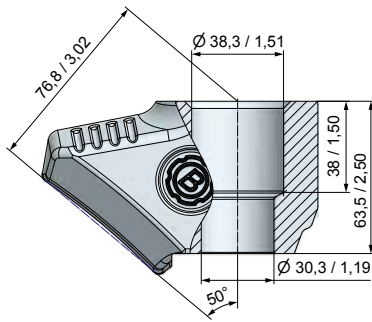
BKF44 BS38F-22.6089



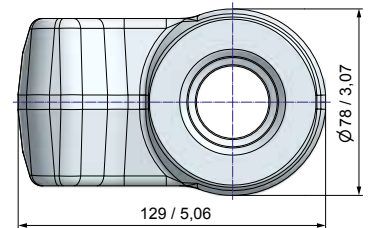
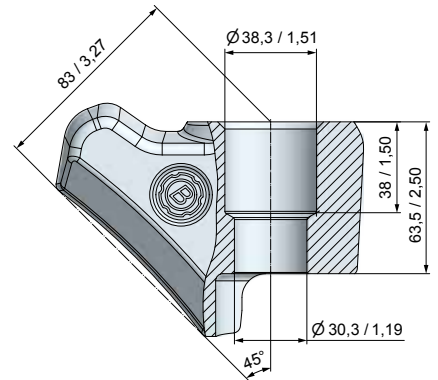
SCHAFTSYSTEM | SHANK SYSTEM | Ø 38/30 MM - 1,5/1,18"



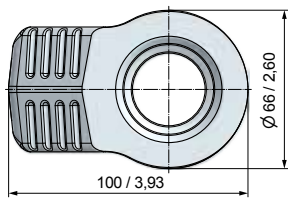
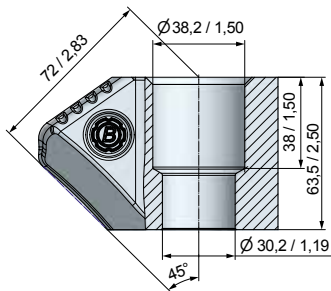
BHR187 B3830.8250



BHR188 B3830.6750



BHR204 B3830.7845



BHR38 B43H



ZUBEHÖR | ACCESSORIES



BZ44 Meißelaustreiber für Minimeißel
Bit extractor for Mini bit



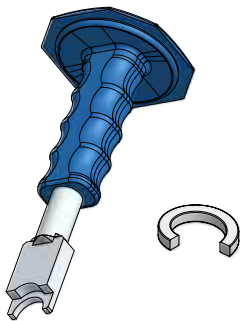
BZ42 Meißelaustreiber für BSH und BC Serie
Bit extractor for BSH and BC series



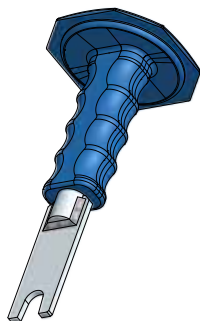
BZ43 Meißelaustreiber für BSH, BC und BSK mit Klemmring
Bit extractor for Mini bits BSH, BC and BSK with lock ring



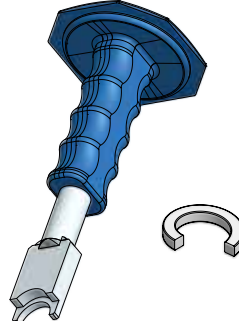
BZ38 Keilaustreiber für Schaftdurchmesser
Wedge puller for shaft diameter 20-25



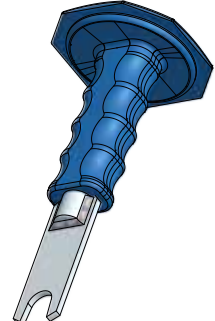
BZ33 Montagewerkzeug für SI36
Assembly tool for SI36



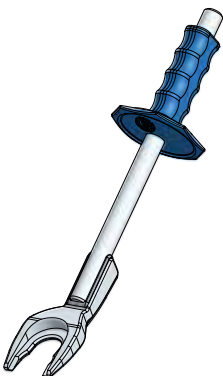
BZ31 Demontagewerkzeug für SI36 und SR90
Disassembly tool for SI36 and SR90



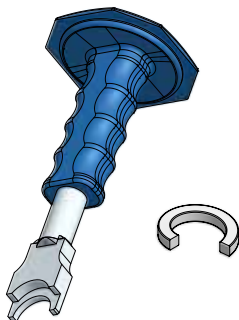
BZ41 Montagewerkzeug für SI26
Assembly tool for SI26



BZ32 Demontagewerkzeug für SI26
Disassembly tool for SI26



BZ22 Meißelauszieher für BTK-Serie
Bit puller for BTK-Series



BZ37 Montagewerkzeug für SI79/K
Assembly tool for SI79/K



BZ36 Demontagewerkzeug für SI79/K
Disassembly tool for SI79/K

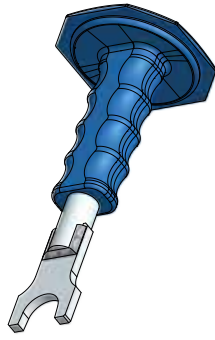


BZ05 Meißelauszieher für Kopfdurchmesser 60
Bit puller for Head diameter 60

ZUBEHÖR | ACCESSORIES



BZ35 Montagewerkzeug
für SI239
Assembly tool for
SI239



BZ34 Demontagewerkzeug
für SI239
Disassembly tool
for SI239



BZ39 Keilaustreiber für
Schaftdurchmesser 30-38
Wedge puller for
shaftdiameter 30-38



SRZ02 Zange für SR83/1,
SR61 und SR54
Plier for SR83/1,
SR61 and SR54



BZ12 Meißelausziehler für
BKH-Serie
Bit puller for
BKH-Series



BZ18 Meißelausziehler mit
Kupferscheibe für BKH-Serie
Bit puller with copper disk
for BKH-Series



BZ16 Meißelaustreiber
für Spannstift mit
Durchmesser 10
Bit extractor for Roll pin
with diameter 10



BZ30 Meißelaustreiber
für Spannstift mit
Durchmesser 16 und 30
Bit extractor for Roll pin
with diameter 16 and 30



BZ40 Keilaustreiber für
Stufenschaft 43/35
Wedge puller for
stepshank 43/35

TUNGSTUDS MIT HARTMETALLKERN | TUNGSTUDS WITH TUNGSTEN CARBIDE CORE

HOCHLEISTUNG IM ANGEBOT

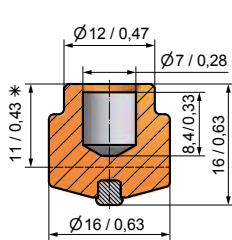
Zu den TungStuds liefern wir Ihnen auf Wunsch die entsprechenden Bolzenschweißanlagen. Bitte fragen Sie an, falls Sie andere Abmessungen wünschen. Gerne nennen wir Ihnen auch die typischen Einsatzgebiete für die hier abgebildeten TungStuds.

HIGH PERFORMANCE INCLUDED

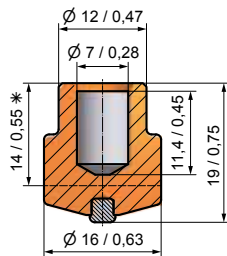
On request, we can also provide you with the appropriate stud-welding machine for your TungStuds. Please ask us if you need any different sizes. We will also gladly explain to you the typical areas of use for the TungStuds shown here.



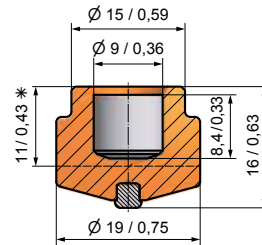
* Höhe nach dem Anschweißen
* Height subsequent after welding on



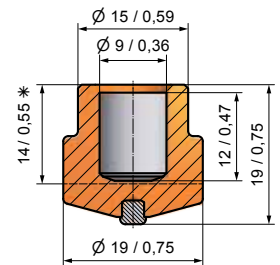
BTS01 BTSD16/16



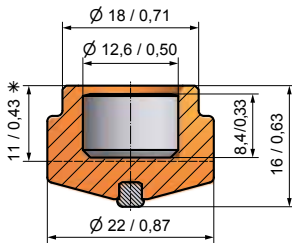
BTS02 BTSD16/19



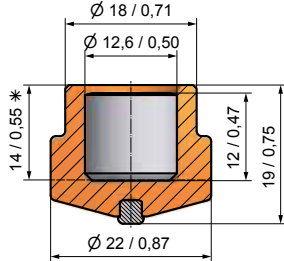
BTS03 BTSD19/16



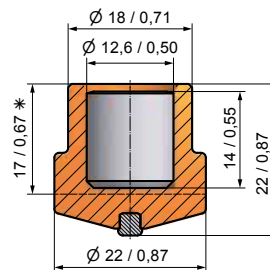
BTS04 BTSD19/19



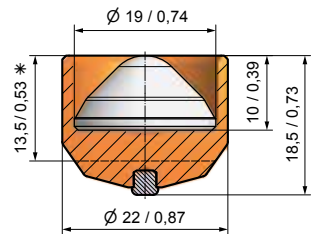
BTS05 BTSD22/16



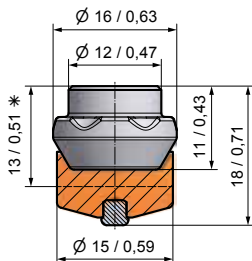
BTS06 BTSD22/19



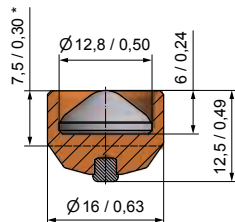
BTS07 BTSD22/22



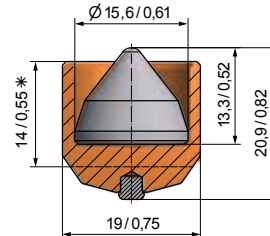
BTS08 BTSD22/18,5SG



BTS10B BTSD16/18B



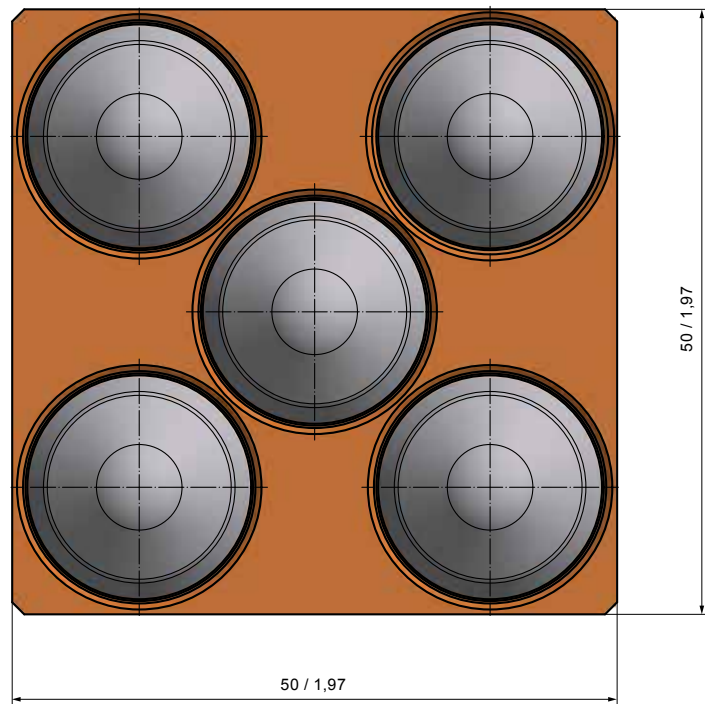
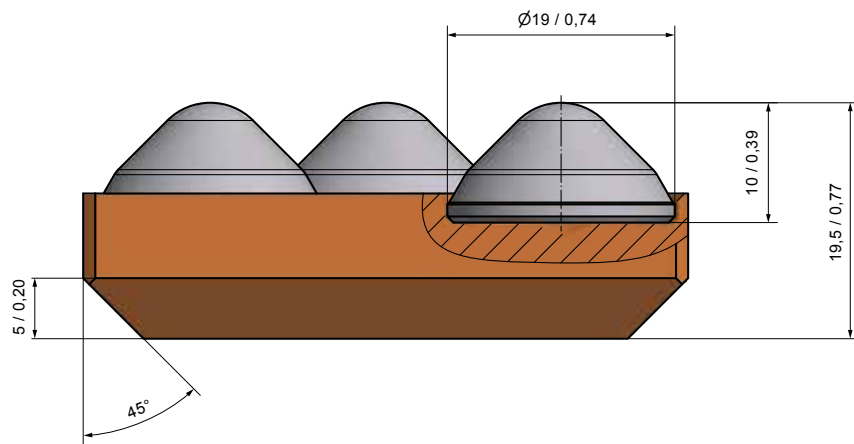
BTS20 BTSD16/12,5SG



BTS100 BTSD19/15,6SG



TUNGSTUDS BTS-PLATES



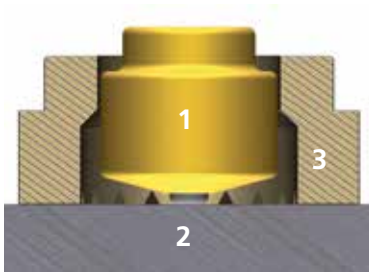
ABMESSUNGEN | DIMENSIONS

Breite Width in mm	Länge Length in mm
50	50
75	75
100	100
125	125
150	150

Weitere Abmessungen auf Anfrage | Other sizes on request

DER SCHWEISSPROZESS | THE WELDING PROCESS

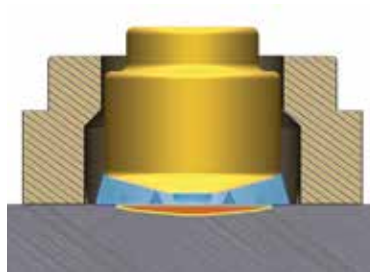
1



Der TungStud (1) wird auf die zu schützende Metallfläche (2) aufgesetzt. Zum Schutz des Schweißbades ist er von einem Keramikring (3) umschlossen.

The TungStud (1) is placed onto the metal surface (2) that is to be protected. To protect the weld pool a ceramic ferrule (3) is placed around it.

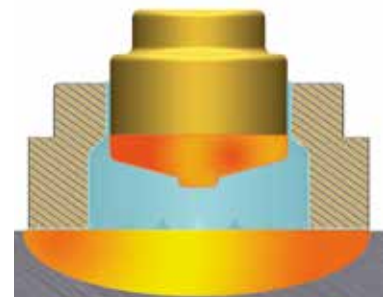
2



Unter Stromfluss hebt sich der TungStud ab und es entsteht ein Lichtbogen.

When an electric current is applied, the TungStud raises up and an arc is initiated.

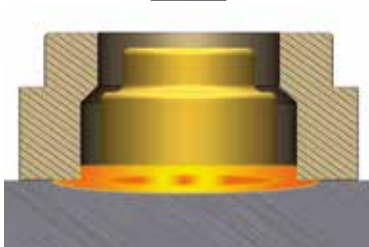
3



Durch den Lichtbogen werden TungStud und Metallfläche angeschmolzen.

The arc causes TungStud and metal surface to become partly fused.

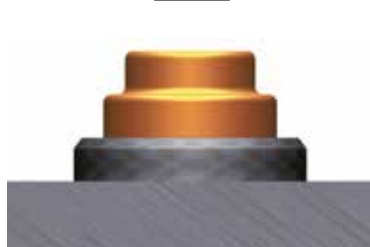
4



Der TungStud taucht in die Schmelze ein.

The TungStud sinks into the fused mass.

5



Es entsteht eine vollflächige Verbindung.

The two become completely joined

Beim Aufschweißen der TungStuds ist grundsätzlich eine geeignete Schutzausrüstung zu tragen!

Whenever you are welding on TungStuds, suitable protective equipment must always be worn!

WEITERKOMMEN! – MIT INTELLIGENTEN LÖSUNGEN

- Schnelles Aufschweißen der TungStuds
- Auch auf unregelmäßigen Oberflächen einsetzbar
- Nach Verschleiß die TungStuds einfach erneuern
- Es können auch einzelne TungStuds ausgewechselt werden
- Verschleißarm durch Hartmetallkern
- Höhere Produktivität durch weniger Wartungsaufwand
- Kostenreduzierung durch weniger Stillstandzeiten
- Minimaler Ersatzteilaufwand

PROGRESS! – WITH INTELLIGENT SOLUTIONS

- TungStuds are quickly welded on
- Can also be used on uneven surfaces
- When TungStuds are worn, simply replace them
- Individual TungStuds can also be replaced
- Resistant to wear thanks to tungsten carbide core
- Less maintenance work means higher productivity
- Cost reduction through less downtime
- Minimal spare parts expenditure

TUNGSTUDS PERFORMANCE

CUTTING WEAR PROTECTION

- The TungStuds are welded on in a grid pattern
- The space between the TungStuds does not have to be embedded with mineral debris (cutting wear protection)

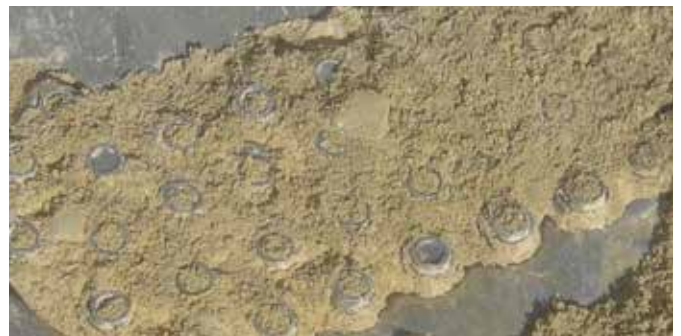
EXTENSIVE WEAR PROTECTION



ROCK BOX EFFECT

- The TungStuds are welded on in a grid pattern
- The space between the TungStuds become embedded with mineral debris (Rock-Box-Effect)

EXTENSIVE WEAR PROTECTION









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