

**YOUR ONE STOP SHOP!**

**CONSTRUCTION**



**HDD**



**FORESTRY**



**AGRICULTURE**



**TOOLING & PRODUCTS**



**PERFORMANCE  
GUARANTEED**

**SALES** ➤ **ENGINEERING** ➤ **MANUFACTURING** ➤ **SERVICE** ➤ **RENTAL**

**AUSTRALIA**

**CANADA**

**UNITED STATES**



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### AGRICULTURE



**ASK FOR  
EXTENDED  
CATALOGUE**



**CNC LATHES**  
*10" Through Bore Capability*



**CNC MILLS**  
*4 Axis Milling Available*



**OUR MACHINERY ALLOWS US  
TO PROVIDE IN-HOUSE SERVICE,  
REPAIR, AND MANUFACTURING**

**CNC LATHE**  
*Max. Turning Diameter: 16.0"*



**CNC LATHE**  
*Up To 20" Threading Capacity*



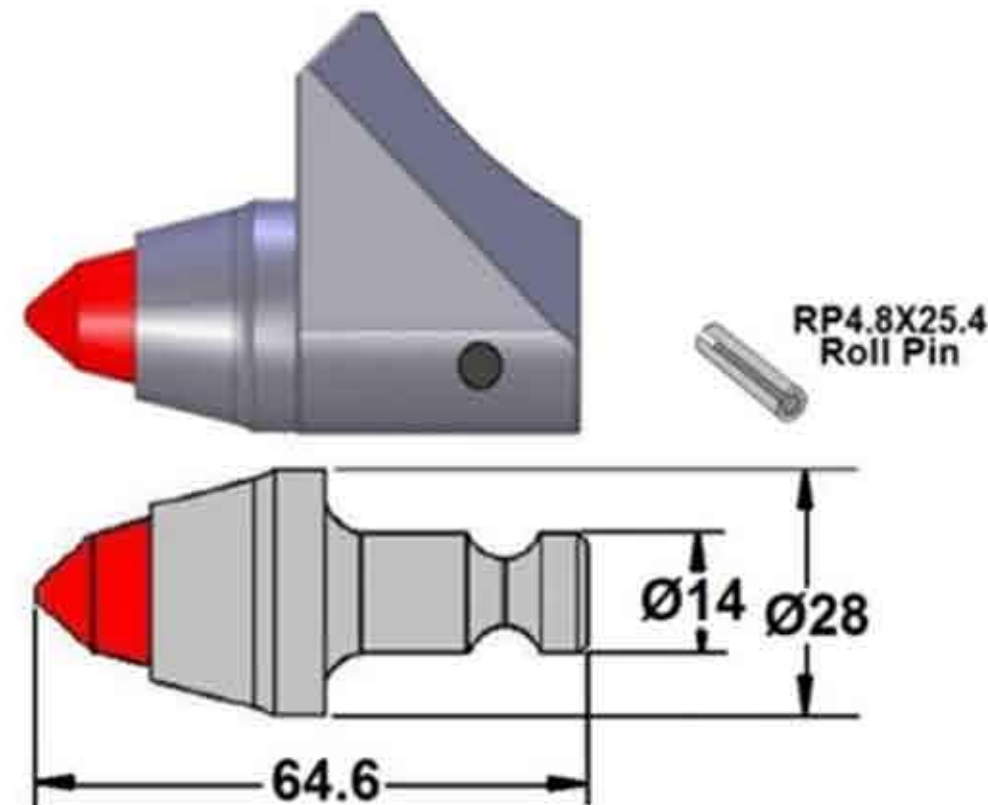


## CONICAL PICKS: 55 & 74 SERIES

### CP01 - 55 SERIES

Full Body, 16mm Cone Cap

BLOCK: C055



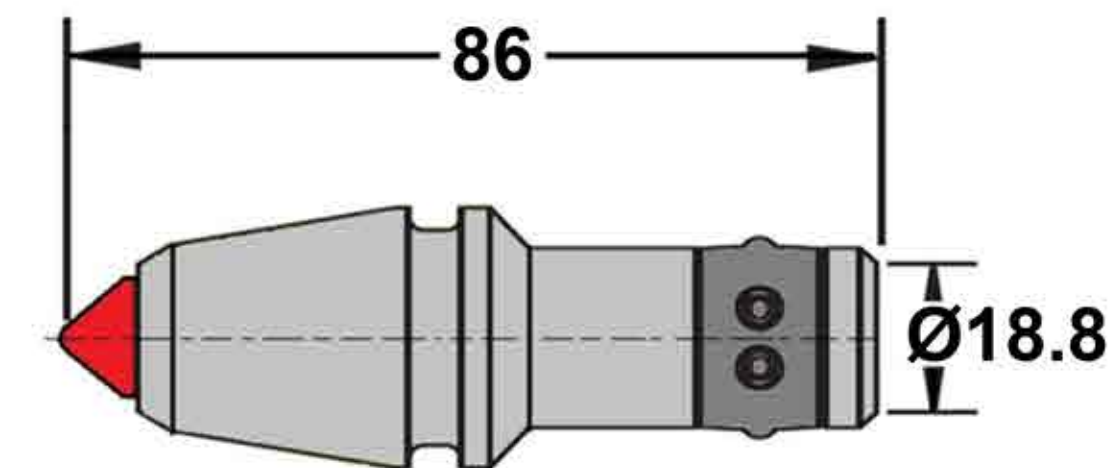
### CP10 - 74 SERIES

Grooved/Narrow Body, 12mm S/Cone Insert

BLOCK: C-1S



Comparable: C21HD, BTR02, RL-08



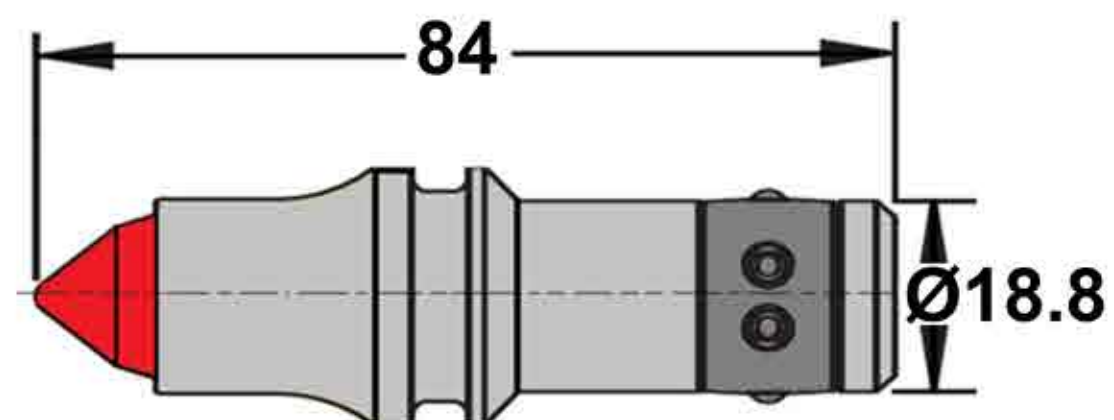
### CP13 - 74 SERIES

Grooved/Narrow Body, 16mm S/Cone Cap

BLOCK: C-1S



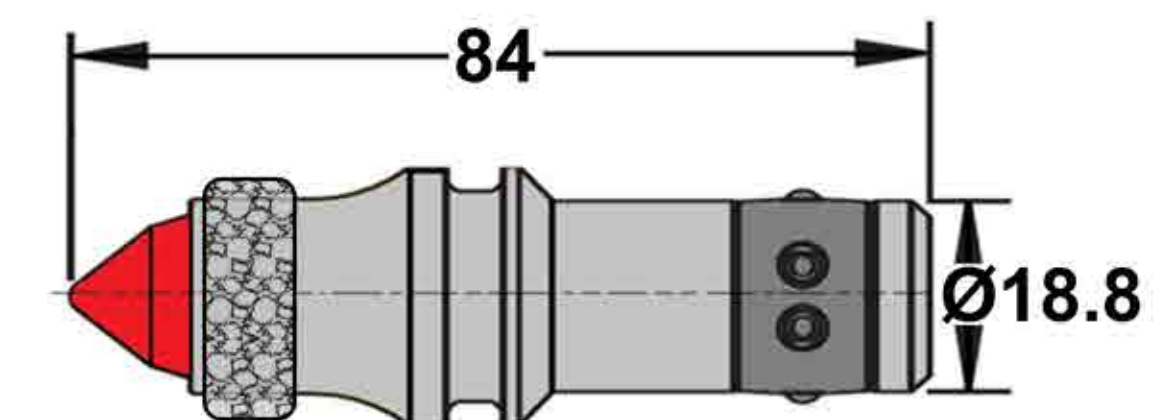
Comparable: C23



### CP13 - XP01 - 74 SERIES

Grooved/Narrow Body, 12mm Cone Insert

BLOCK: C-1S



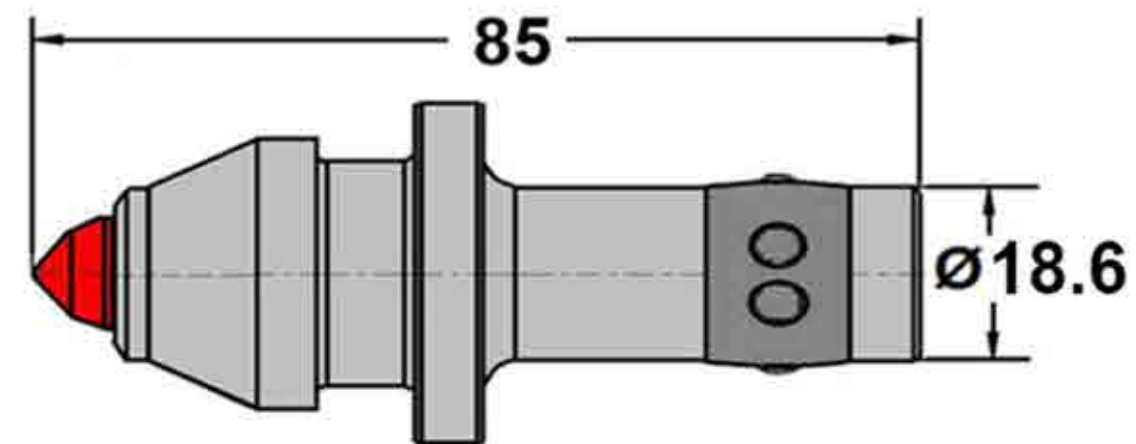


## CONICAL PICKS: 74 & 76 SERIES

### CP15

Full Body, 16mm D/Cone Cap

BLOCK: B-1S



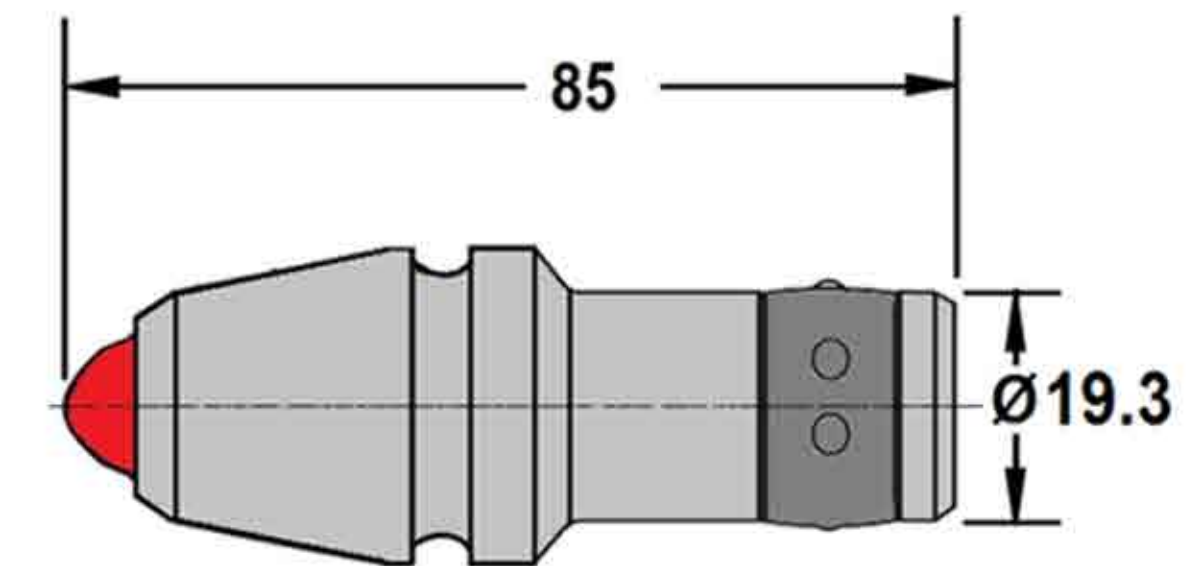
### CP20B - 76 SERIES

Grooved/Narrow Body, 12mm Cone Insert

BLOCK: B-2S



Comparable: RL-10, C21-HD



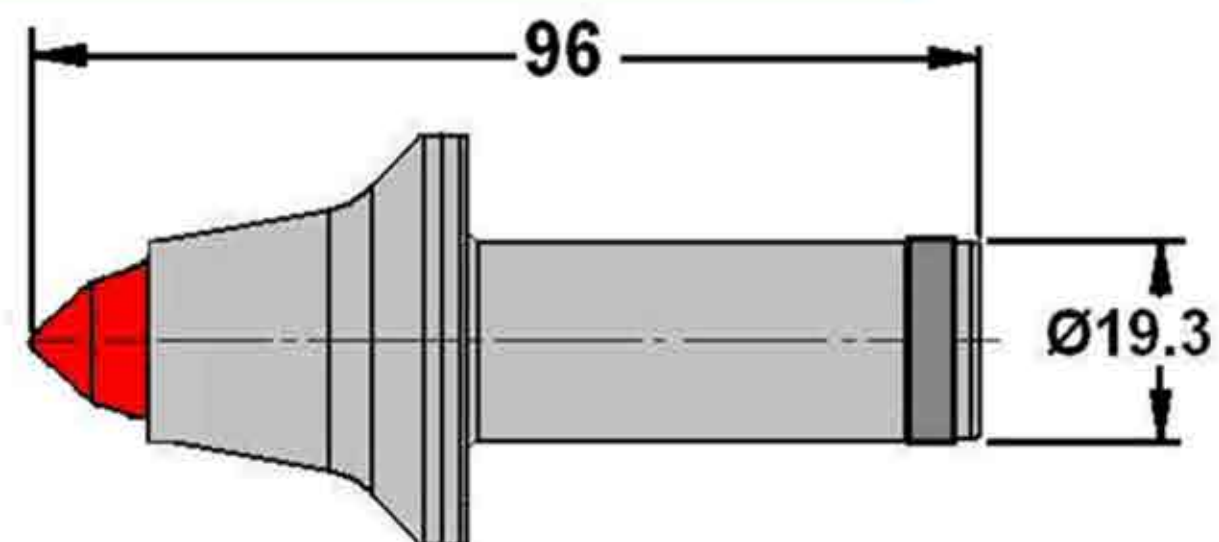
### CP21 - 76 SERIES

Full Body, 16mm D/Cone Cap

BLOCK: B-2S



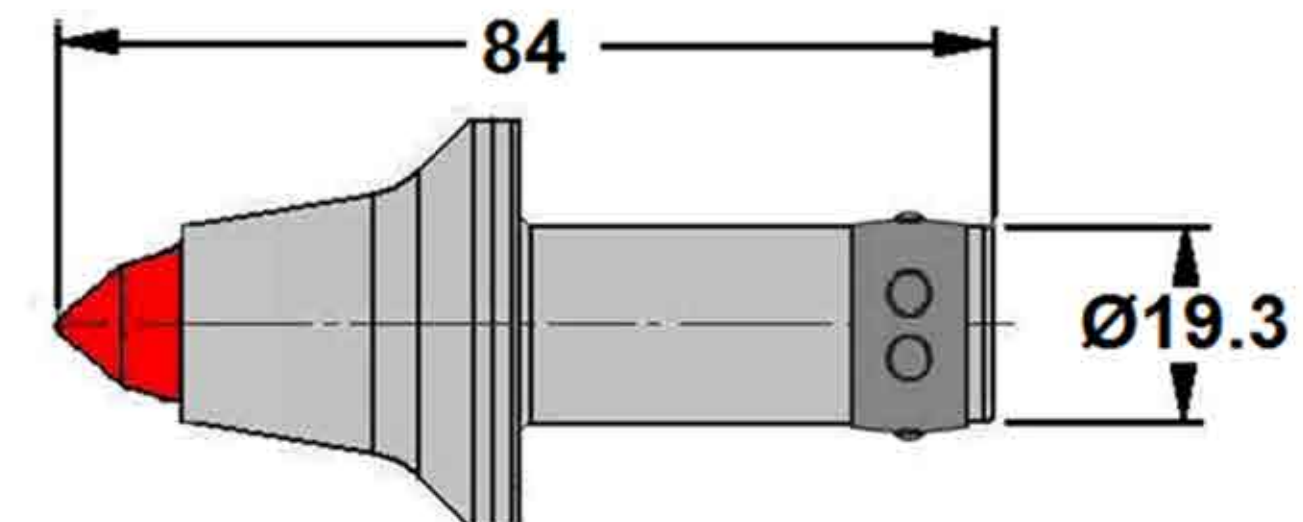
Comparable: C3R, BC26



### CP22 - 76 SERIES

Full Body, 16mm D/Cone Cap

BLOCK: B-2S



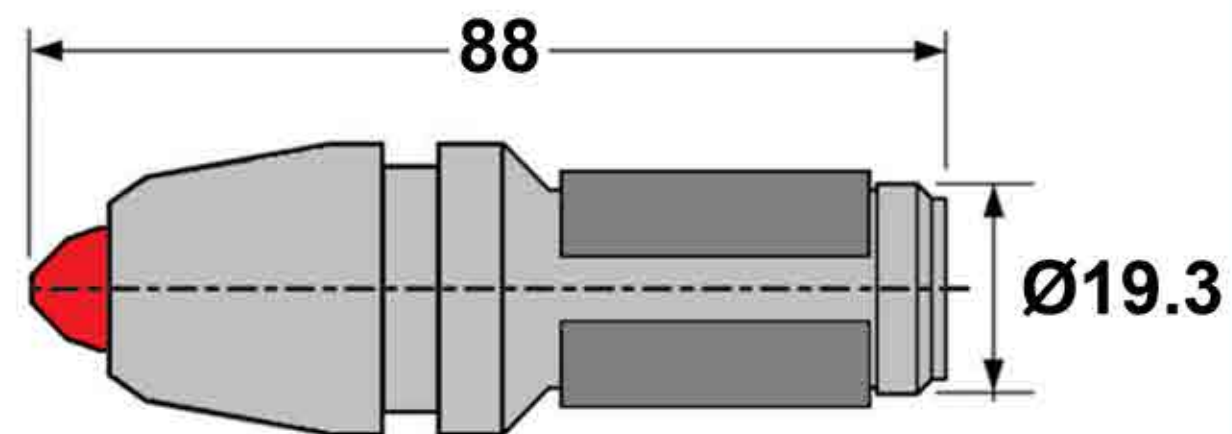


## CONICAL PICKS: 76 SERIES

### CP23L - 76 SERIES

Grooved/Narrow Body, 16mm D/Cone Cap

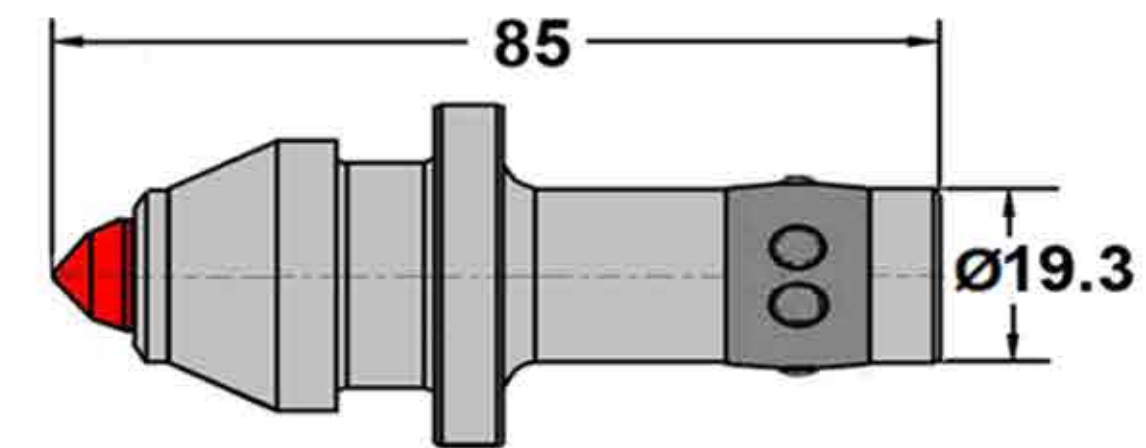
BLOCK: B-2S



### CP24 - 76 SERIES

Full Body, 16mm D/Cone Cap

BLOCK: B-2S

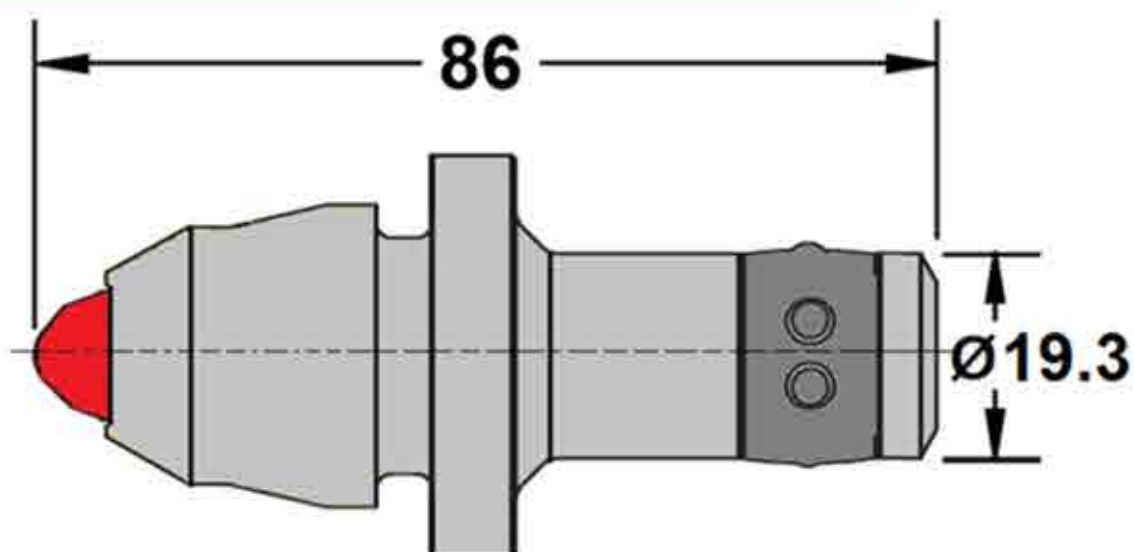


### CP25 - 76 SERIES

Grooved Flanged Body, 12mm Cone Insert

BLOCK: B-2S

Comparable: RS16, BSK21

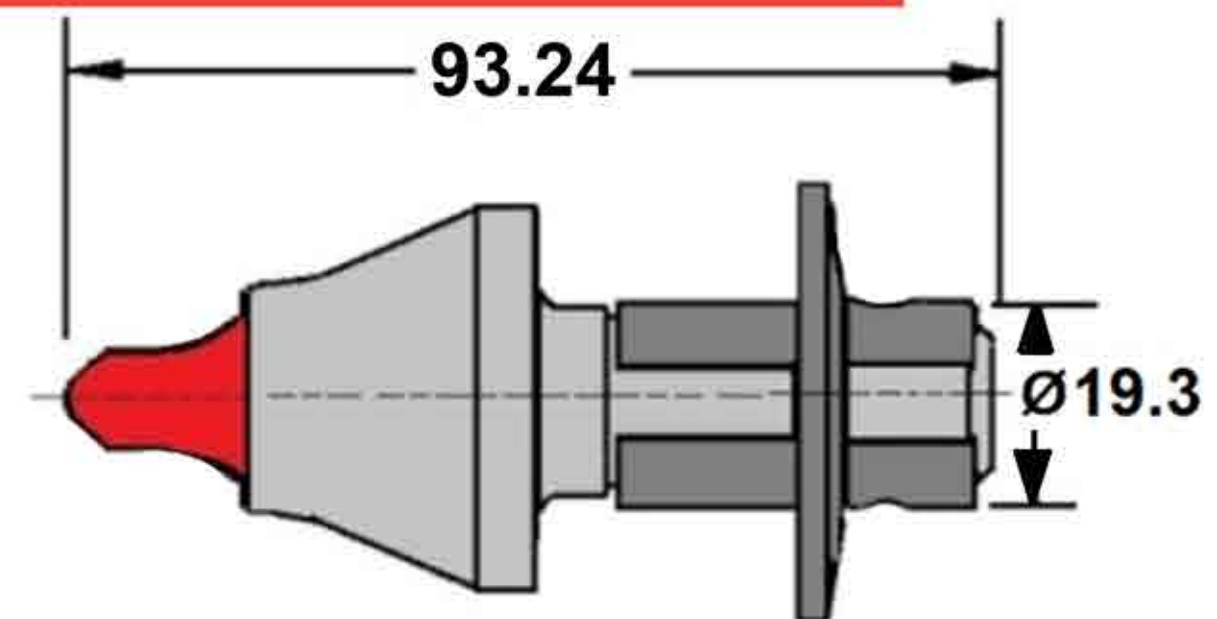


### CP28W - 76 SERIES

Full Body, 18mm Bell Cap

BLOCK: B-2S

Comparable: RP07





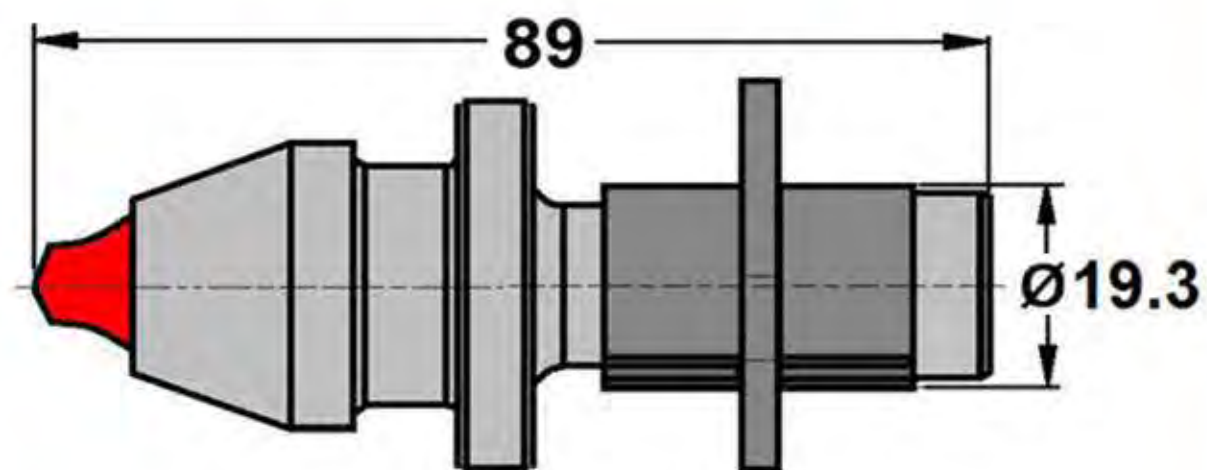
## CONICAL PICKS: 76 & 86 SERIES

### CP29W - 76 SERIES

Full Body, 18mm Bell Cap

BLOCK: B-2S

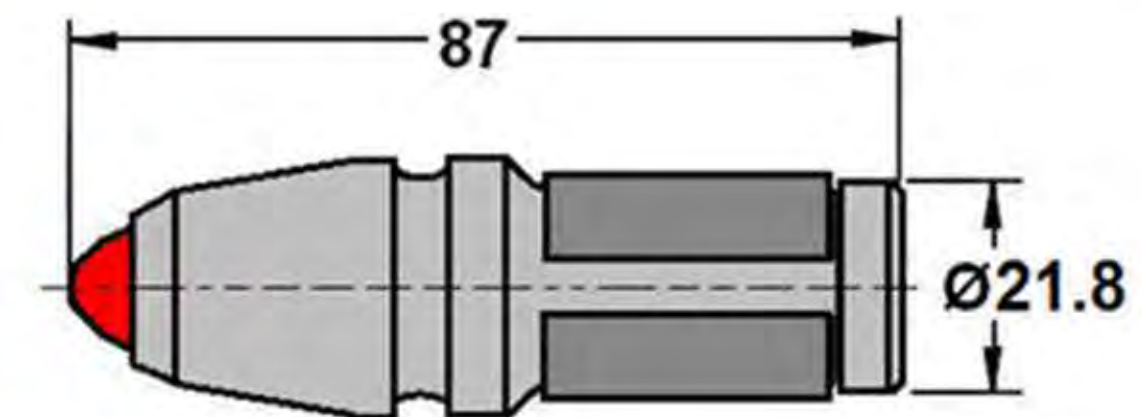
Comparable: RP-21



### CP30B - 86 SERIES

Grooved/Narrow Body, 12mm Cone Insert

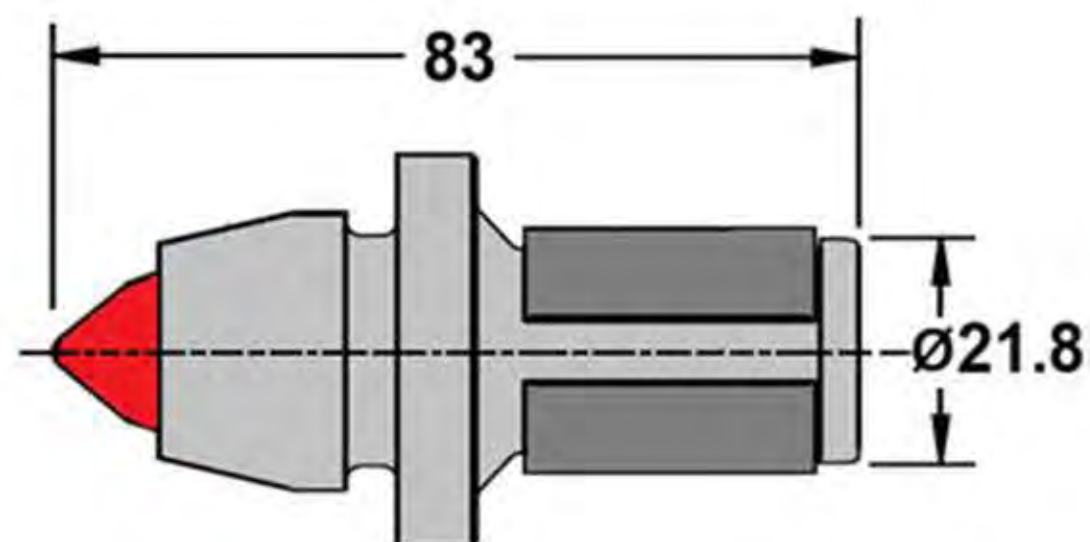
BLOCK: B-3S



### CP34L - 86 SERIES

Grooved Flanged Body, 12mm Cone Insert

BLOCK: B-3S

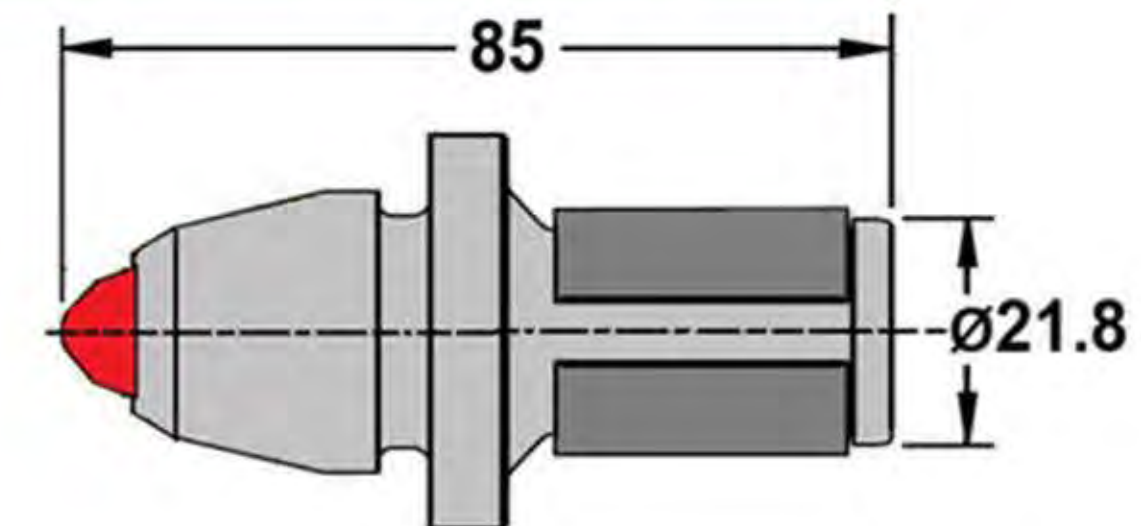


### CP35L - 86 SERIES

Flanged Head Body, 12mm Cone Insert

BLOCK: B-3S

Comparable: SM06, BC60, SC1-01

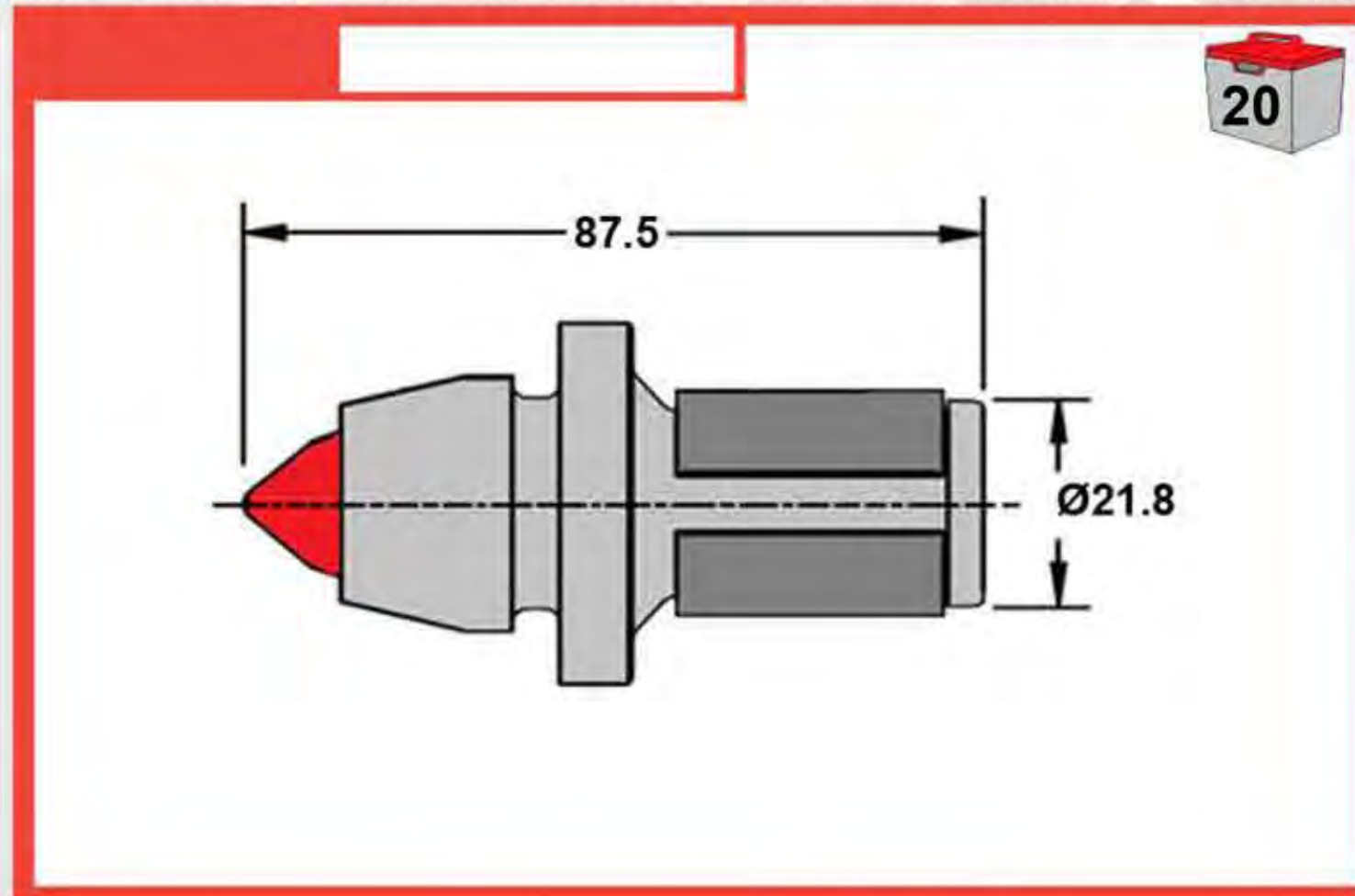




## CONICAL PICKS: 86 SERIES

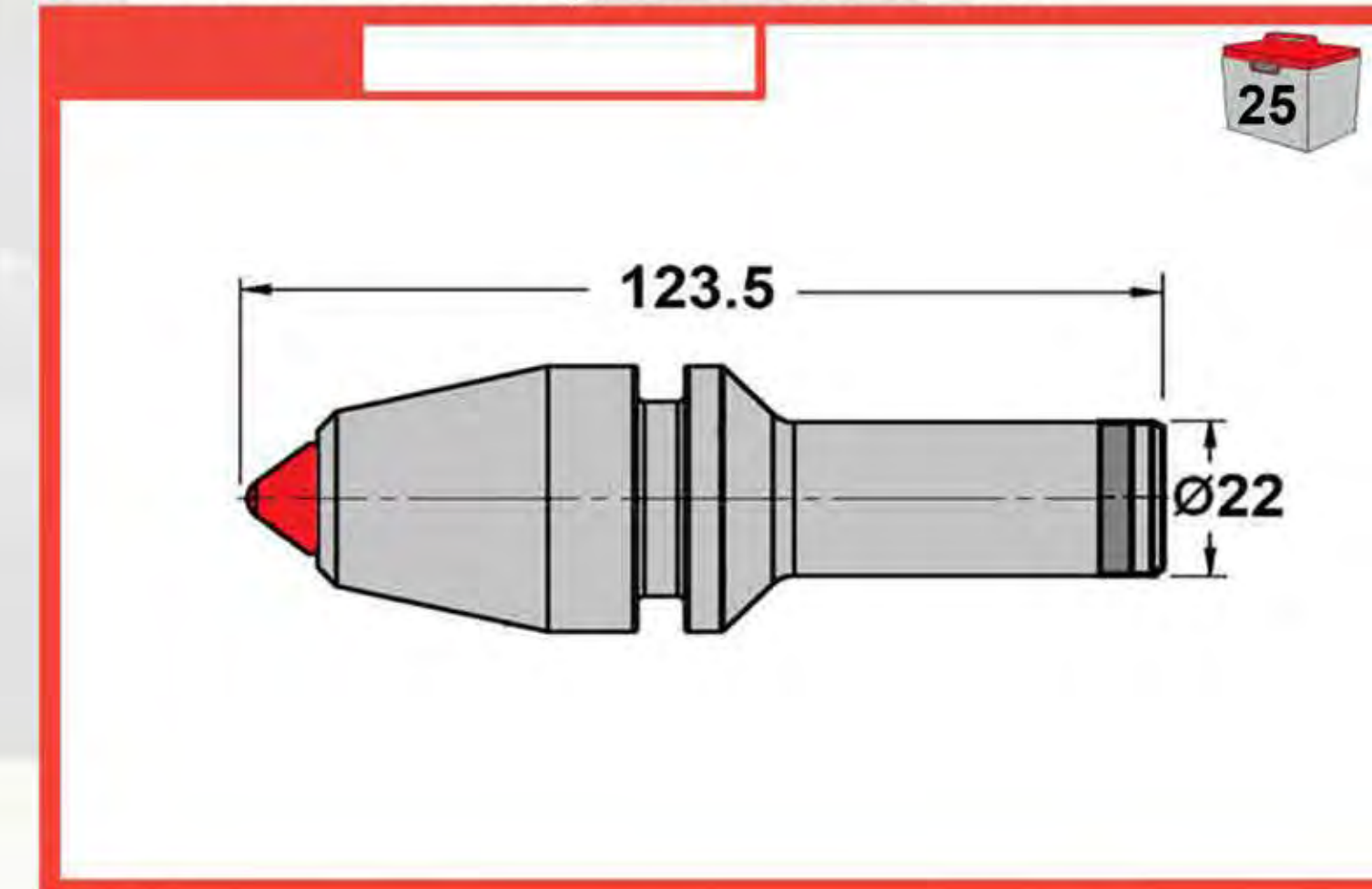
### CP35ALR

HDD Carbide Tooth with Pocket Protection for Hard Conditions



### CP39 - 86 SERIES

Grooved/Narrow Body, 16mm Cone Insert



## DID YOU KNOW?

*Hard Metals originated in Australia.  
Canadian subsidiary was established in 2015.*



## CONVERSION CHART

INCHES	MILLIMETRES	INCHES	MILLIMETRES
1/16	1.59	9/16	14.29
1/8	3.18	5/8	15.88
3/16	4.76	11/16	17.46
1/4	6.35	3/4	19.05
5/16	7.94	13/16	20.64
3/8	9.53	7/8	22.23
7/16	11.11	15/16	23.81
1/2	12.70	1	25.40

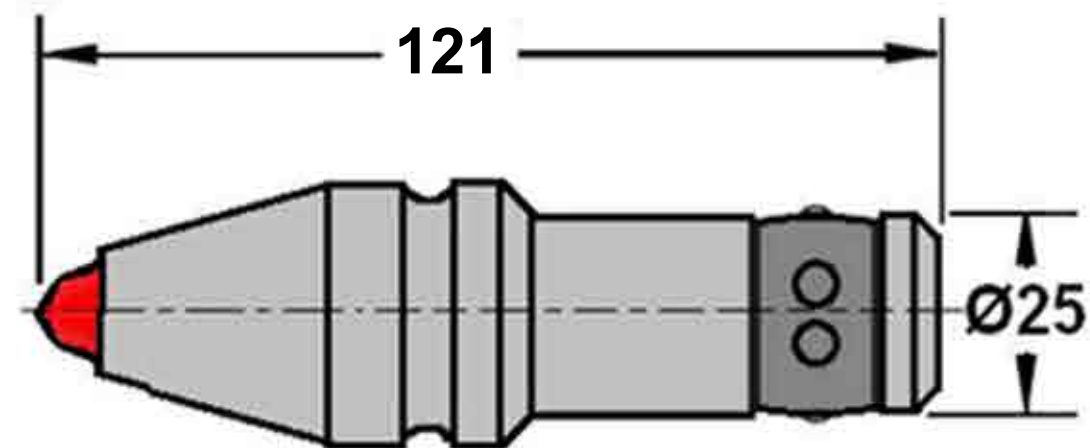


## CONICAL PICKS: 99 SERIES

### CP41 - 99 SERIES

Grooved Narrow Body, 12mm Cone Insert

BLOCK: B-4S



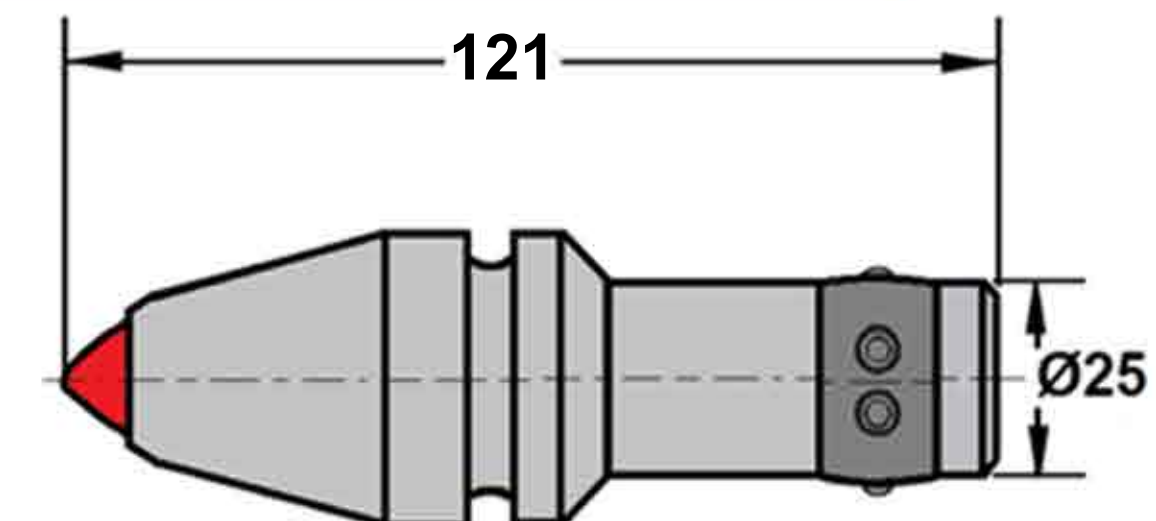
### CP42 - 99 SERIES

Grooved Narrow Body, 16mm Cone Insert

BLOCK: B-4S



Comparable: U40HD, BTK09



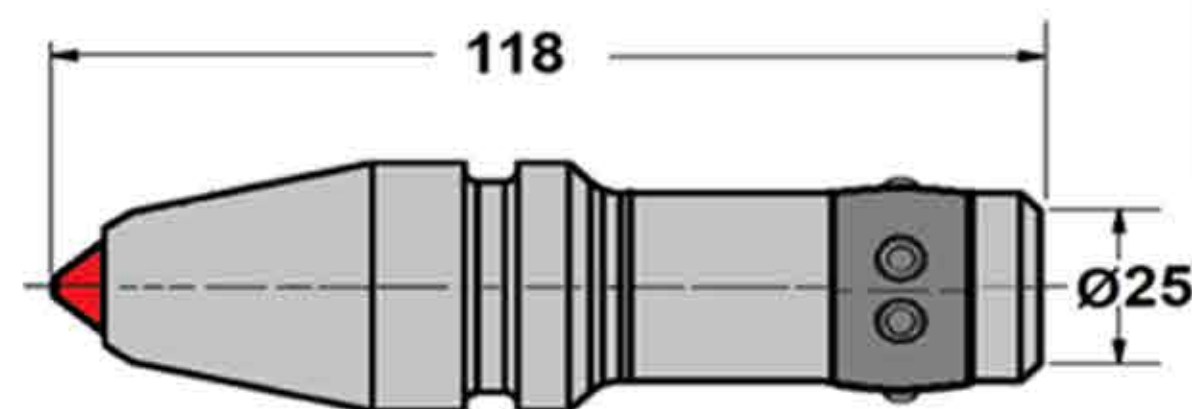
### CP43 - 99 SERIES

Grooved/Slim Body, 12mm S/Cone Insert

BLOCK: B-4S



Comparable: C31HD, BTK03, C31-HD



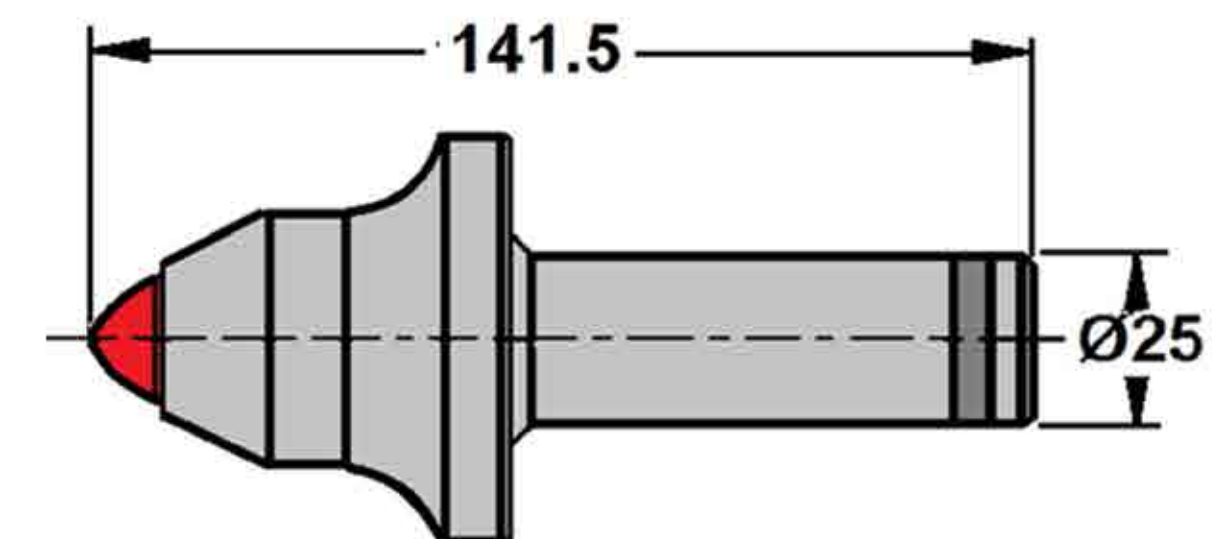
### CP46 - 99 SERIES

Full Body, 19mm Ballistic Insert

BLOCK: B-4S



Comparable: T11, BTK122





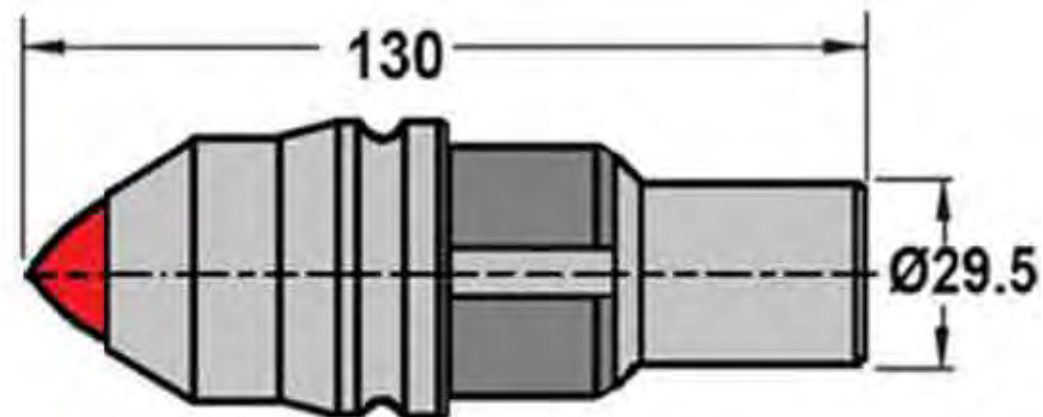
## CONICAL PICKS: 116 SERIES

### CP60 - 116 SERIES

Stepped Shank, Grooved Narrow Body, 22mm Ballistic Insert

BLOCK: B-6S

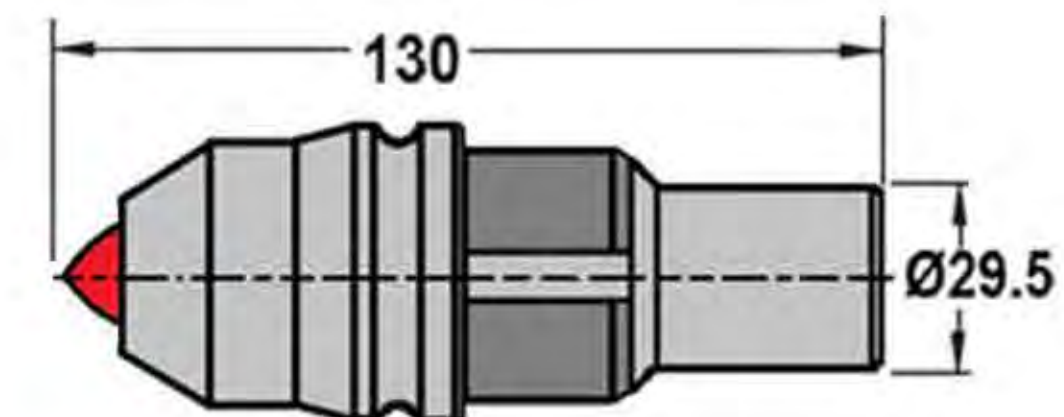
Comparable: DS05, BKH85/B47K22H/2, B47K-F



### CP60B - 116 SERIES

Stepped Shank, Grooved Narrow Body, 17.5mm Ballistic Insert

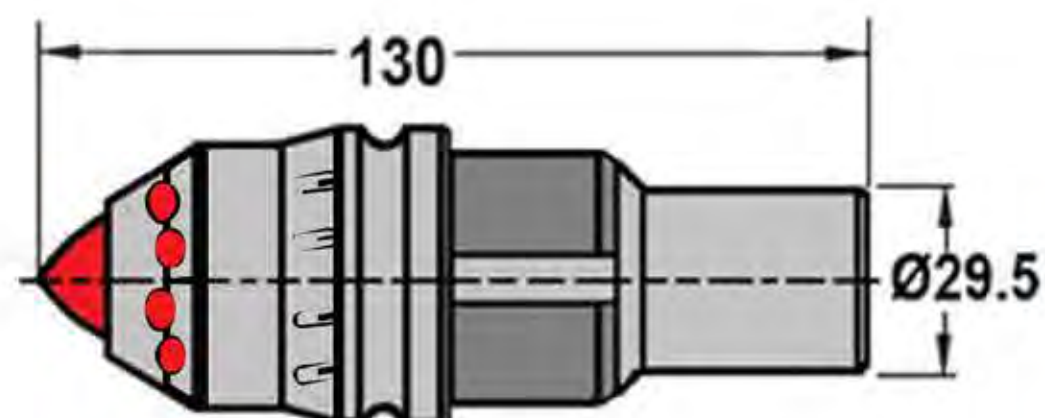
BLOCK: B-6S



### CP60 - XP01 - 116 SERIES

Stepped Shank, Grooved Narrow Body, 22mm Ballistic Insert, Carbide Buttons

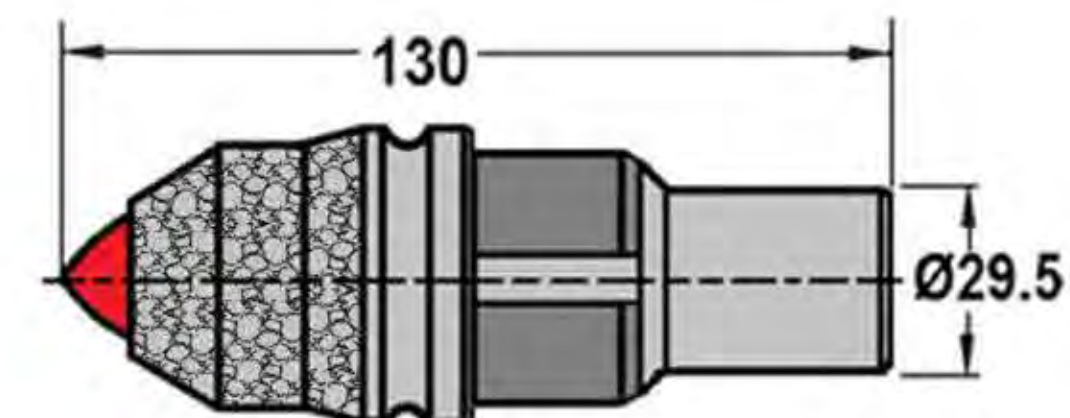
BLOCK: B-6S



### CP60 - XP02 - 116 SERIES

Hard Surfacing, Stepped Shank, Grooved Narrow Body, 22mm Ballistic Insert

BLOCK: B-6S



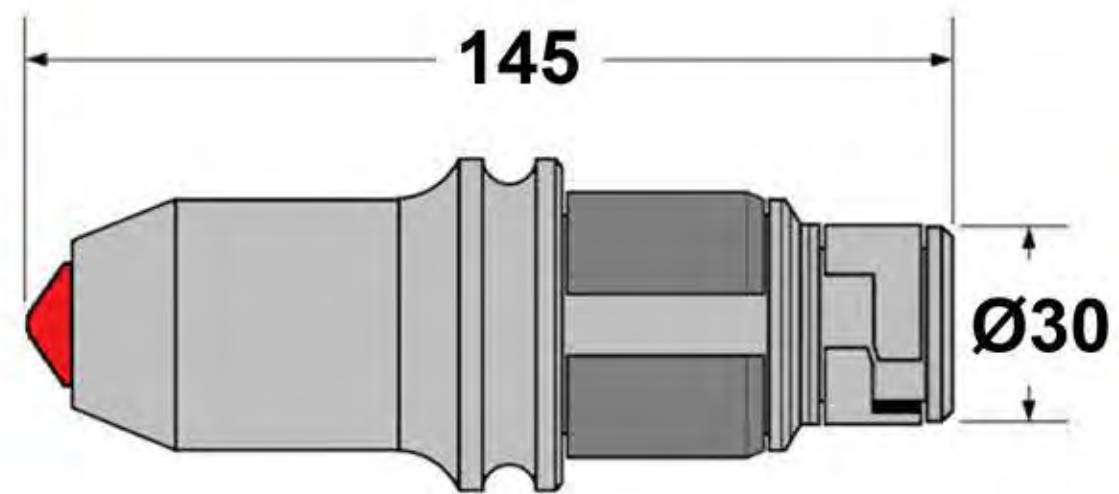


## CONICAL PICKS: 116 SERIES

### CP60-19L - 116 SERIES

Carbide Tooth with Pocket Protection for Hard Conditions

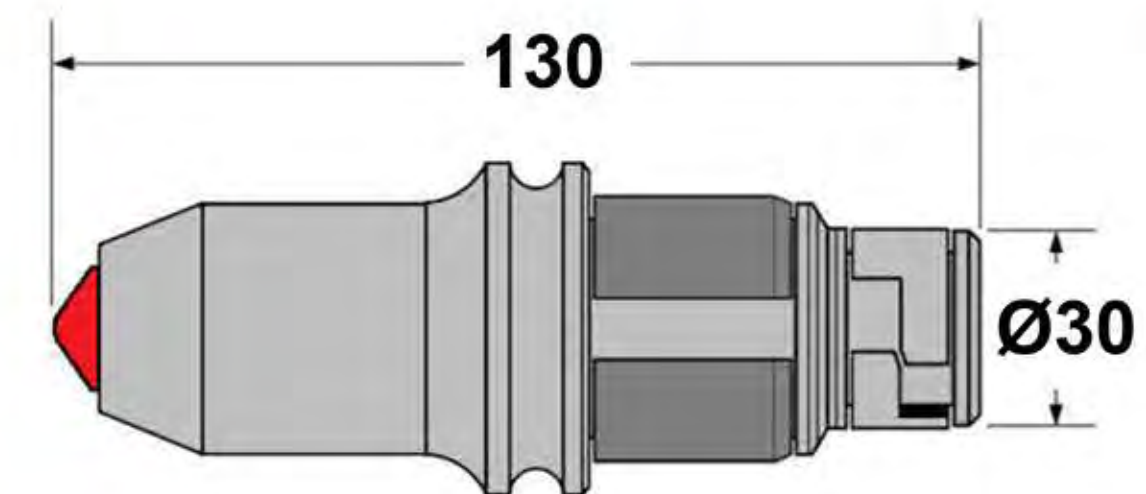
BLOCK: B-6S



### CP60-K19-S - 116 SERIES

Flanged Head Body

BLOCK: B-6S



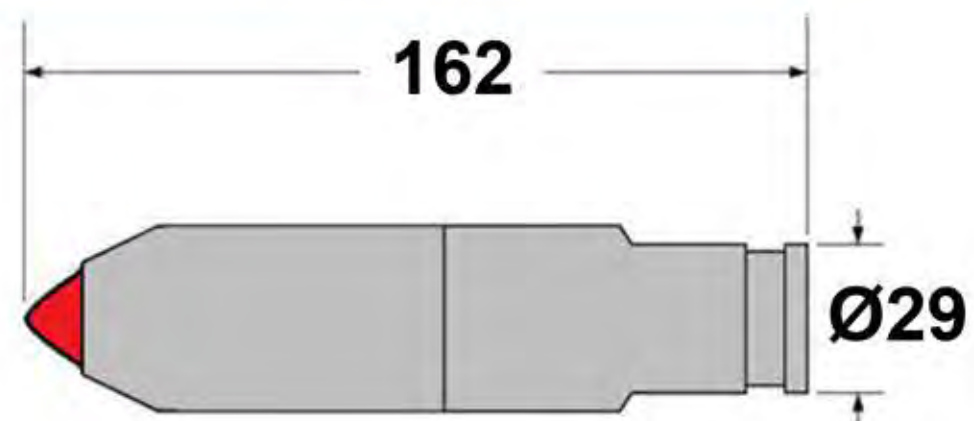
### CP64 - 116 SERIES

Carbide Tooth for Hard Conditions

BLOCK: B-6S



Comparable: C-4-1



### SNAP RING PLIERS



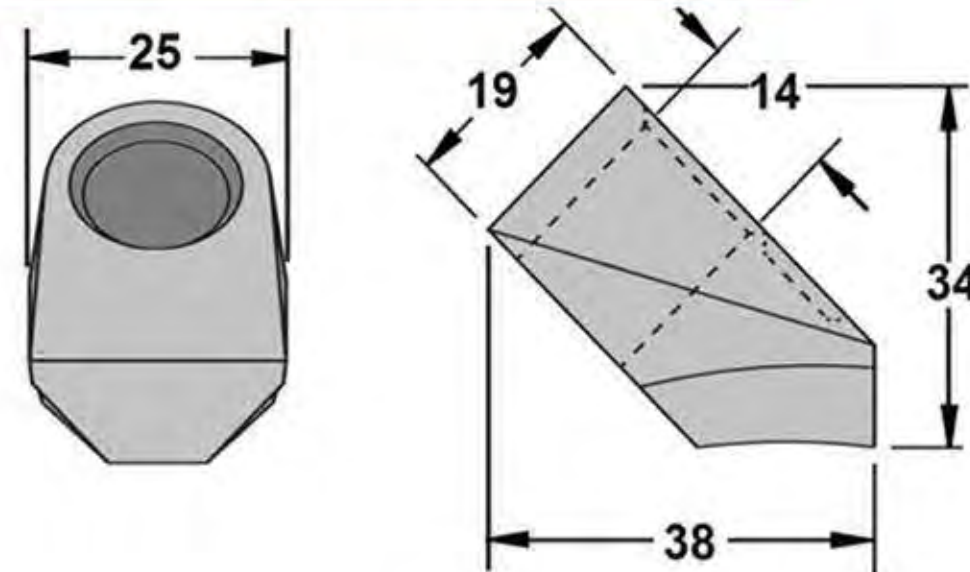


## CONICAL BLOCKS

### C055

Normal Duty, 55 Series

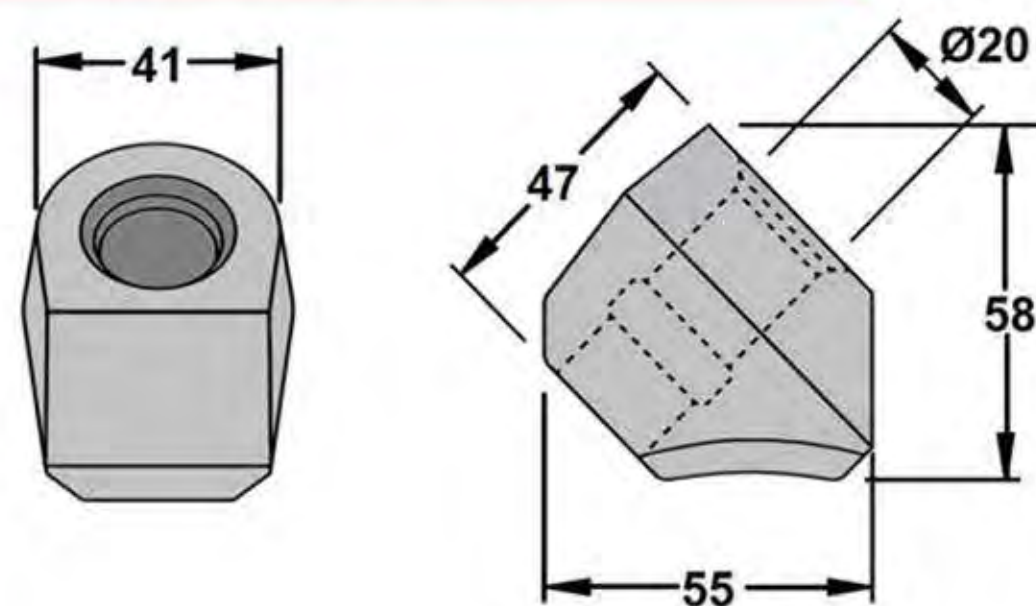
Comparable: CMB6: BHR171



### B-2

Heavy Duty, 76 Series

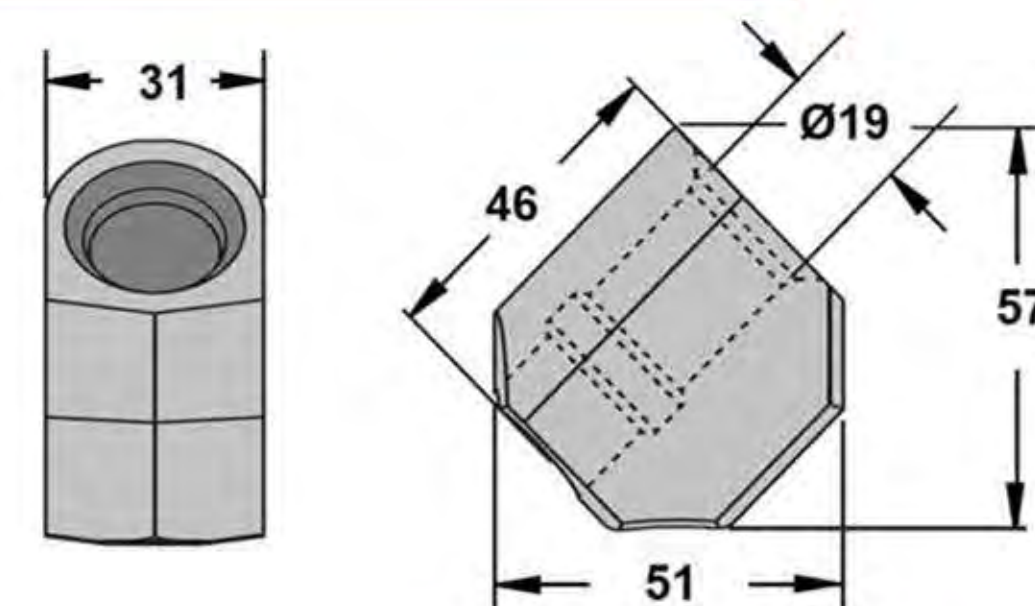
Comparable: C10HD, BHR07



### B-1S

Slim Line, 74 Series

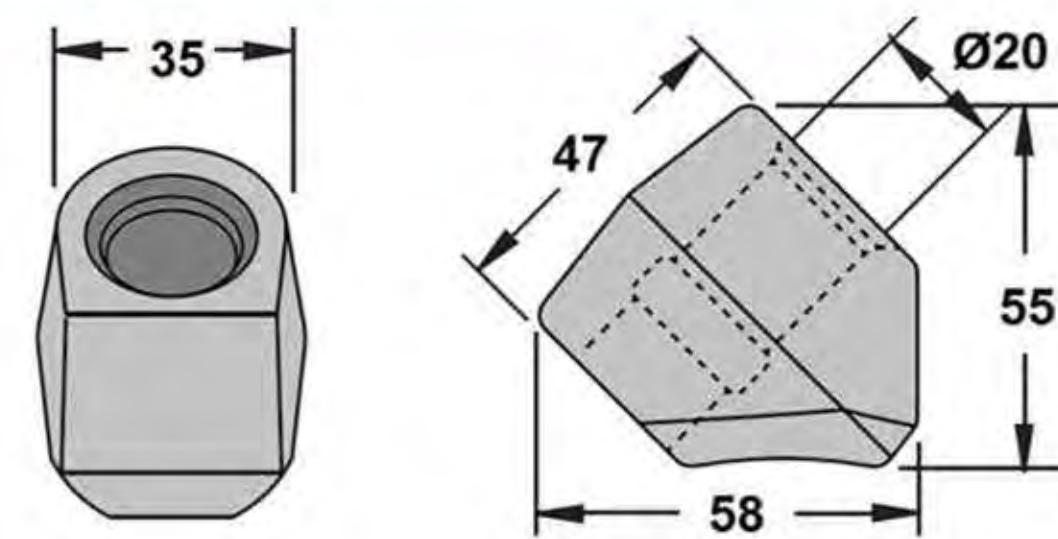
Comparable: C20



### B-2S

Slim Line, 76 Series

Comparable: C30, BHR31



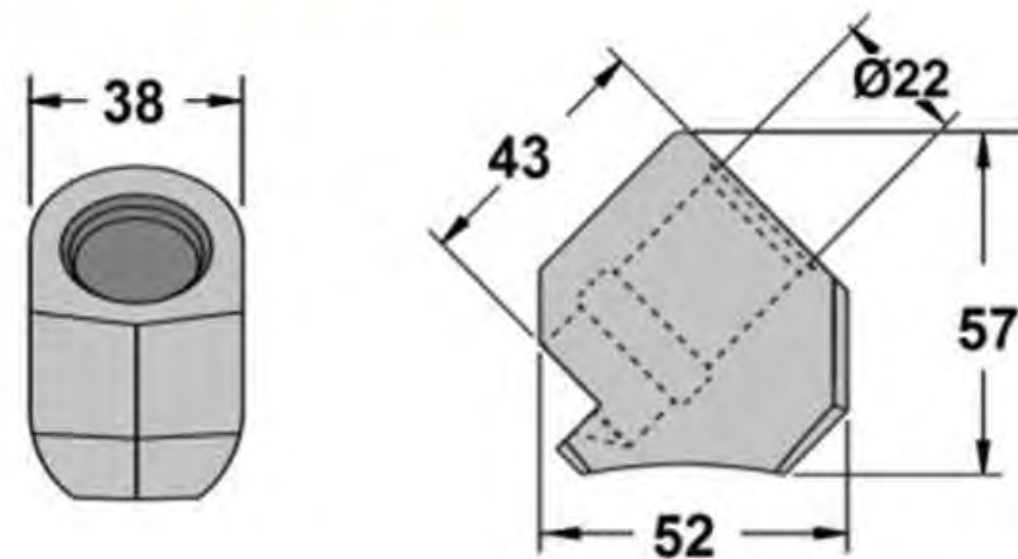


## CONICAL BLOCKS

### B-3S

Slim Line, 86 Series

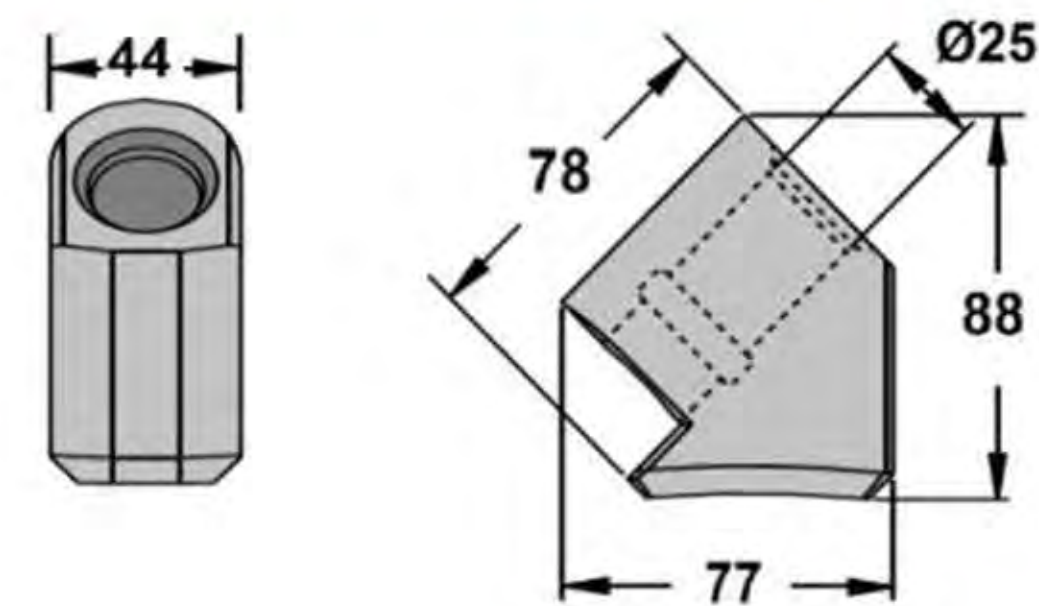
Comparable: C87G, SLB-01



### B-4S

Slim Line, 99 Series

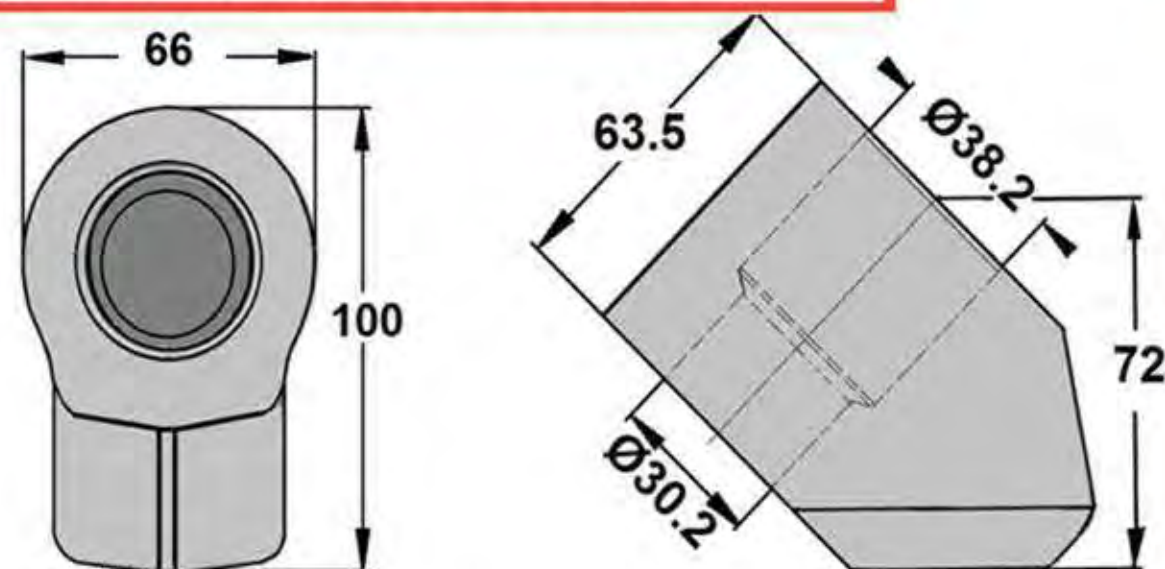
Comparable: C30, BHR34



### B-6S

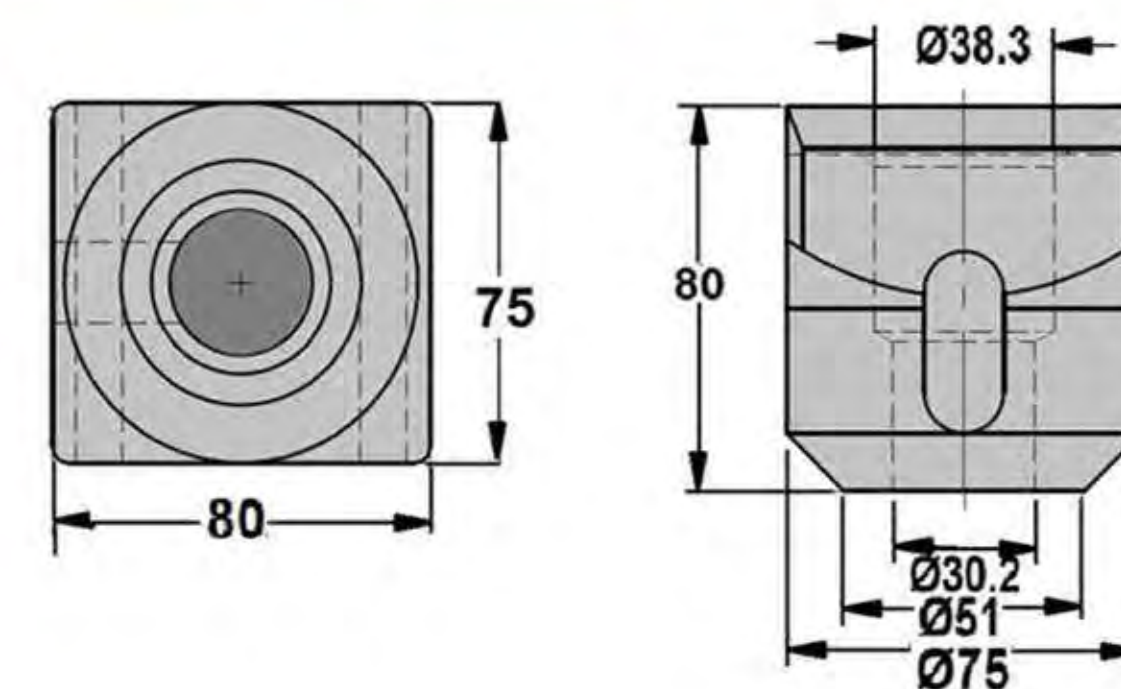
Slim Line, 116 Series

Comparable: C4/U43H, BHR38, C-4



### B-6F

Heavy Duty, 116 Series

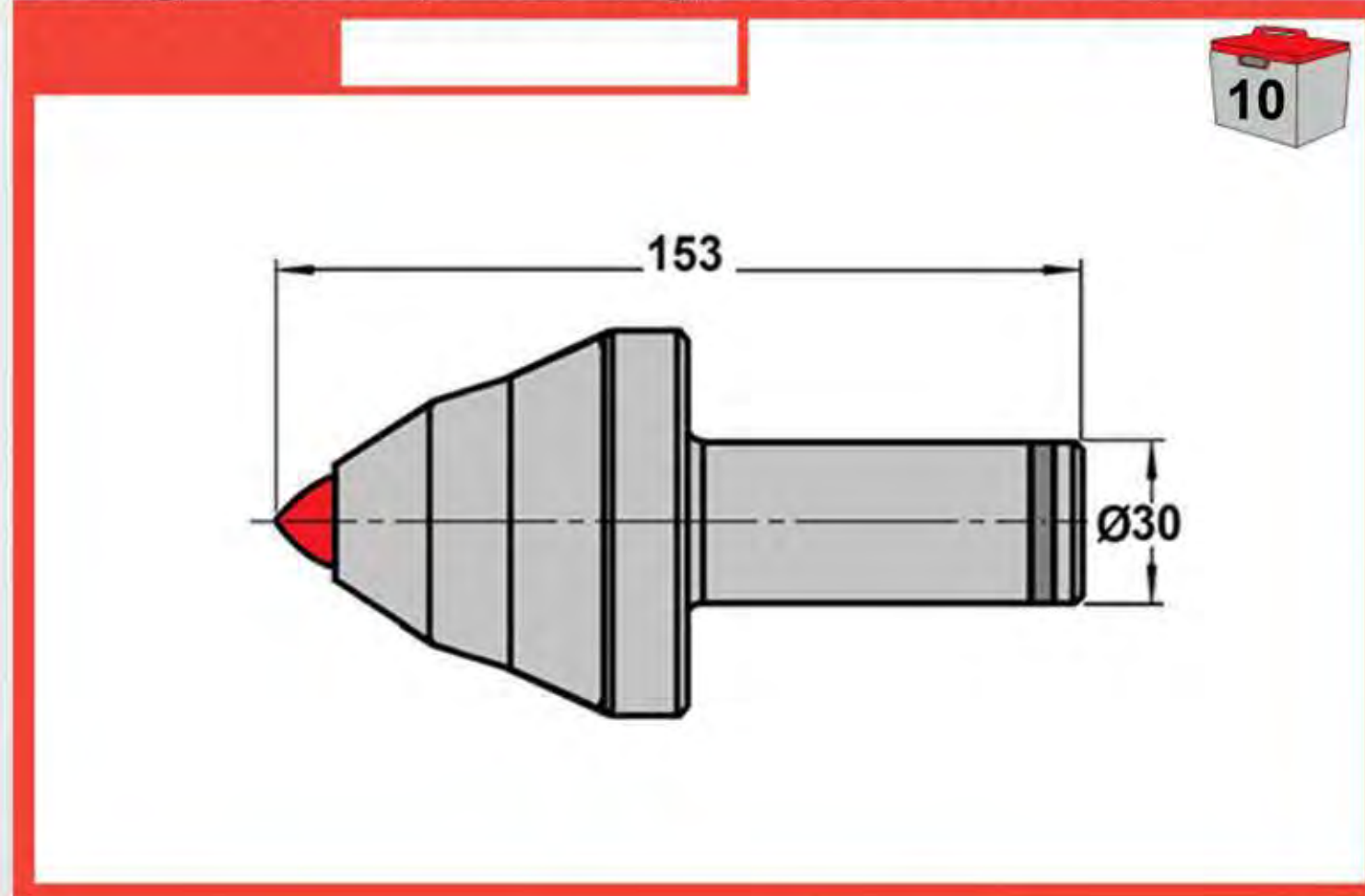




## CONICAL PICKS: 118 SERIES

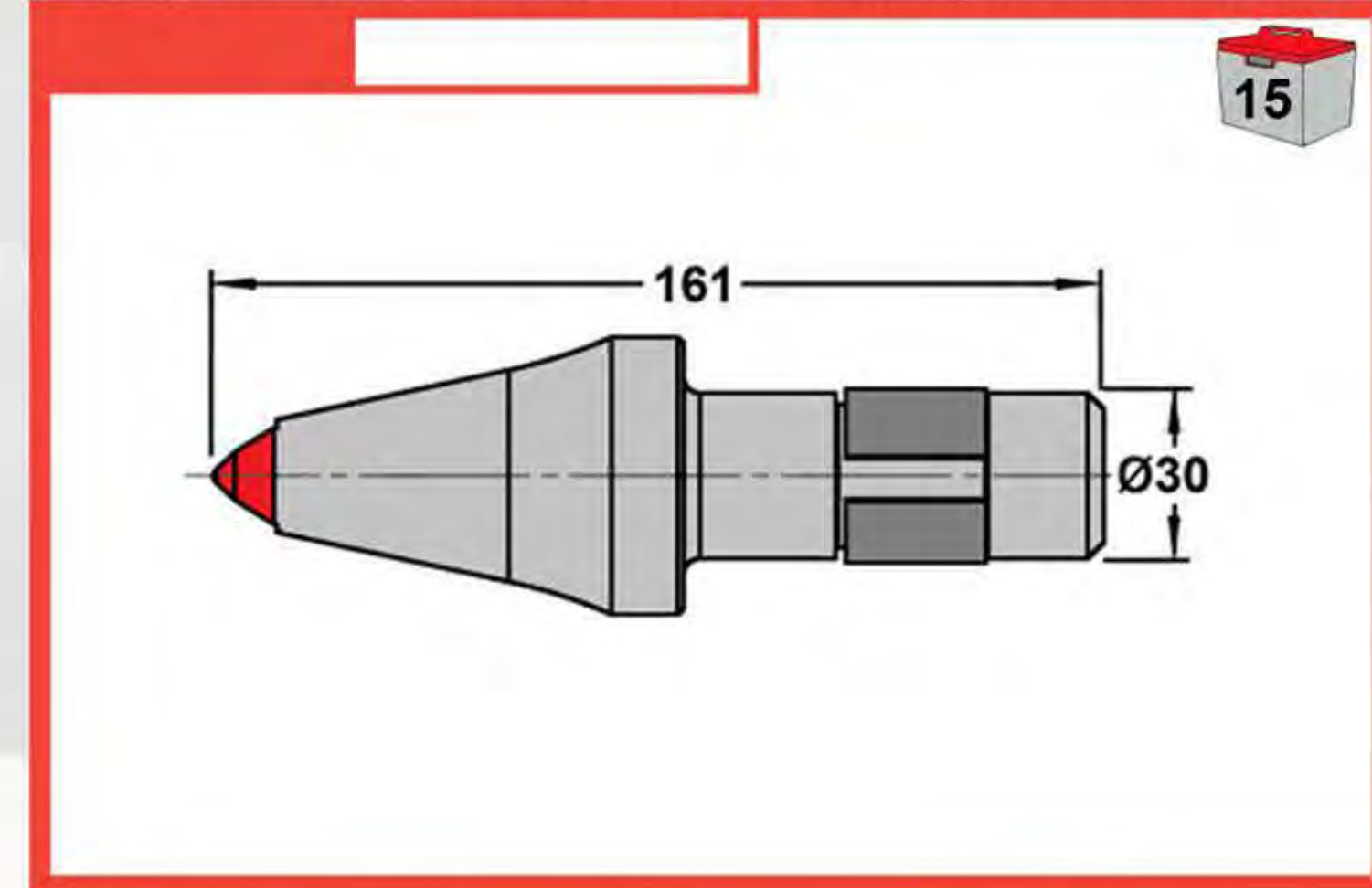
### CP70 - 118 SERIES

Straight Shank, Full Body, 17mm S/Cone Insert

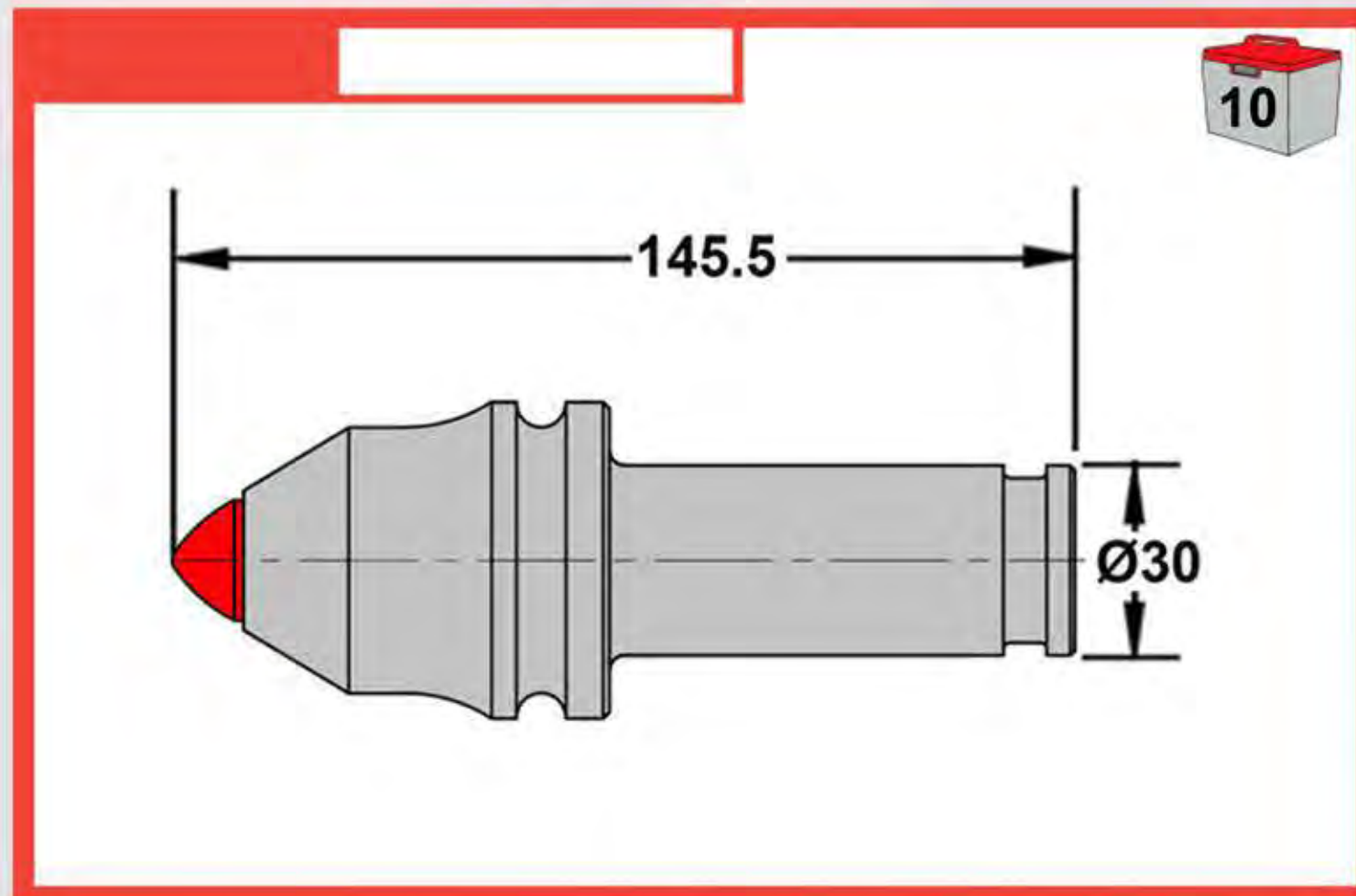


### CP75 - 118 SERIES

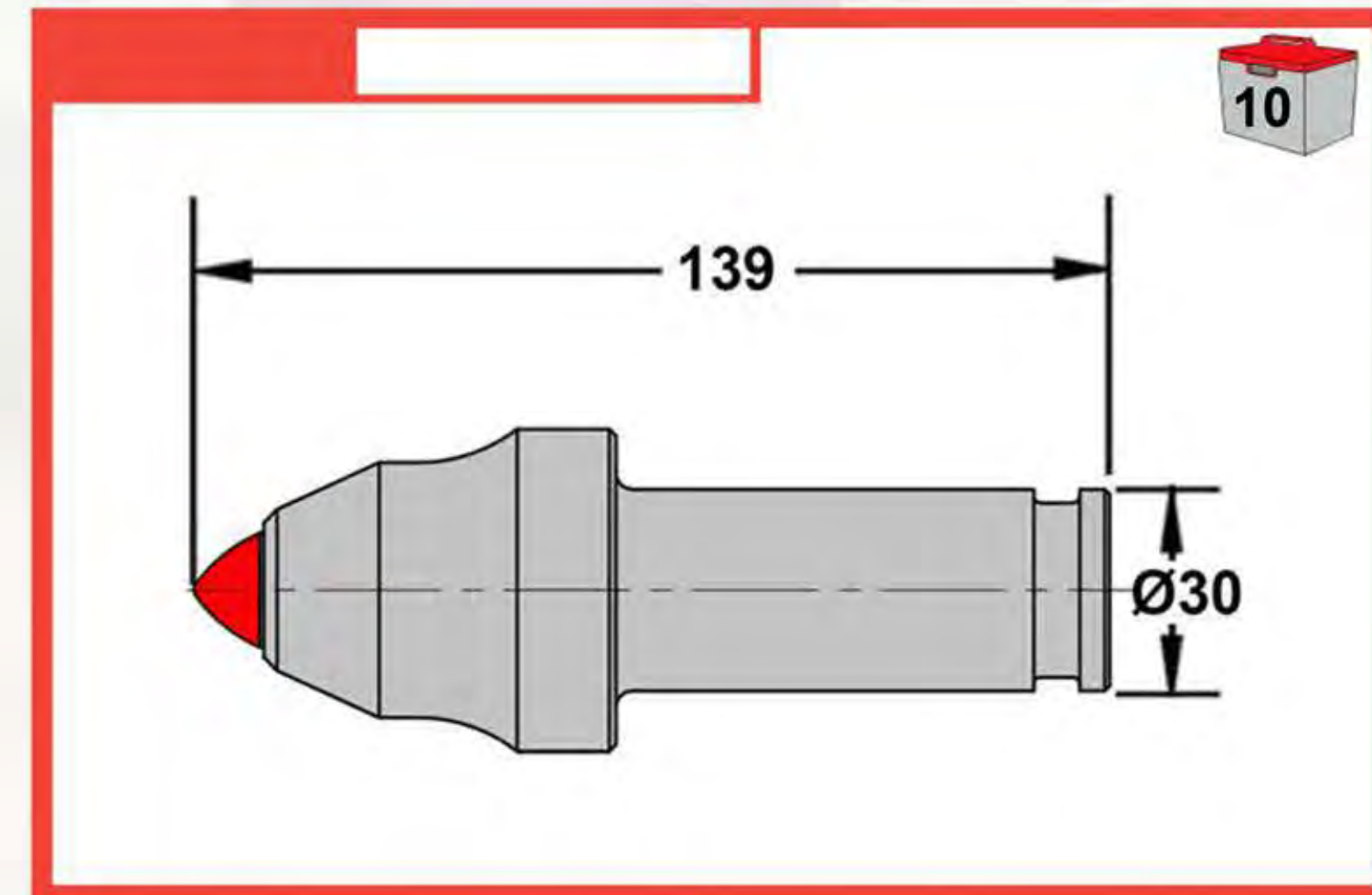
Straight Shank, Mid Retainer, 17mm Mushroom Insert



### CP77PRE - 118 SERIES



### CP78PRE - 118 SERIES





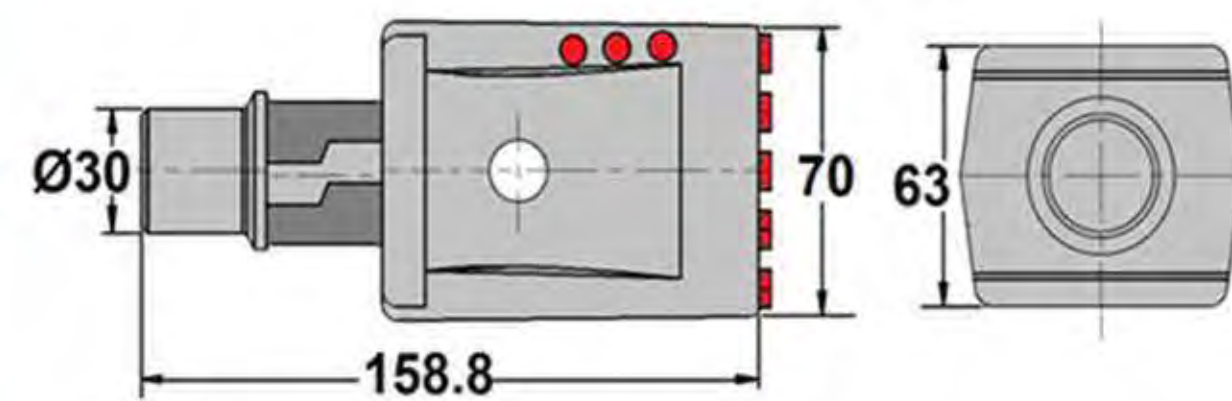
## FLAT PICKS & OTHER TEETH

### CPF70

Flat Pick

BLOCK: B-6F

Comparable: BFZ162

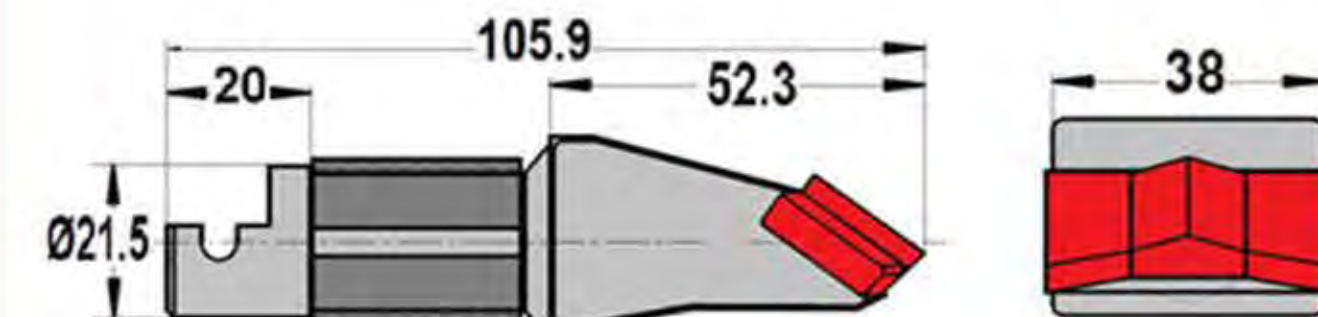


### CPF150

Flat Pick

HOLDER: B-3S

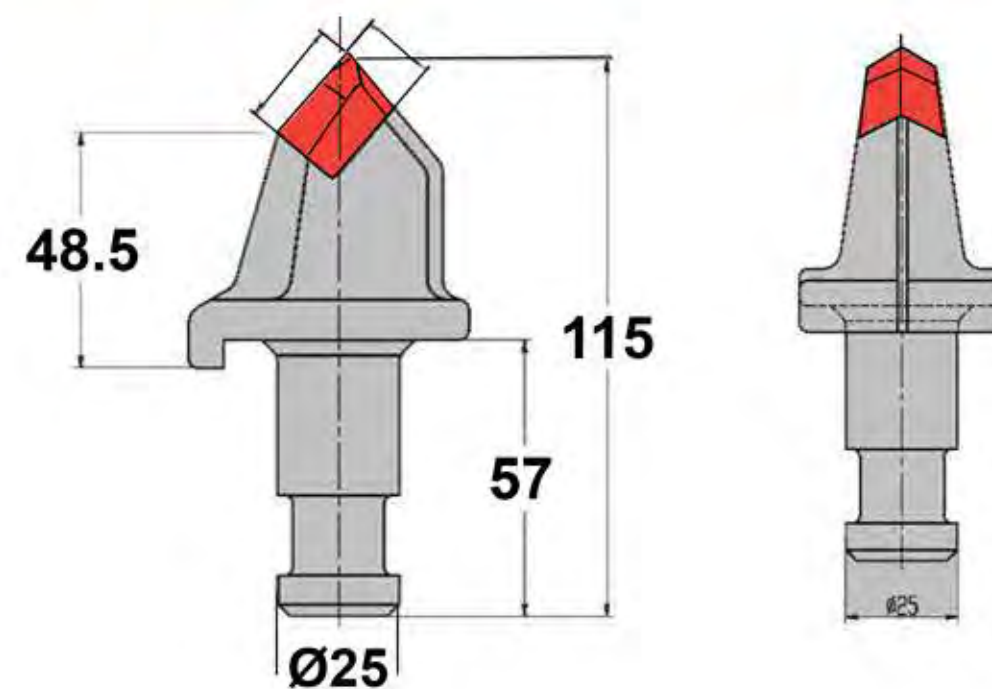
Comparable: AR150 87



### CPF08

Dragon Teeth

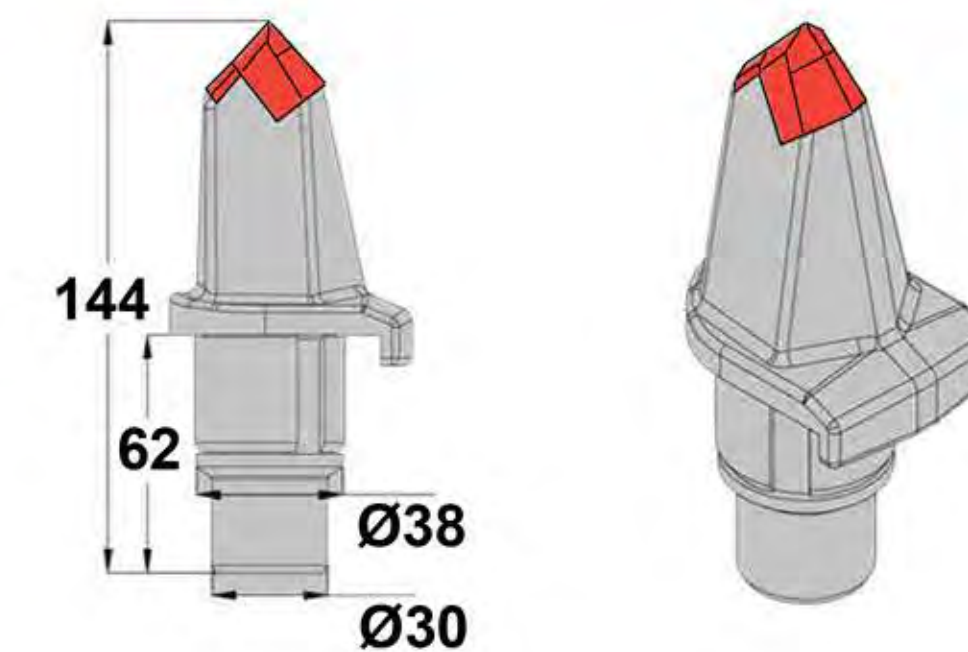
HOLDER:



### CPF607

Dragon Teeth

HOLDER:





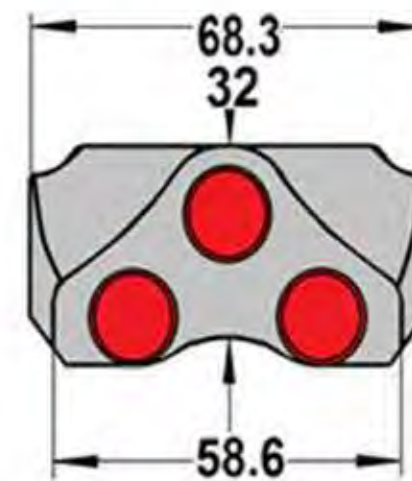
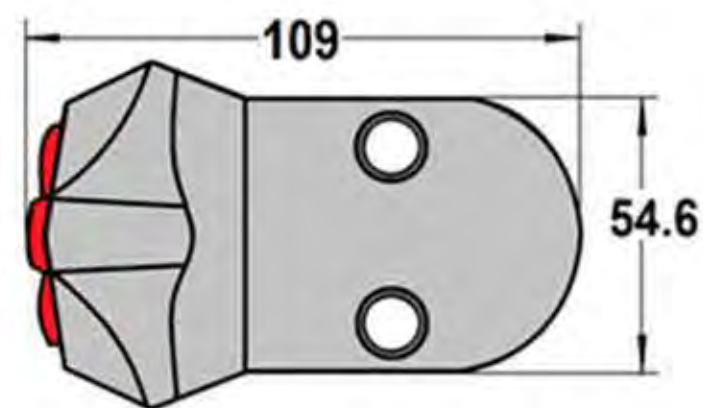
## OTHER TEETH

### QCB-39

Alloy Carbide casing Tooth for Hard Conditions

POCKET: QCB-39H

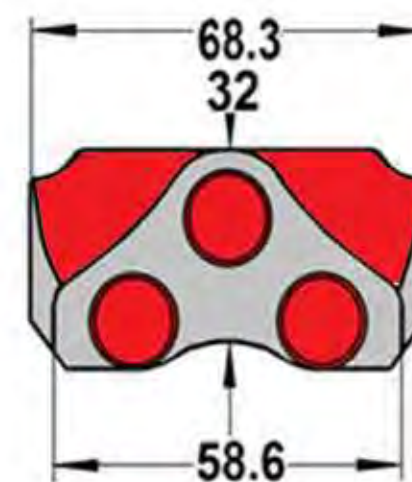
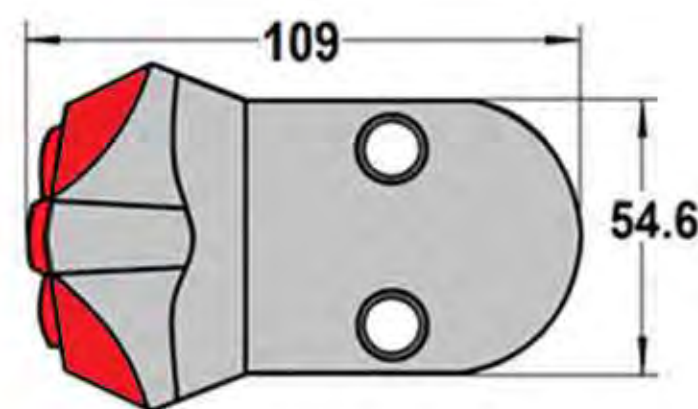
Comparable: WS39



### QCB-39S

Alloy Carbide Casing Tooth with Carbide Side

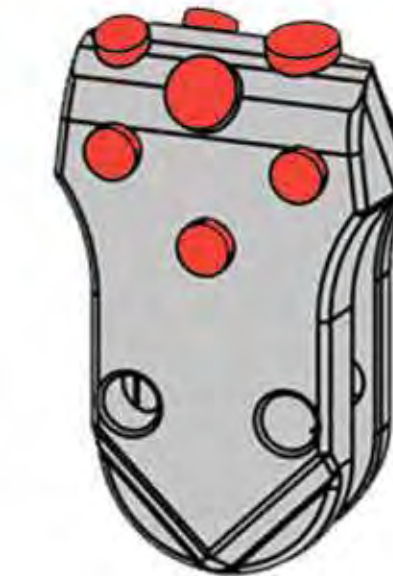
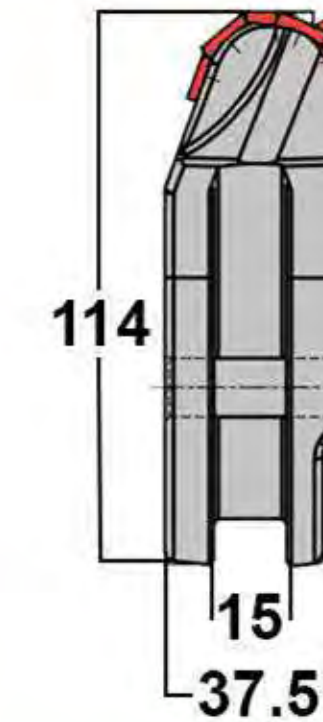
POCKET: QCB-39H



### QCB-39R

Carbide Casing Tooth for Hard Conditions

POCKET: QCB-39H

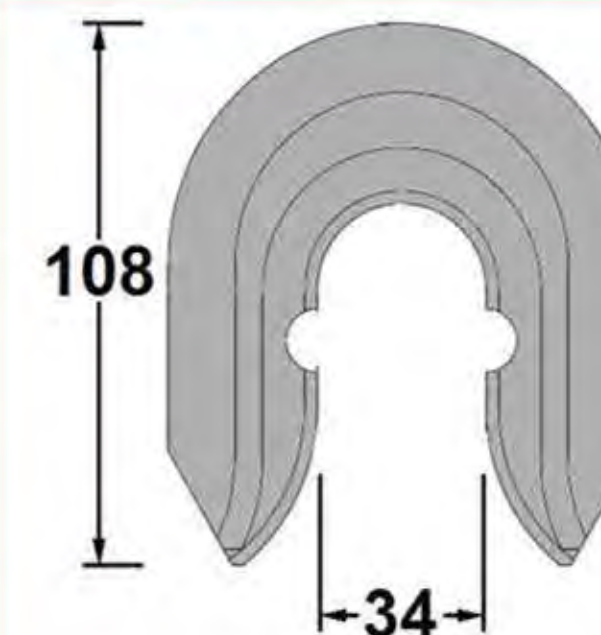


### QCB-39H

Pocket

TOOTH: QCB-39, 39R, 39S

Comparable: WS-39PM

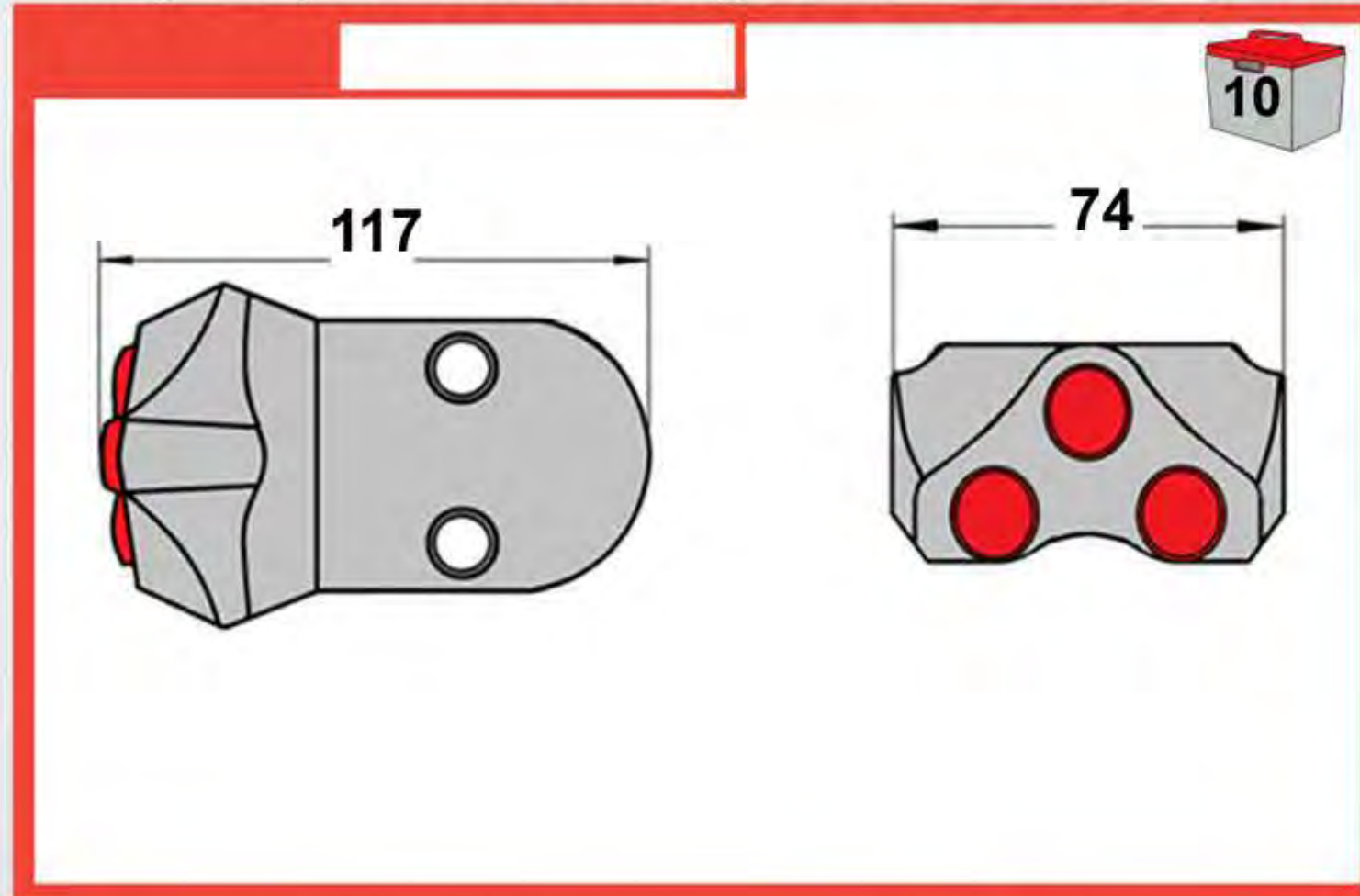




## OTHER TEETH

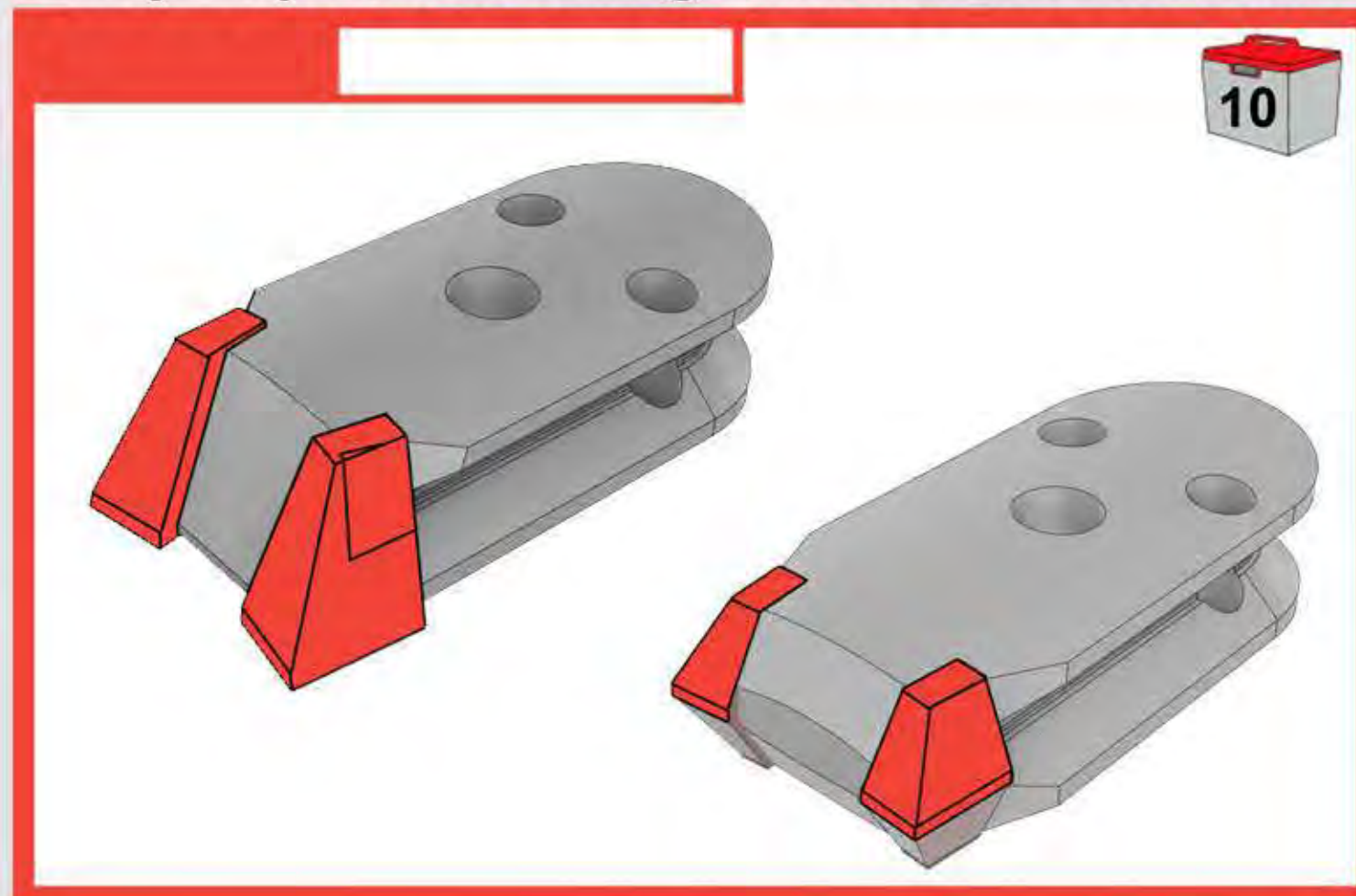
### QCB-46

Heavy Duty Carbide Casing Tooth for Hard Conditions



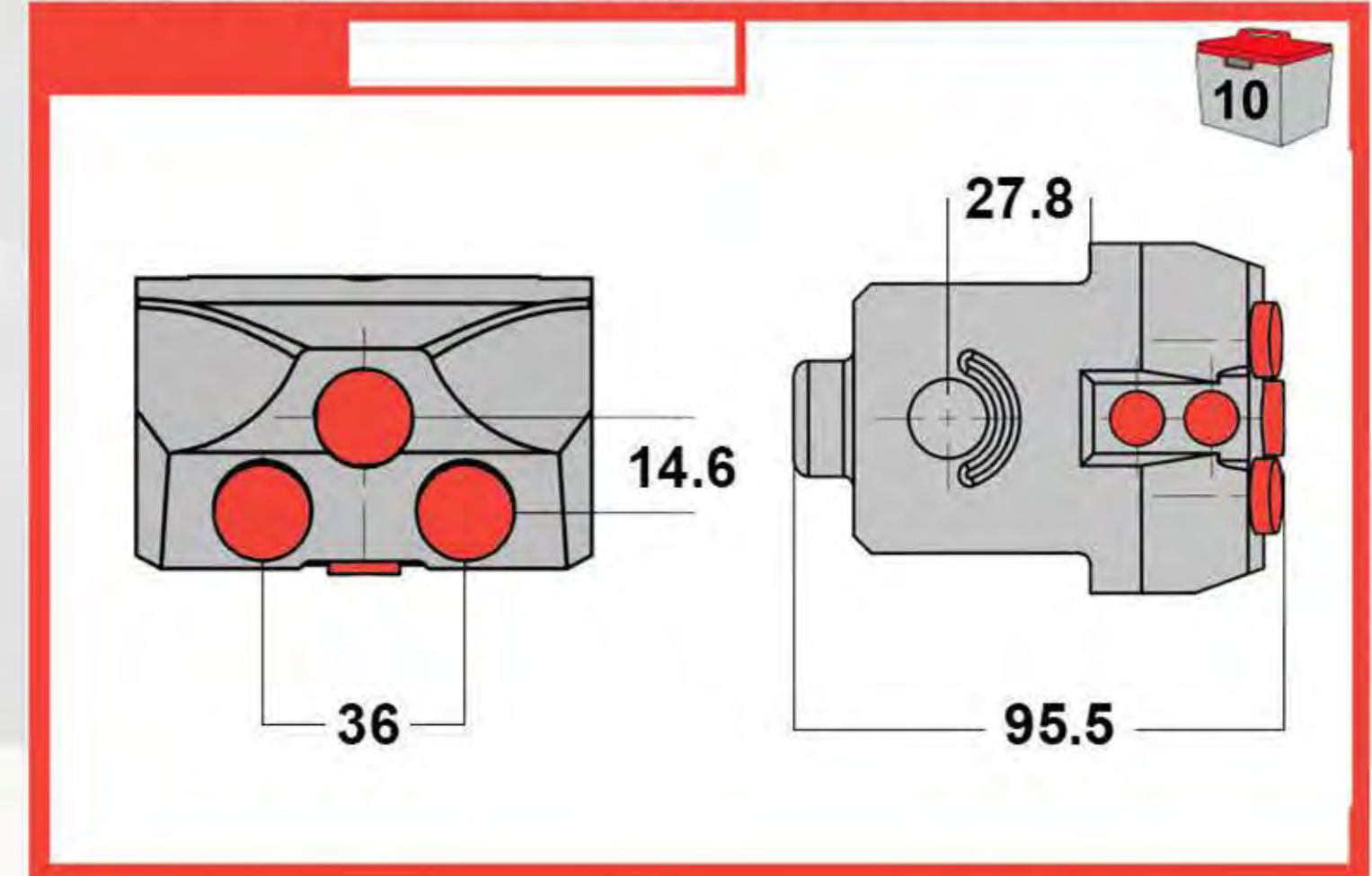
### QCB-60 INNER/OUTER

Heavy Duty Carbide Casing Tooth for Hard Conditions



### QCB-47

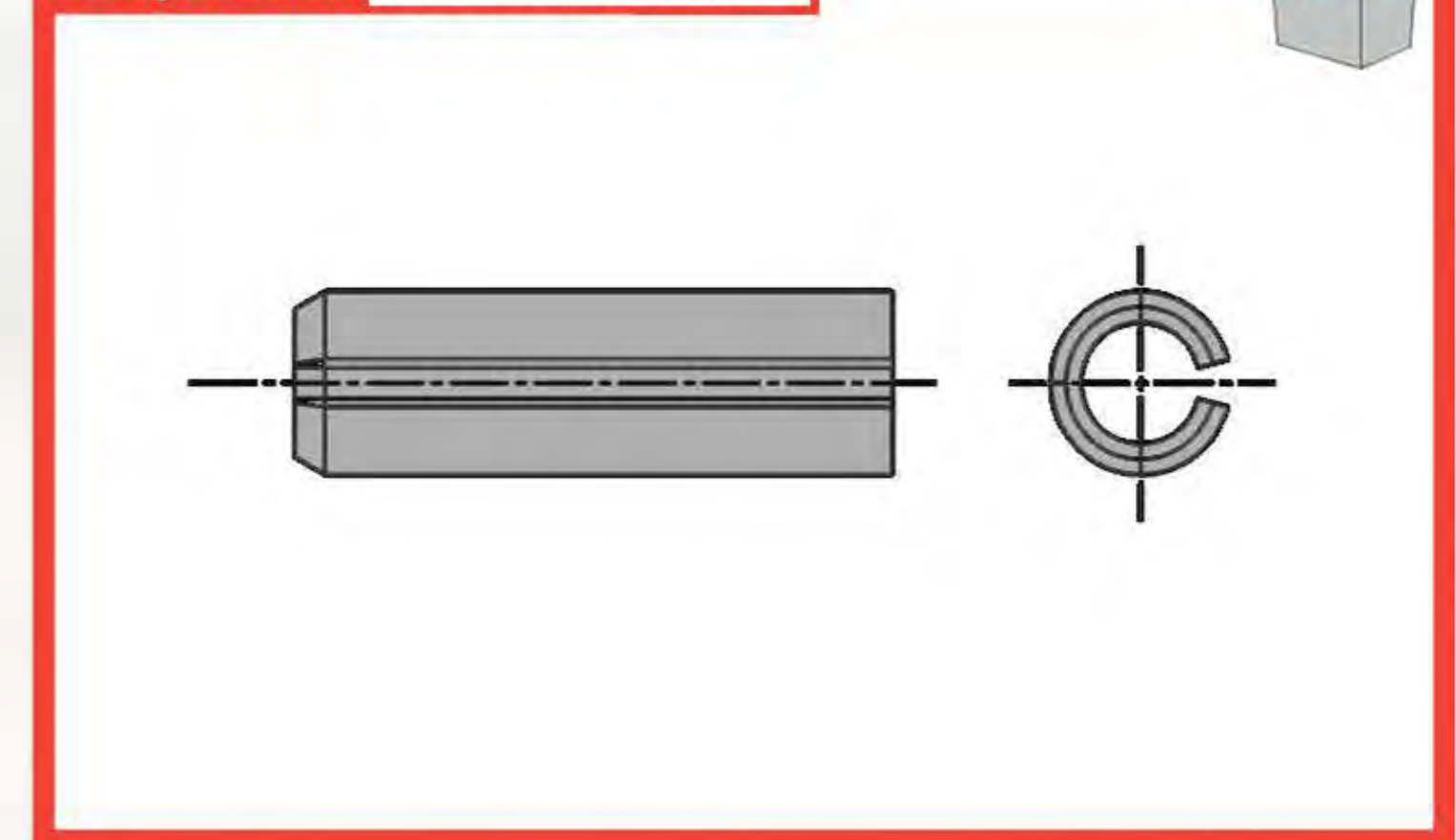
Heavy Duty Carbide Casing Tooth for Hard Conditions



### ROLLPINS

Listed as QCB39P & QCB-46P

Rollpins fit: QCB39, QCB46

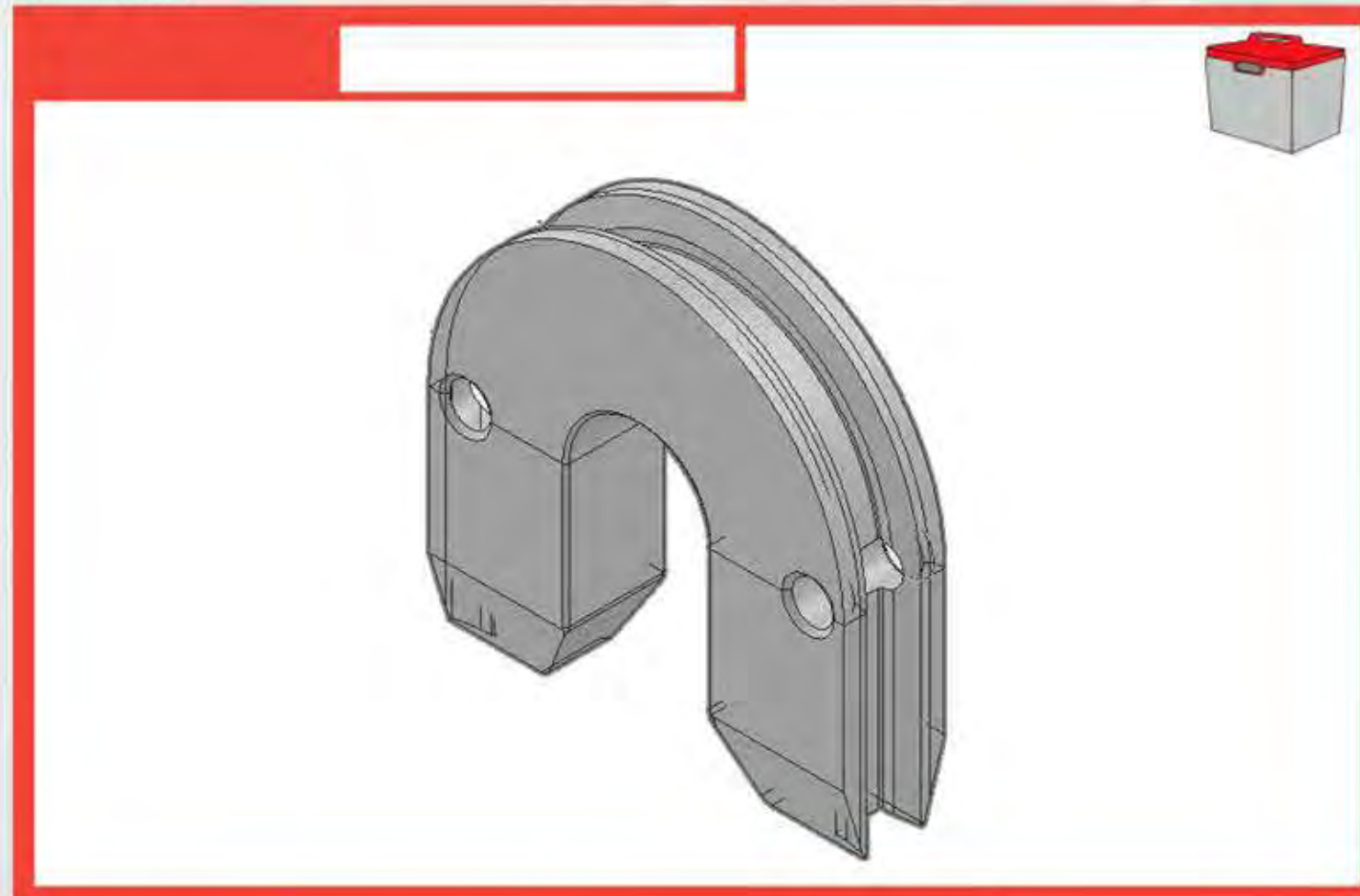




## TOOLS & ACCESSORIES

### CDA SHOE

Holder



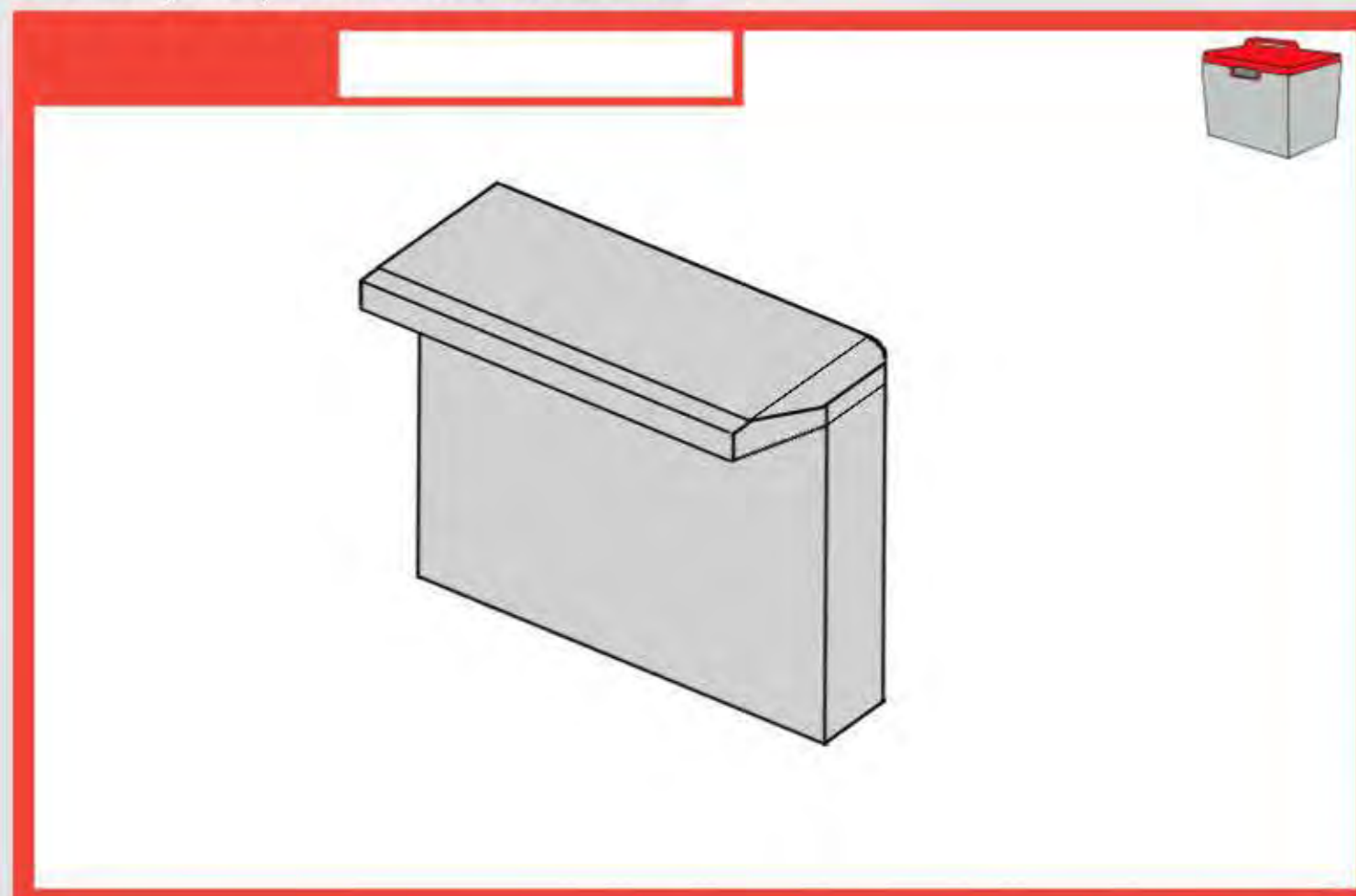
### FUN FACT

*Hardmetals has a wide range of augers, hole openers, buckets, hammers, boring tools and casing pullers available for rentals!*



### WBA-38 & 38X

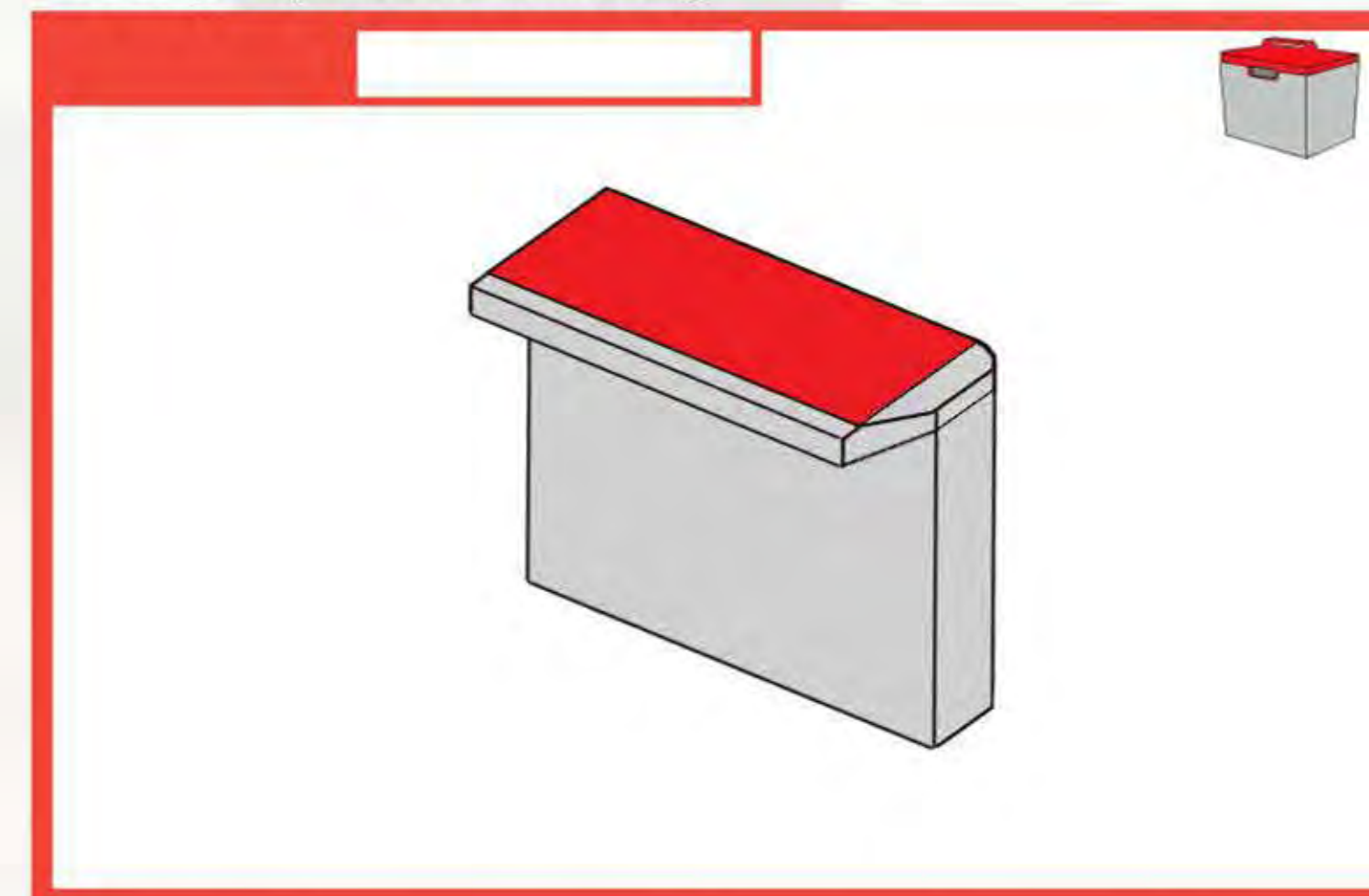
Wear pad, RC50 Available



Quantity Available  
As Requested

### WBA-38HF

Wear pad, Hard Surfacing



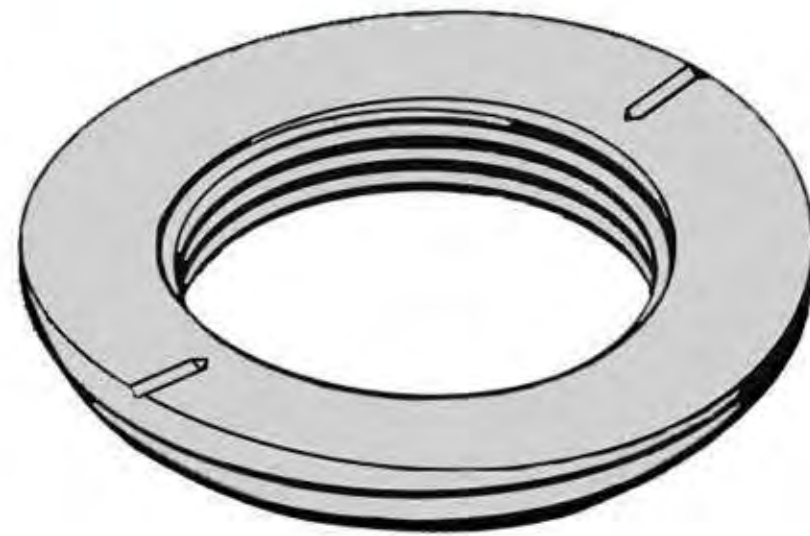


## TOOLS & ACCESSORIES

### EMBRV-02

Threaded conical joint

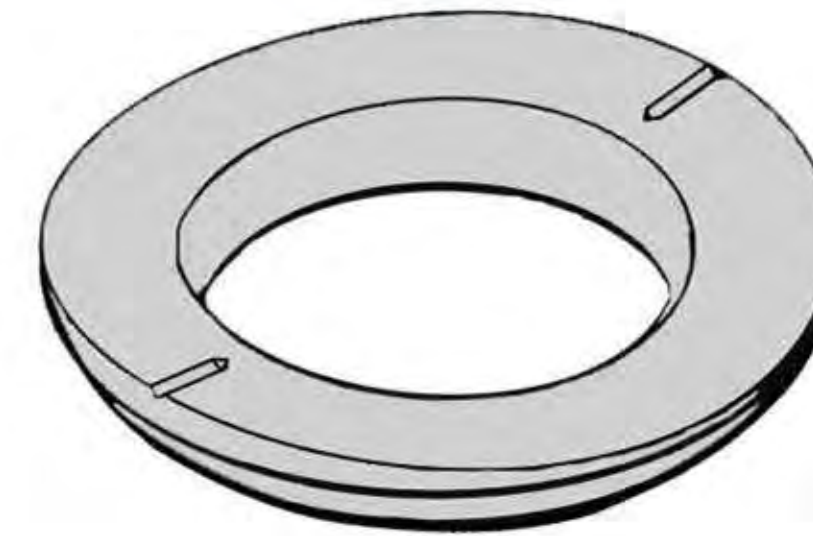
PIN/PUCK: EMBRV-08 & 10



### EMBRV-03

Non-threaded conical joint

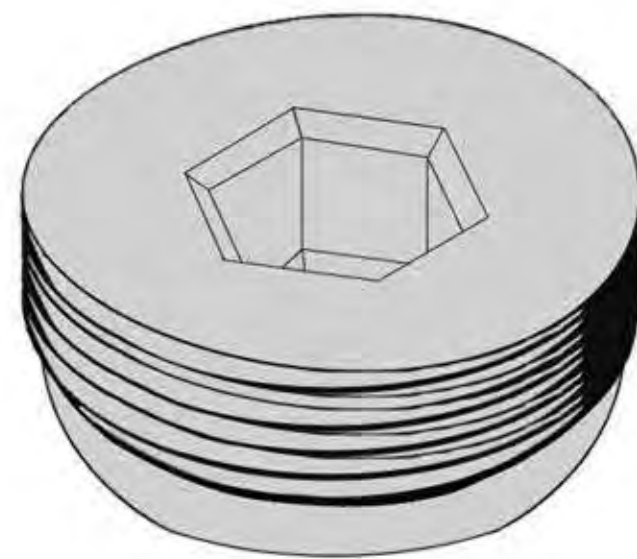
PIN/PUCK: EMBRV-08 & 10



### EMBRV-08

Threaded Pin/Puck For EMBRV-02

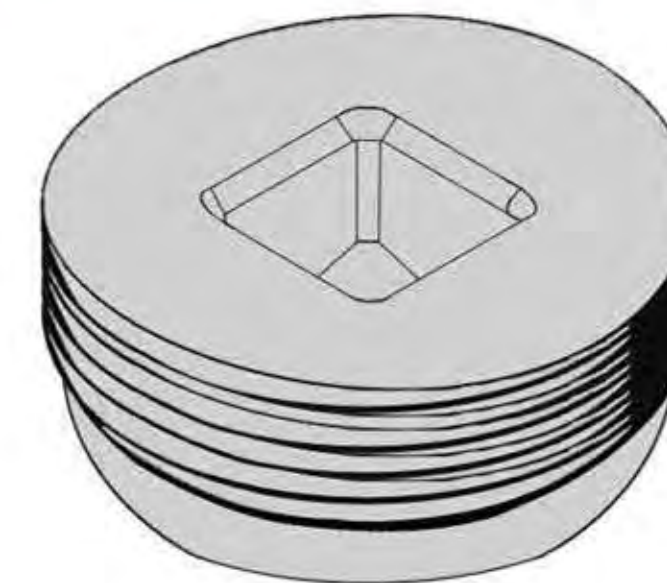
JOINT: EMBRV-02 & 03



### EMBRV-10

Threaded Pin/Puck For EMBRV-03

JOINT: EMBRV-02 & 03



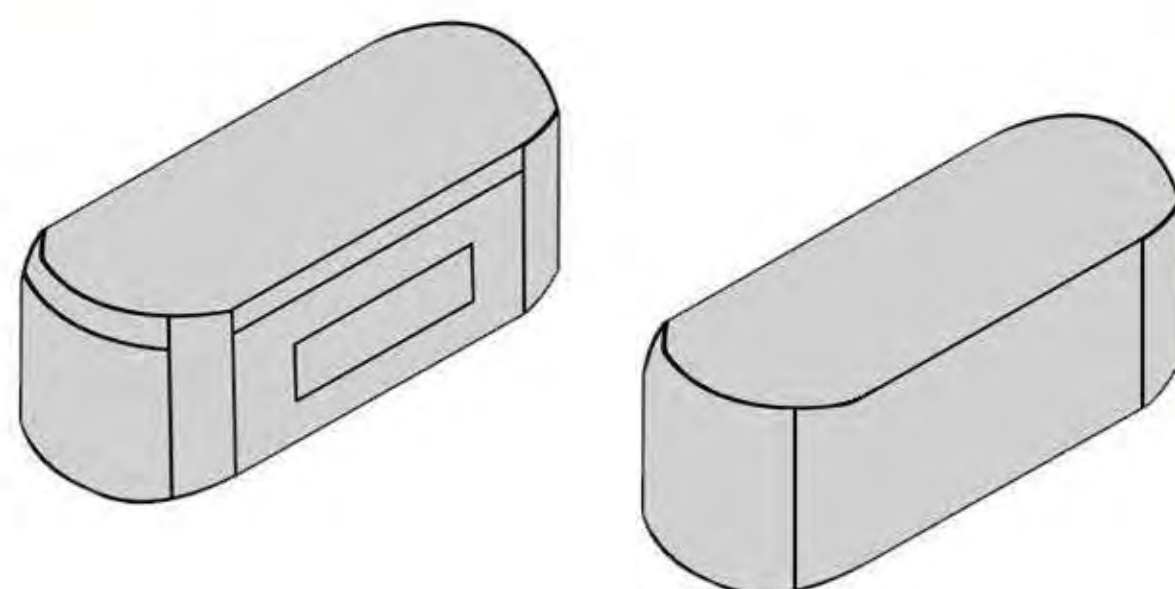


## TOOLS & ACCESSORIES

### EMBRV 32 & 32 Modified

Lock Pin

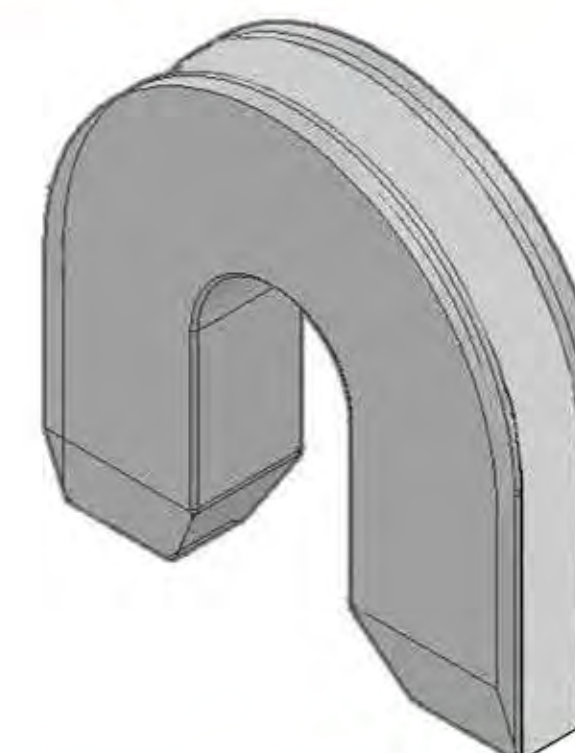
HOLDER: EMBRV-32H



### EMBRV-32H

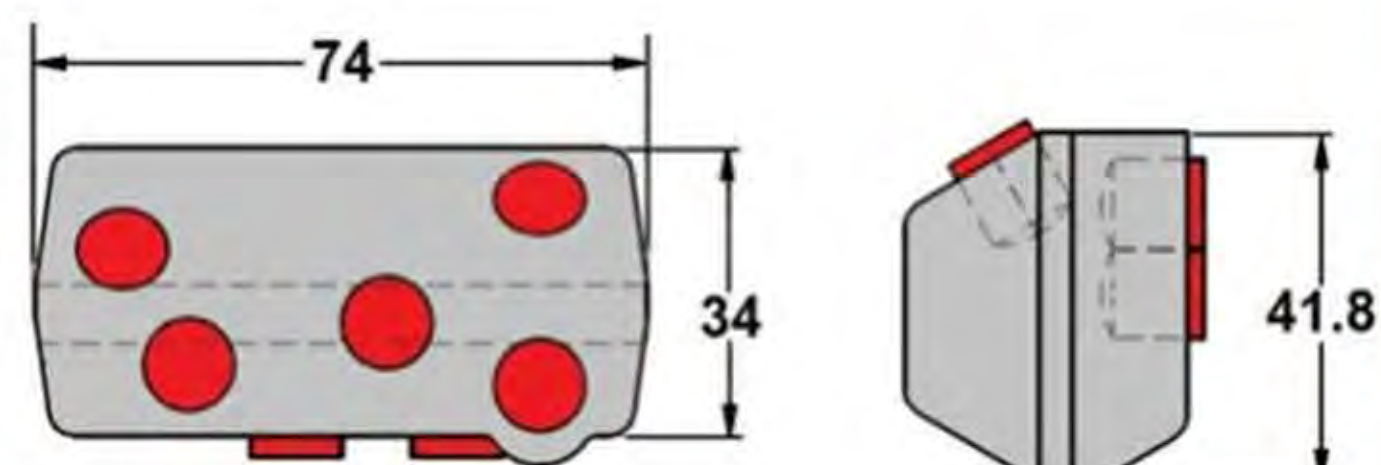
Holder

LOCK PIN: EMBRV-32



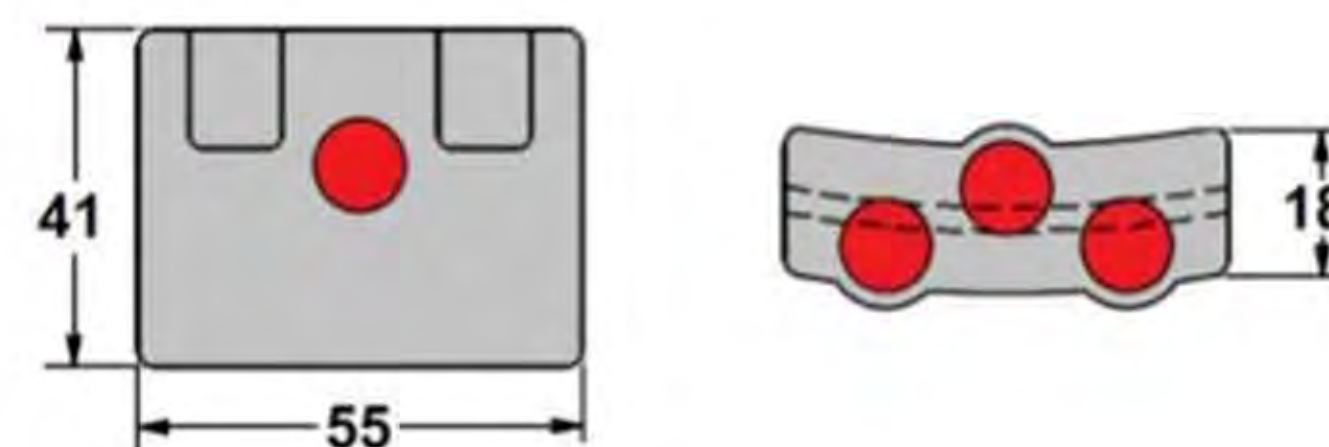
### WBA04

Weld on Bar with Carbide Insert



### WBA55

Weld on Bar with Carbide Insert

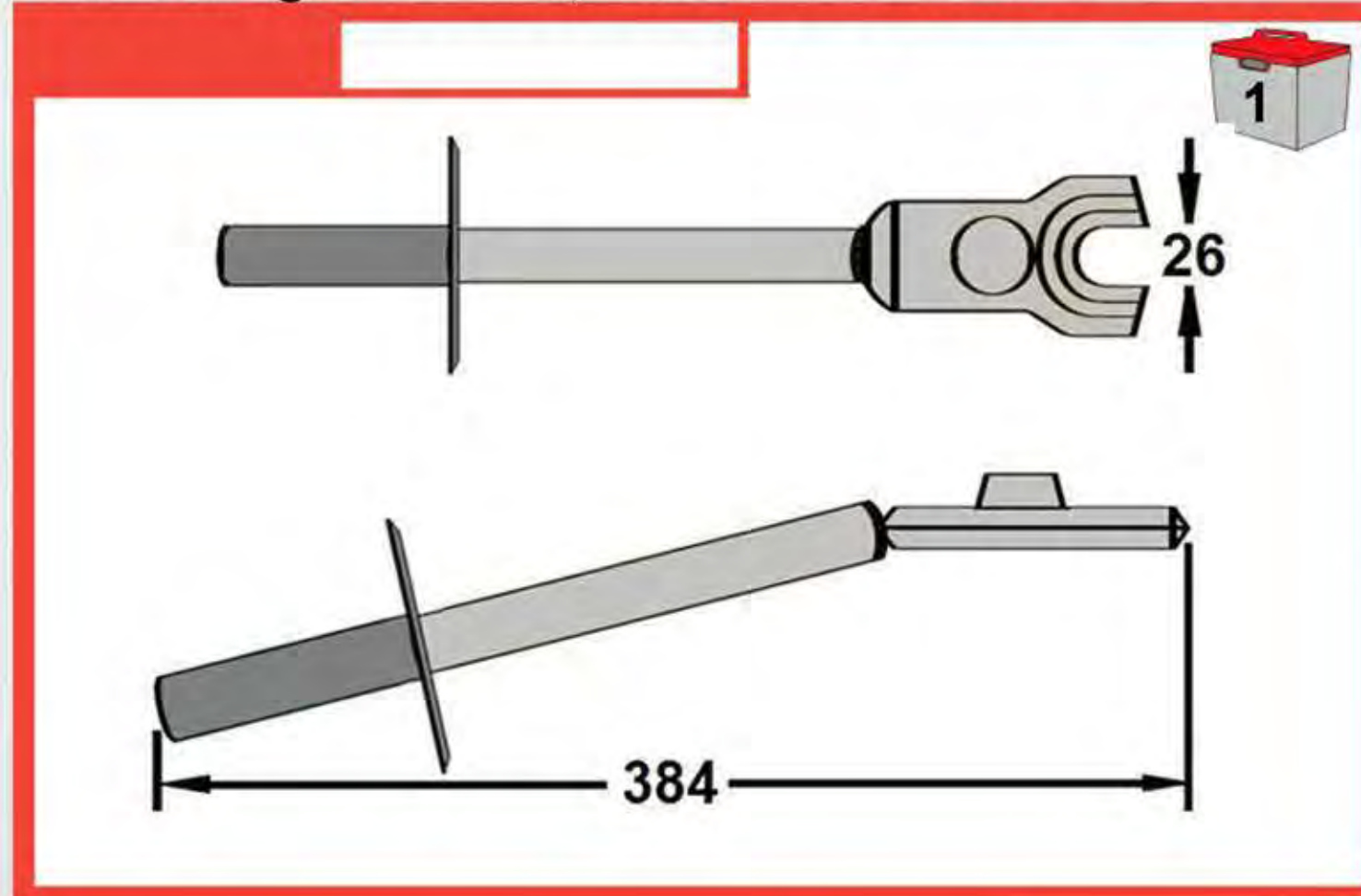




## TOOLS & ACCESSORIES

### TEETH PULLER

Interchangeable Head, All Sizes Available



### HAMMER TOOTH PULLER

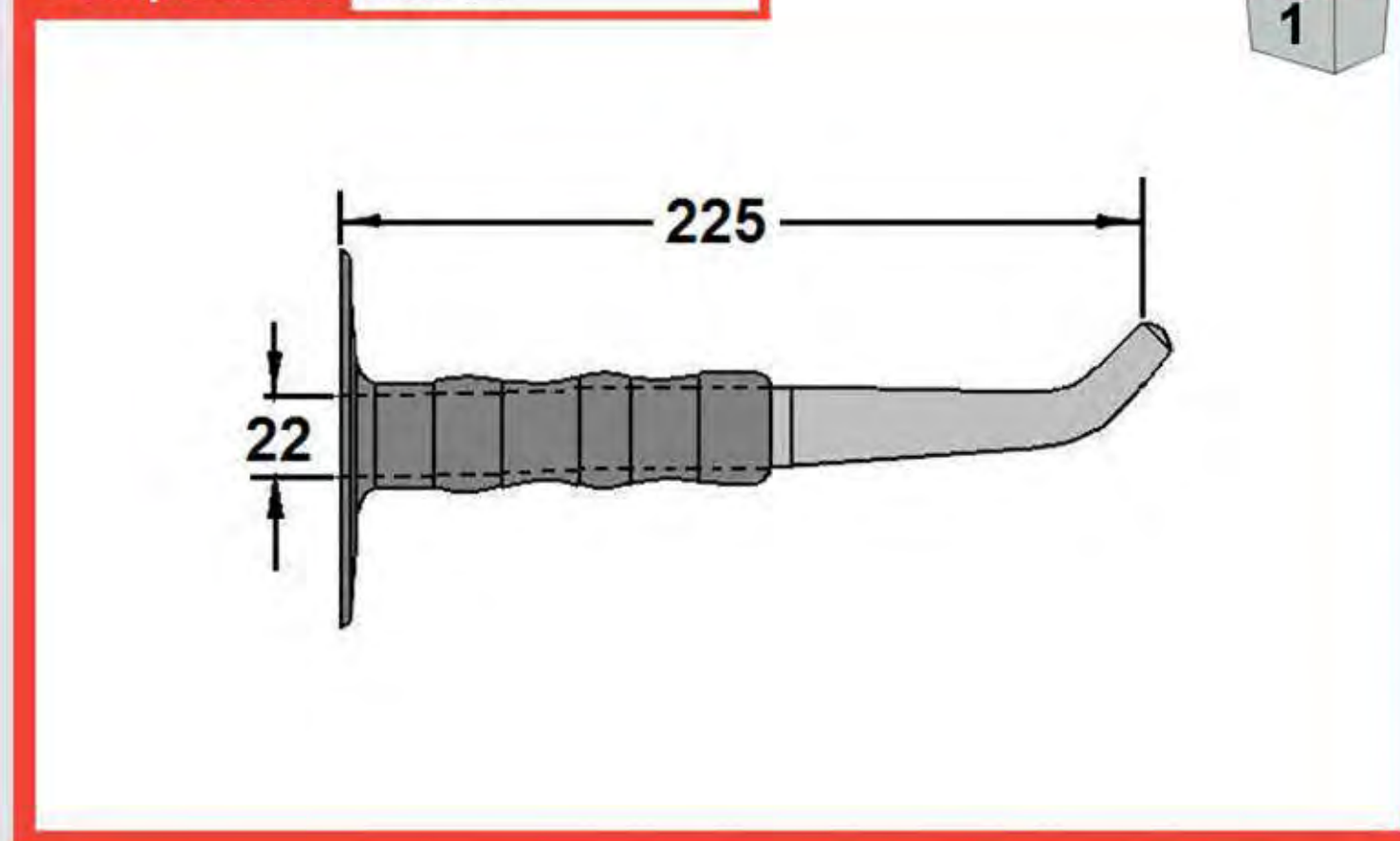
Interchangeable Head, Custom Sizes Available



### CP12 - P2 & 3

ANGLED HAMMER PUNCH

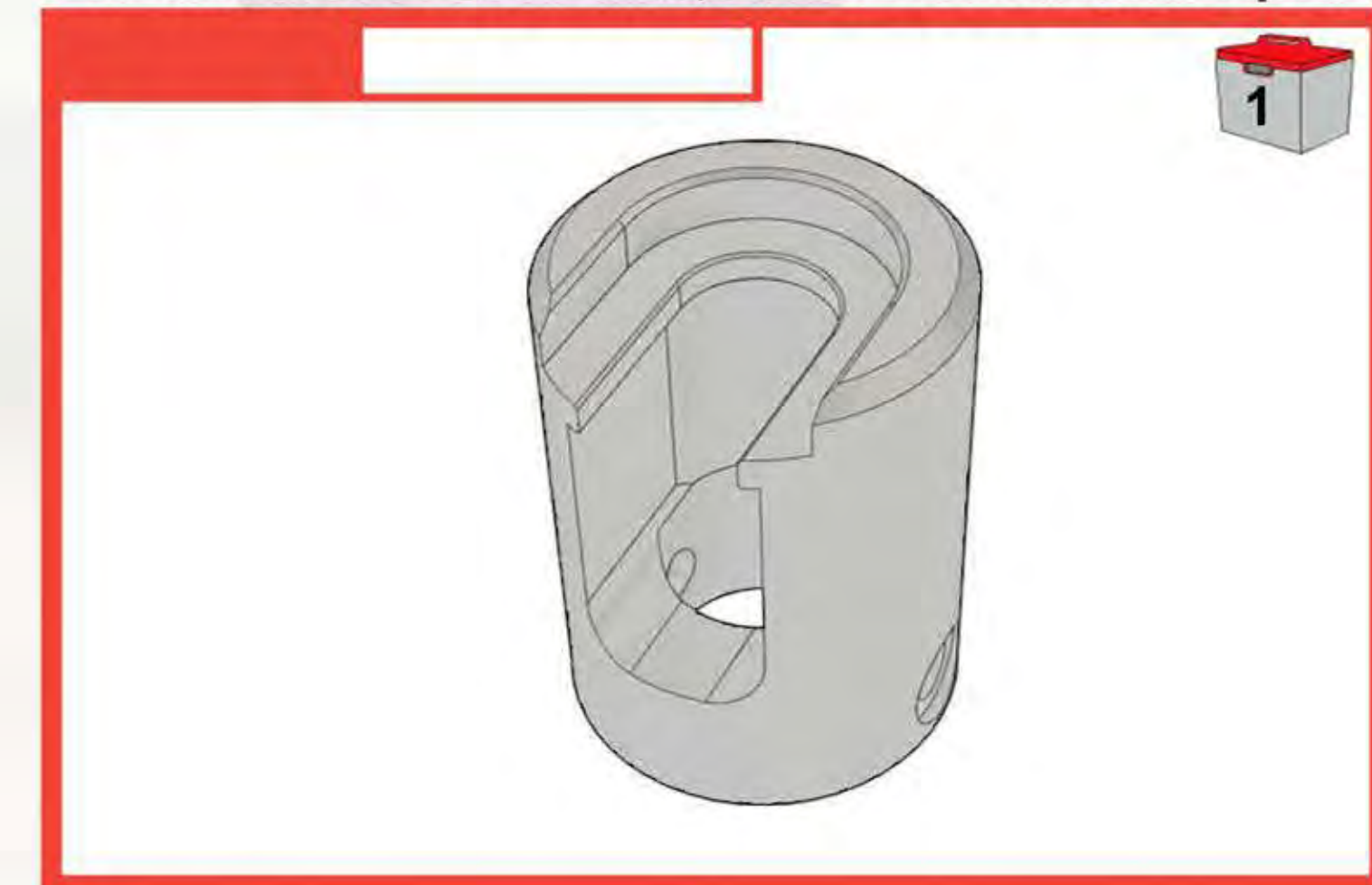
Comparable: KHP2



Extraction tools can be  
custom made  
as required

### INTERCHANGABLE HEAD

For Hammer Tooth Puller, All Sizes Available Upon Request





## PLUGS & CFA AUGER

### EMAPLUG-1

5 Inch Plug



### EMAPLUG-2

6 Inch Plug



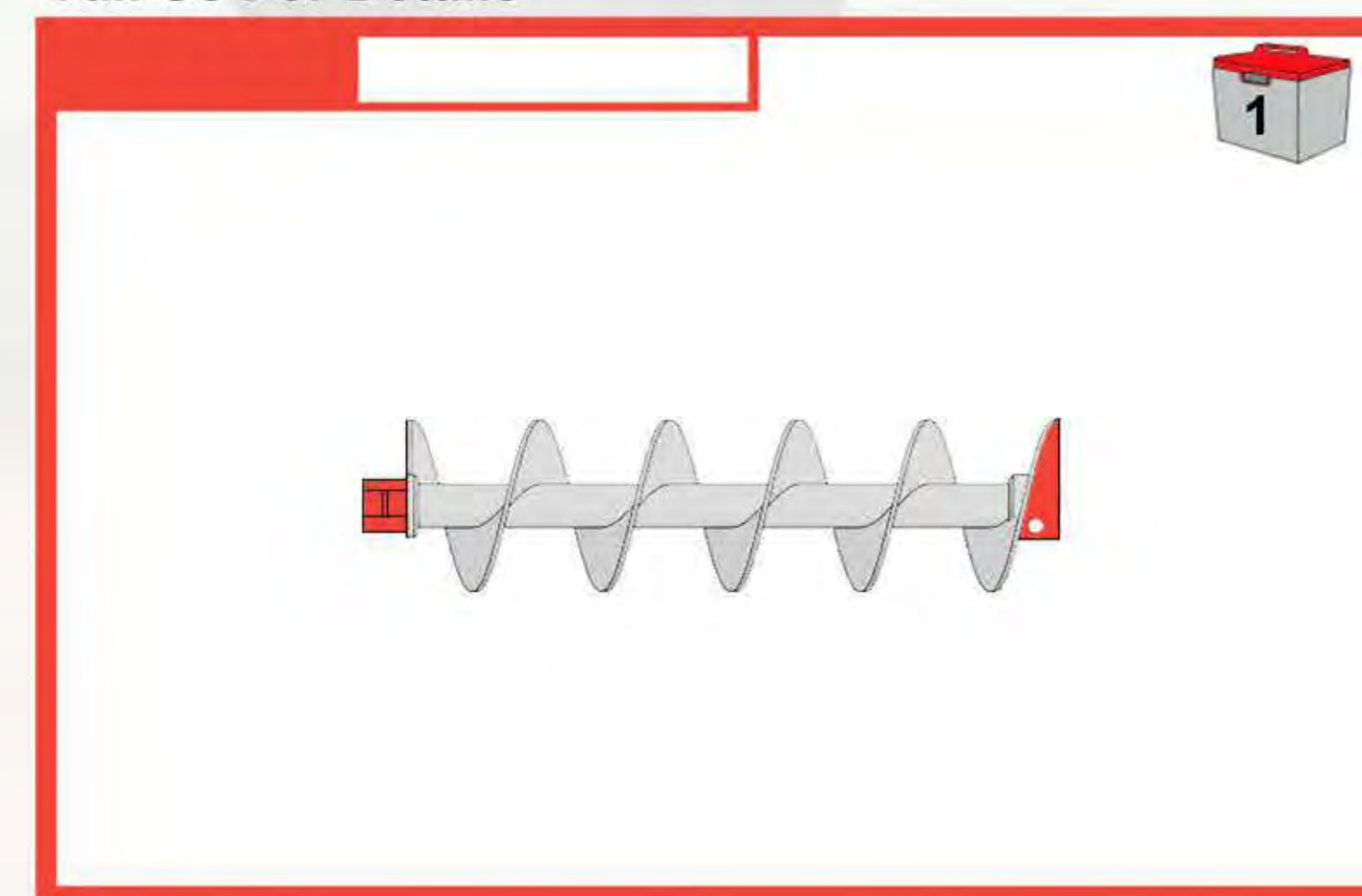
### HOLLOW STEM

Drill Head & Accessories



### CFA AUGER

Call Us For Details



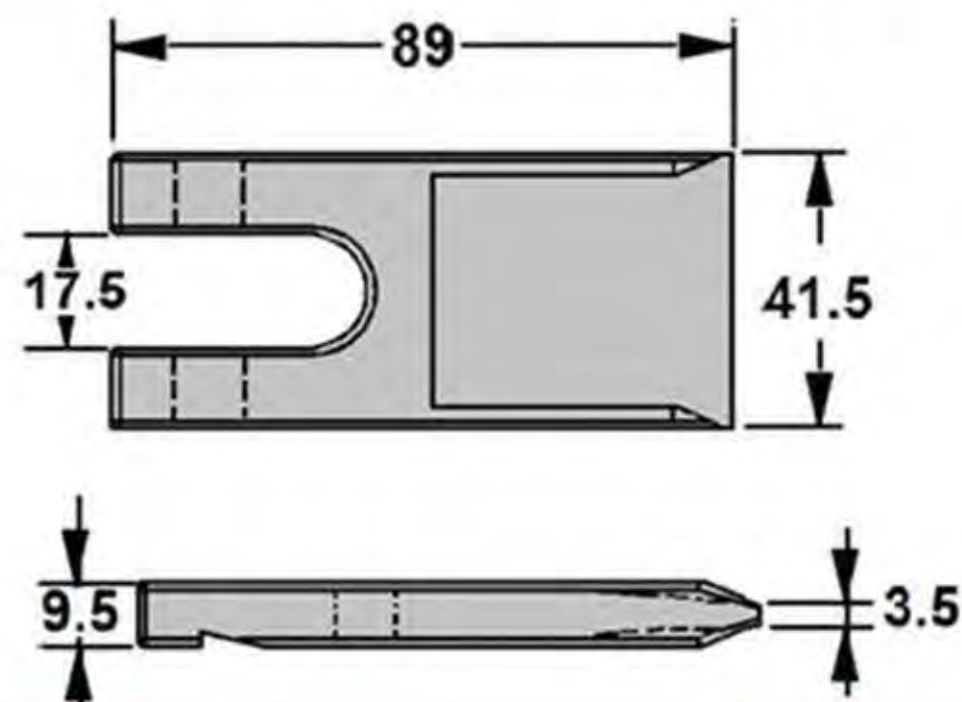


## DIRT TEETH

### EMF505 - 35 SERIES

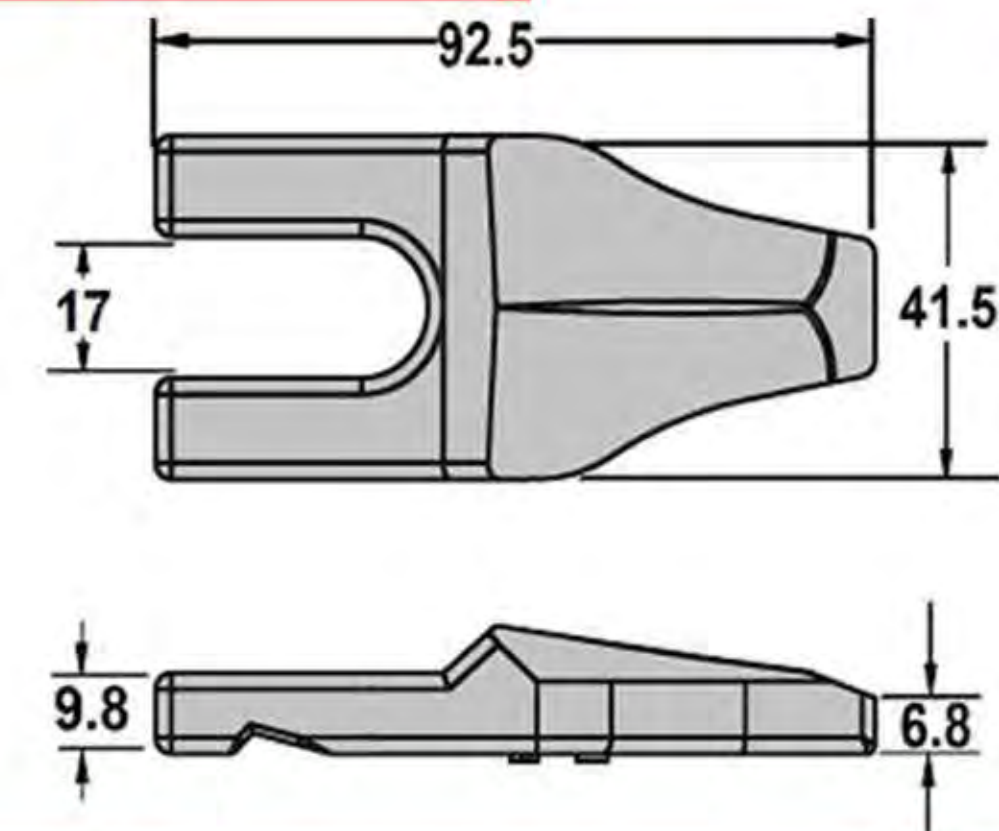
Plain Dirt Tooth

Comparable: 1650/2070



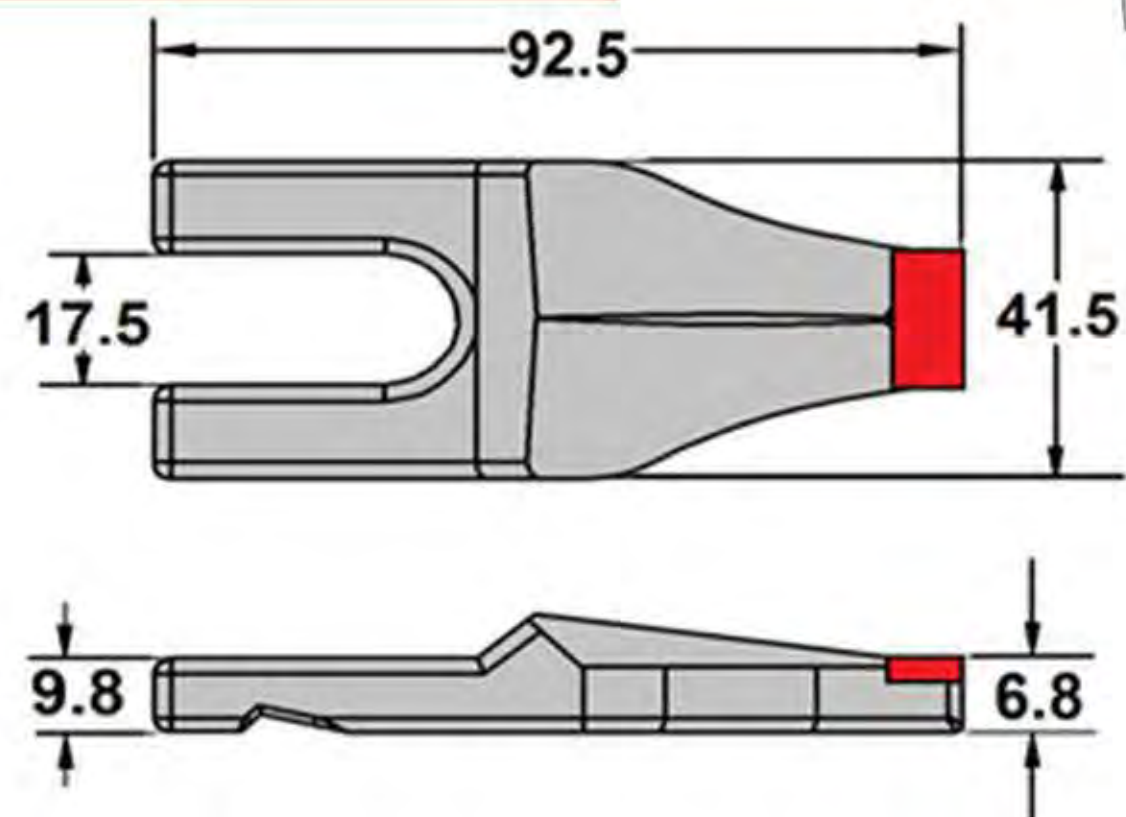
### EMF506 - 35 SERIES

Plain Chisel Tooth



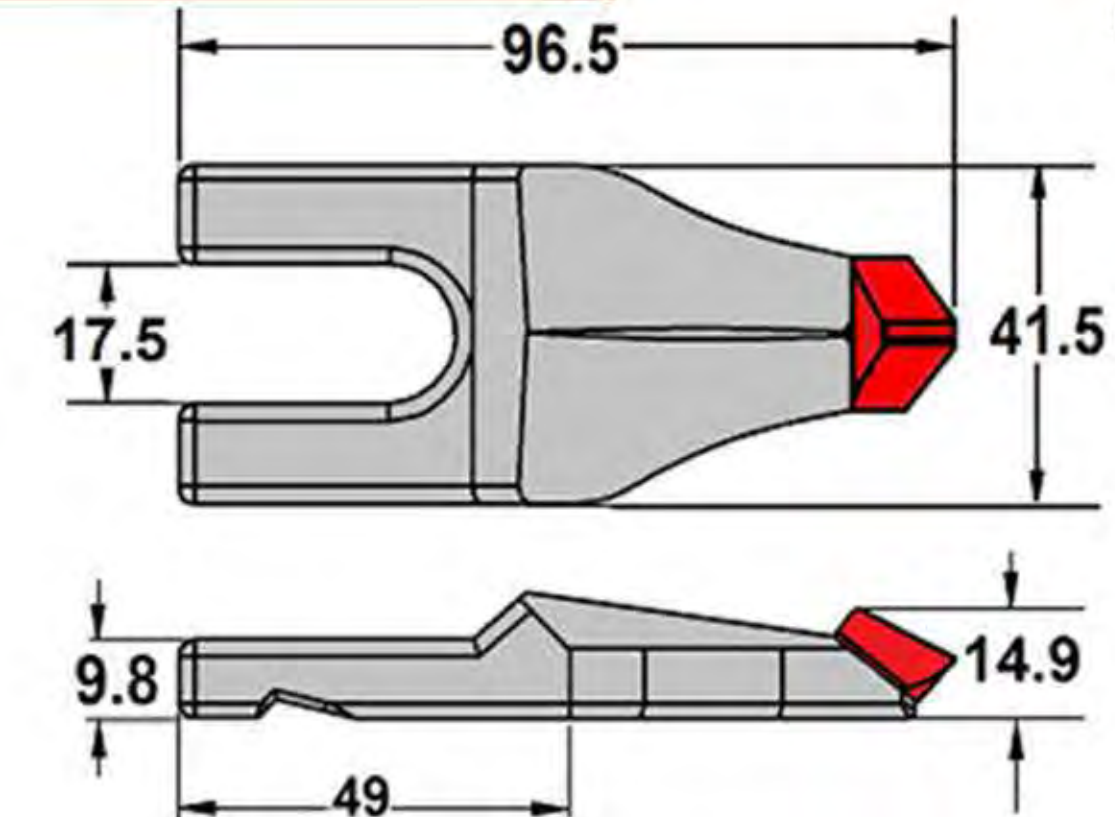
### EMF508 - 35 SERIES

Chisel Tooth, Carbide Tipped



### EMF509 - 35 SERIES

Chisel Tooth, Carbide Tipped, FW Insert

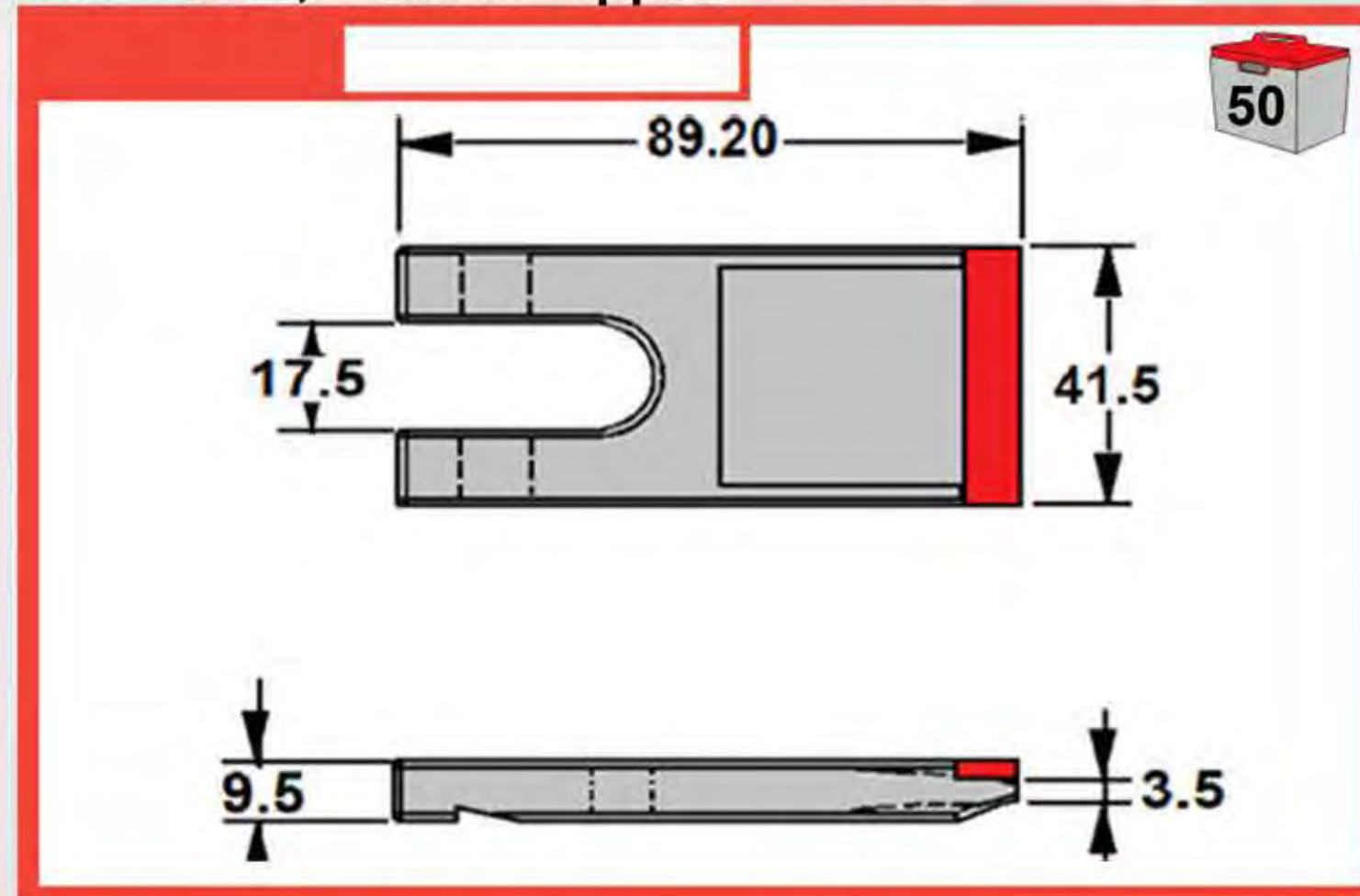




## DIRT TEETH

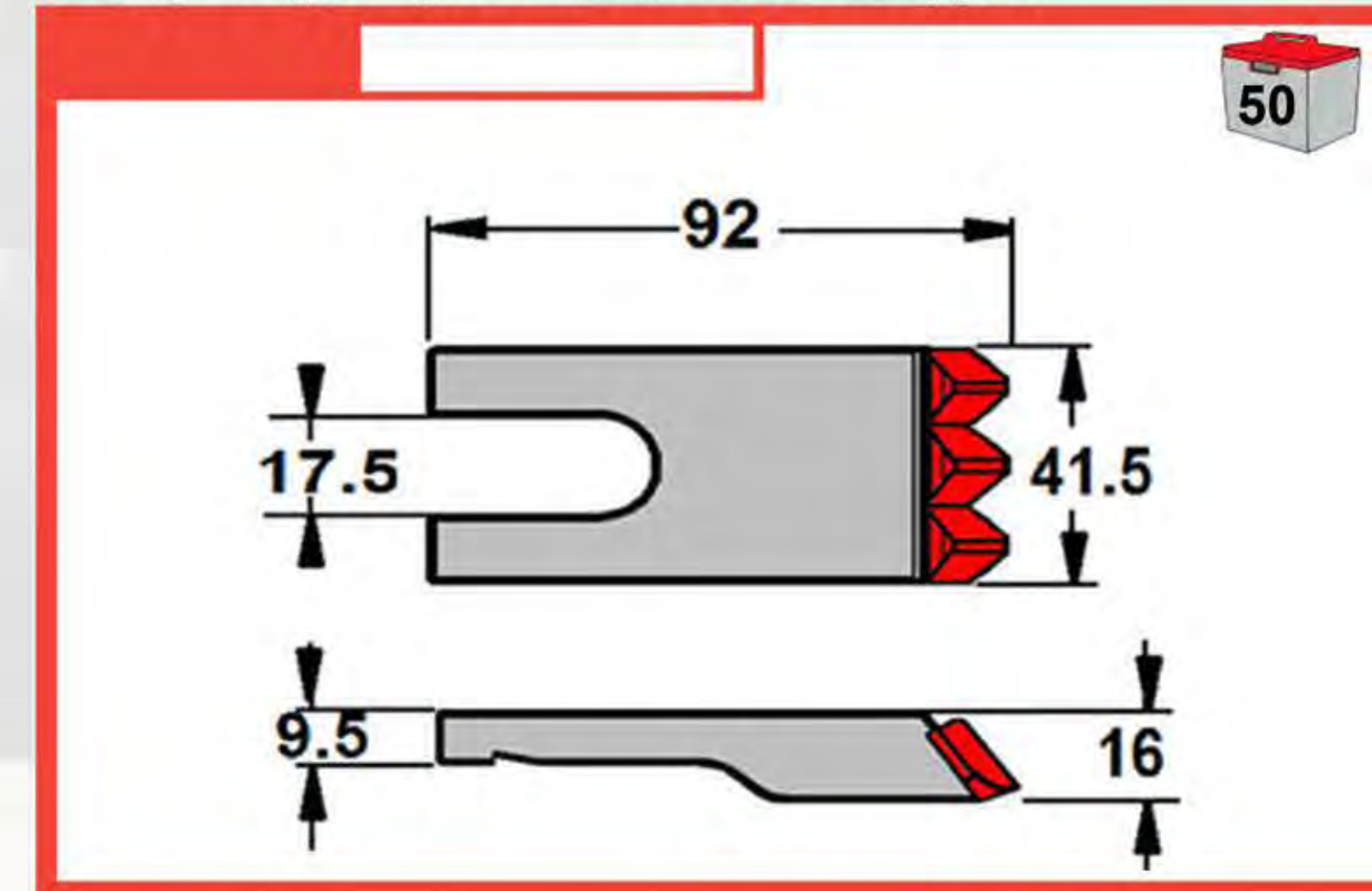
### EMF527 - 35 SERIES

Flat Tooth, Carbide Tipped



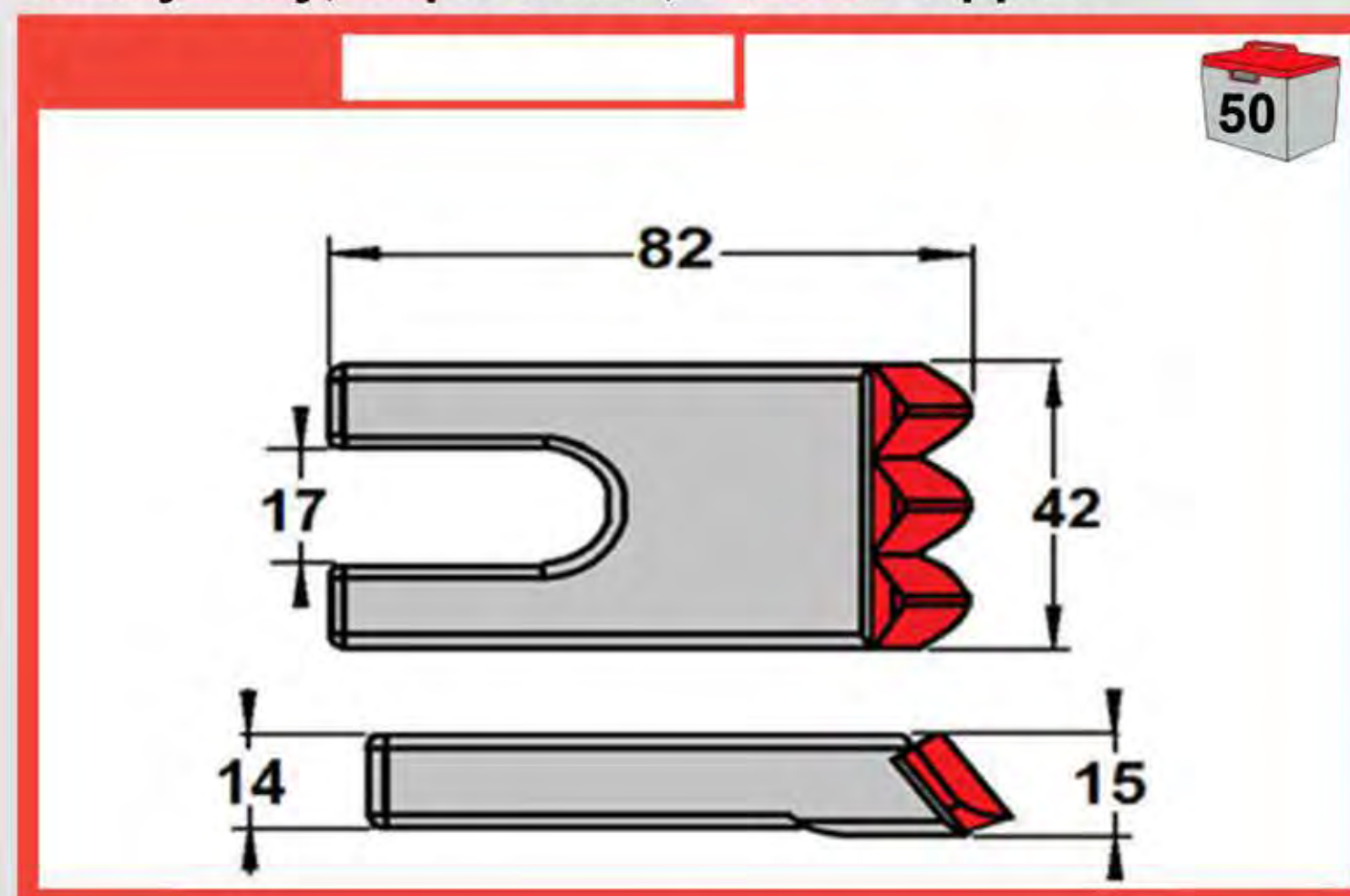
### EMF535 - 35 SERIES

Heavy Duty, Triple Teeth, Carbide Tipped



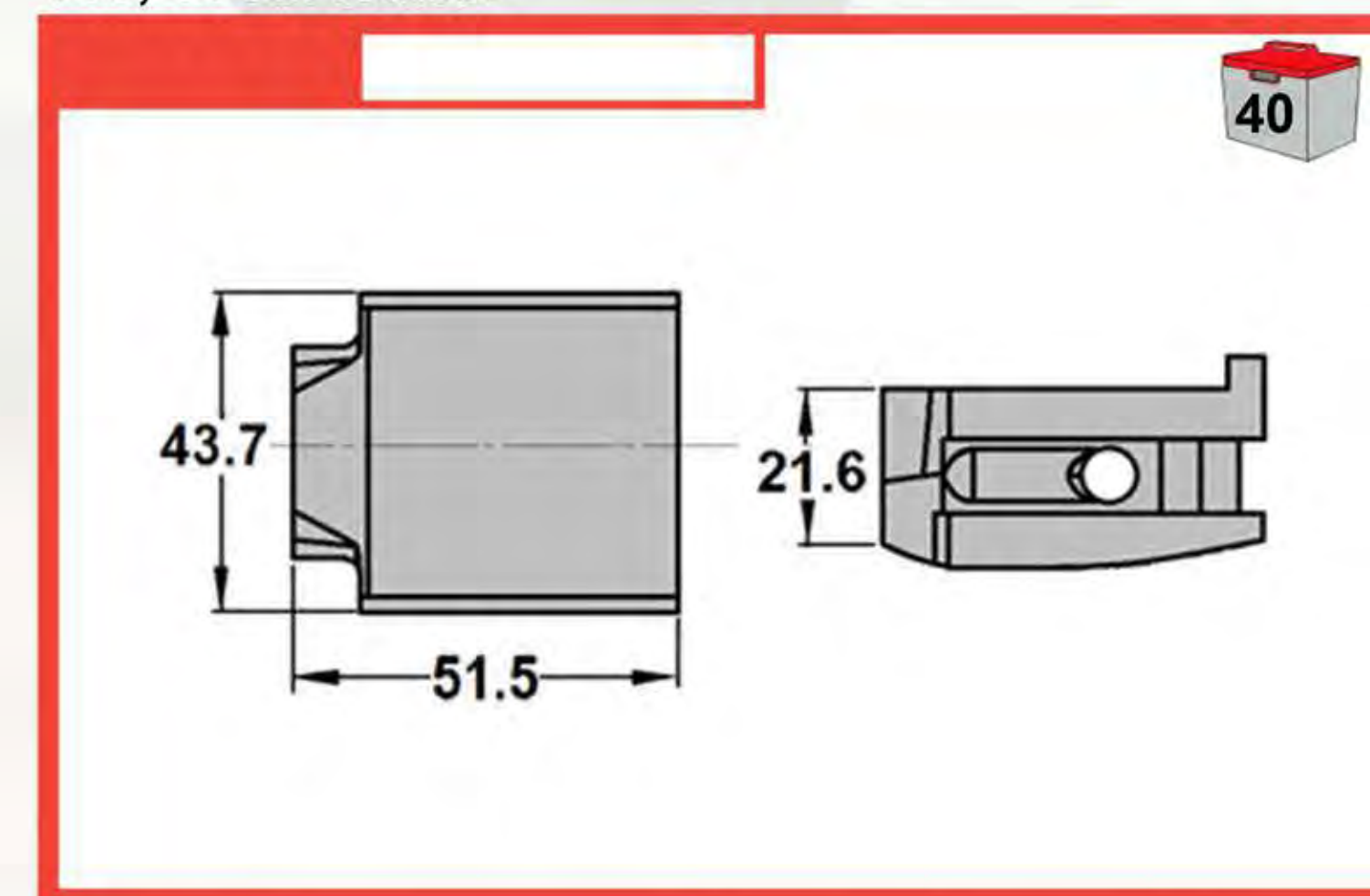
### EMF535-14 - 35 SERIES

Heavy Duty, Triple Teeth, Carbide Tipped



### EMF660 - 35 SERIES

T36, Tooth Holder



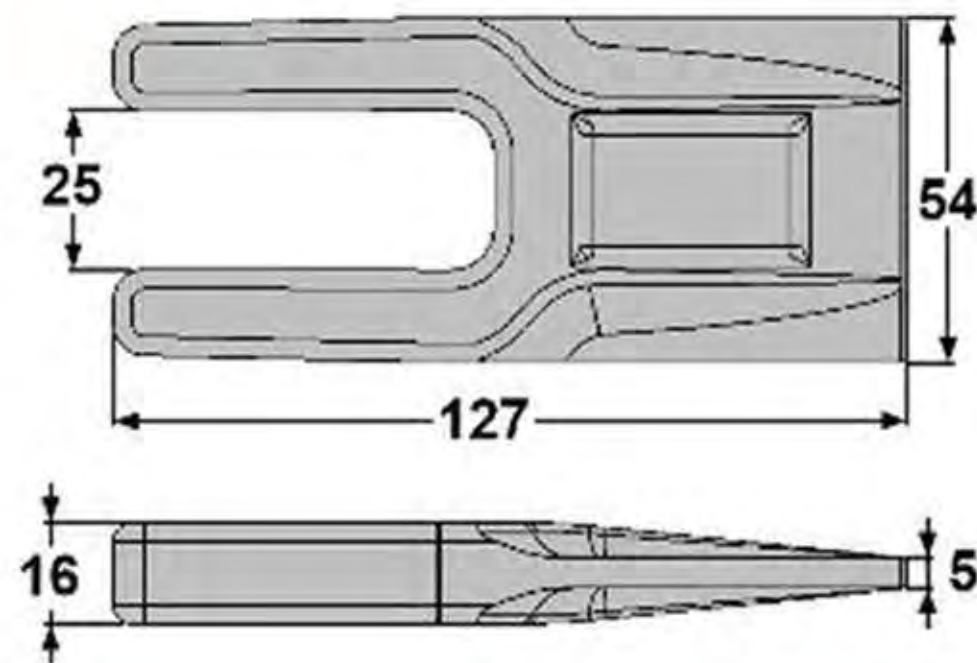


## DIRT TEETH

### EMP1650

For Regular Dirt Conditions

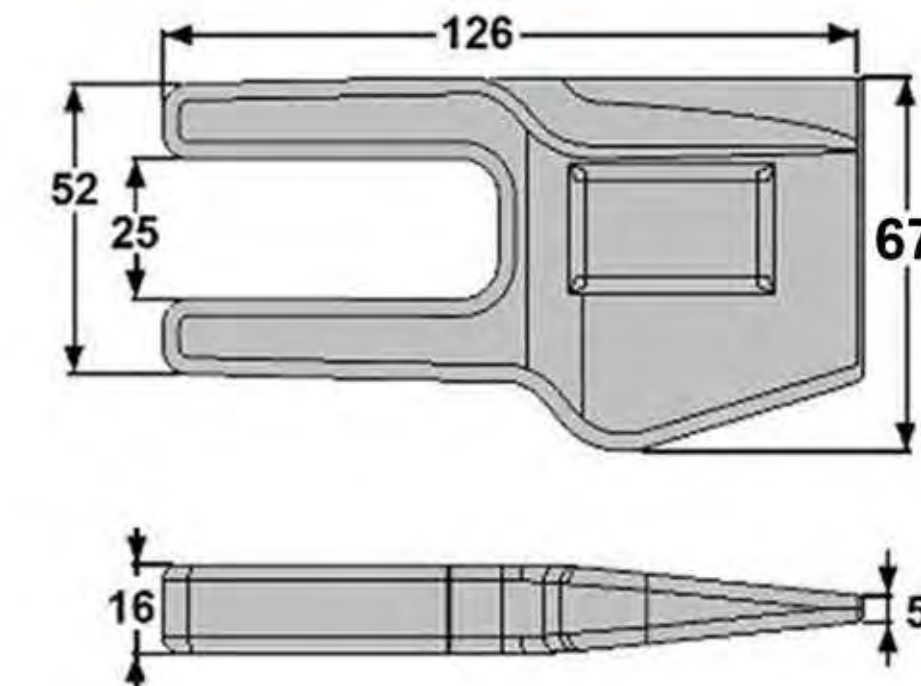
POCKET: WT-50



### EMP1652

Gage Tooth for Regular Dirt Conditions

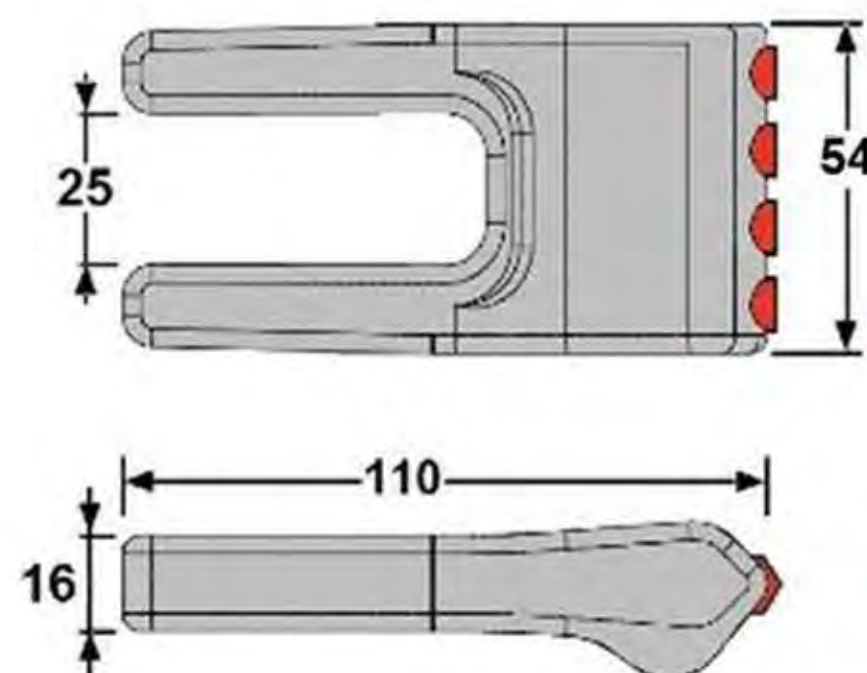
POCKET: WT-50



### EMP1656

Carbide Tooth for Hard Conditions

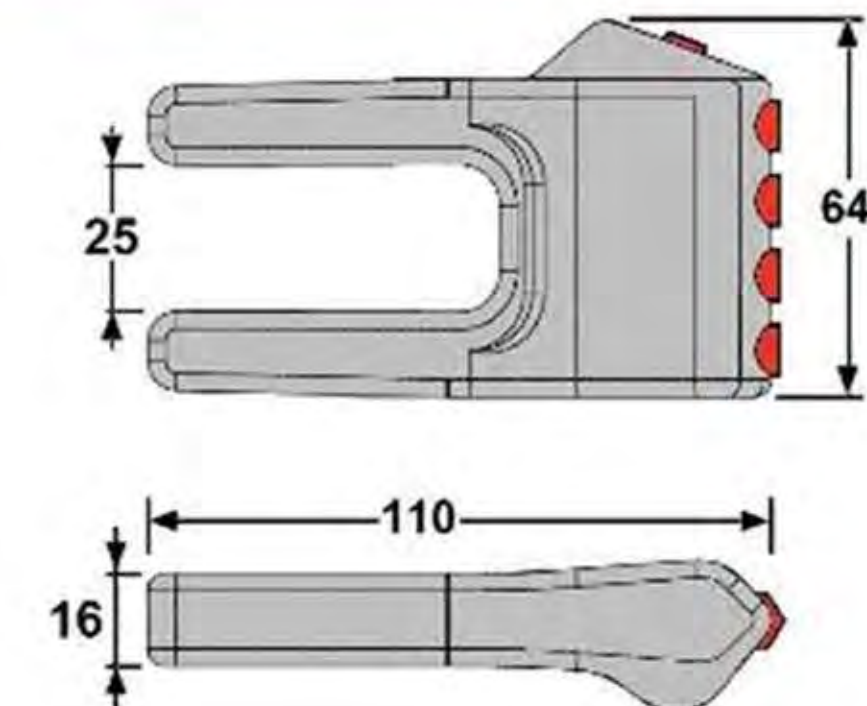
POCKET: WT-50



### EMP1658

Carbide Gage Tooth for Hard Conditions

POCKET: WT-50



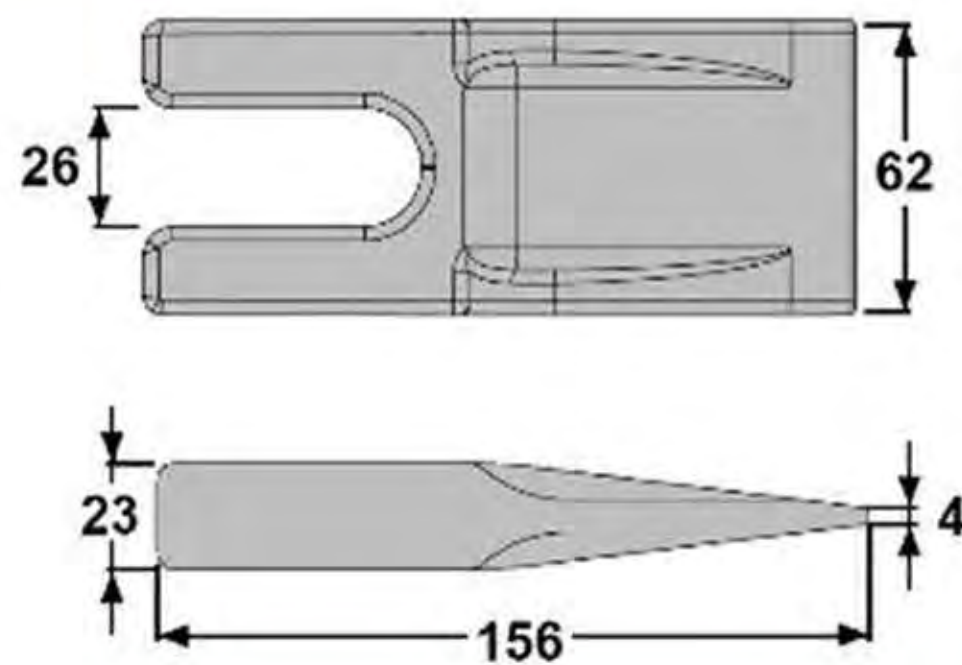


## DIRT TEETH

### EMP2070

For Regular Dirt Conditions

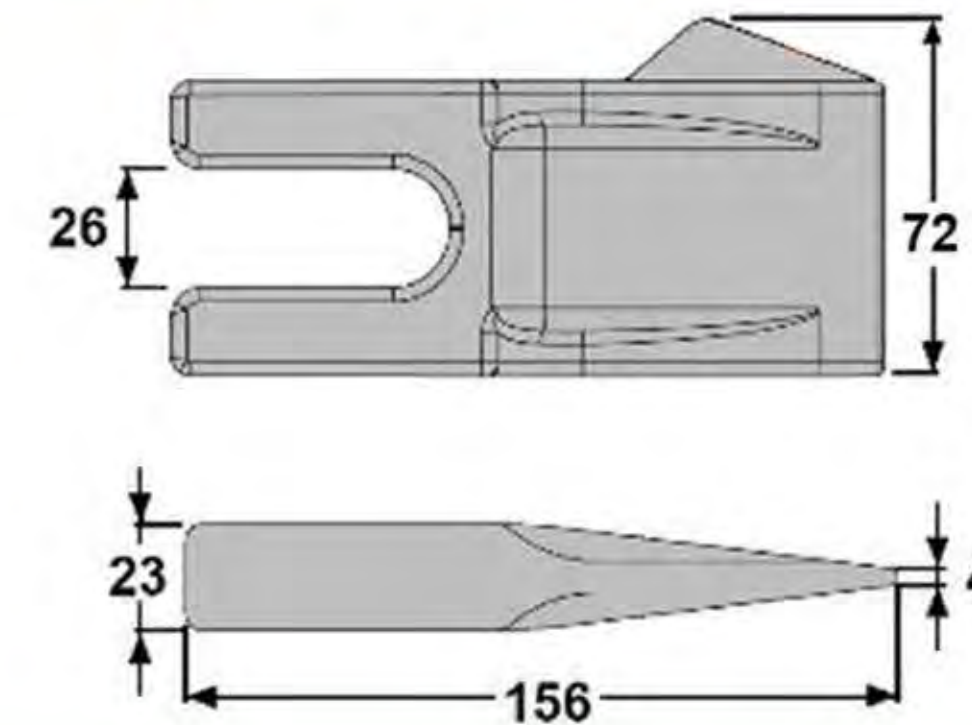
POCKET: WA & FA 70



### EMP2072

Gage Tooth for Regular Dirt Conditions

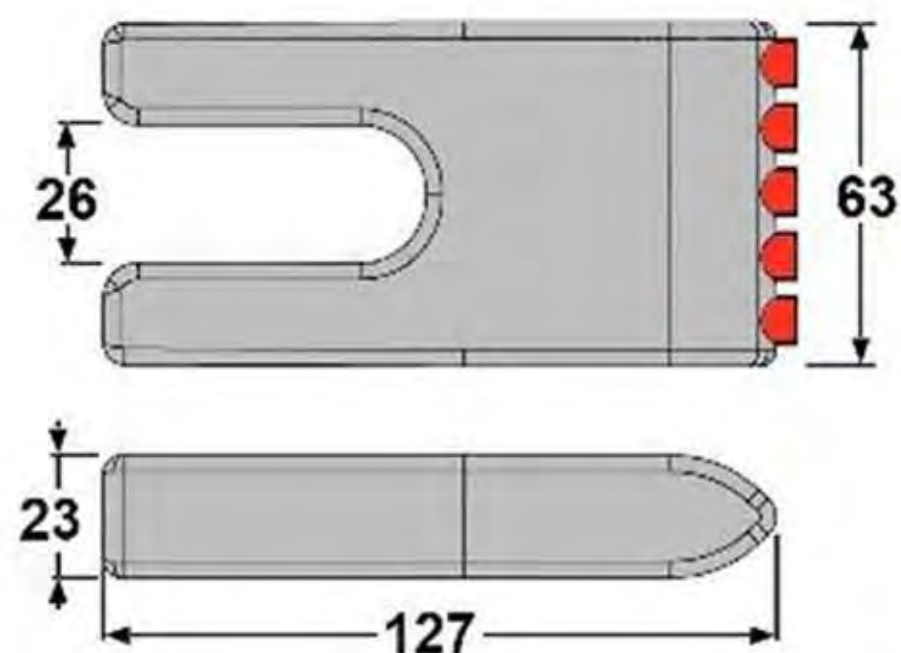
POCKET: WA & FA 70



### EMP2077

Carbide Tooth for Hard Conditions

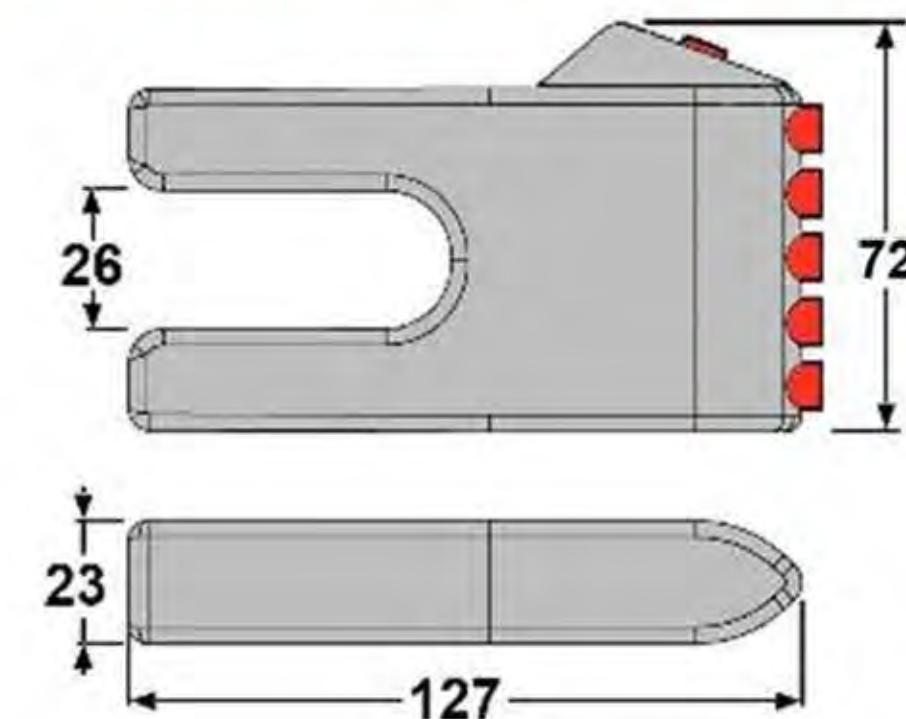
POCKET: WA & FA 70



### EMP2078

Carbide Gage Tooth for Hard Conditions

POCKET: WA & FA 70





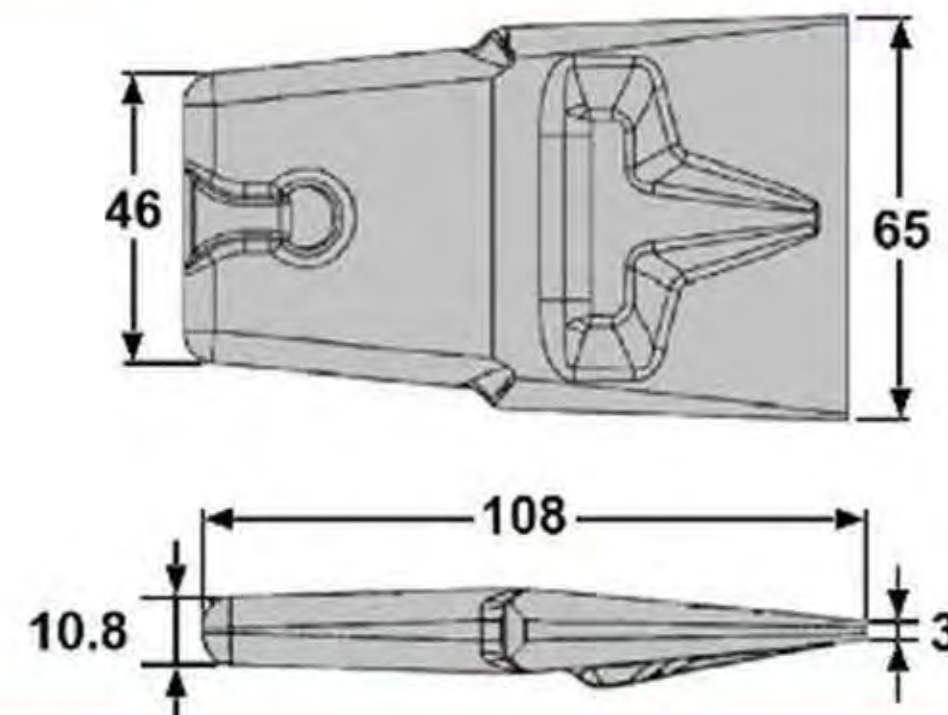
## TAPER FIT TEETH

### EMP60

Dirt Tooth for Regular Conditions

POCKET: W0-5

Comparable: 60

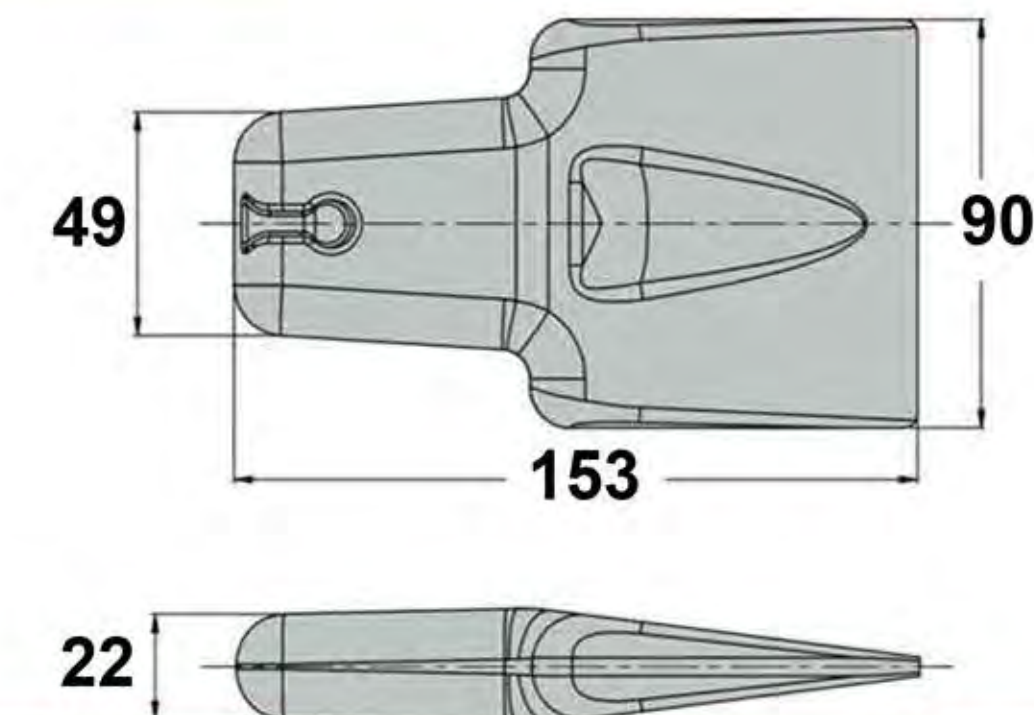


### EMP132

For Regular Dirt Conditions

POCKET: W0-5

Comparable: 132

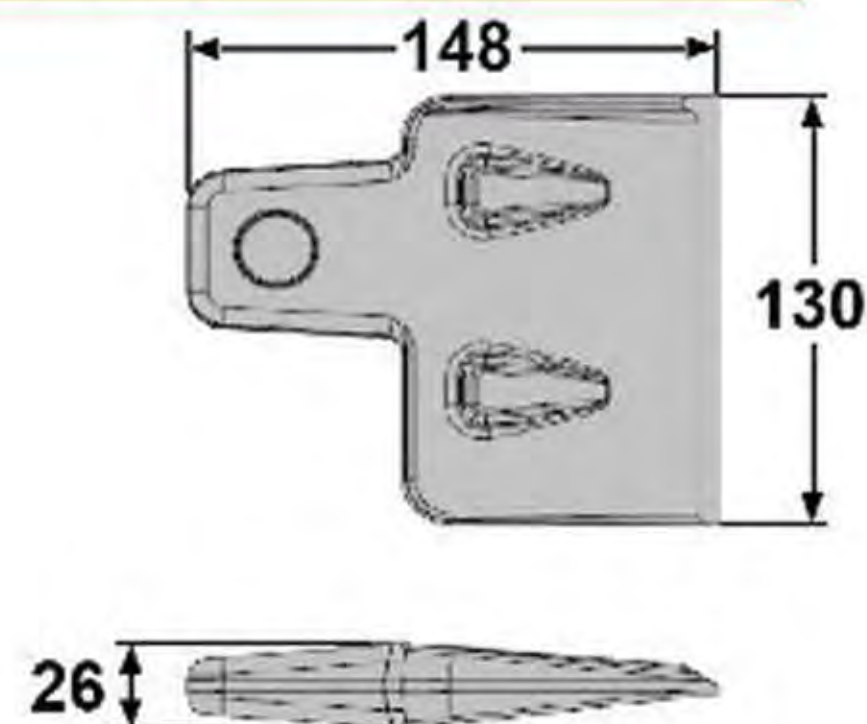


### EMP134

Dirt Tooth for Regular Conditions. Double Offset

POCKET: W0-5

Comparable: 134

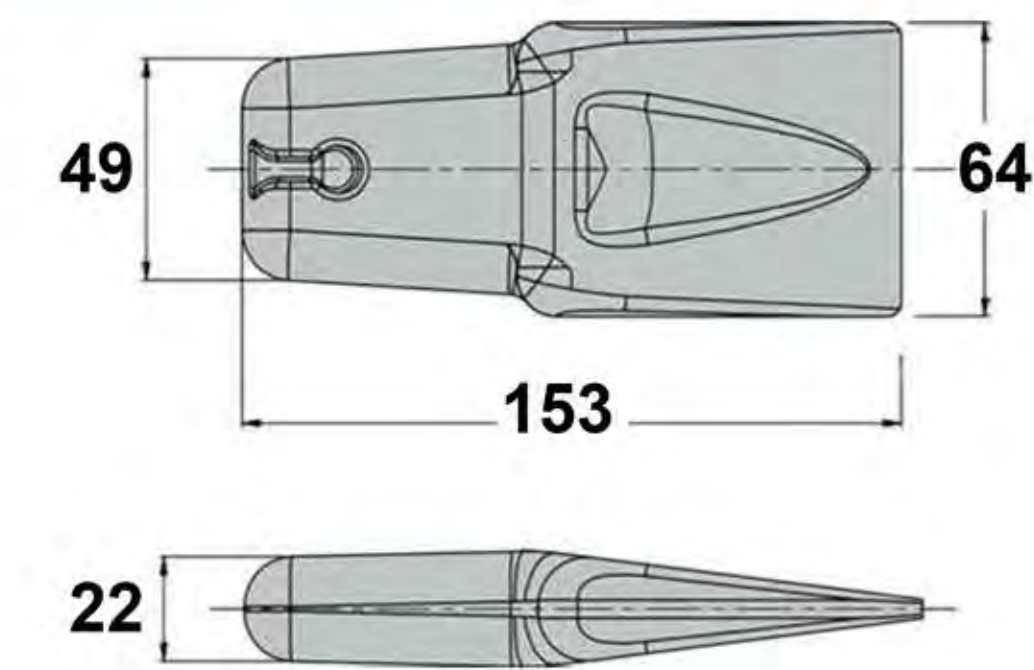


### EMP201

For Regular Dirt Conditions

POCKET: W0-5

Comparable: 201





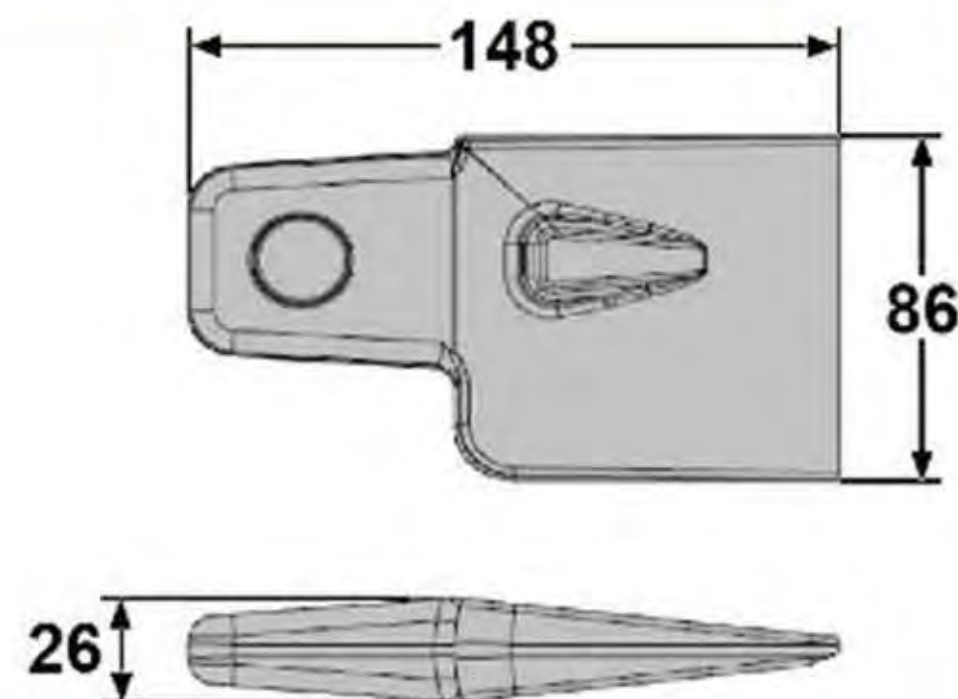
## TAPER FIT TEETH & REAMERS

### EMP211

Dirt Tooth for Hard Conditions. Single Offset

POCKET: W0-5

Comparable: 211

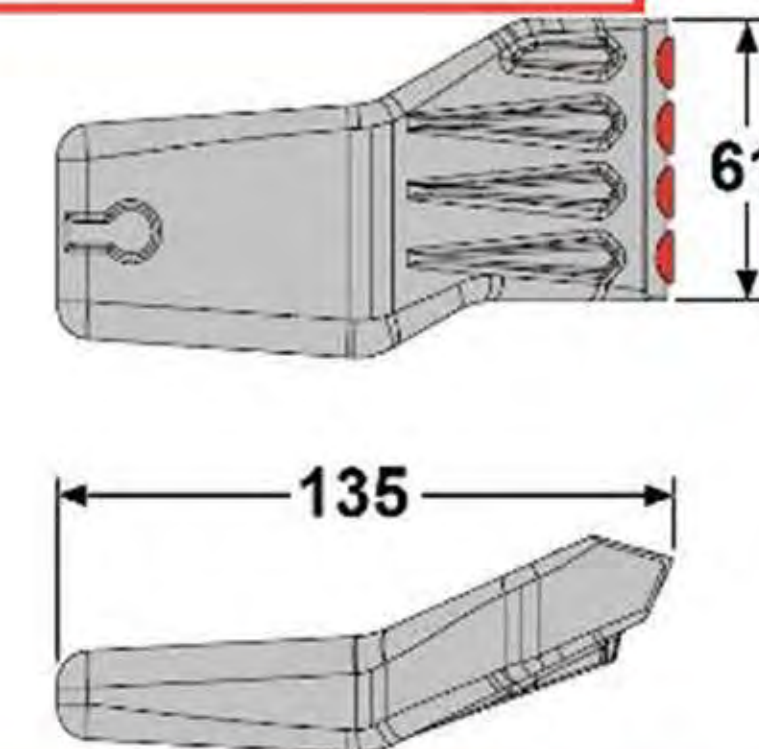


### EMP299

Carbide Tooth for Hard Conditions. "Tiger Paw"

POCKET: W0-5

Comparable: 299



### EMPWO-1

Pocket, commonly used on Belling Tools

Comparable: W0-1



### EMPWO-5

Pocket

Comparable: W0-5





## BUCKET TEETH

### EMP230TW

Twin Tiger Point Side Pin Tooth

SHANK: CL-1001-23



### EMP18SL

Standard Top Pin Tooth

SHANK: 845-18



### EMP250

Standard Side Pin Tooth

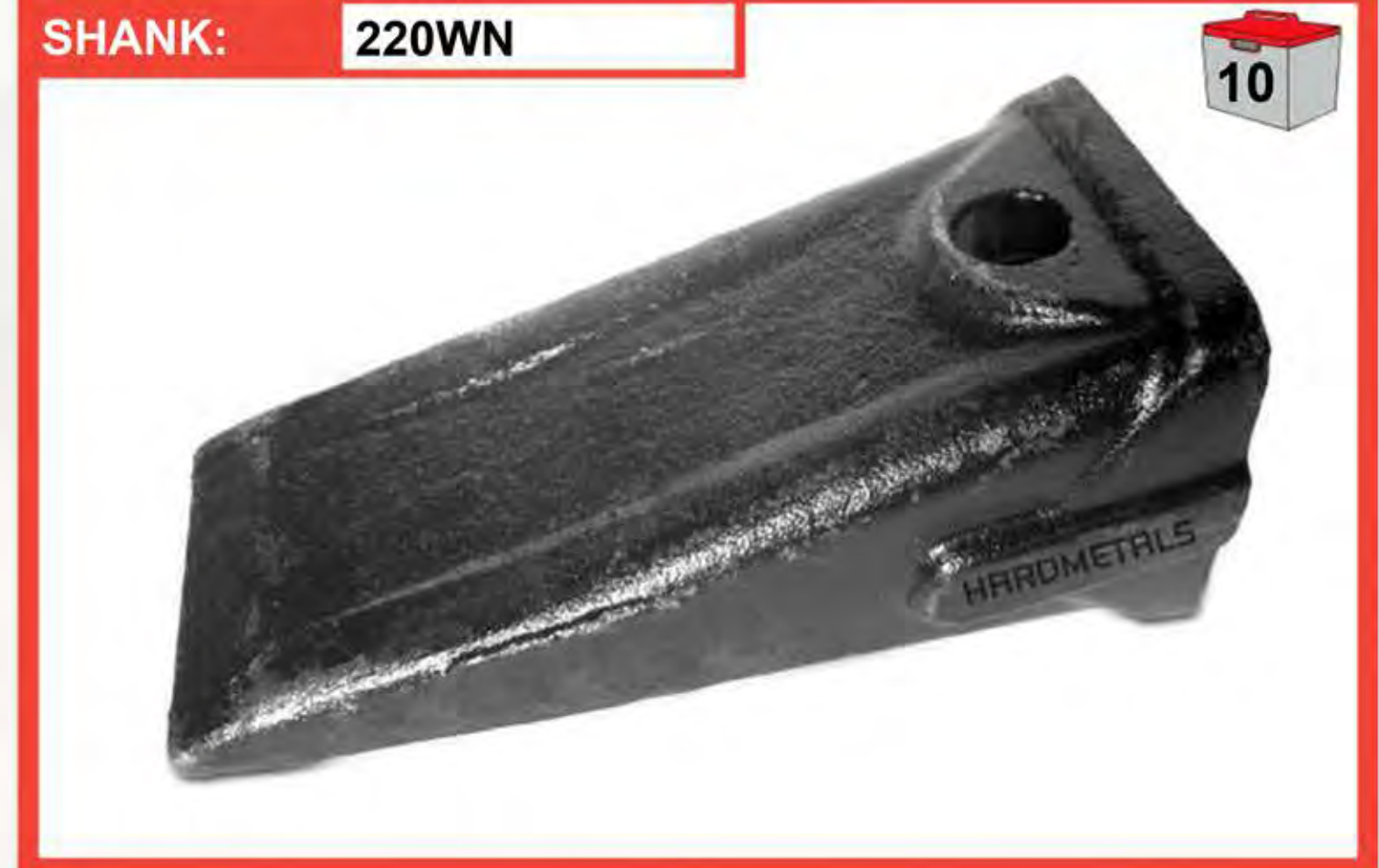
SHANK: 250



### EMPX220

Standard Top Pin Tooth

SHANK: 220WN





## BUCKET TEETH

### EMX220F

Flared Top Pin Tooth

SHANK: CL-1001-23



### EMCL-1001-23

Side Pin Shank



### EM550-LOD

Front End Side Pin Loader Tooth

SHANK: 250



### EM845-18

Top Pin Shank





## TAPER TEETH BLOCKS

### EMPWO-1

Pocket, commonly used on Belling Tools



### EMPWO-5

Pocket



### EMPWO-2

Pocket, commonly used on Belling Tools



### EMPWT-50

Pocket





## TAPER TEETH BLOCKS

### EMBRV-H85

Block - 116 Series Teeth



### EMBHR-39

Single Shoulder Block



### EMBHR-39HD

Single Shoulder Heavy Duty Block



### EMB-75 CEC

Double Shoulder Block





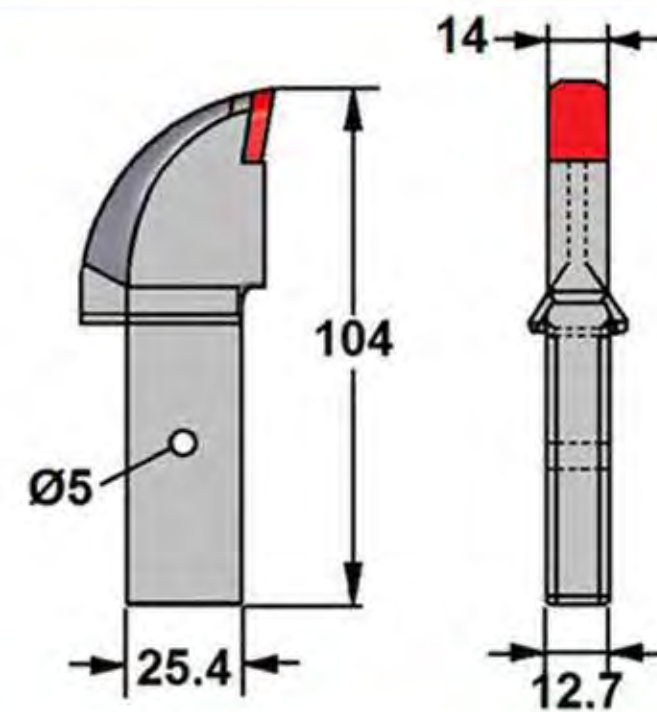
## FLAT CUTTER PICKS

### EM410A-F

Flat Cutter Pick, 14mm Insert

HOLDER: F-2S

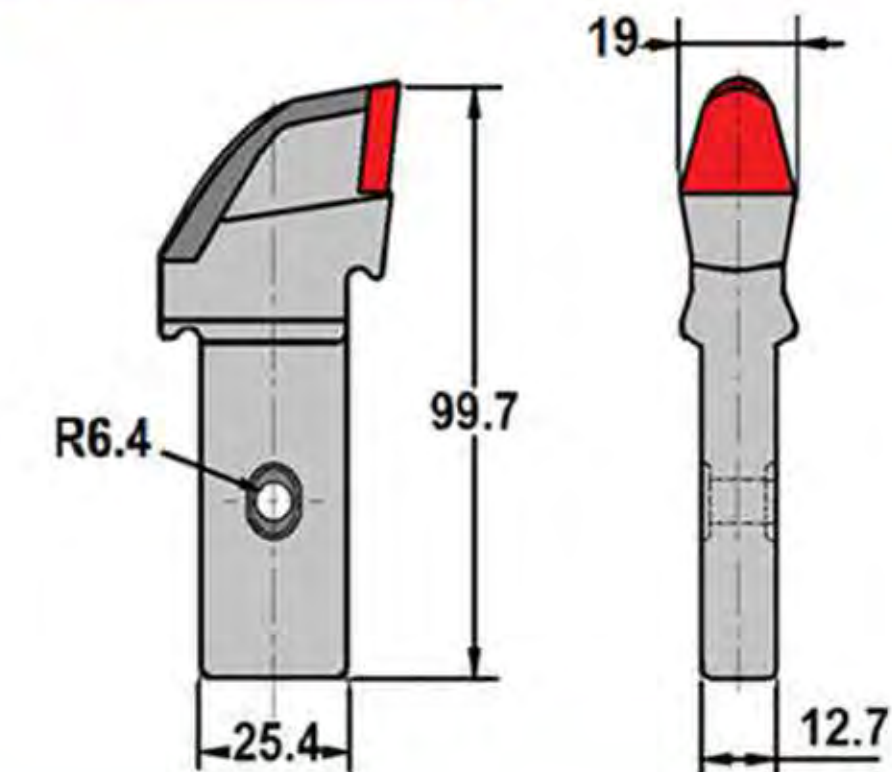
Comparable: CJ2



### EM411-F

Flat Cutter Pick, 19mm Insert

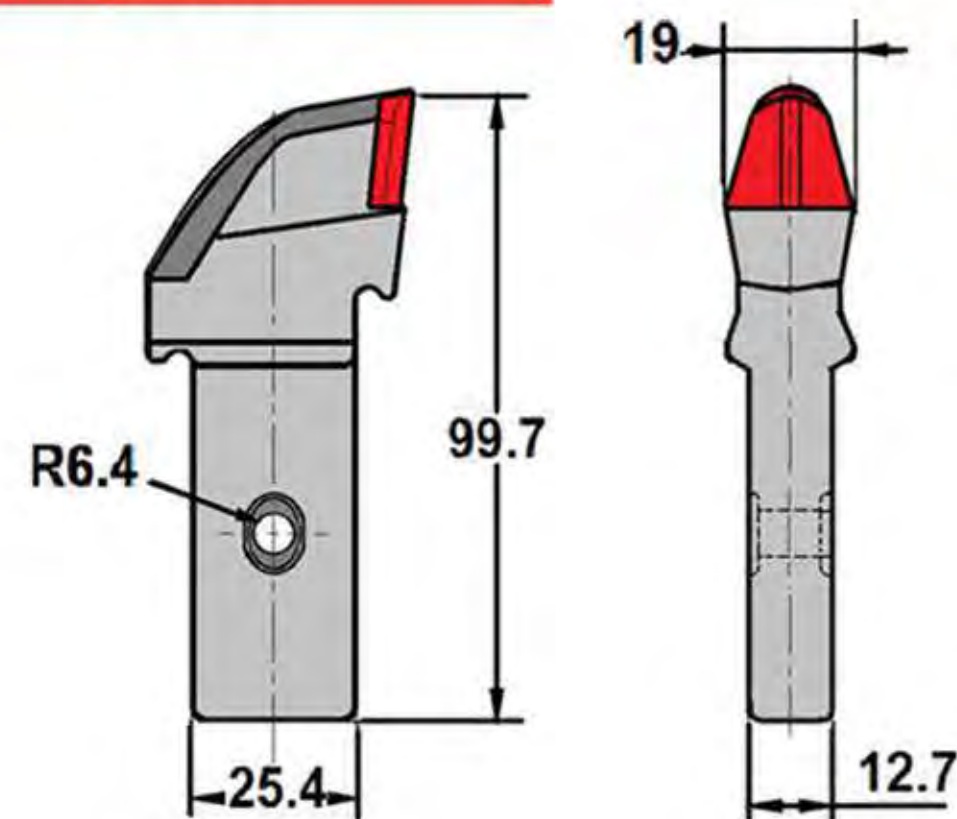
HOLDER: F-2S



### EM411-P

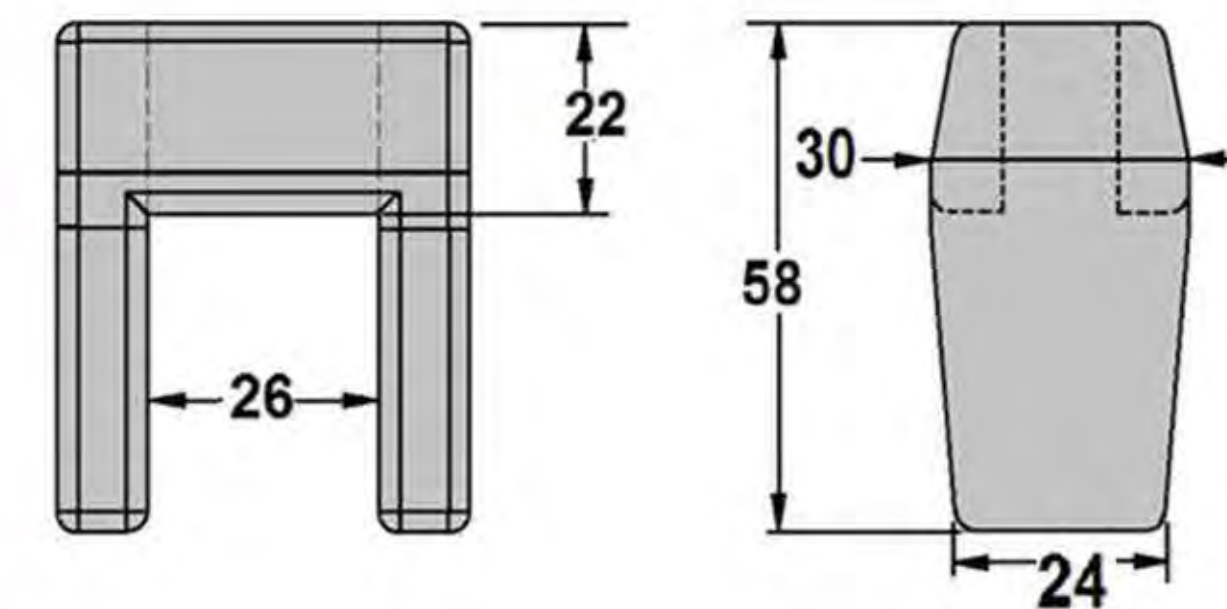
Flat Cutter Pick, 14mm Insert (FW8B)

HOLDER: F-2S



### F-2S

Flat Cutter Pick, Block Forged

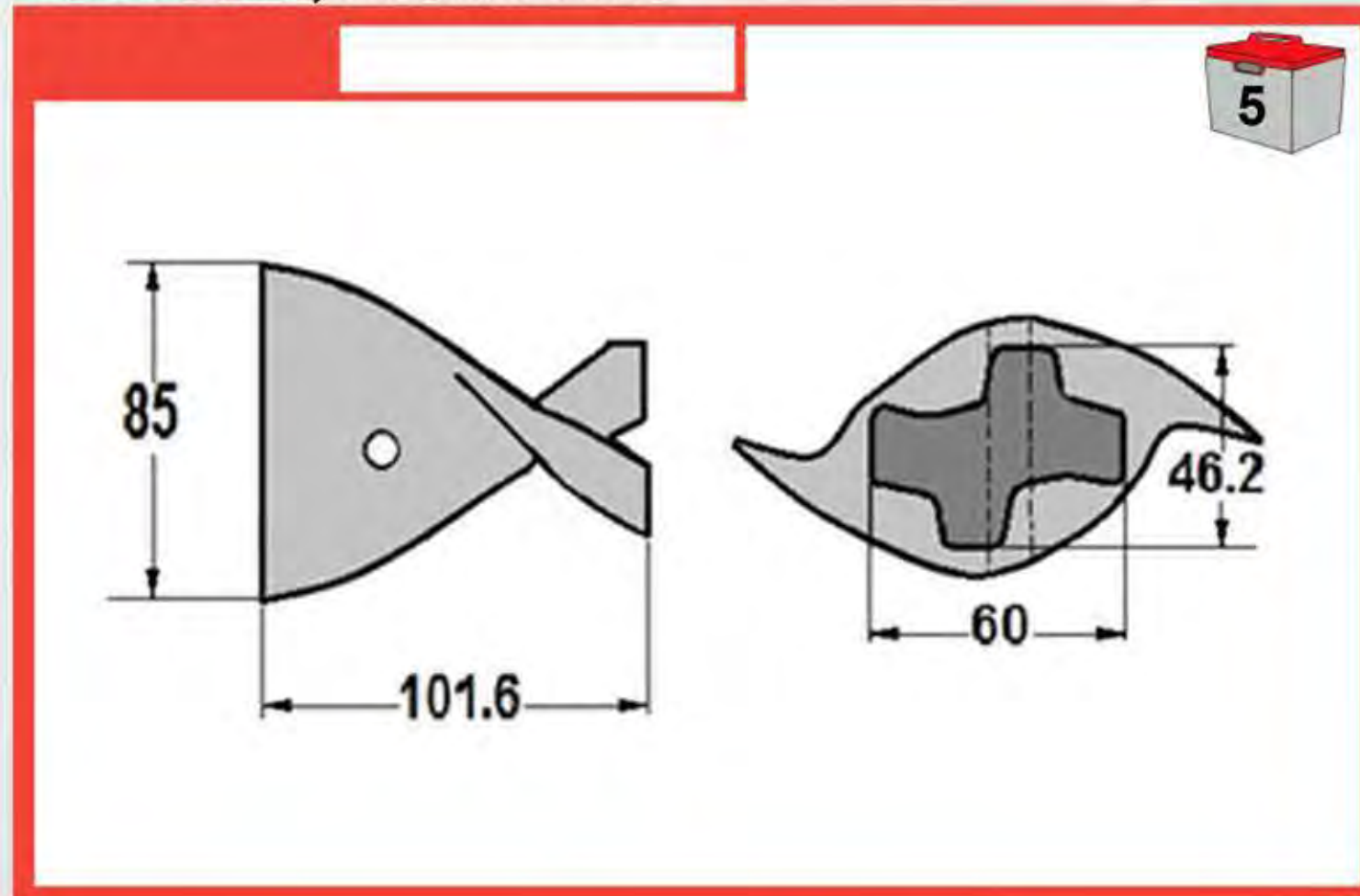




## FISHTAIL & AUGER PARTS

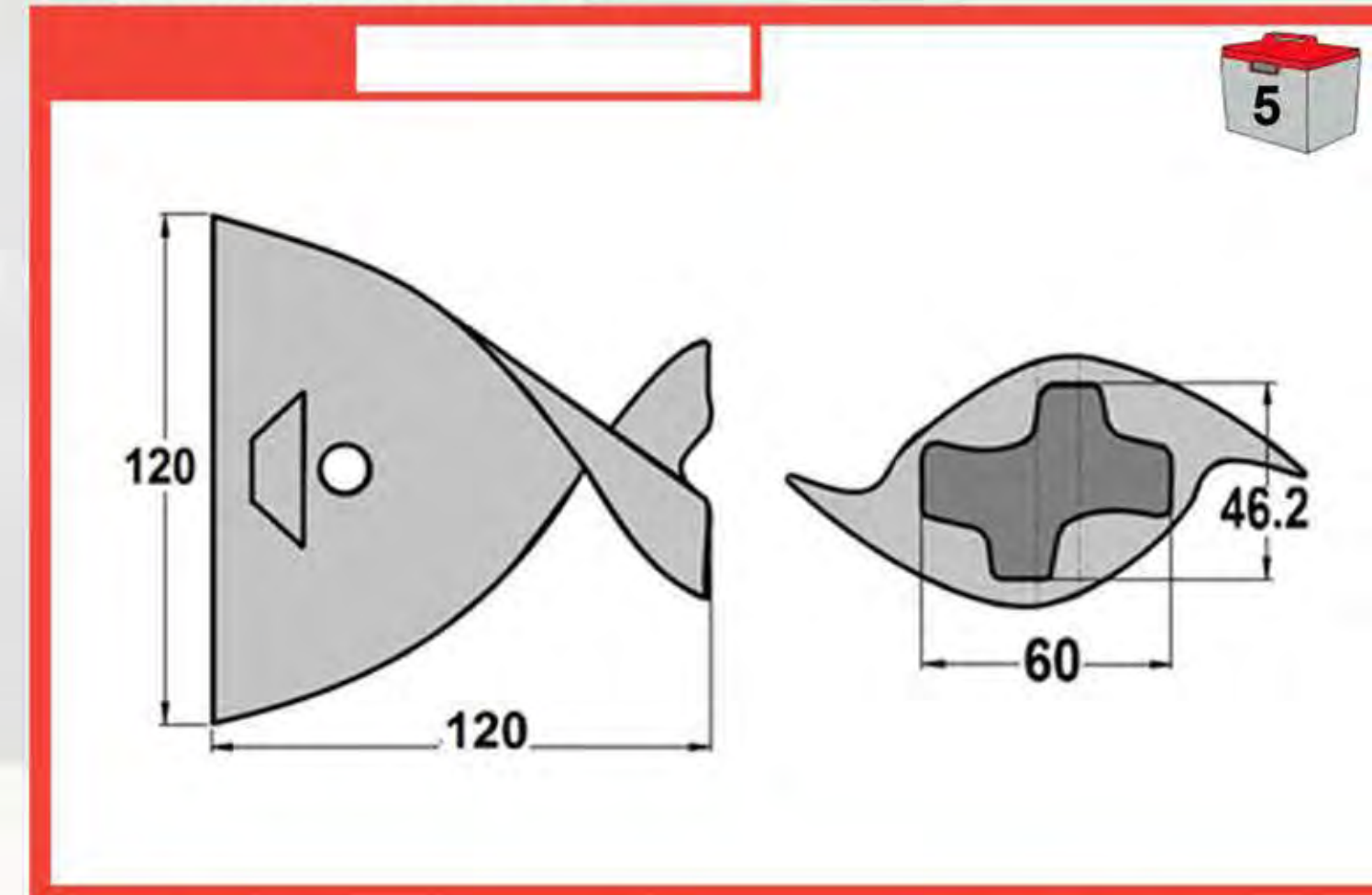
### EMF580

SB35 Plain, Fishtail Pilot



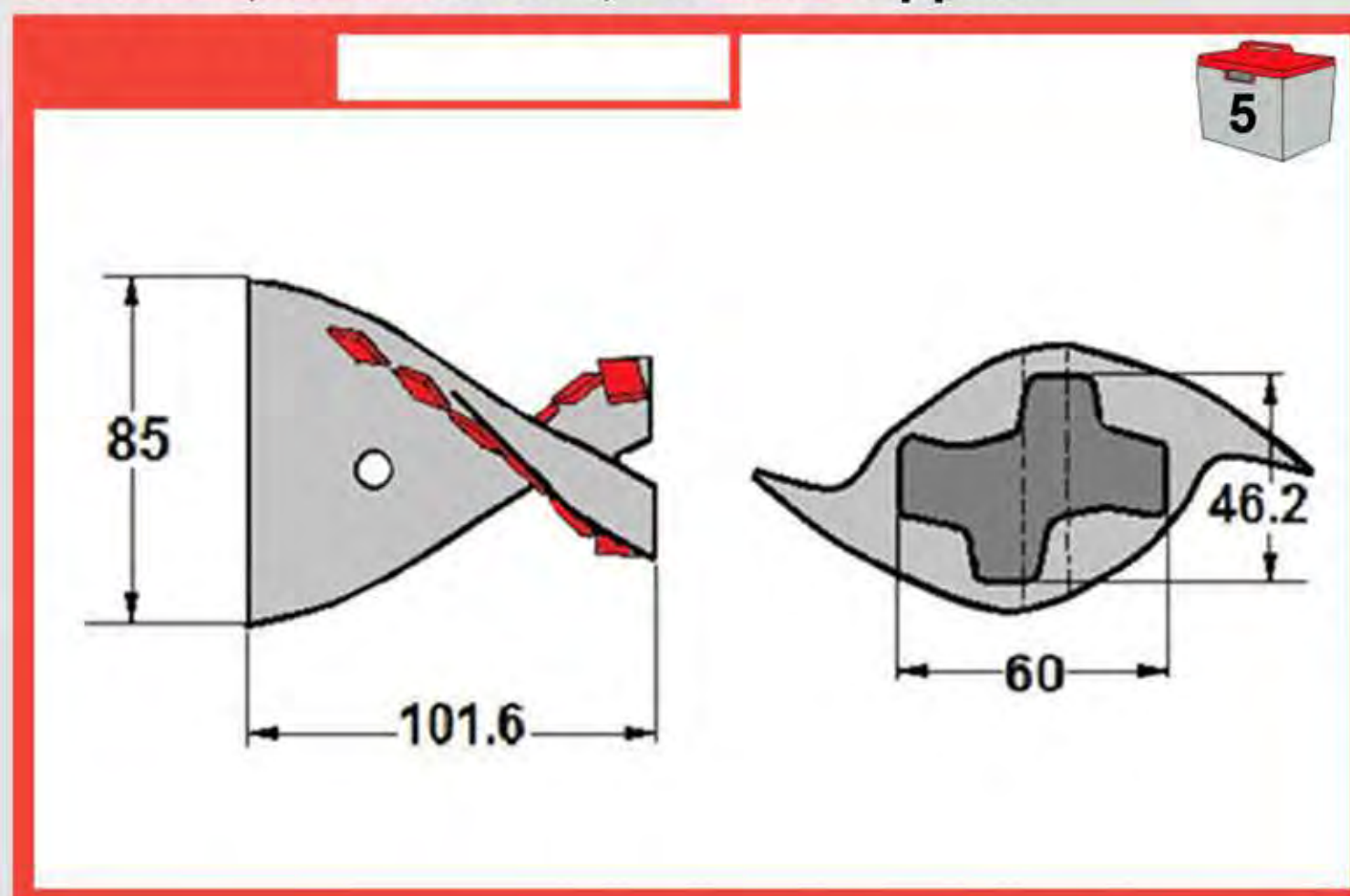
### EMF590

SB45 Plain, Fishtail Pilot



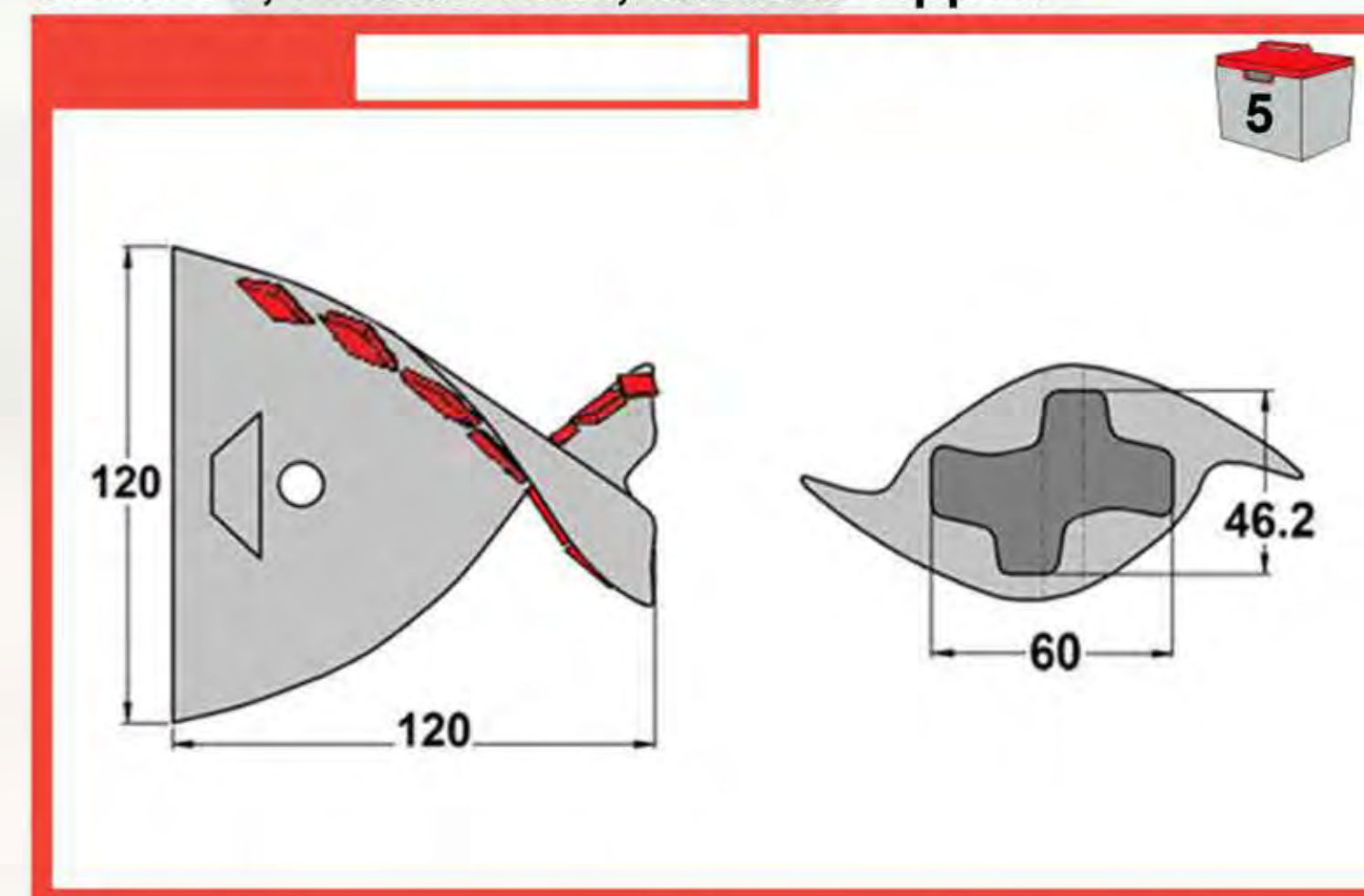
### EMF610

SB35 TC, Fishtail Pilot, Carbide Tipped



### EMF611

SB45 TC, Fishtail Pilot, Carbide Tipped

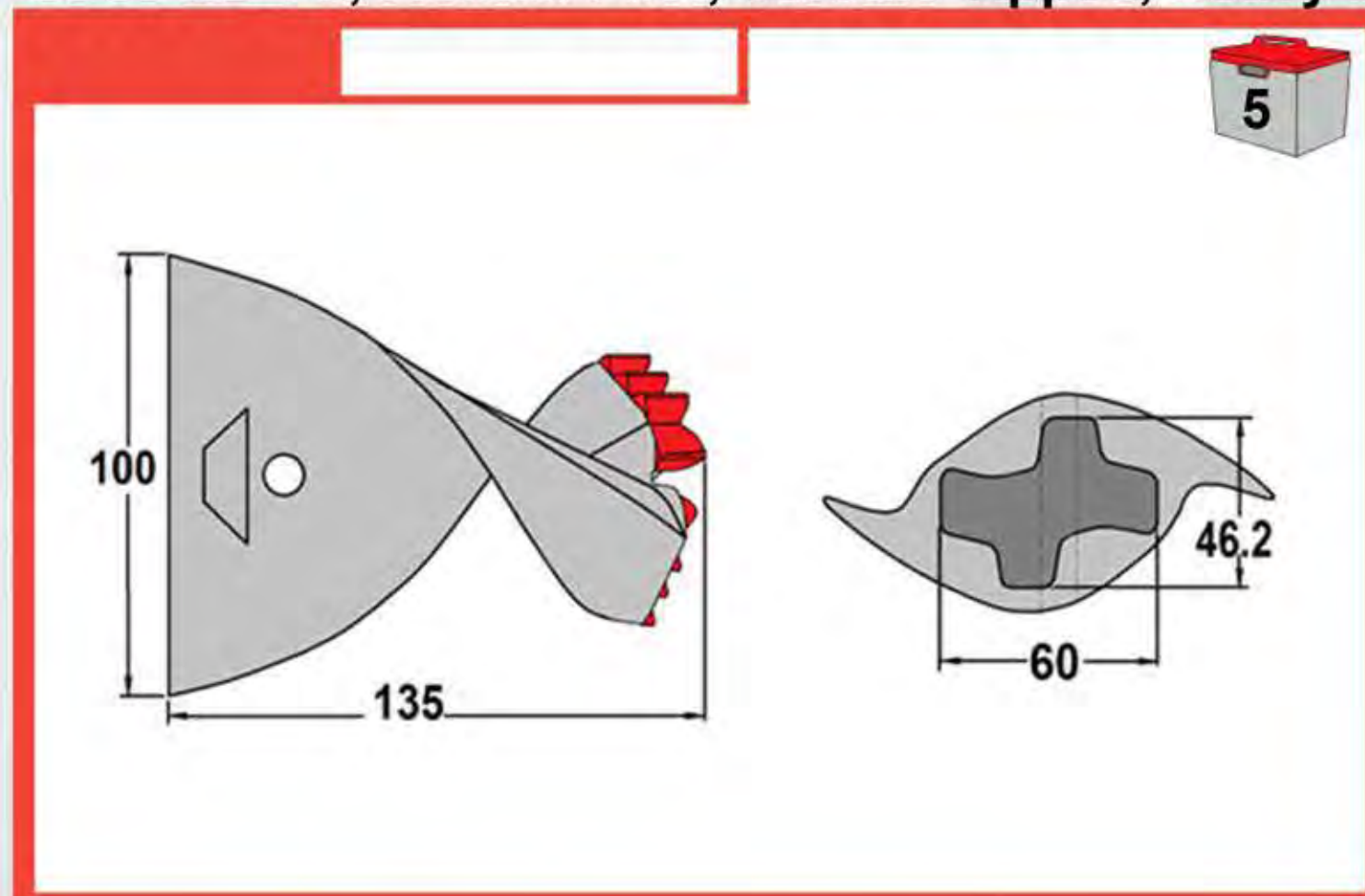




## FISHTAIL & AUGER PARTS

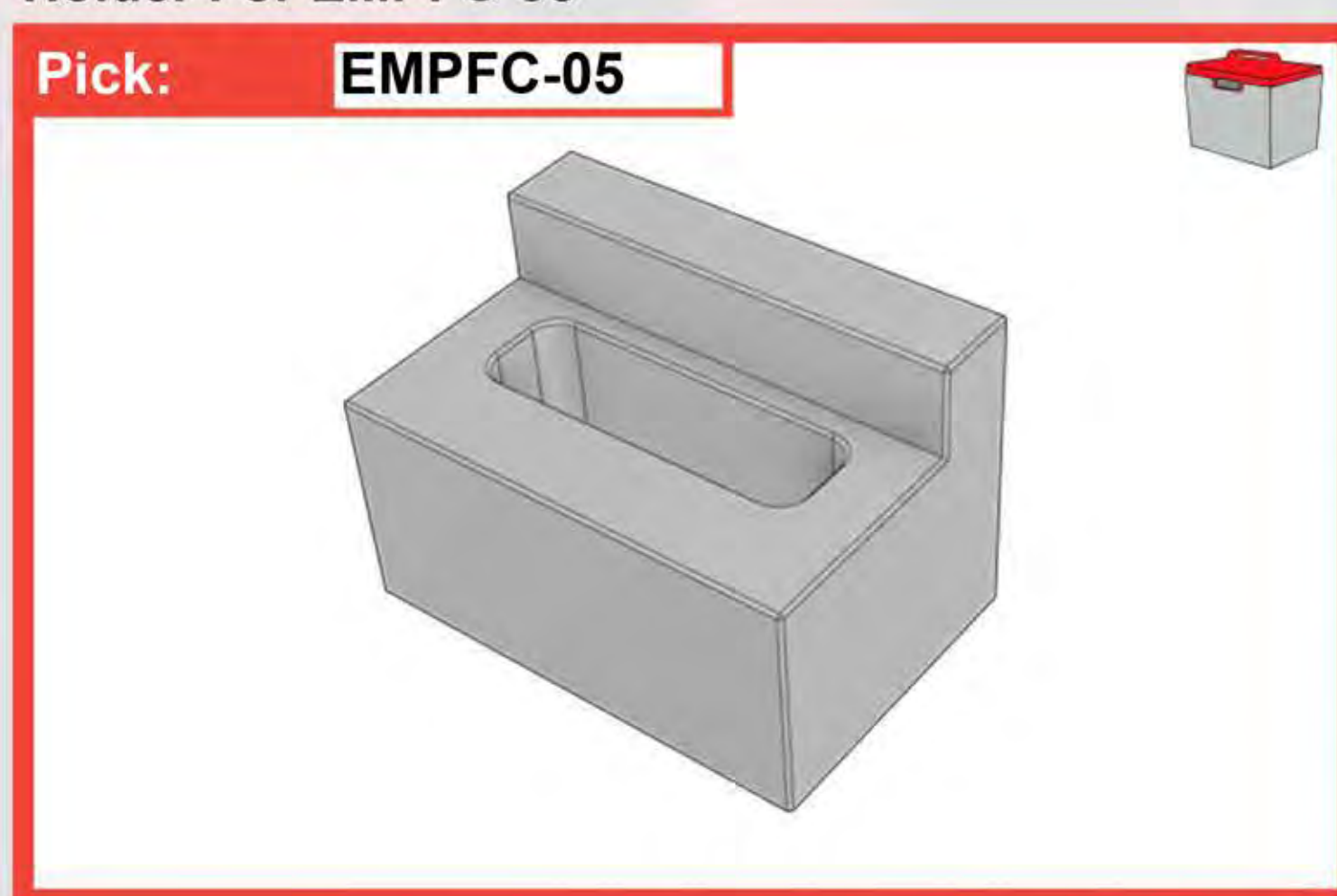
### EMF612

SB35 HD TC, Fishtail Pilot, Carbide Tipped, Heavy Duty



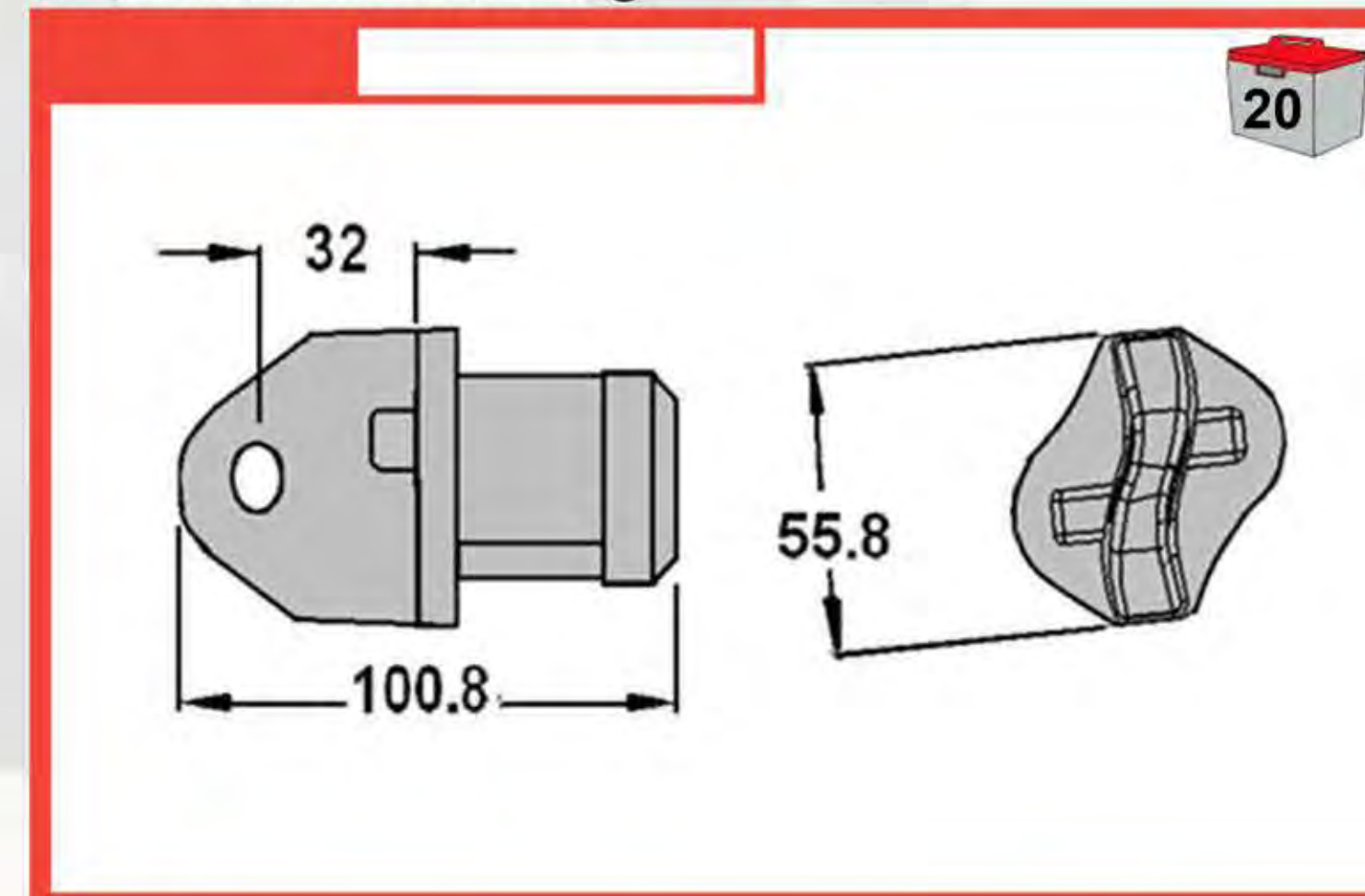
### EMPFC-05H

Holder For EMPFC-05



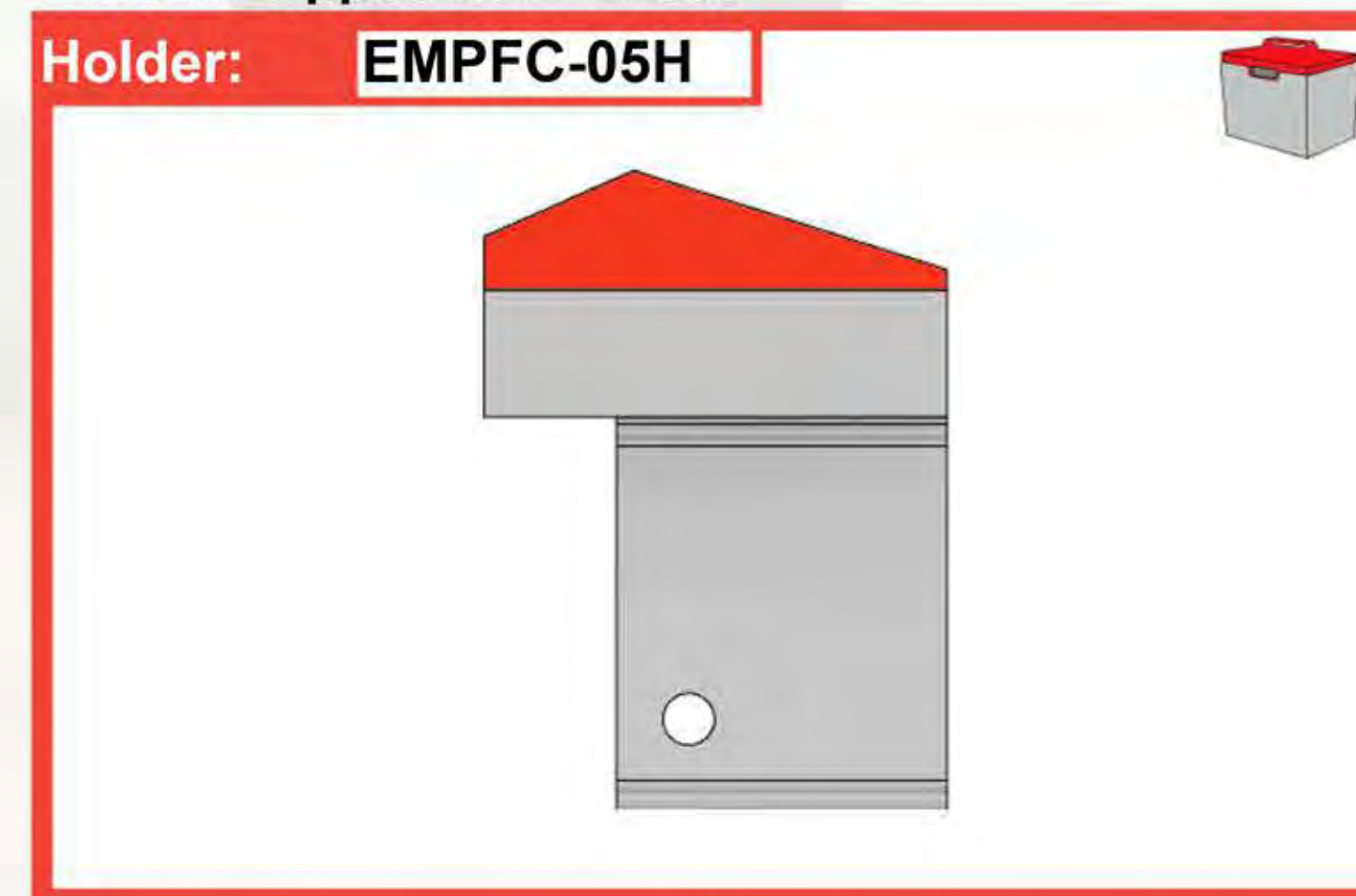
### EMF635

SB35 Weld-on Drive Lug



### EMPFC-05

Carbide Tipped HDD Tooth



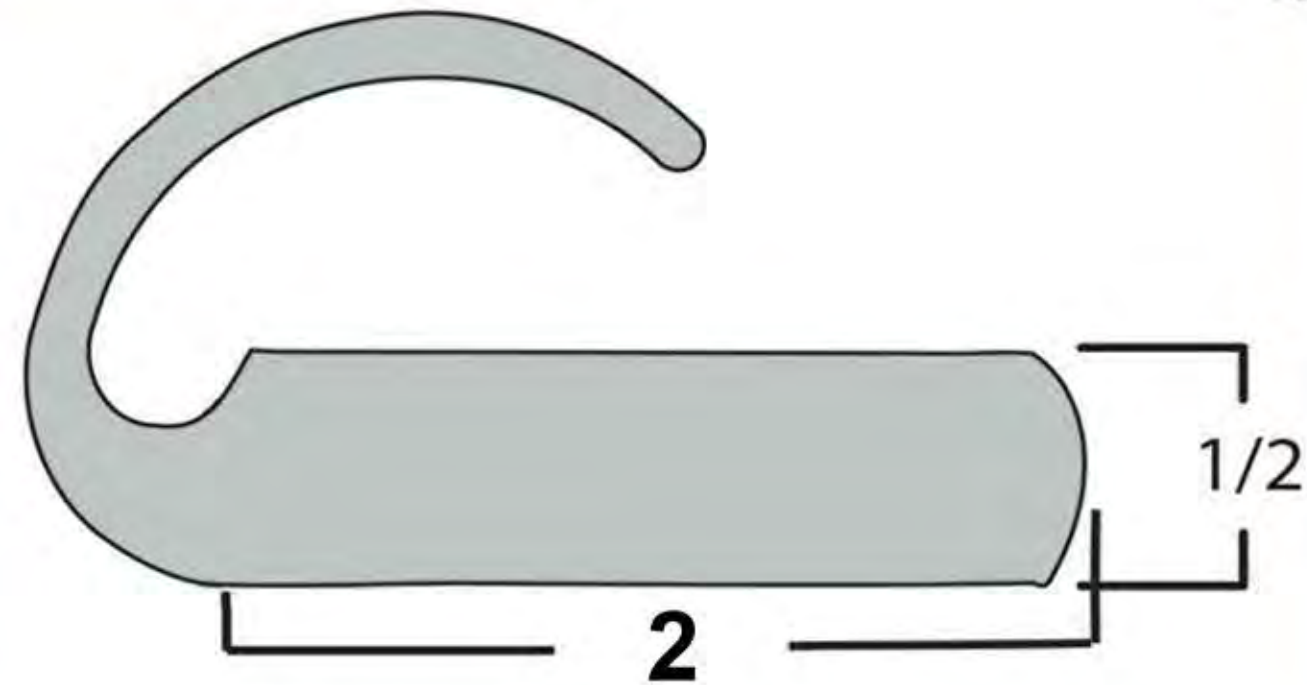


## AUGER FLIGHTS

### 118 UPIN

U-Pin For 1-1/8 Hex

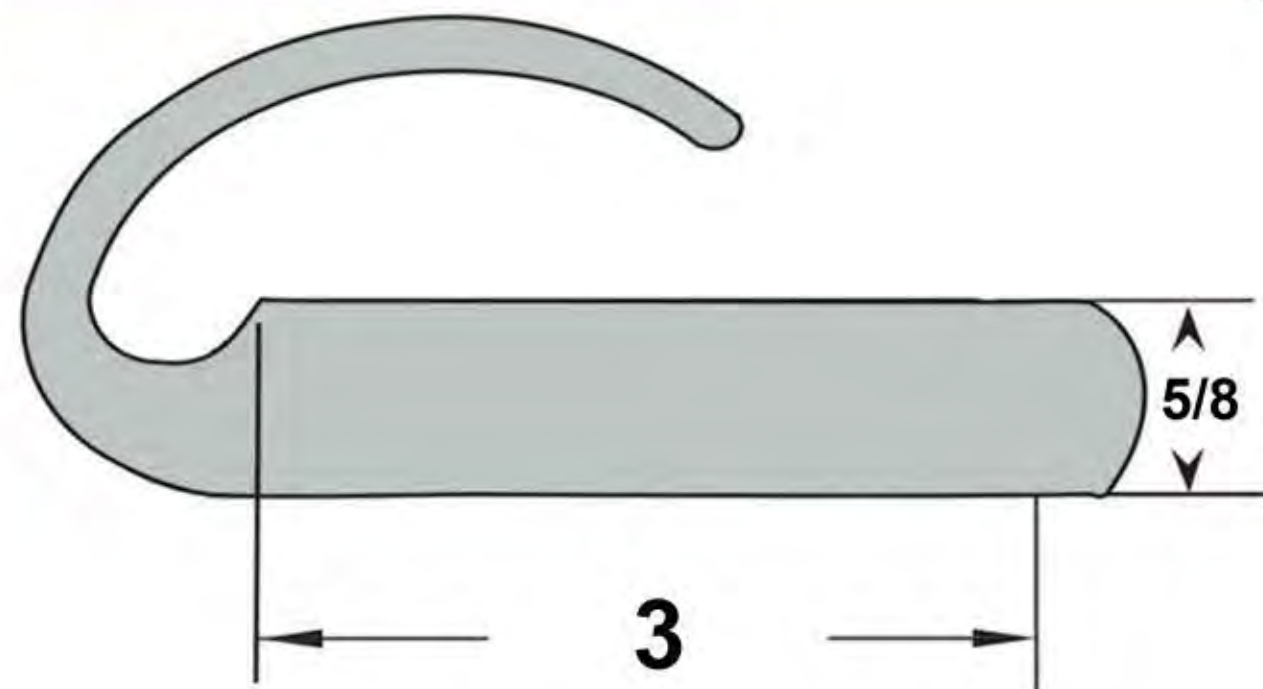
COMPARABLE: 1306-I



### 158 UPIN - 3

U-Pin For 1-5/8 Hex

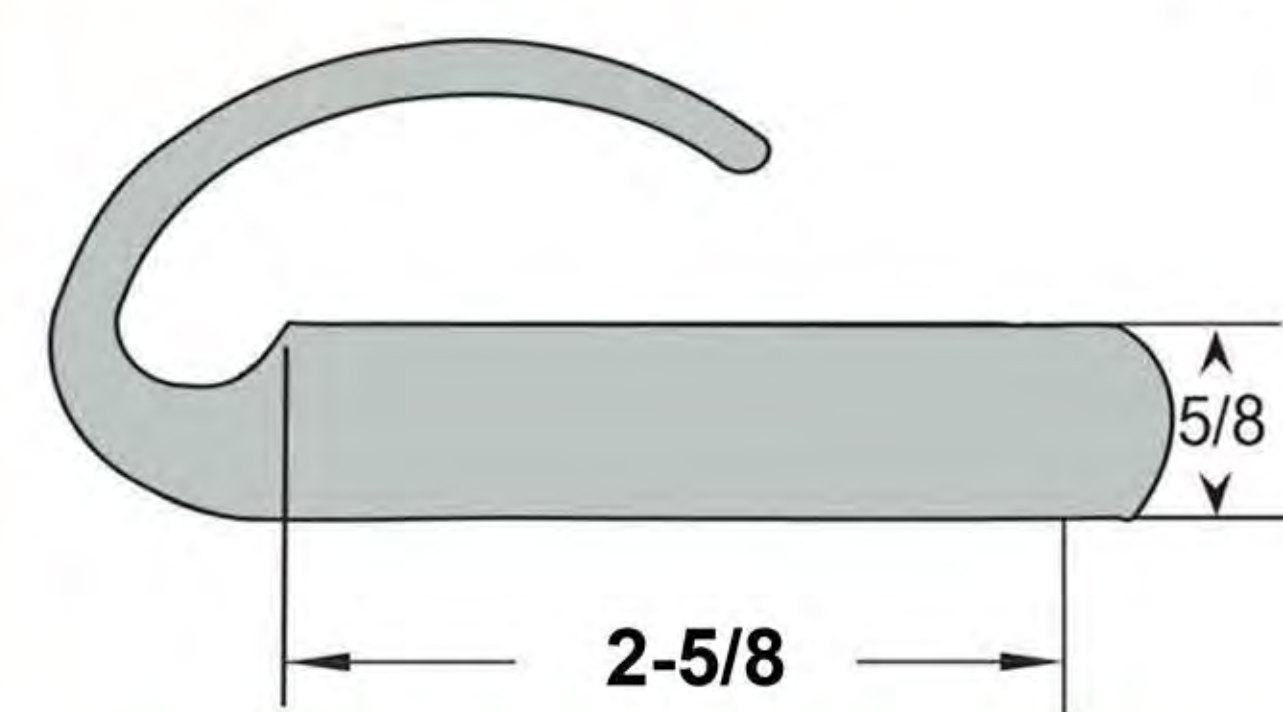
COMPARABLE: 1308-I



### 158 UPIN - 2-5/8

U-Pin For 1-5/8 Hex

COMPARABLE: 1307-I



## Chart

Description	Lbs.	Part Number	Auger Type
1-1/8 Hex	.19	118 UPIN - 2	1500 Series
1-5/8 Hex	.35	158 UPIN - 2-5/8	2000 Series
1-5/8 Hex	.46	158 UPIN - 3	2875 Series 2625 Series



## AUGER FLIGHTS, TOOLS, CASINGS

### AUGER RENTAL

Available As Requested, All Sizes



### AUGER FLIGHT MANUFACTURING

Available As Requested



### BELLING TOOLS



**RENTALS  
AVAILABLE!**

### CORE BARREL





## PILOT BITS

### EM434-RP

Step Pilot



### EM614-CP

Chevron Pilot



All sizes available  
as requested

### EM358-3WP

3 Way Pilot, HDF Box



### GB358

Gatorback bit

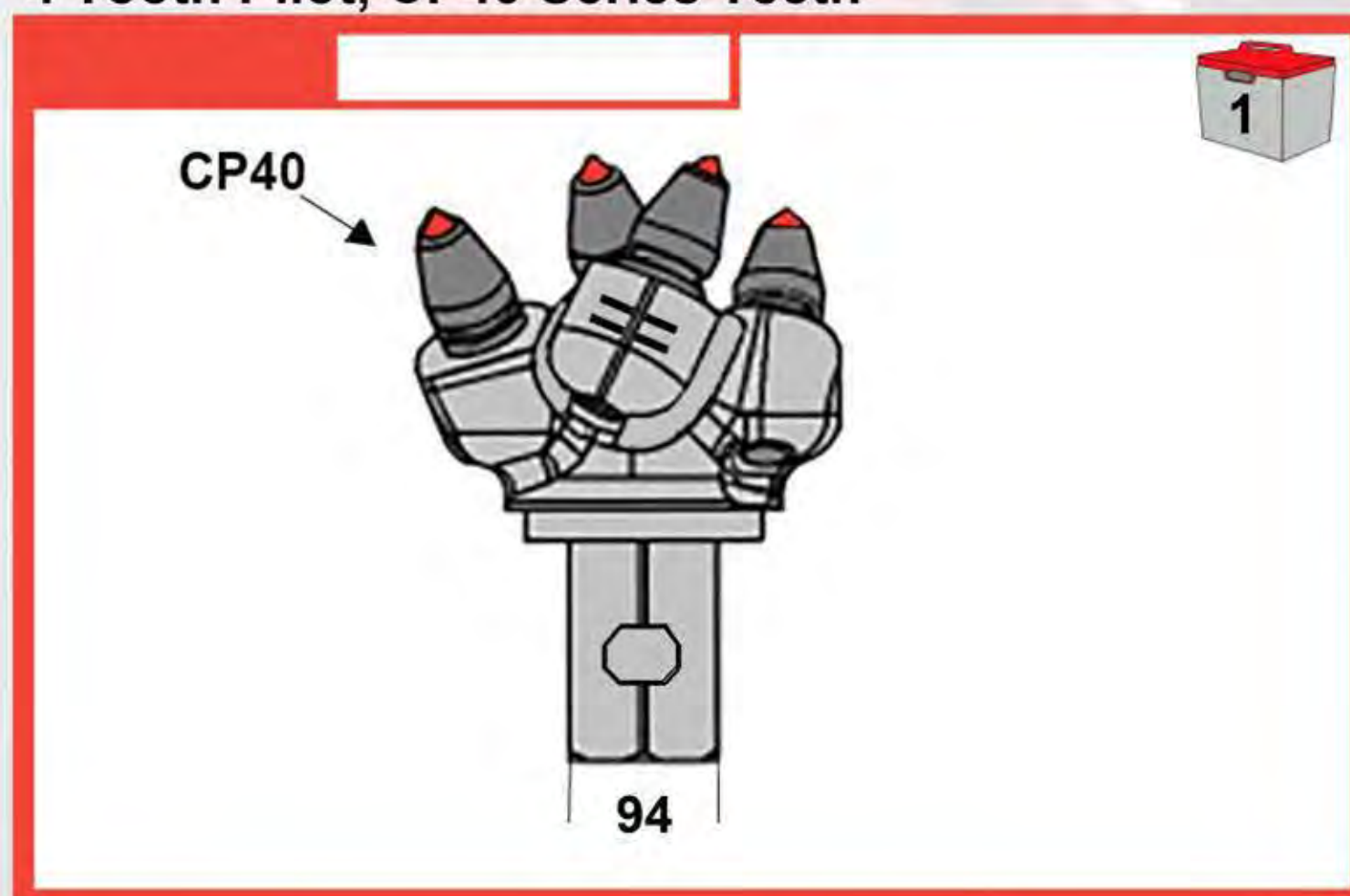




## PILOT BITS

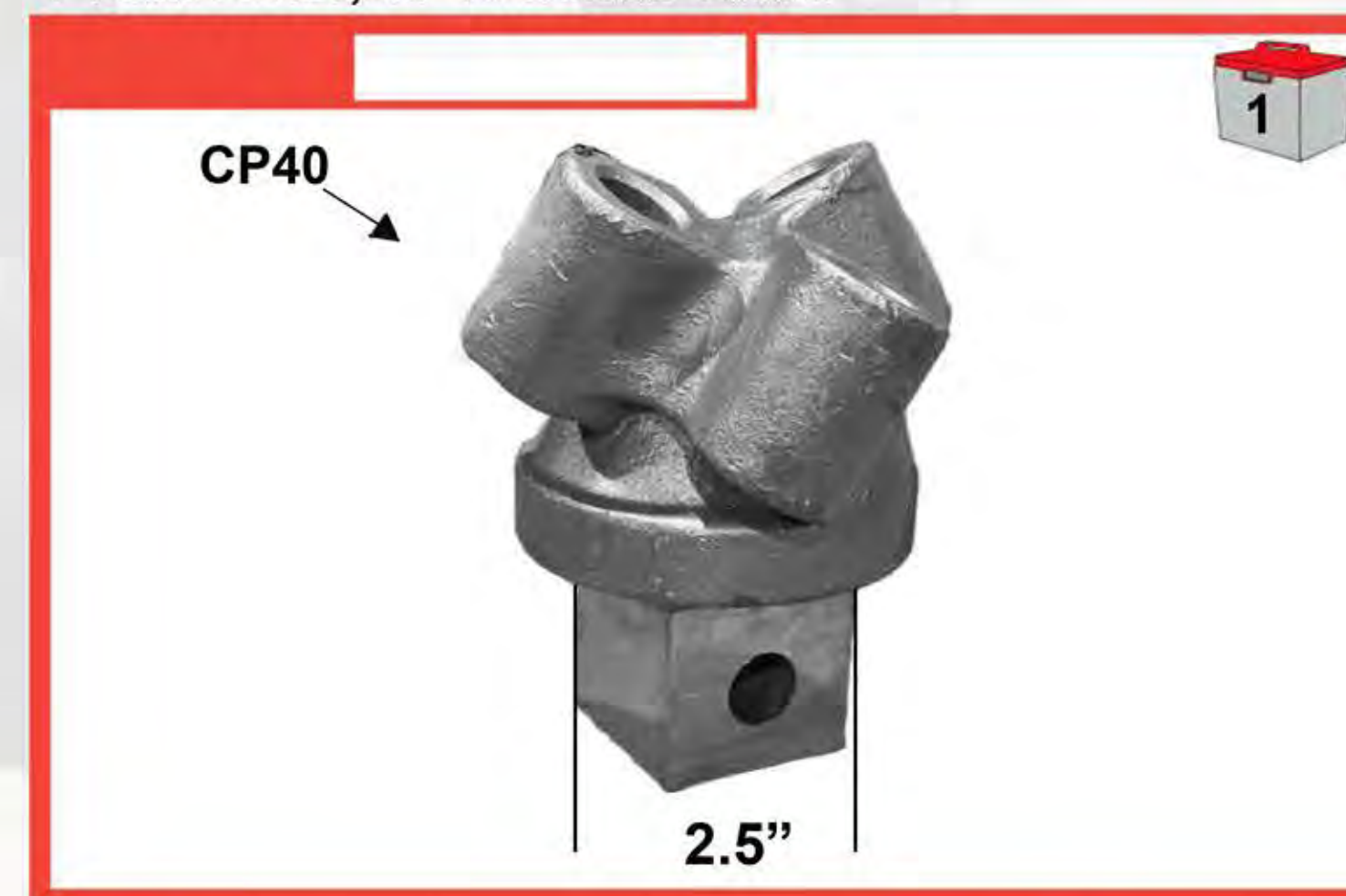
### EM8RCP-TCF

4 Tooth Pilot, CP40 Series Teeth



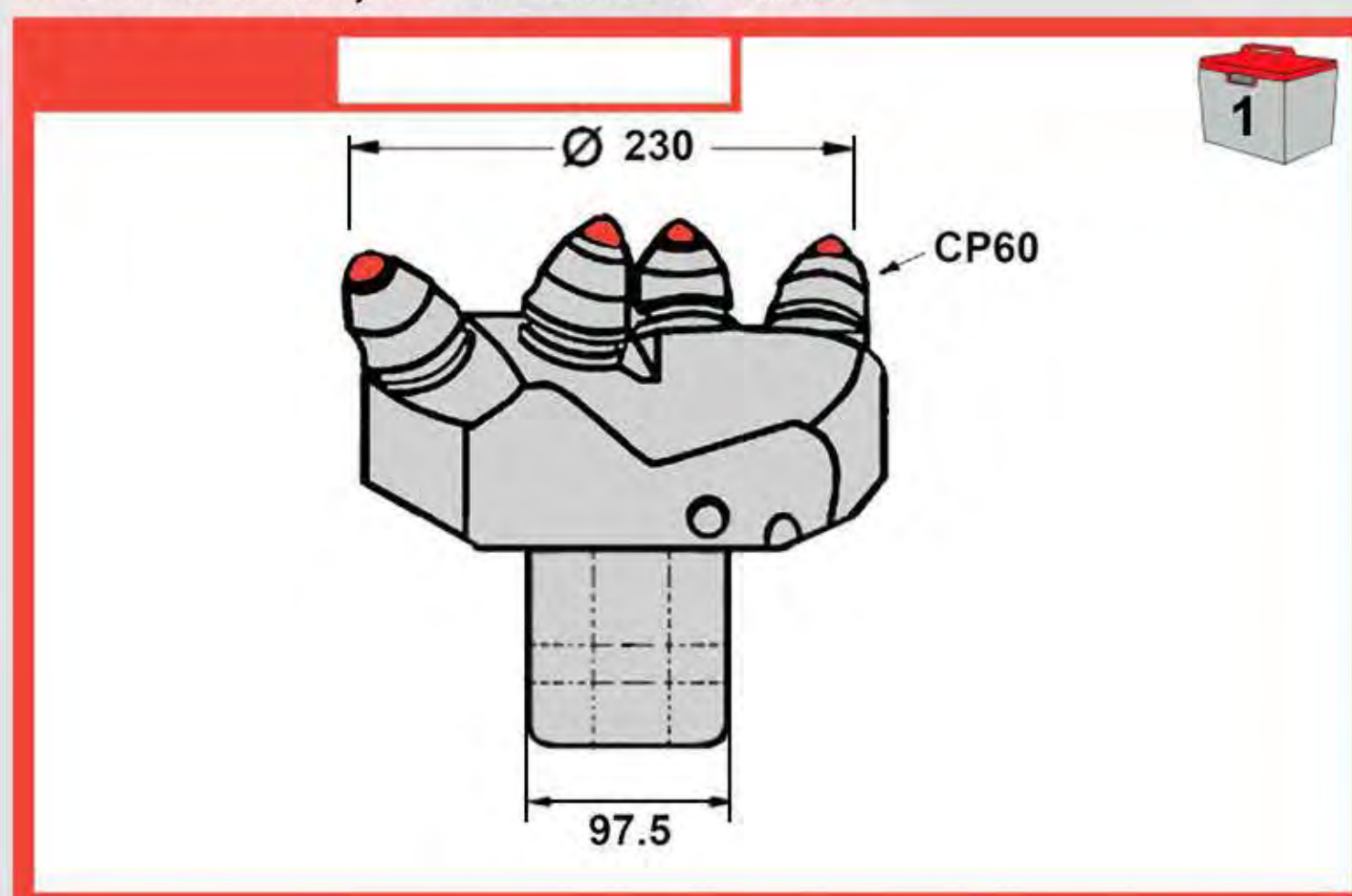
### EM10RCP-S

4 Tooth Pilot, CP40 Series Teeth



### EM18RCP-S

4 Tooth Pilot, CP60 Series Teeth



### EM18RCP-10L0299-S

Tooth Pilot, Custom Connection Available Upon Request





## PILOT BITS

### EMDB-S250

Fishtail, 2-1/2" Square I.D. Box



### EMDBH-S3

Fishtail, 3" Square I.D. Box



### EMMM-1

Fishtail, 1-3/4" Square Shank



### EMF-238

Fishtail, 2-3/8" Pin - Thread As Required





## ADAPTERS

### EMDB-250

2-1/2" Square Weld On Adapter



### EMDB-3

3" Square Weld On Adapter



### EMDB-175

Adapter with 1-3/4" Square I.D. x 4" Round O.D.



### EMA212-6

Adapter with 2-1/2" Square I.D. x 6" Round O.D.





## ADAPTERS

### EMA4-7

Adapter with 4" Square I.D. x 7" Round O.D.



### EMA4-8

Adapter with 4" Square I.D. x 8" Round O.D.



### DYR-NCB-8-12

Dynalloy Hardfacing



### KELLY BOX AD.

Available In All Sizes As Requested





## KELLY BOXES

**EMH-250**  
Hexagonal Drive Hubs



**EMH-300**  
Hexagonal Drive Hubs



**EMAKB**  
Auger Kelly Boxes. Available in all sizes as requested





## GEOROCFOR - OVERBURDEN SYSTEMS

**Xs S**  
Complete Overburden and Rock Drilling System



**Xs F**  
Floating System For Piling & Anchor Installation



**OUR OFFICIAL  
SUPPLIER**

**GEOROCFOR** INC  
— ACCESSORIES

**Xs W**  
Complex Operation Overburden System



**Xs RU**  
Retrievable / Reusable System

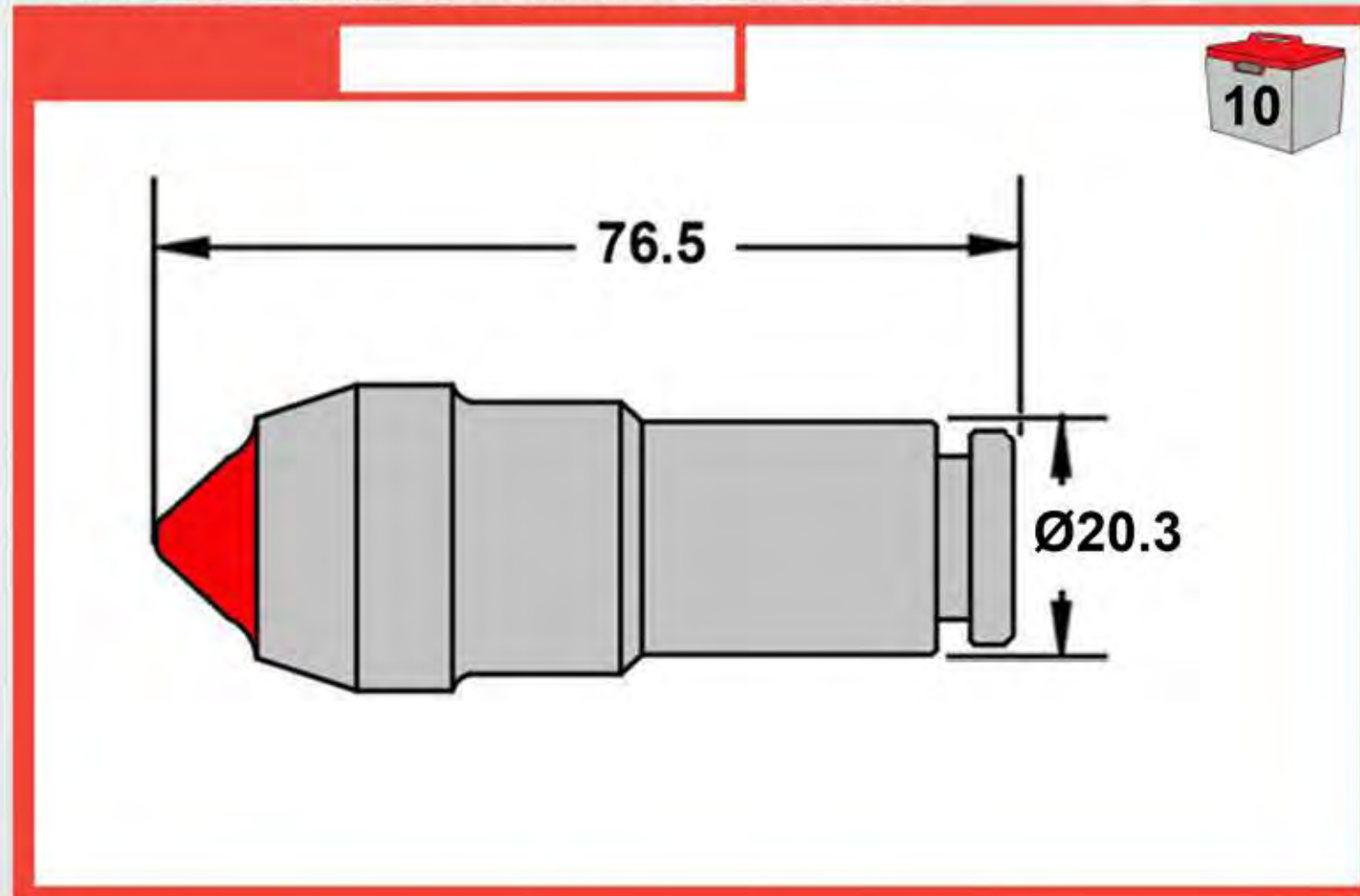




## HDD TRIHAWK TEETH

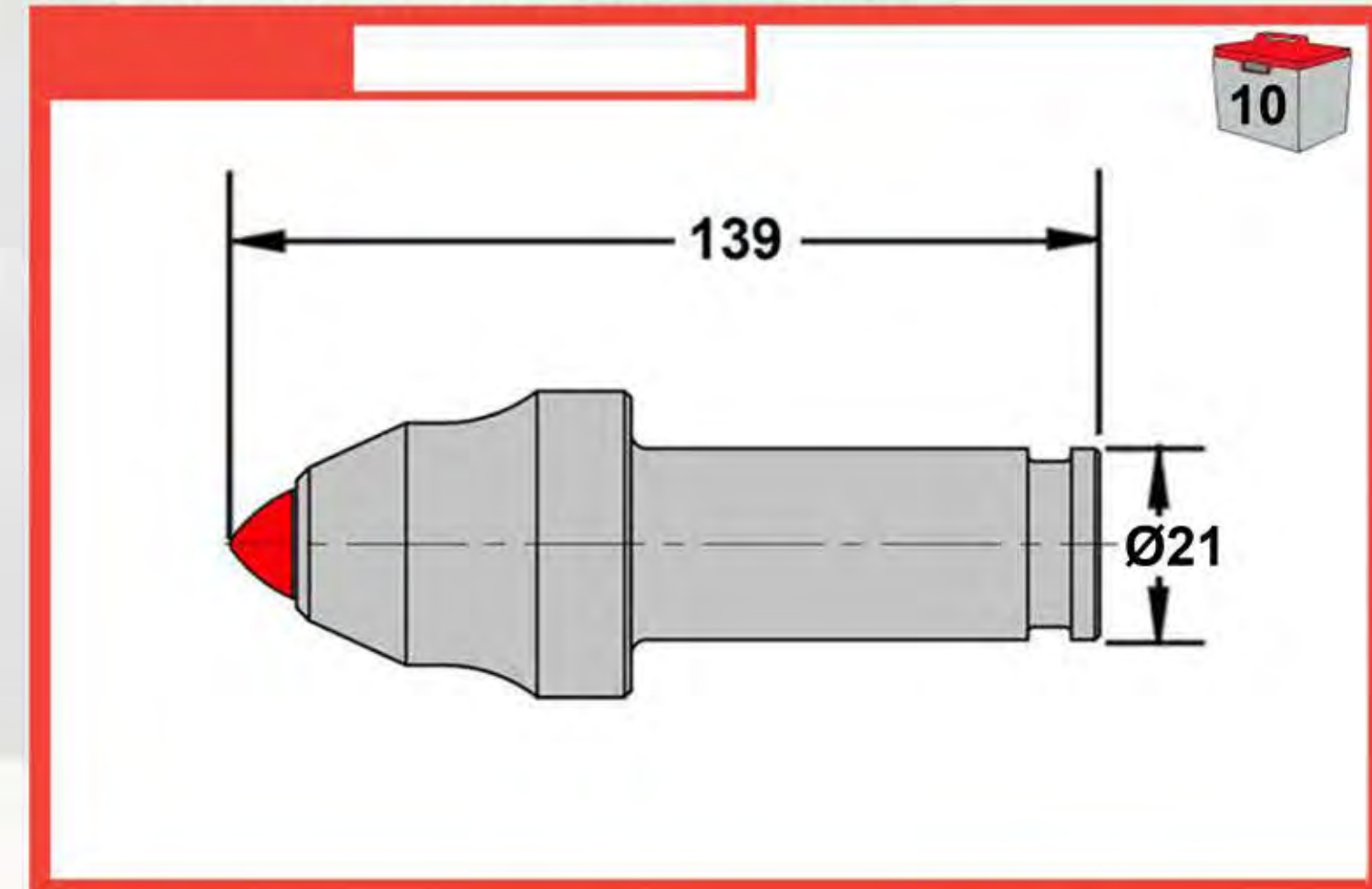
### CP27HDD

Carbide Tooth for Hard Conditions



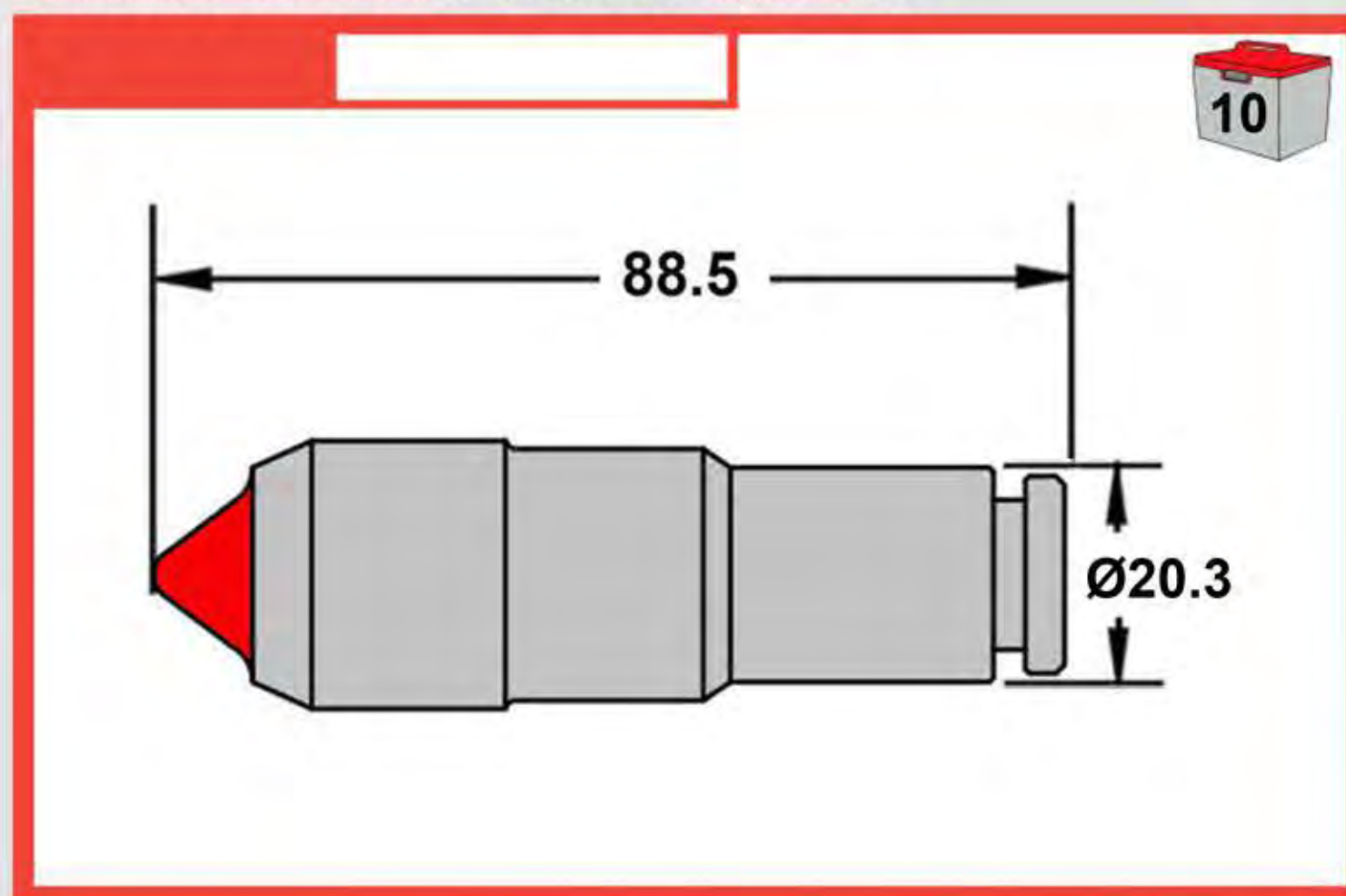
### CP28HDD

Carbide Tooth for Hard Conditions



### CP29HDD

Carbide Tooth for Hard Conditions



### RAD TOOTH

Radius 2700, 3000, 3500 Series Available

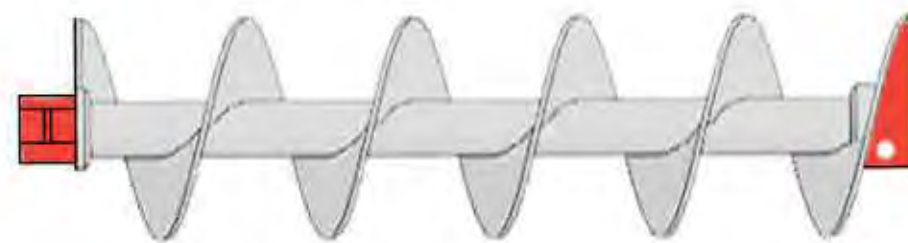




## HDD TRIHAWK TEETH

### DID YOU KNOW?

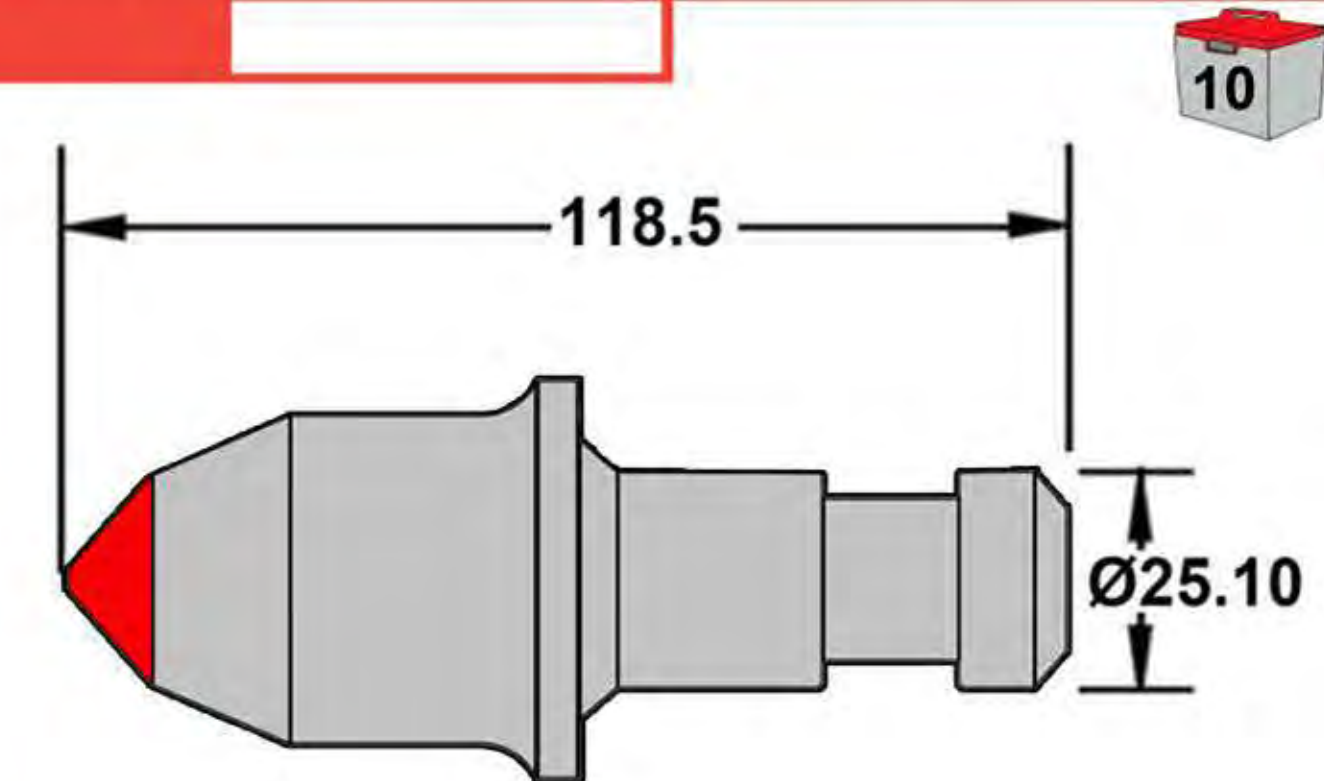
*Hardmetals can bend auger flights up to 72 inches in house!*



Clay augers are available upon request!

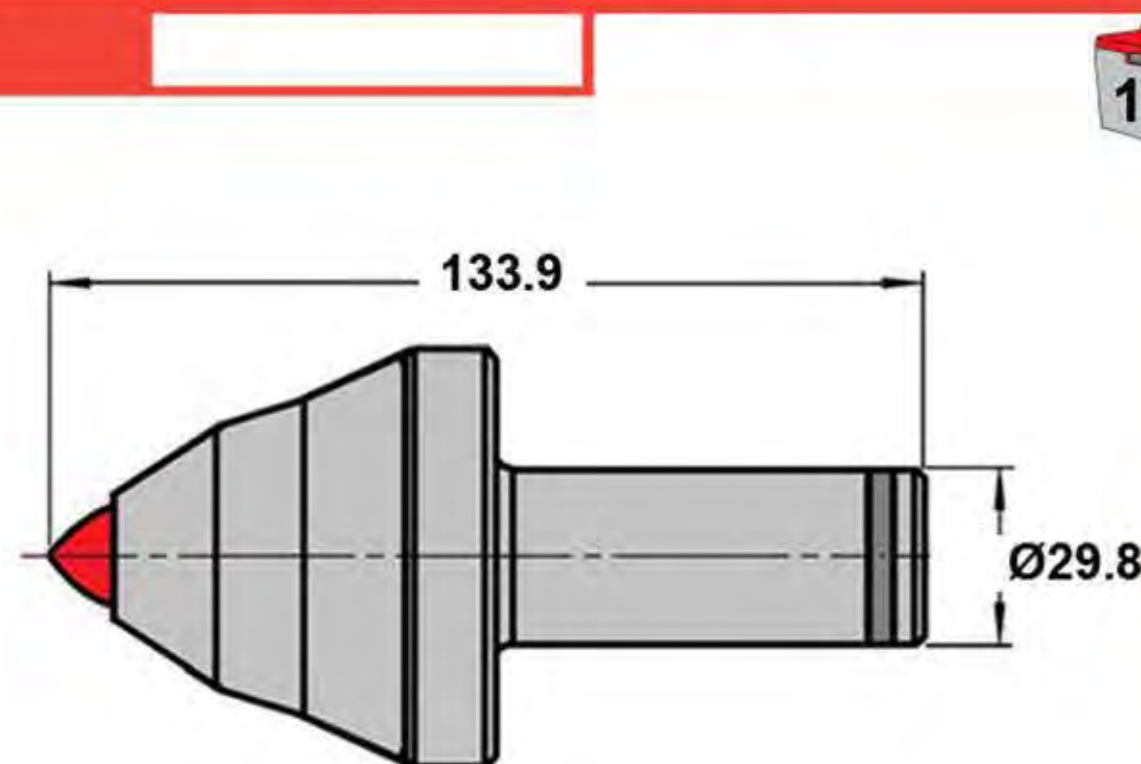
### CP49HDD

Carbide Tooth for Hard Conditions



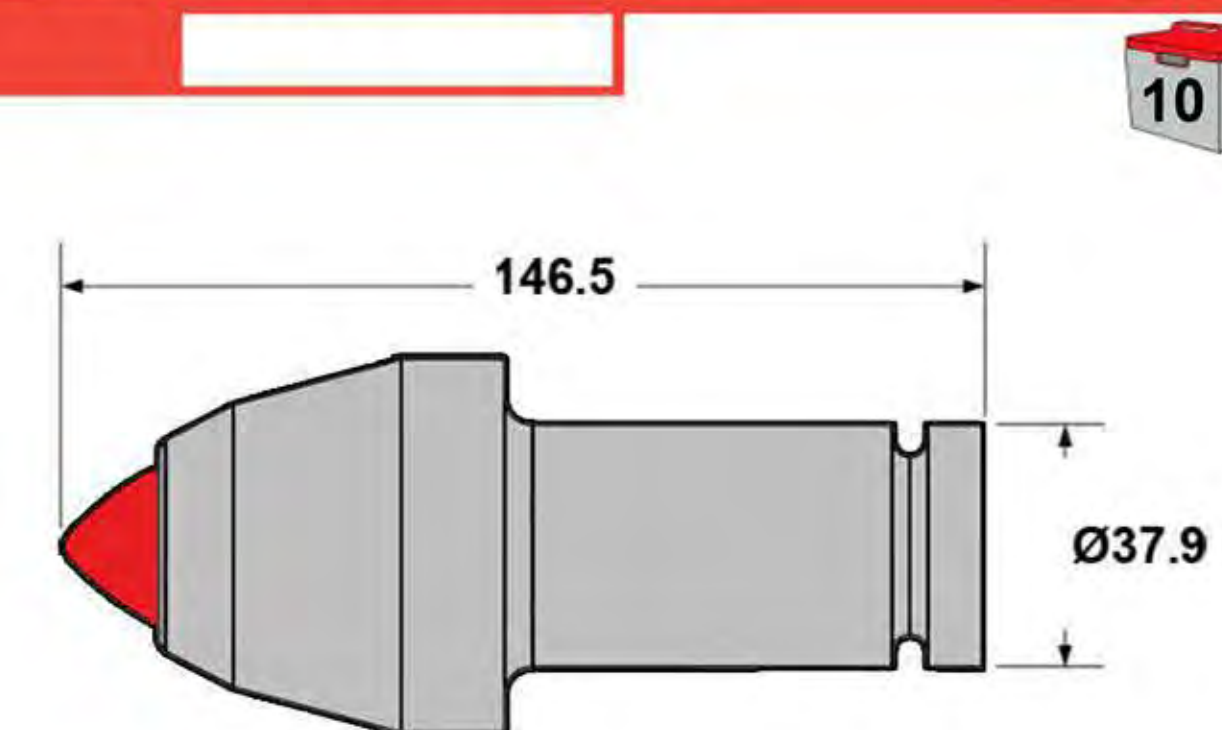
### CP76HDD

Carbide Tooth for Hard Conditions



### CP93HDD

Carbide Tooth for Hard Conditions

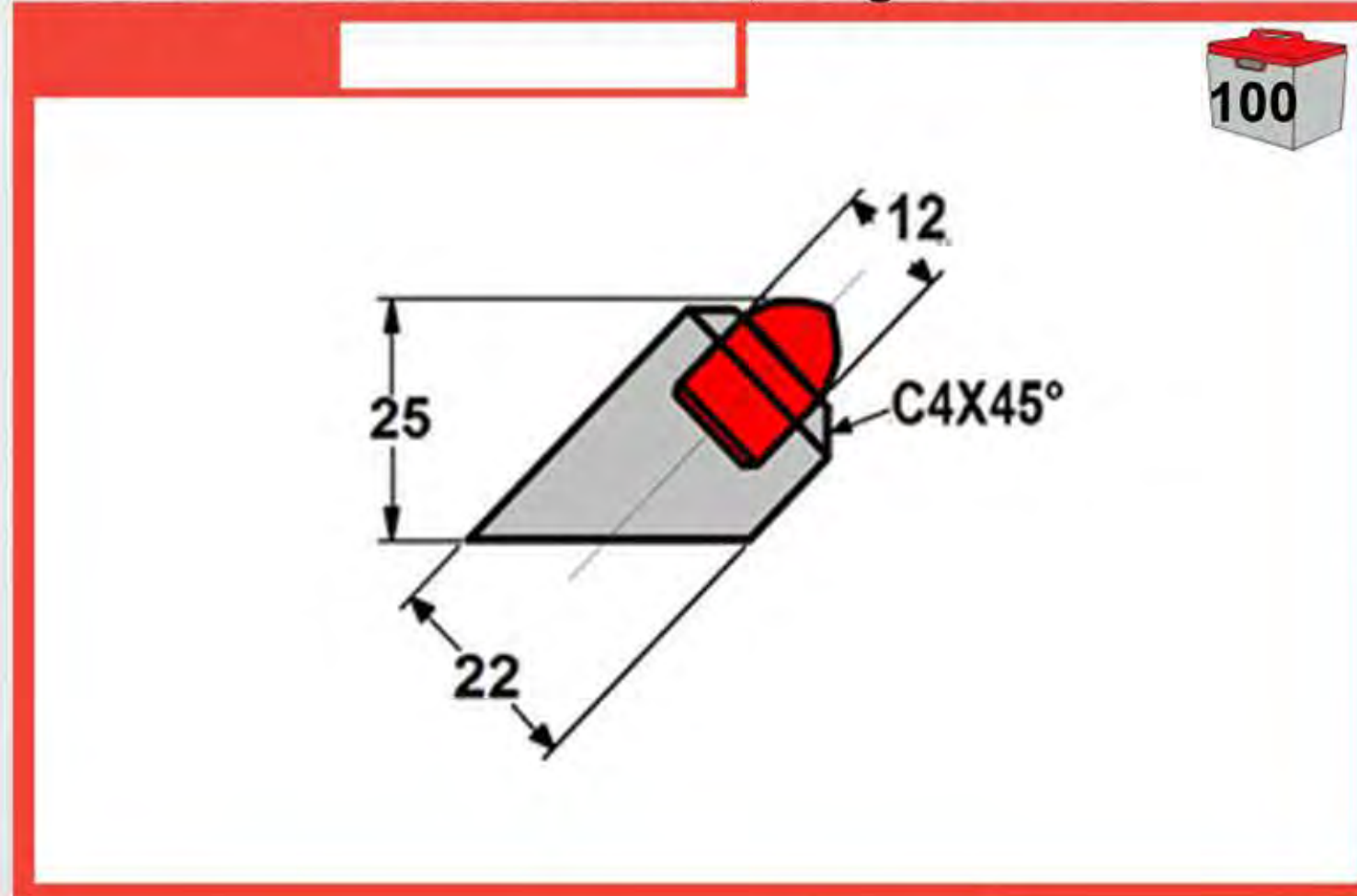




## HDD WELD ON TEETH

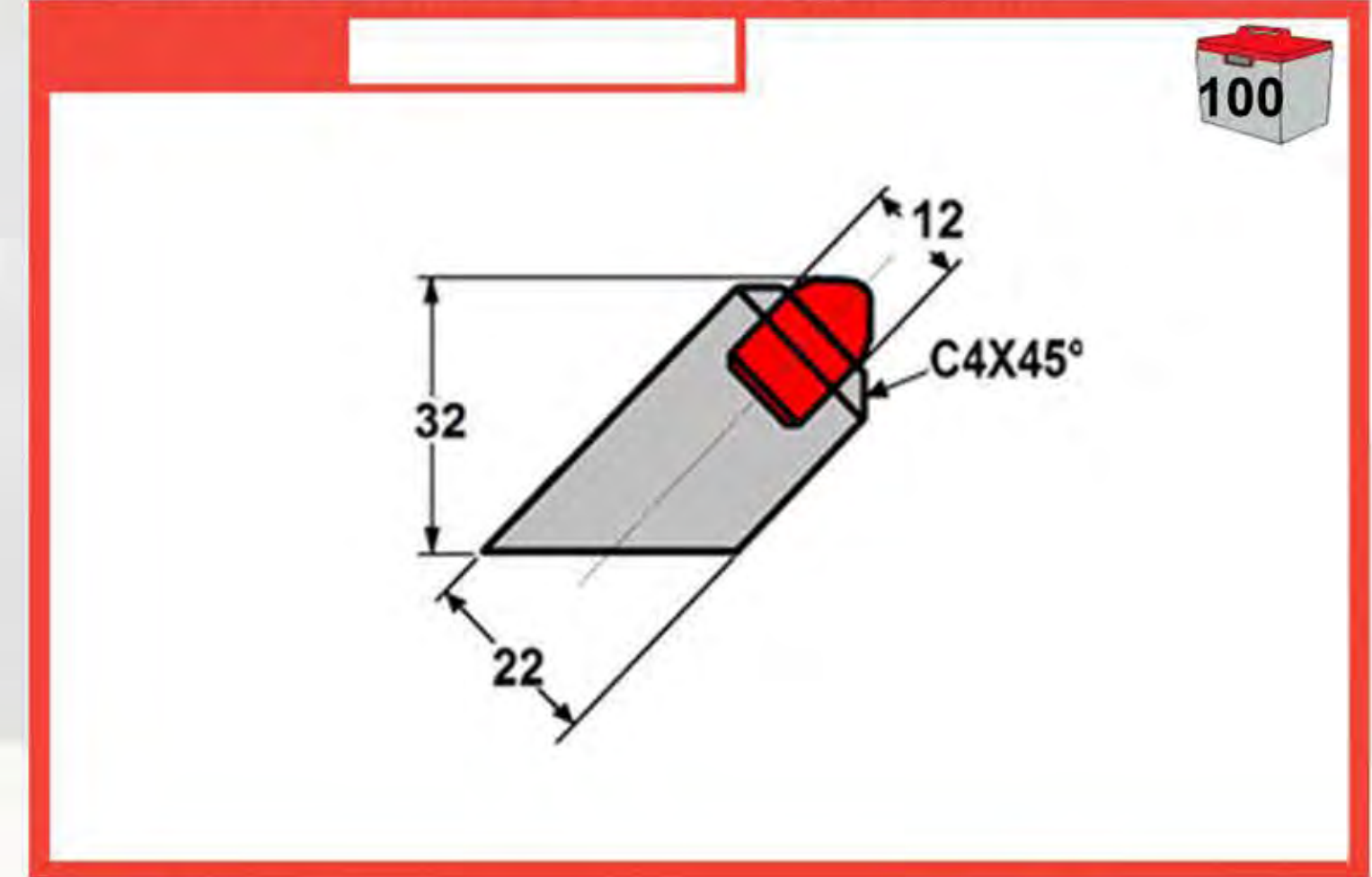
### HDD-12DCI-25-45

Weld on 12mm Insert Tooth, Height 25mm



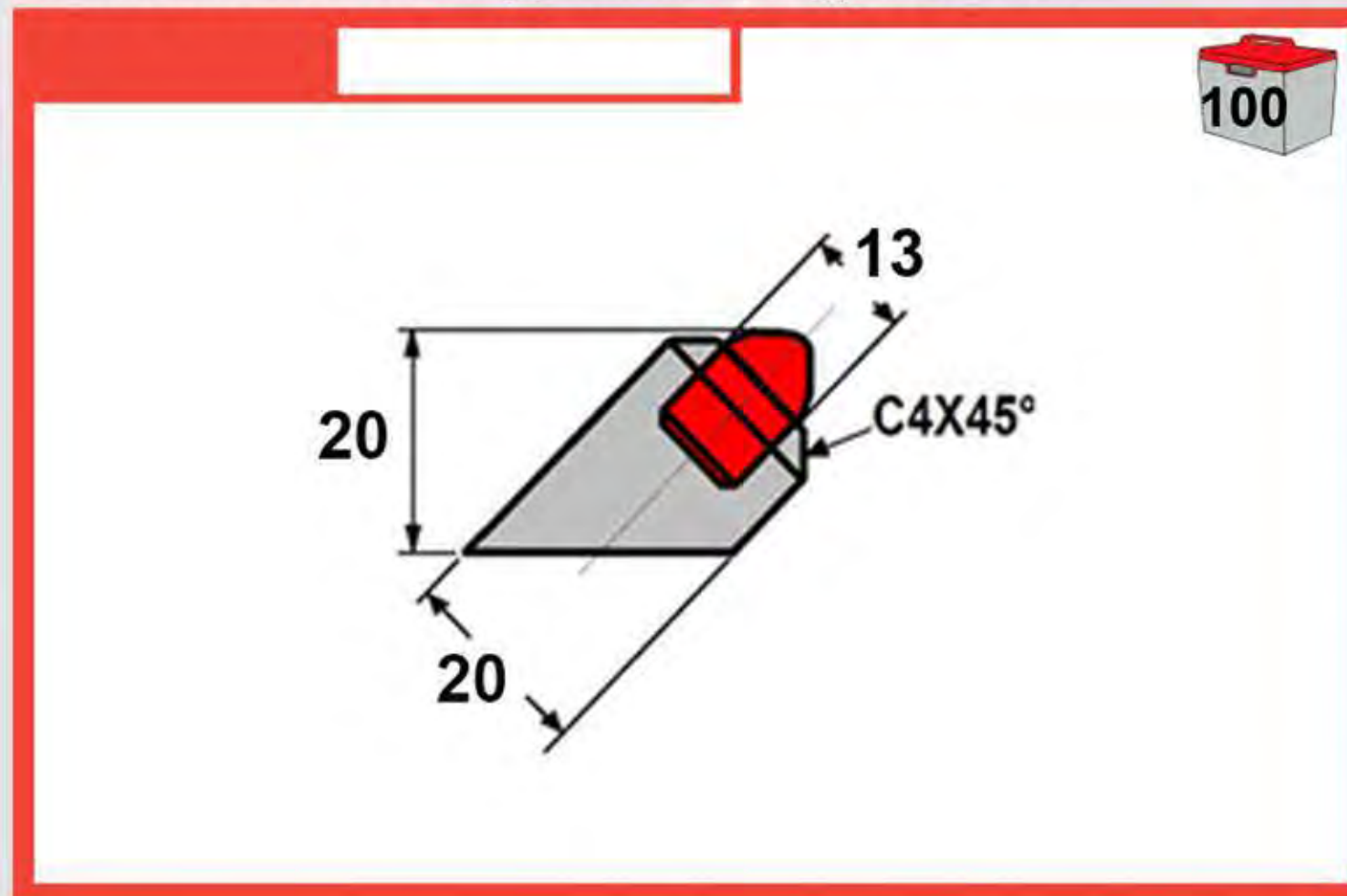
### HDD-12DCI-32-45

Weld on 12mm Insert Tooth, Height 32mm



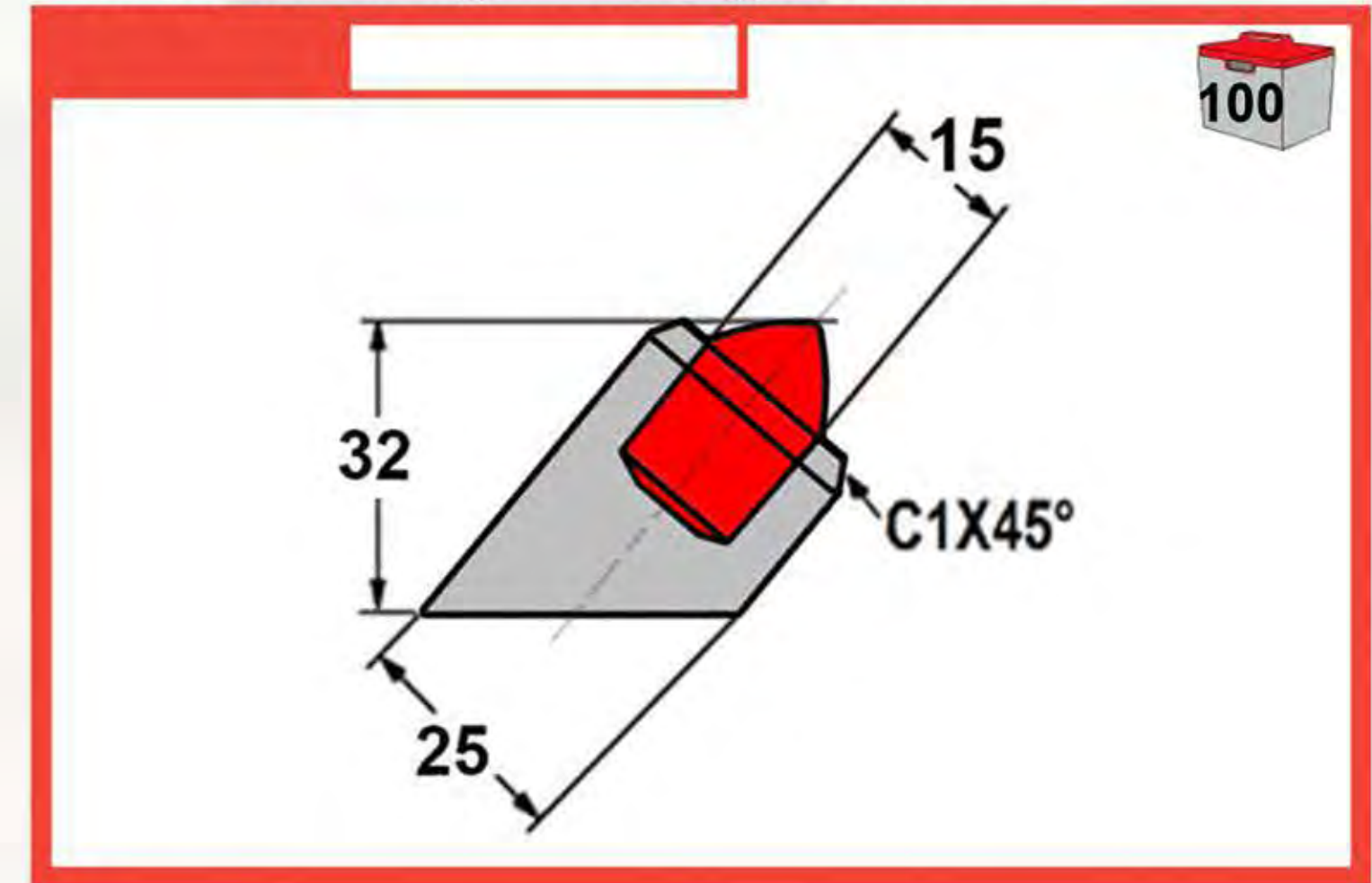
### HDD-13CI-20-45

Weld On 13mm Cap, Tooth Height 20mm



### HDD-15CI-32-50-25

Weld on 15mm Cap, Tooth Height 32mm



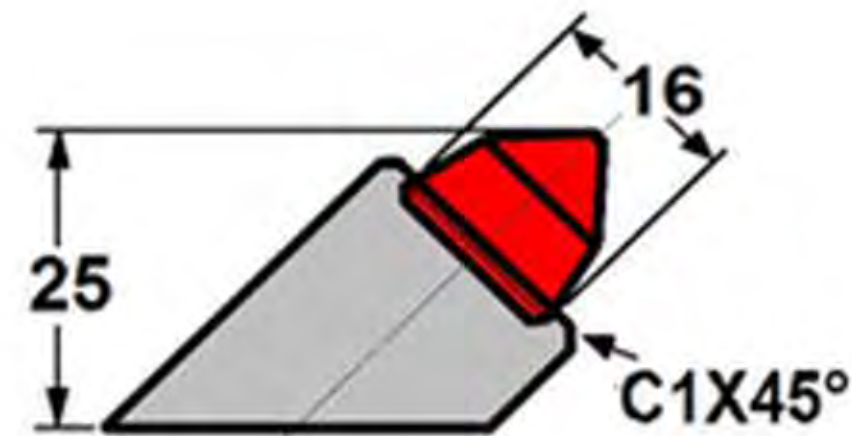


## HDD WELD ON TEETH

### HDD-16DCC-25-45

Weld on 16mm Cap, Tooth Height 25mm

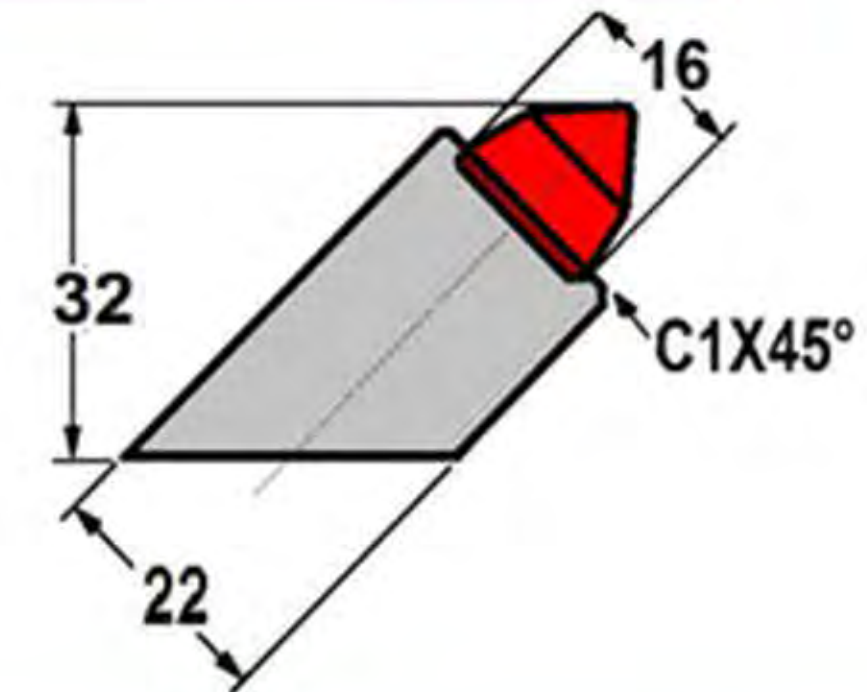
Comparable: BR1



### HDD-16DCC-32-45

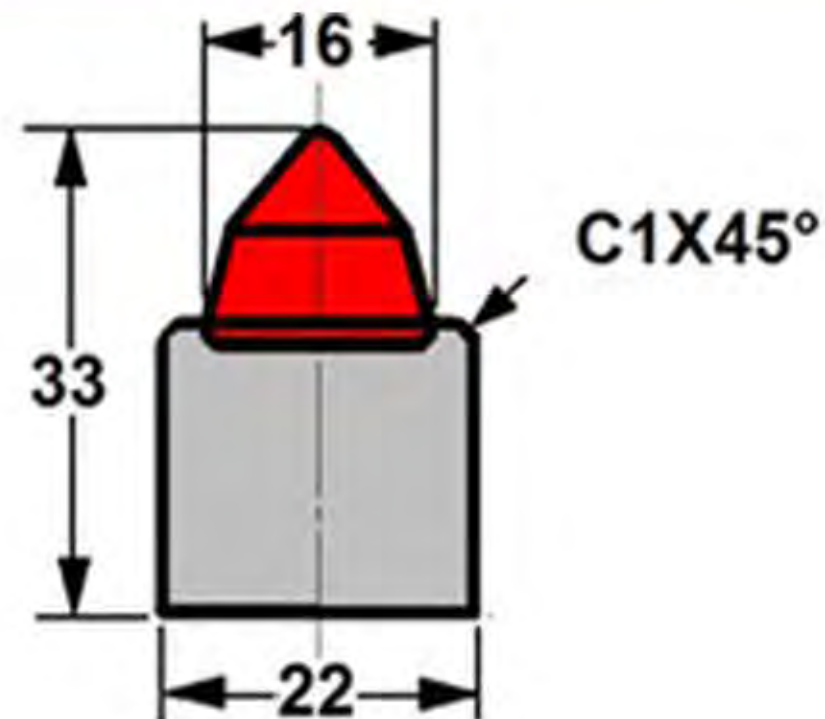
Weld on 16mm Cap, Tooth Height 32mm

Comparable: BR3



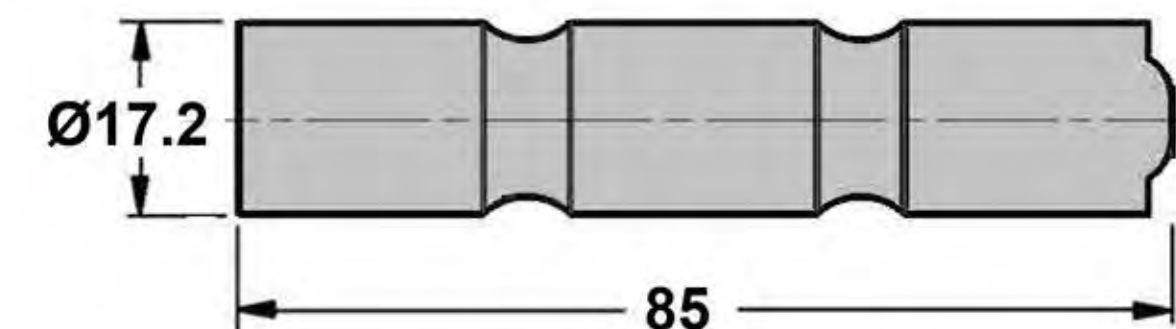
### HDD-16DCC-33-90

Weld on 16mm Cap, Height 32mm, Angle=90



### TRIHAWK PIN

Pin for trihawks





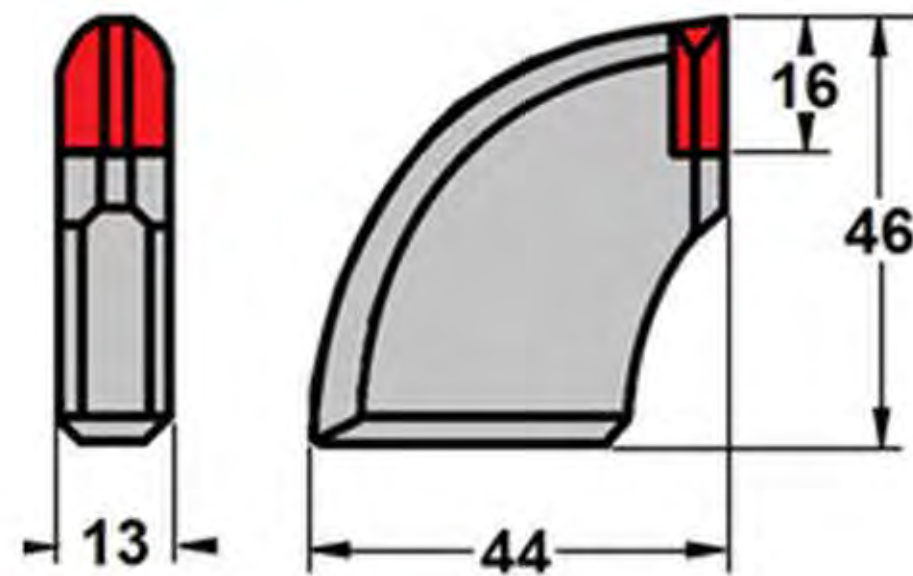
## HDD WELD ON TEETH

### EM405

Weld on Tooth, Height 44mm

Comparable: DT-50

100

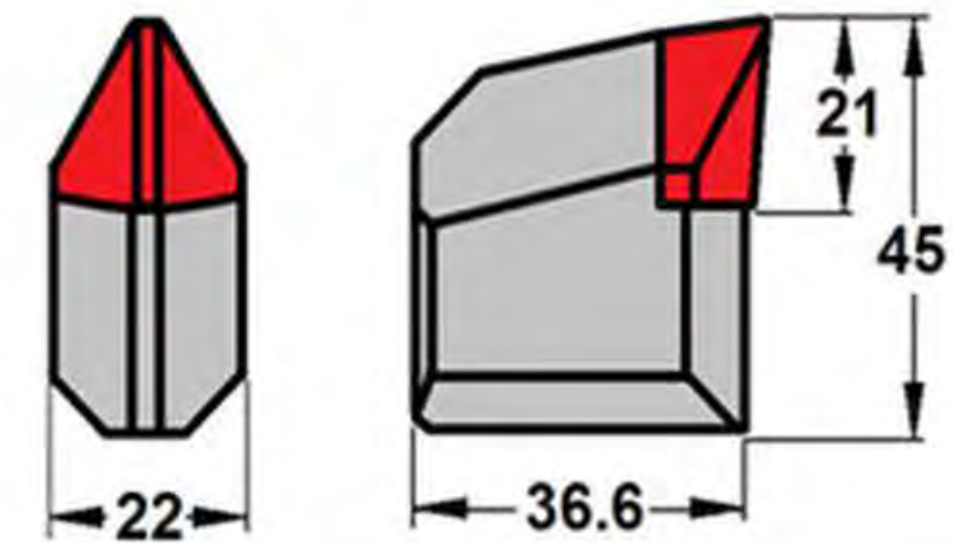


### EM405-22

Weld on Tooth, Height 36.5mm

Comparable: RT-01/RT-2

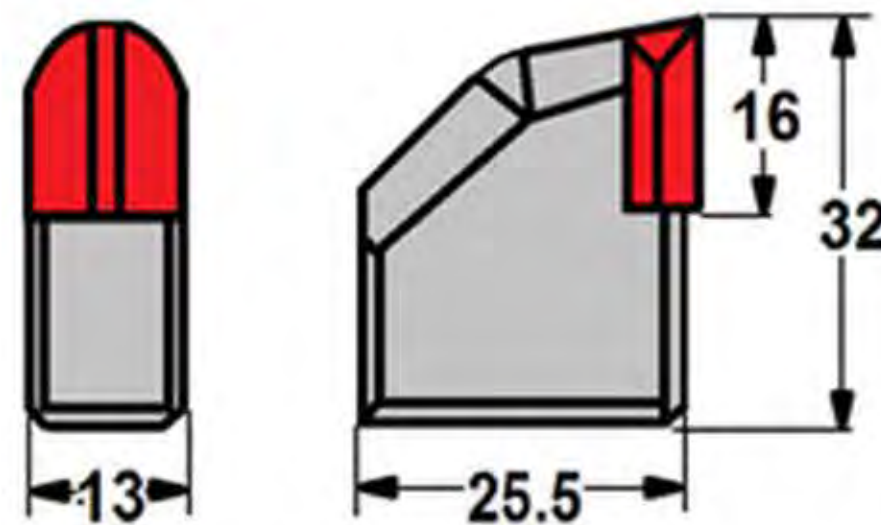
100



### EM405-S

Weld on Tooth, Height 25.5mm

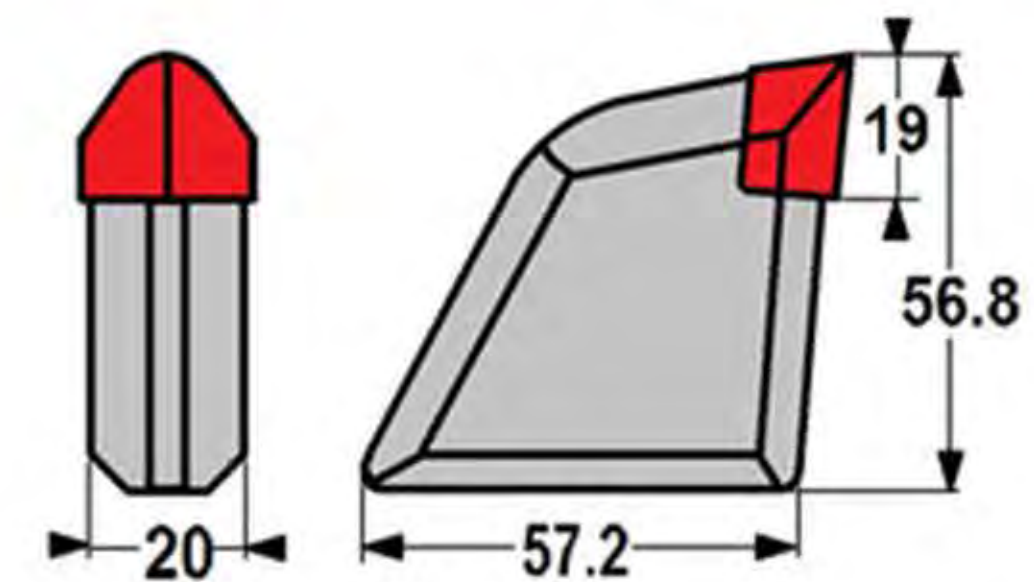
200



### EM405-22L

Weld on Tooth, Height 57mm

40

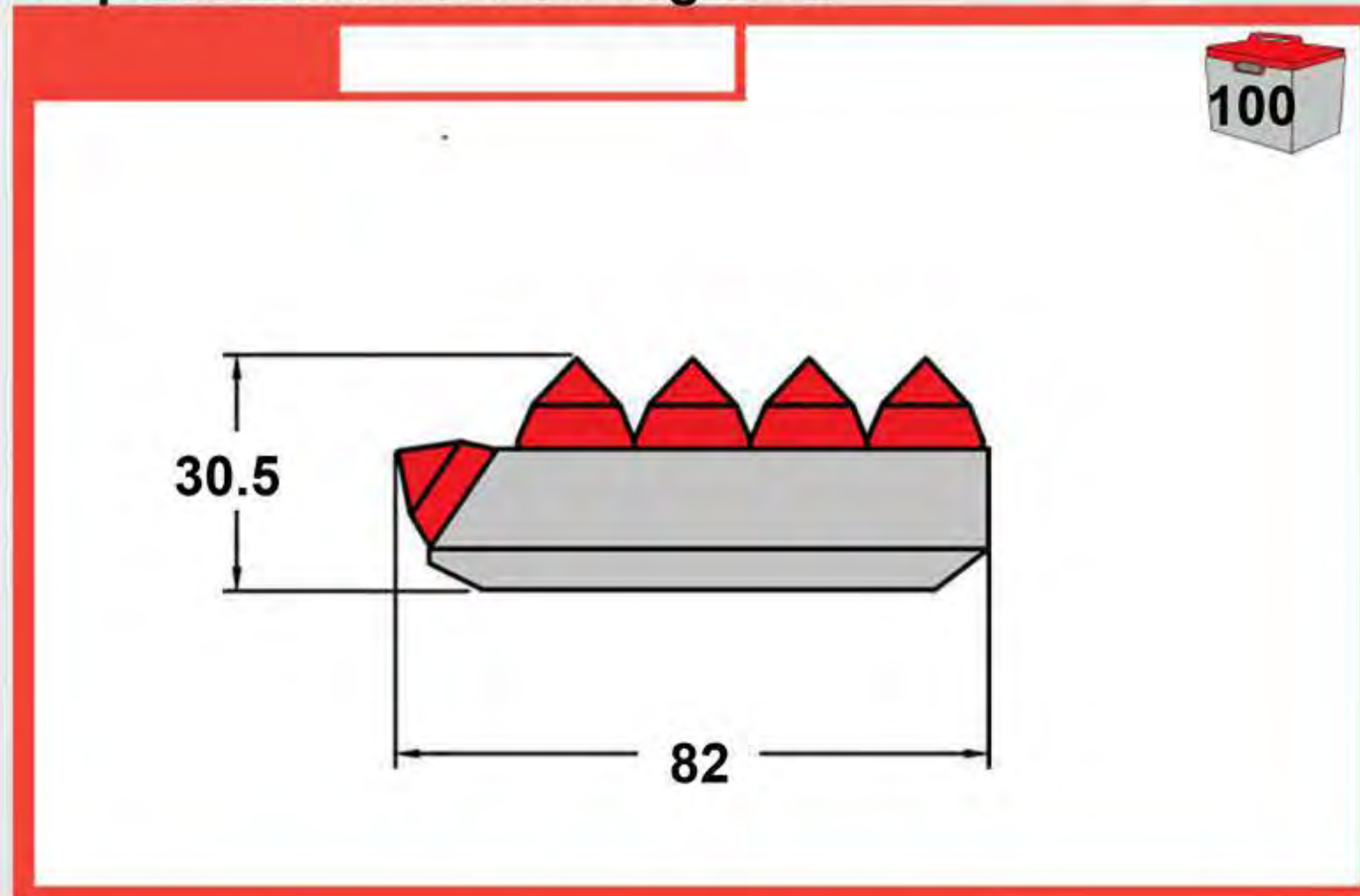




## HDD WELD ON TEETH & ACCESSORIES

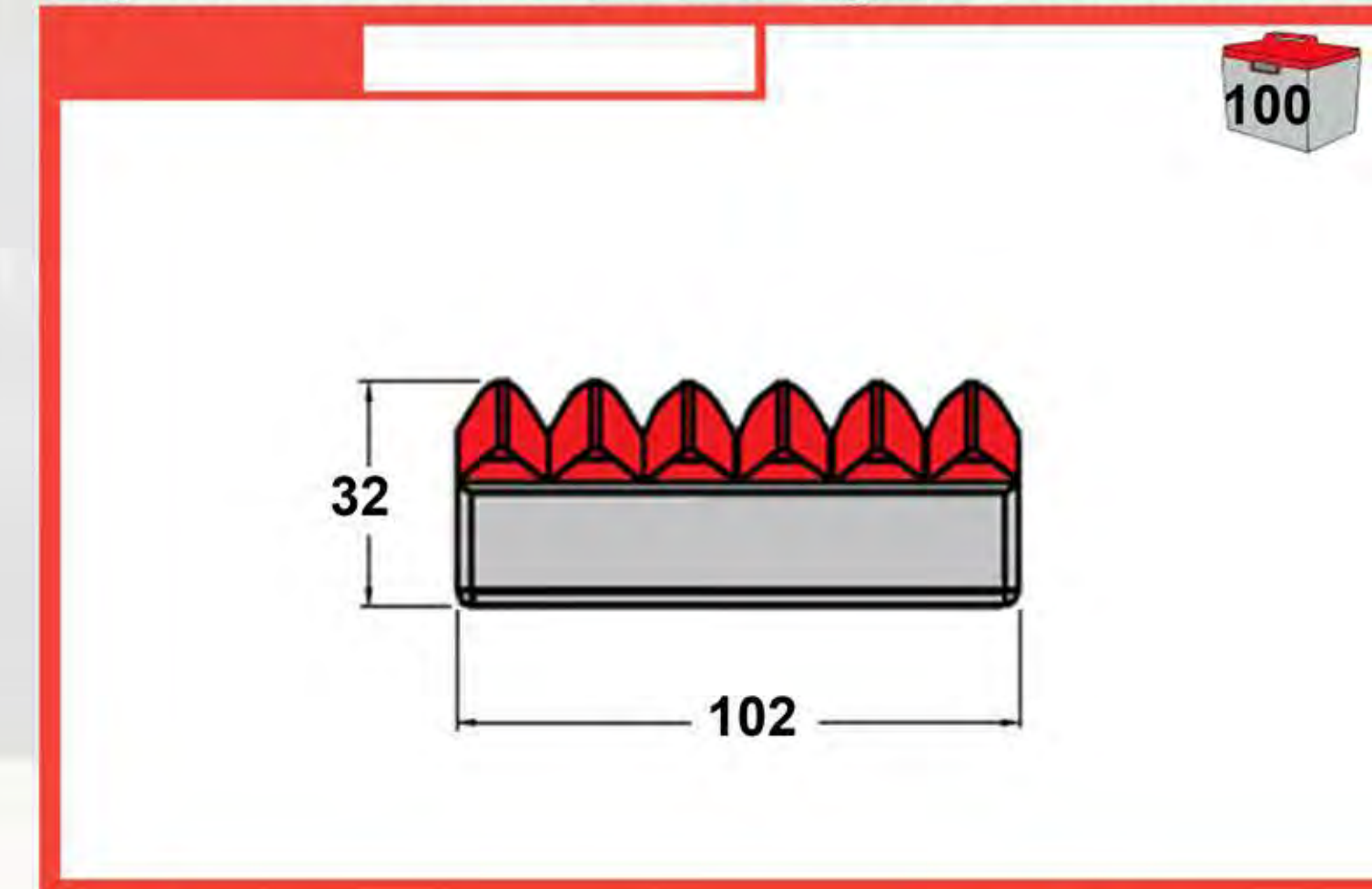
### WELDONSEGMENT5

Replacement weld-on segment

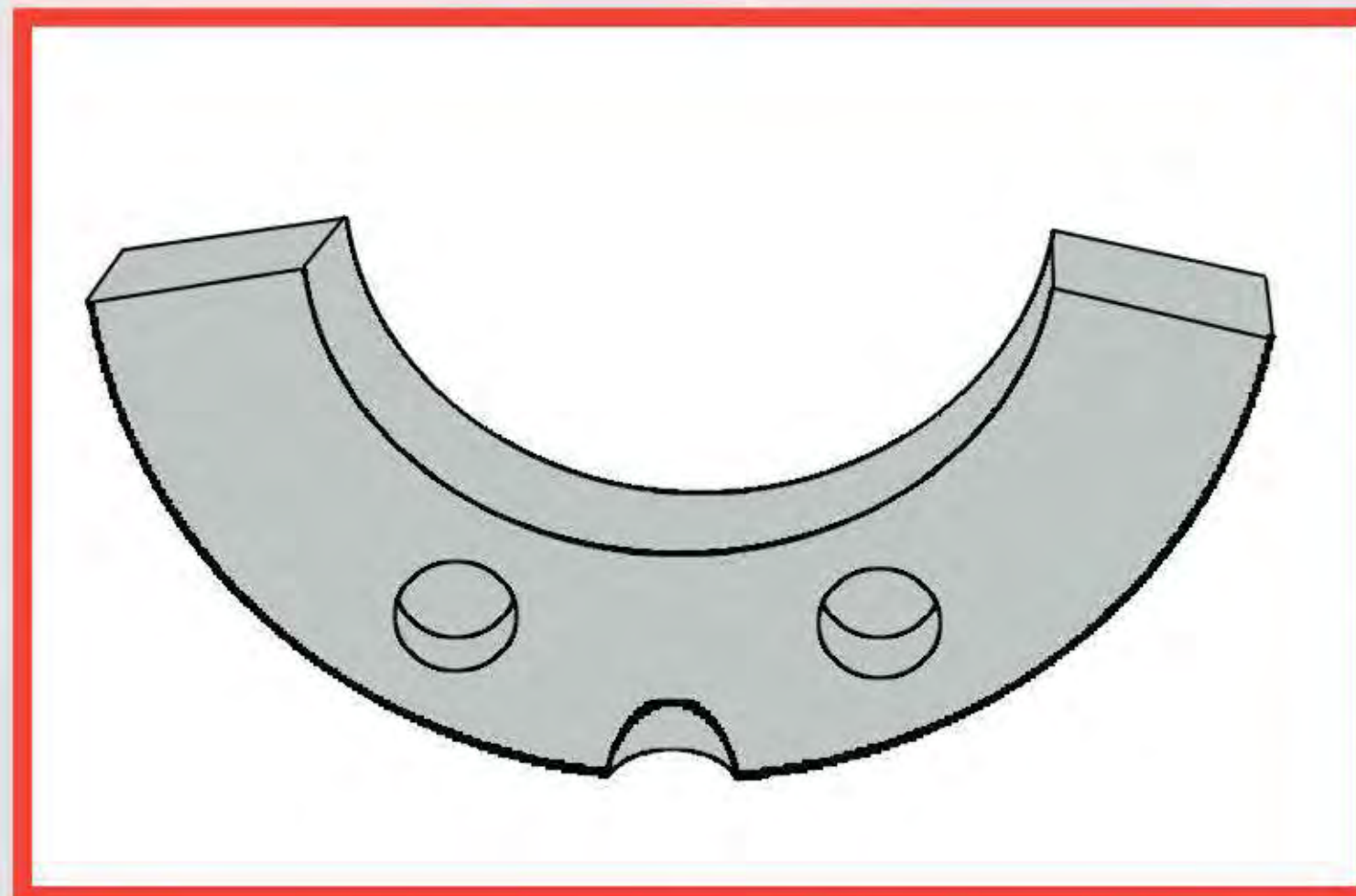


### TBB-16DCC-BLOCK6

Replacement weld-on carbide segment, available from 2 to 6 teeth



### TRIHAWK SHOE



### DRILL PIPE

**DRILL PIPE AVAILABLE  
CONTACT US FOR INFORMATION**

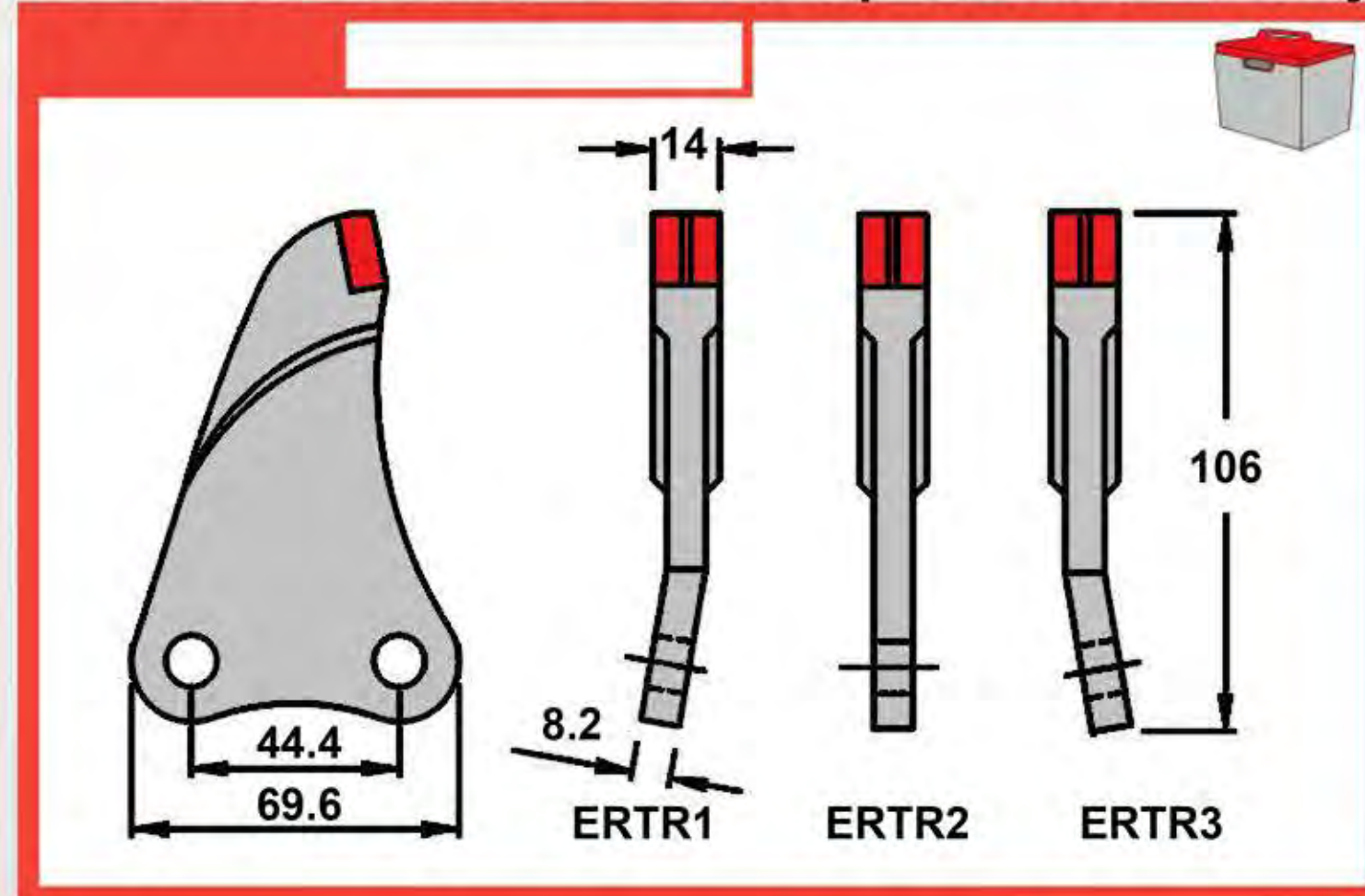




## TRENCHER TEETH

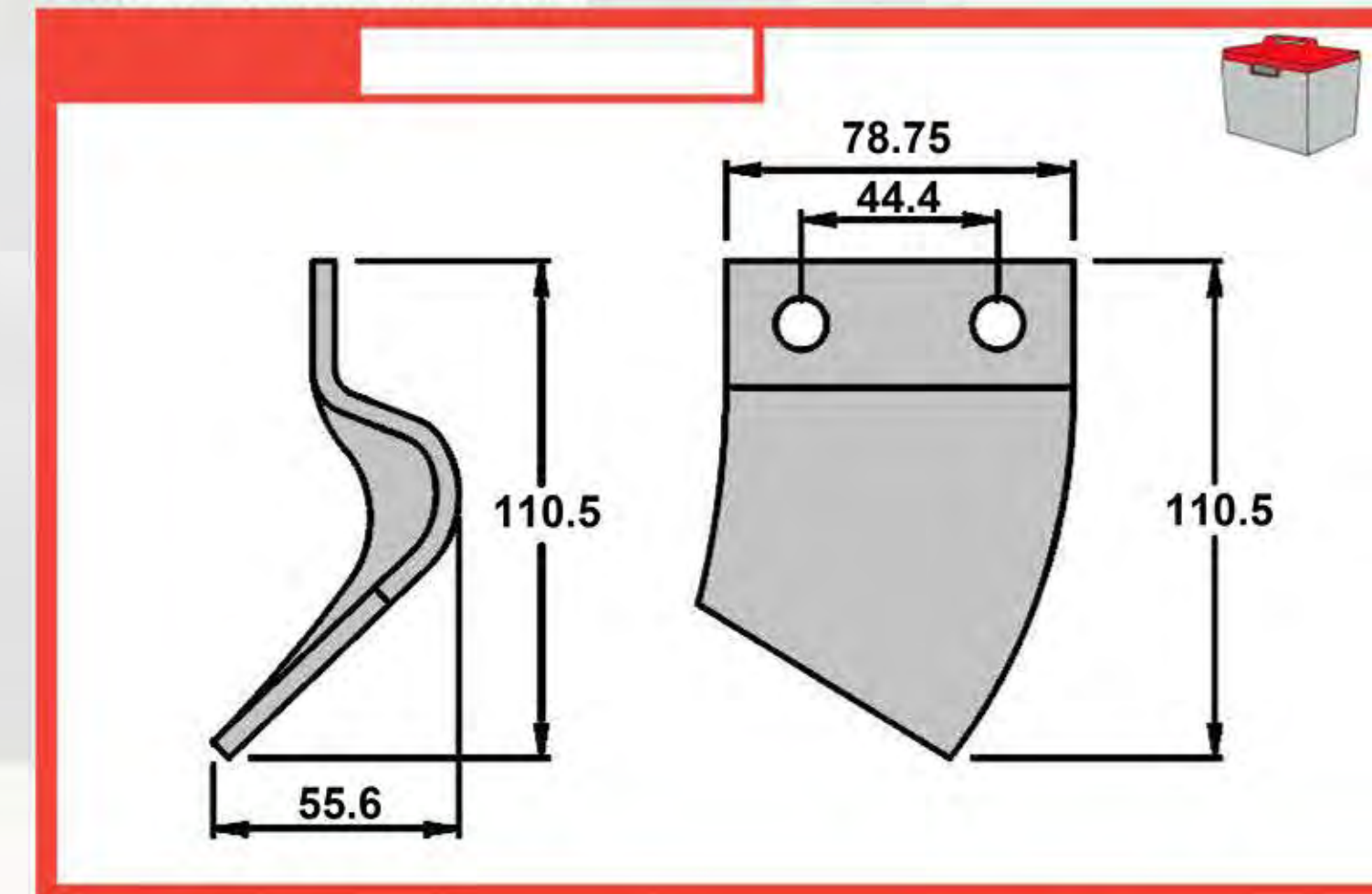
### ERTR1, ERTR2, ERTR3

Bolt-on trencher teeth. These 3 products differ only by the tilt-angles



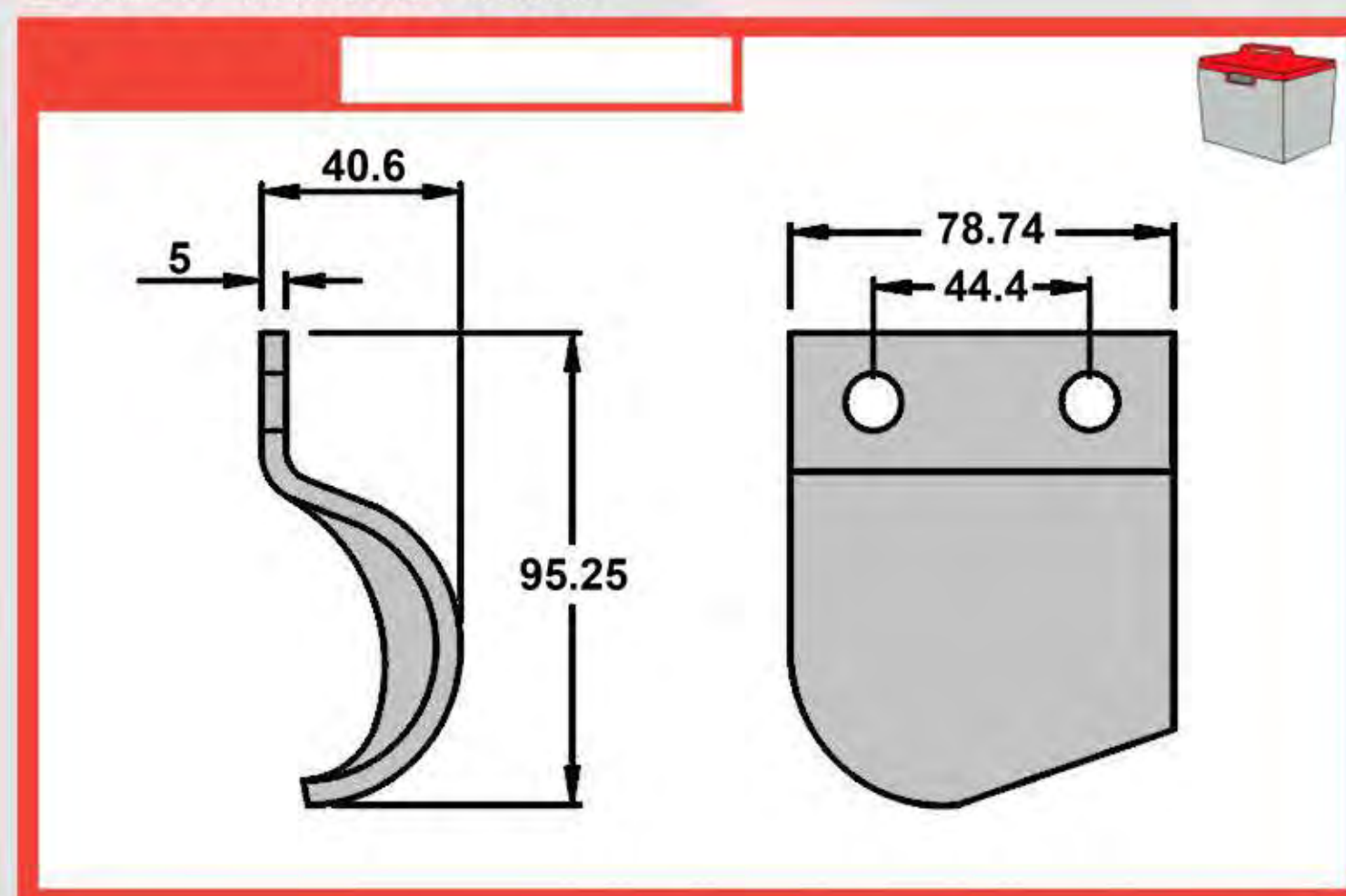
### ERTR4

Bolt-on trencher teeth



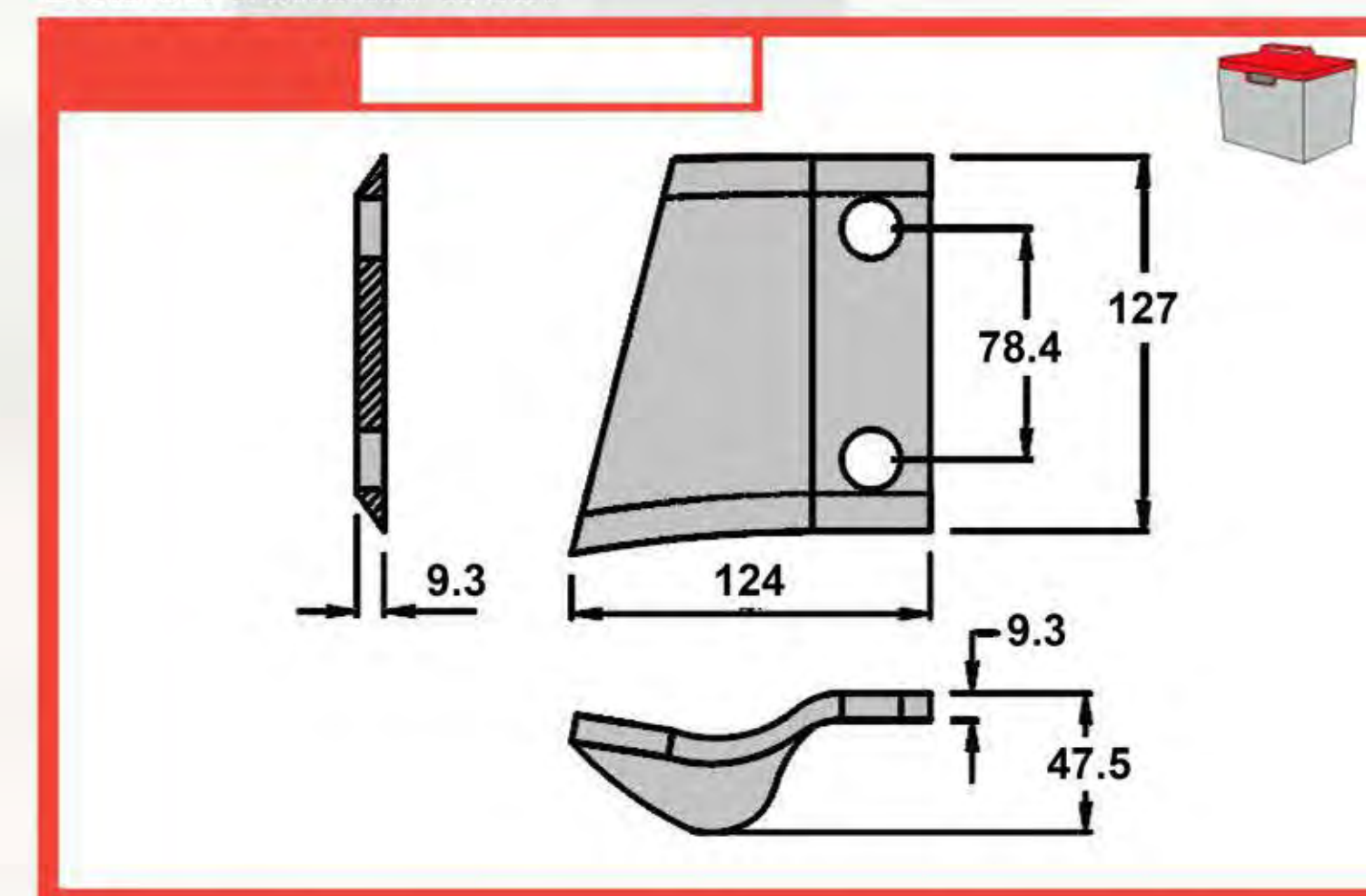
### ERTR5

Bolt-on trencher teeth



### ERTR6

Bolt-on trencher teeth





## DRILL BITS

### EMTCI

Tricone, Carbide Button Bit



### EMMT

Tricone, Steel Tooth Bit



### EMPDC

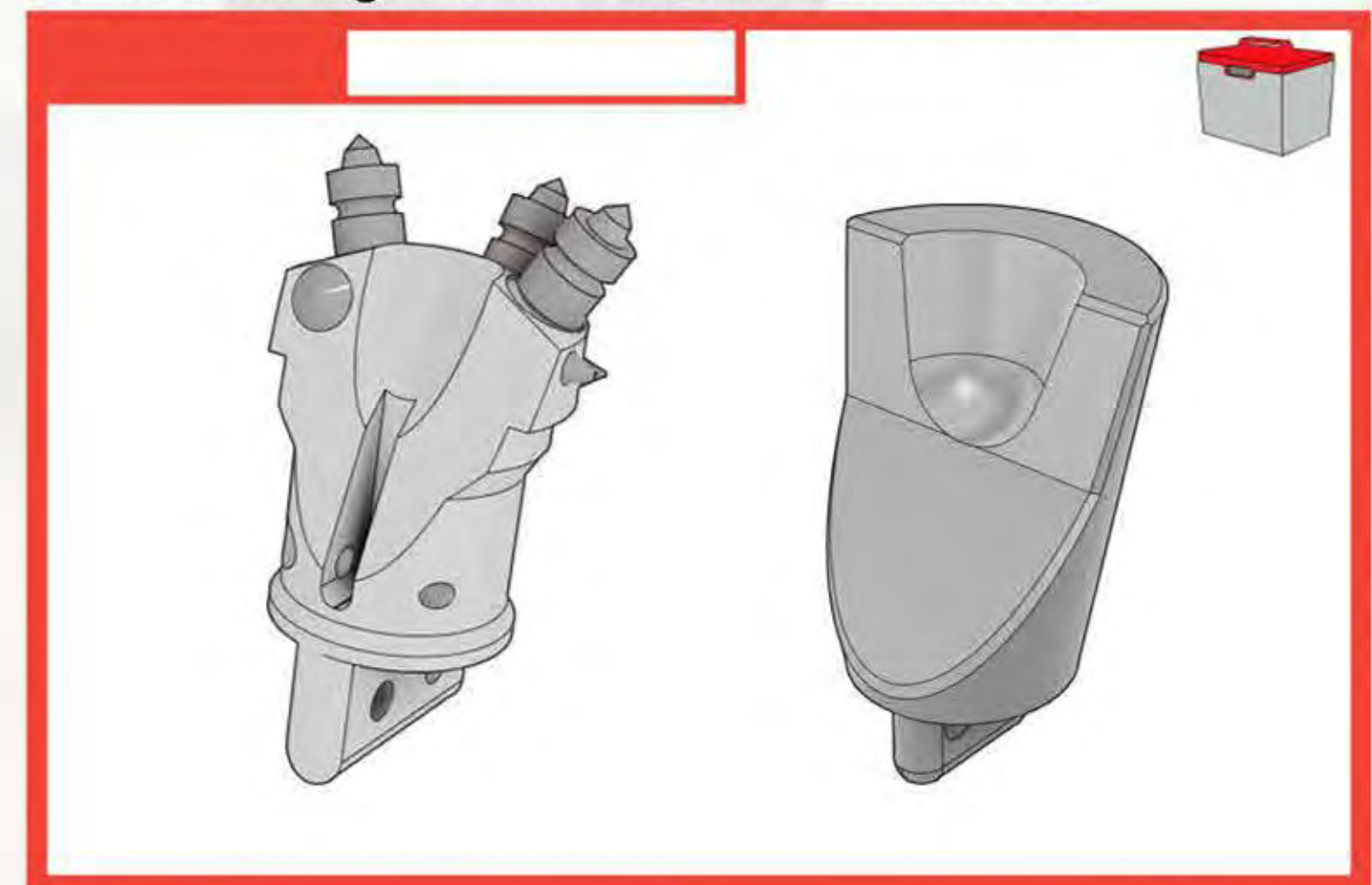
Tricone, PDC Bit



Contact us directly  
for information  
about variety of  
bit sizes & types

### MODHAWK HDD BIT

Hard Surfacing and Carbide Buttons Available





## HDD ACCESSORIES

### SAVER SUBS & CROSSOVERS

Available as requested



### AUGER FLIGHT MANUFACTURING

Available as requested



### TRIHAWKS

Available as requested



### SHAKER SCREENS

Available as requested





## TRIHAWK & THREAD REPAIR

### TRIHAWK REPAIR - BEFORE



### TRIHAWK REPAIR - AFTER



EXCHANGE PROGRAM  
AVAILABLE!!

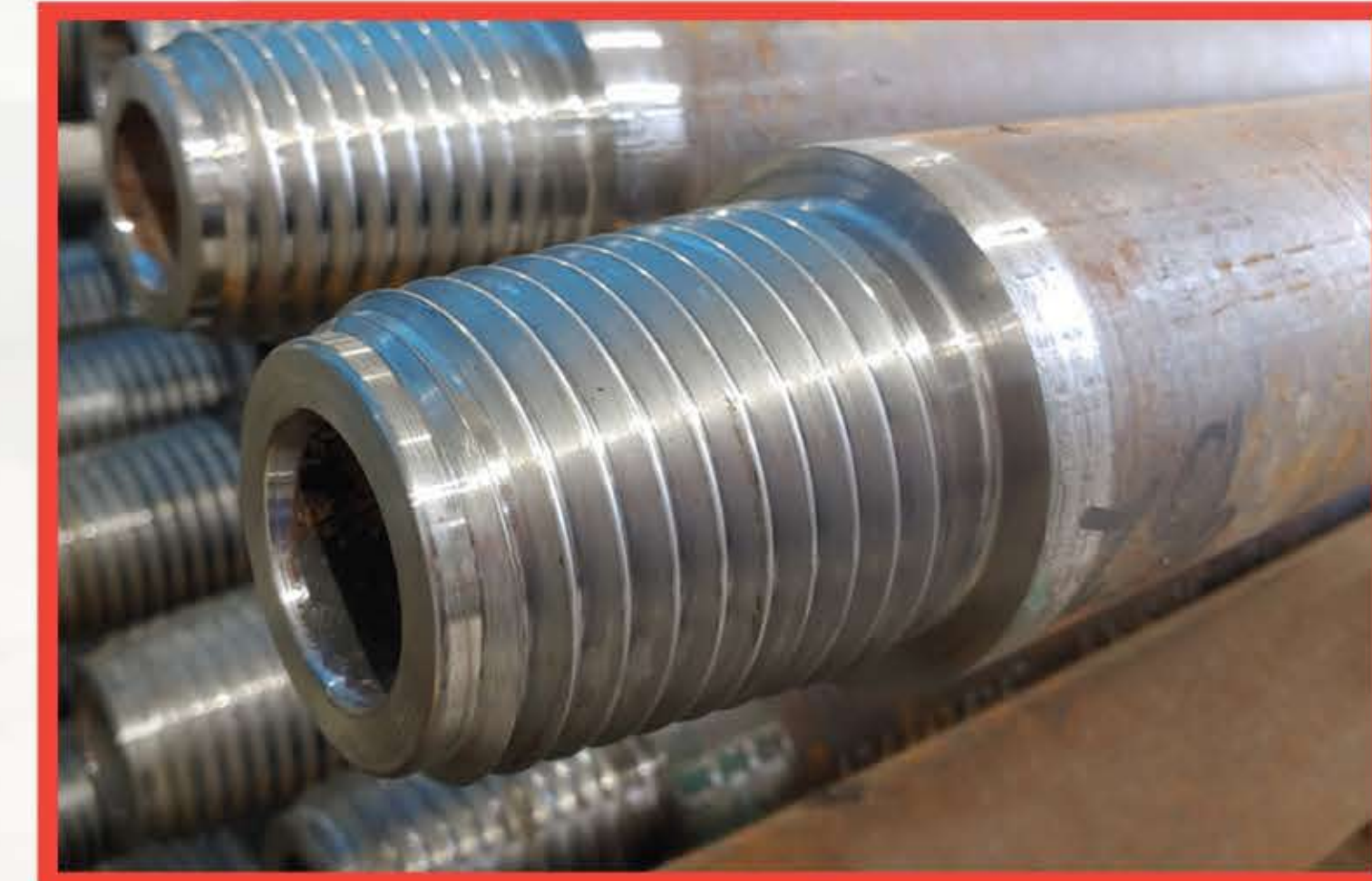
### THREAD REPAIR - BEFORE

Repairs of any thread types available



### THREAD REPAIR - AFTER

Repairs of any thread types available





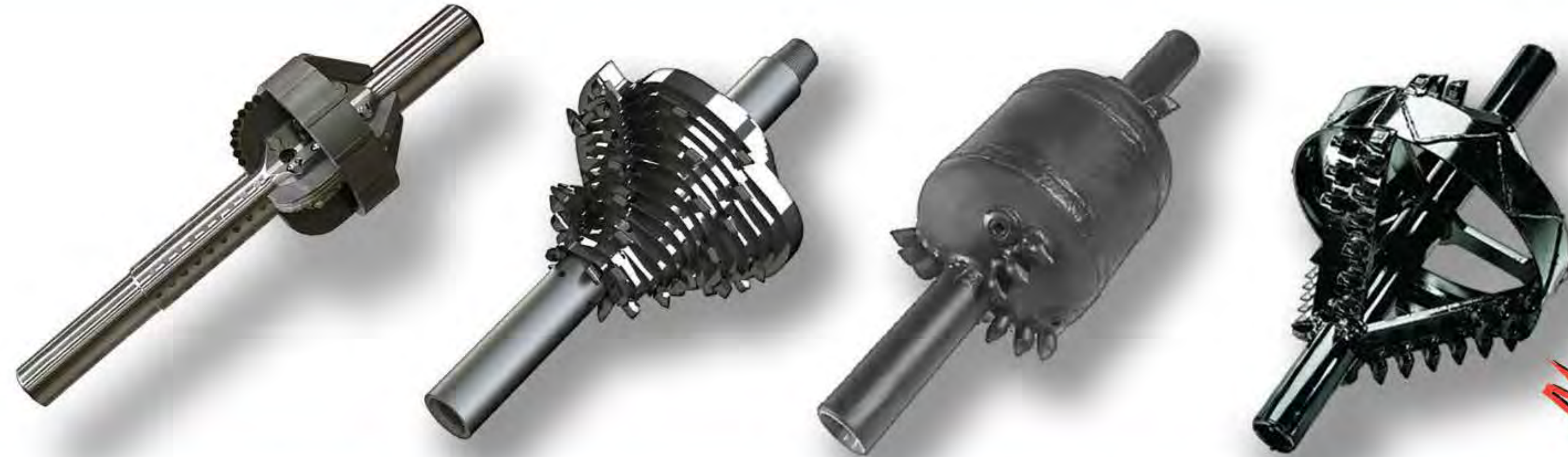
## HOLE OPENERS

### HDD HOLE OPENERS

Wombat PDC, Fluted, Stack Plate and Batter Reamers Available

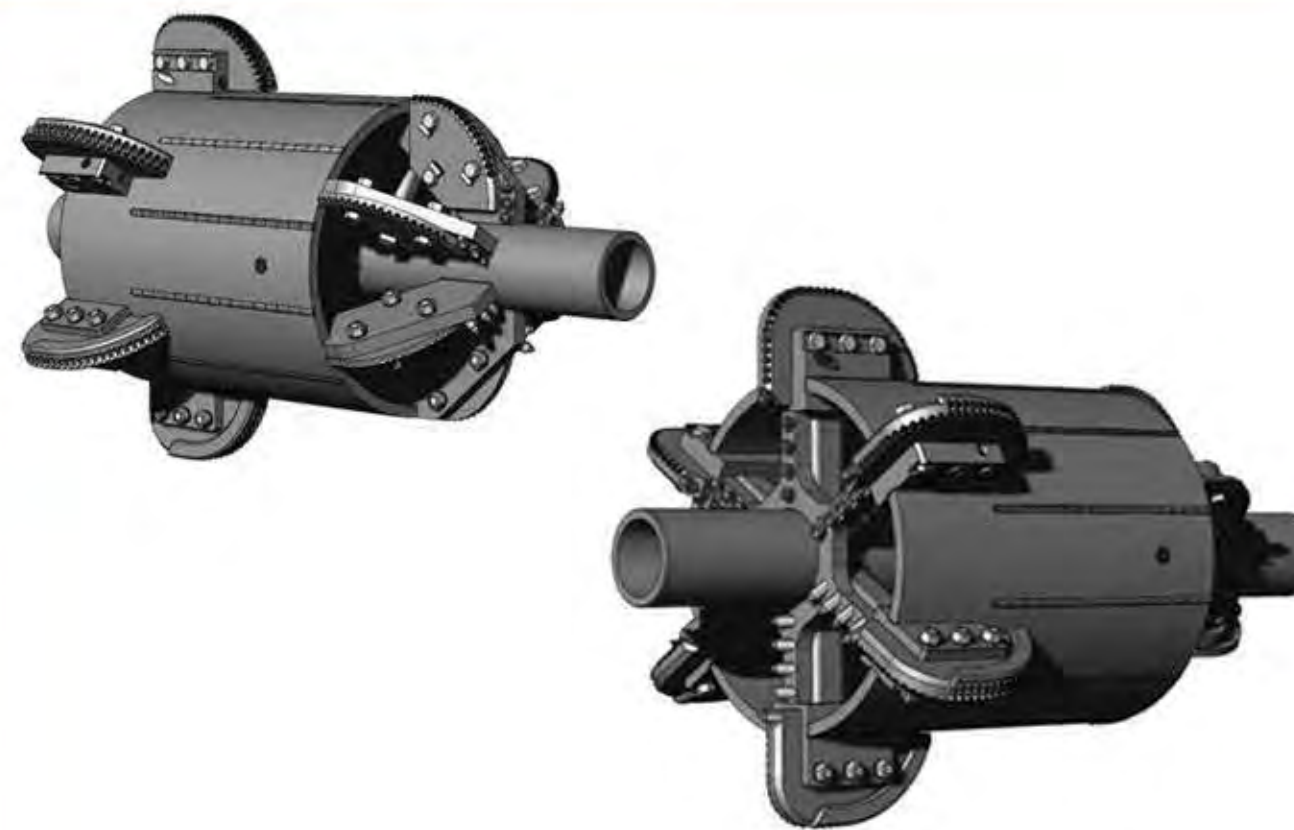
### REAMER RENTAL

All Sizes Available, Call For Quote



### ROCKET

Your #1 Choice For Hard Formation!



**RENTALS  
AVAILABLE!**

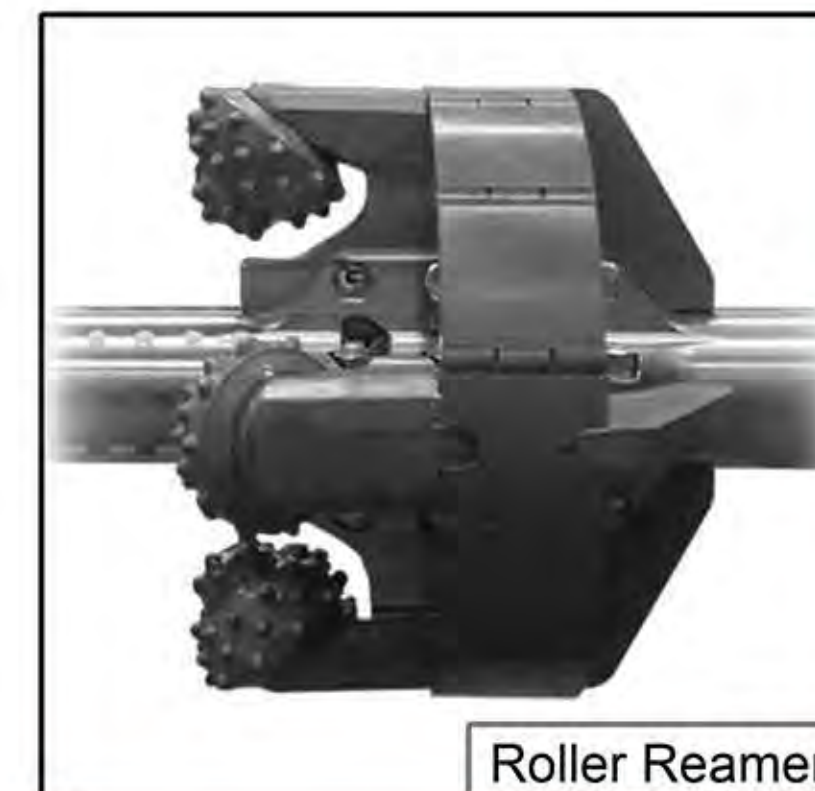
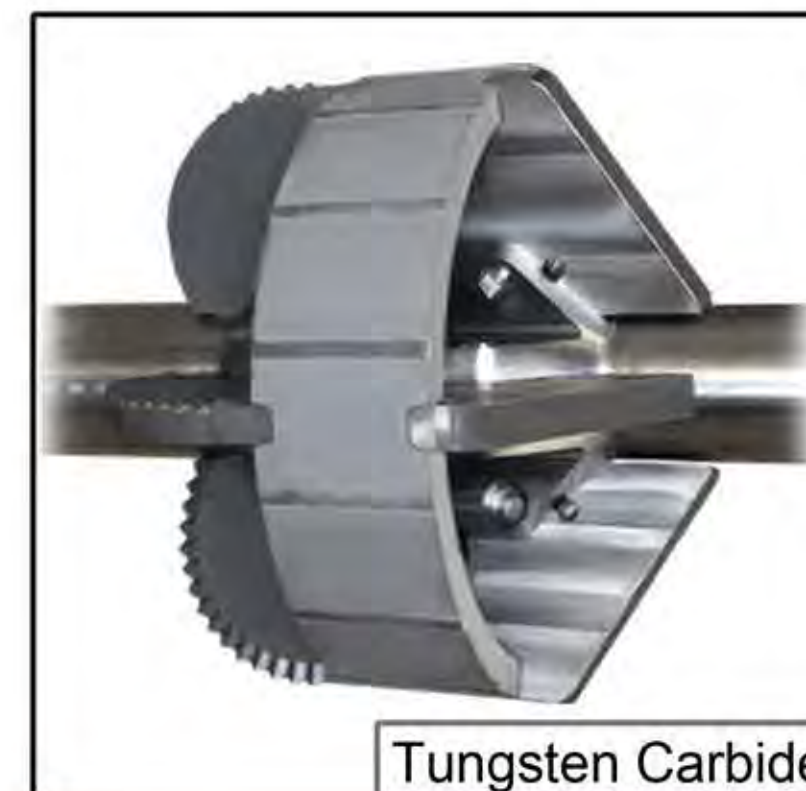
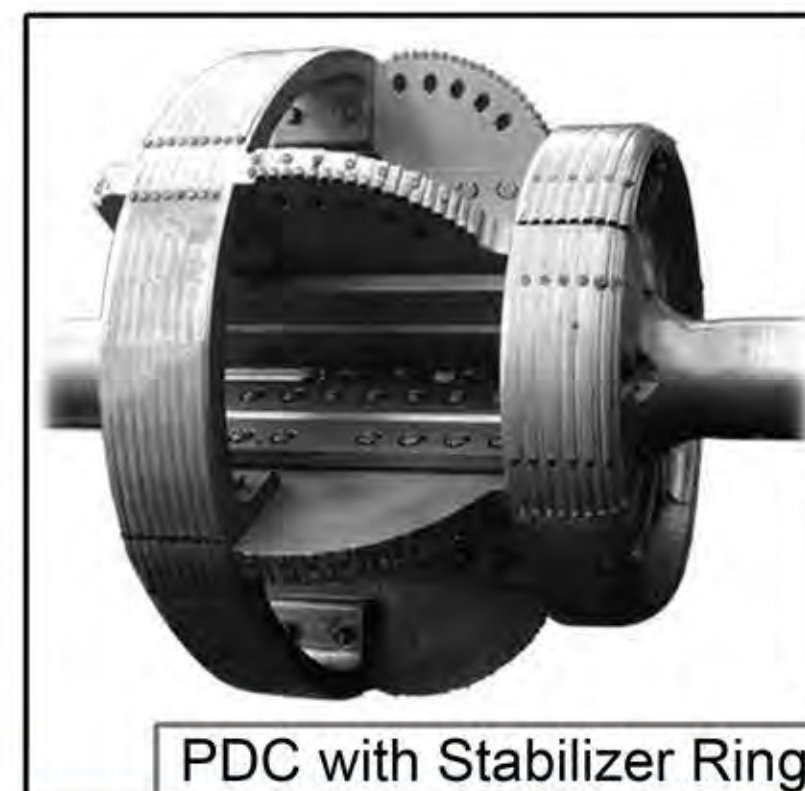
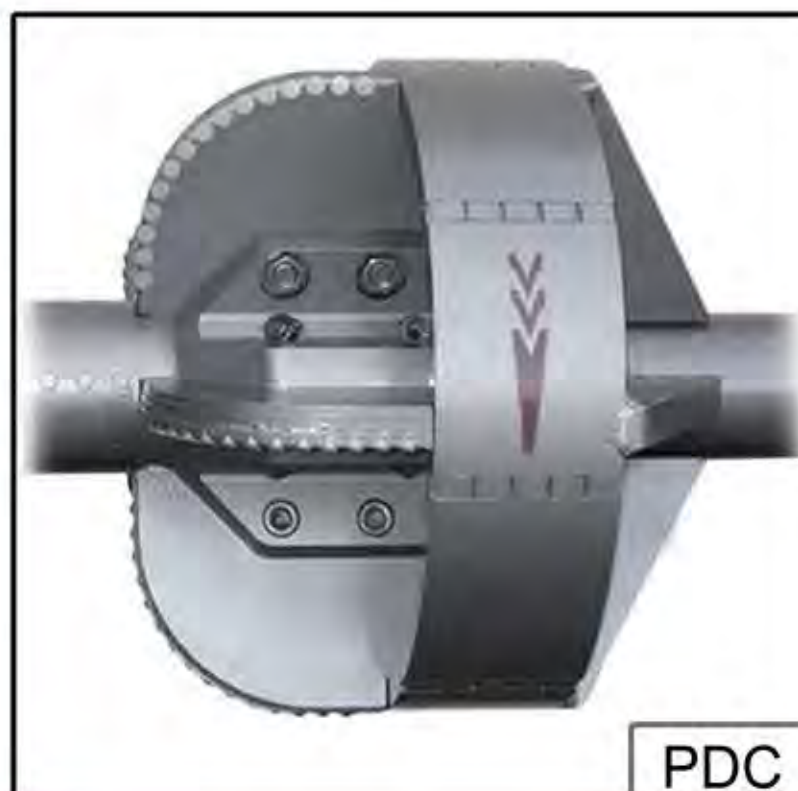


## HOLE OPENERS

### WOMBAT

#### Standard Body Types

Product Code	Item Description
RB1.S4	Wombat Reamer Body 2 3/8" IF D=10"-16"
RB2.S4	Wombat Reamer Body 2 3/8" IF D=16"-22"
RC1.S4	Wombat Reamer Body 2 7/8" IF D=10"-16"
RC2.S4	Wombat Reamer Body 2 7/8" IF D=16"-22"
RD1.S4	Wombat Reamer Body 3 1/2" IF D=12"-24"
RD2.S4	Wombat Reamer Body 3 1/2" IF D=18"-30"
RE1.S4	Wombat Reamer Body 4 1/2" IF D=12"-30"
RE2.S4	Wombat Reamer Body 4 1/2" IF D=16"-36"
RF1.S4	Wombat Reamer Body 6 5/8" FH D=16"-28"
RF2.S4	Wombat Reamer Body 6 5/8" FH D=24"-42"
RF3.S4	Wombat Reamer Body 6 5/8" FH D=36"-60"





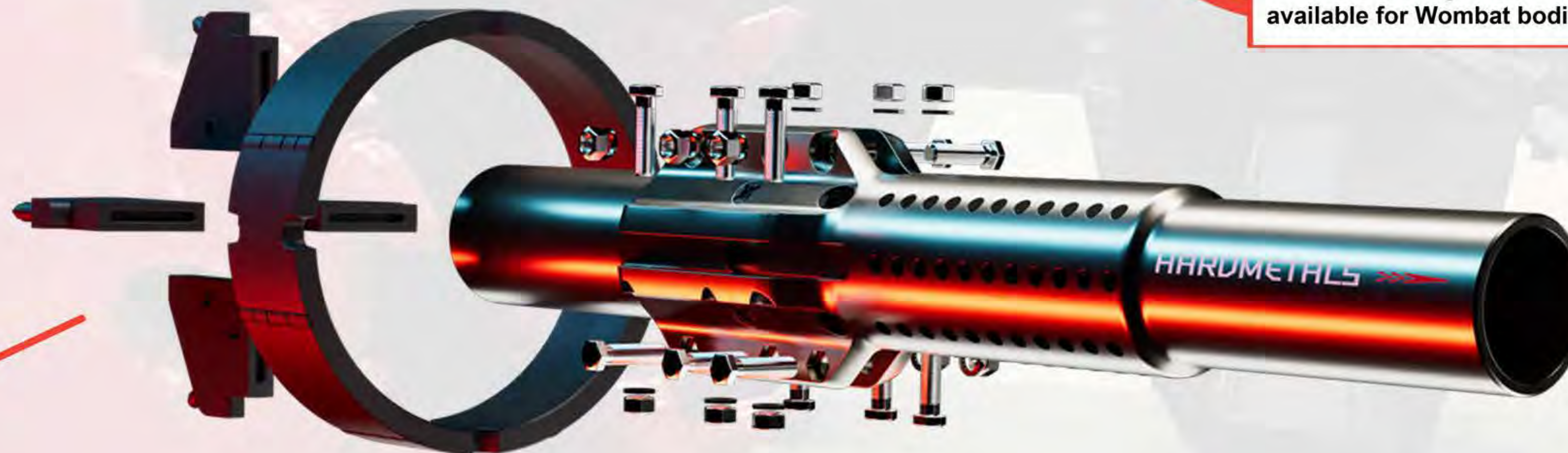
## Wombat Rock Roller Wings

The Wombat features innovative field replaceable cutting wings. This flexibility allows for worn cutters to be changed out and cutting diameter increased without requiring removal from the drill string.

Combined with in-built stabilization and superb down hole performance, the Wombat is a worthy addition to any professional driller's toolbox.



Rock Roller and PDC Wings both available for Wombat bodies!



Patented ring designs improve structural rigidity and simplify the assembly and disassembly process. The ring designs come as solid or segmented to accommodate various cutter wing diameters.

This novel ring design boasts a number of improvements over it's solid counterpart:

- Easier fitment to body, allowing for wing changeouts while on the drill string.
- Improved structural rigidity.
- Increased carry on range with the same body size.



## Wombat Rock Roller Wings



Equipped with IADC 637 roller cones to cope with difficult ground conditions.

Easily replaceable tungsten carbide jets to ensure proper flushing is provided to the roller cones.

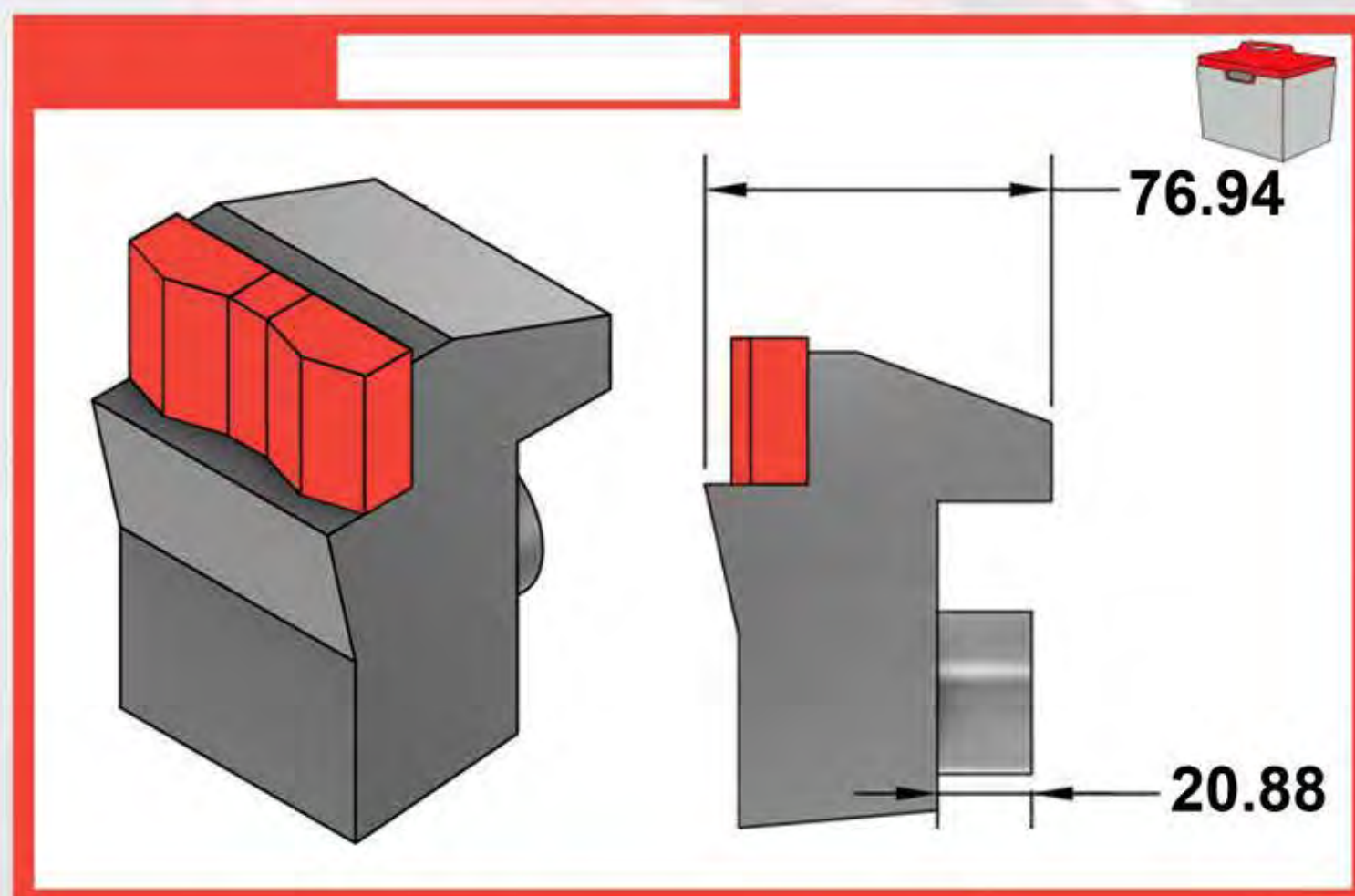
New wing design is interchangeable with existing PDC reamer wings.

Additional gauge protection added with PDC to ensure reduced wear of the shirrtail.

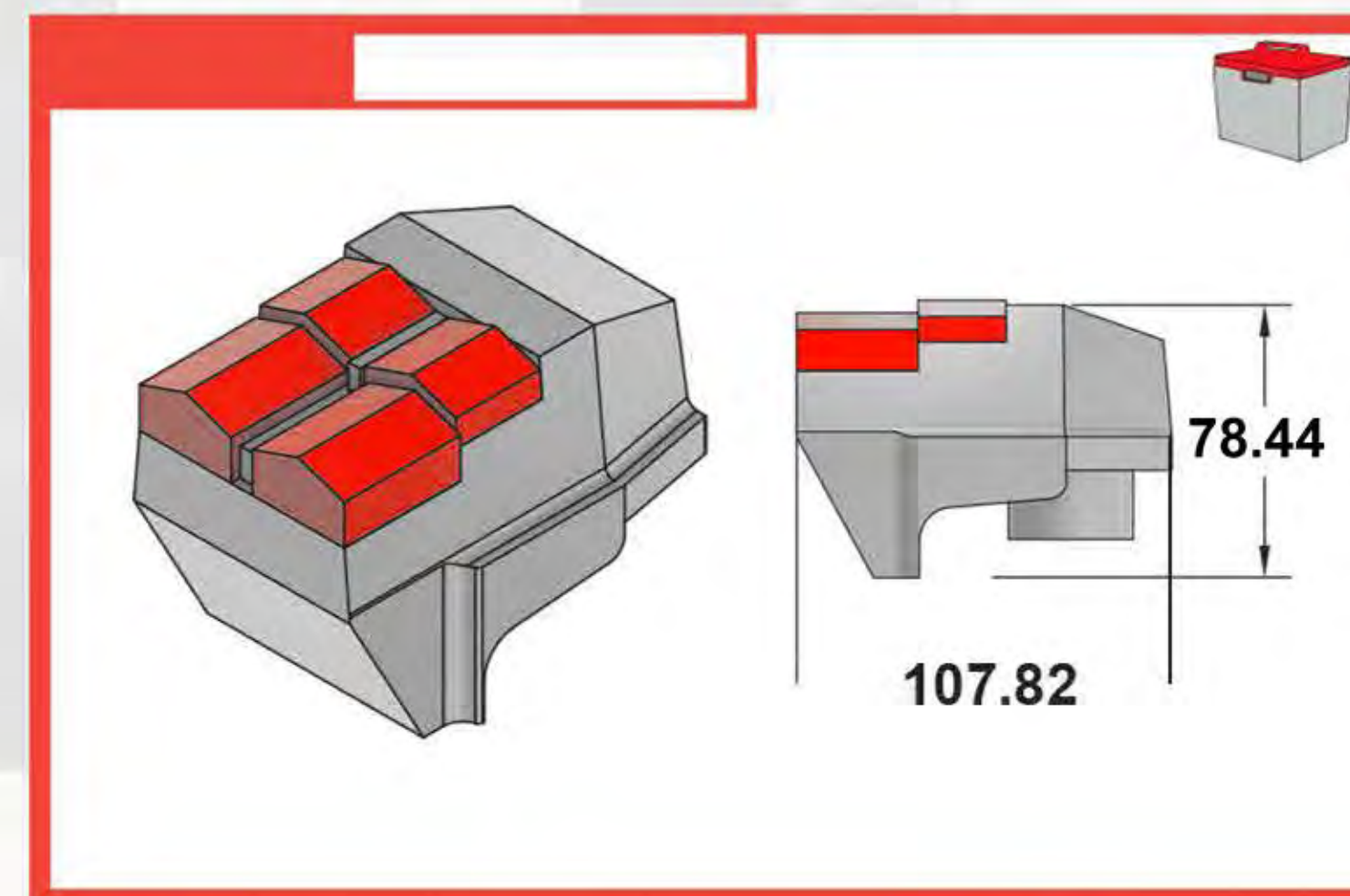


## MULCHING TEETH

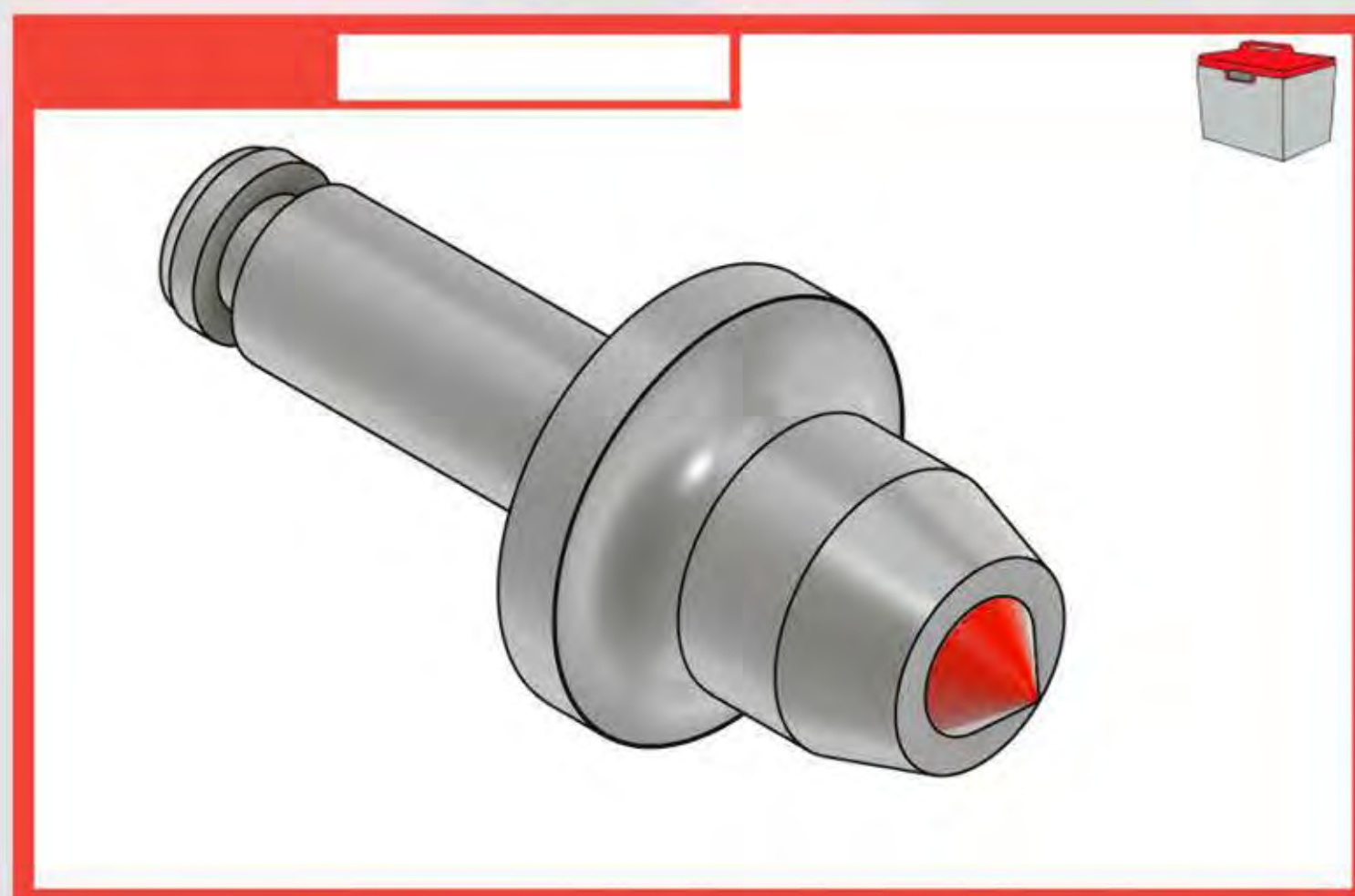
### C Style Single Face



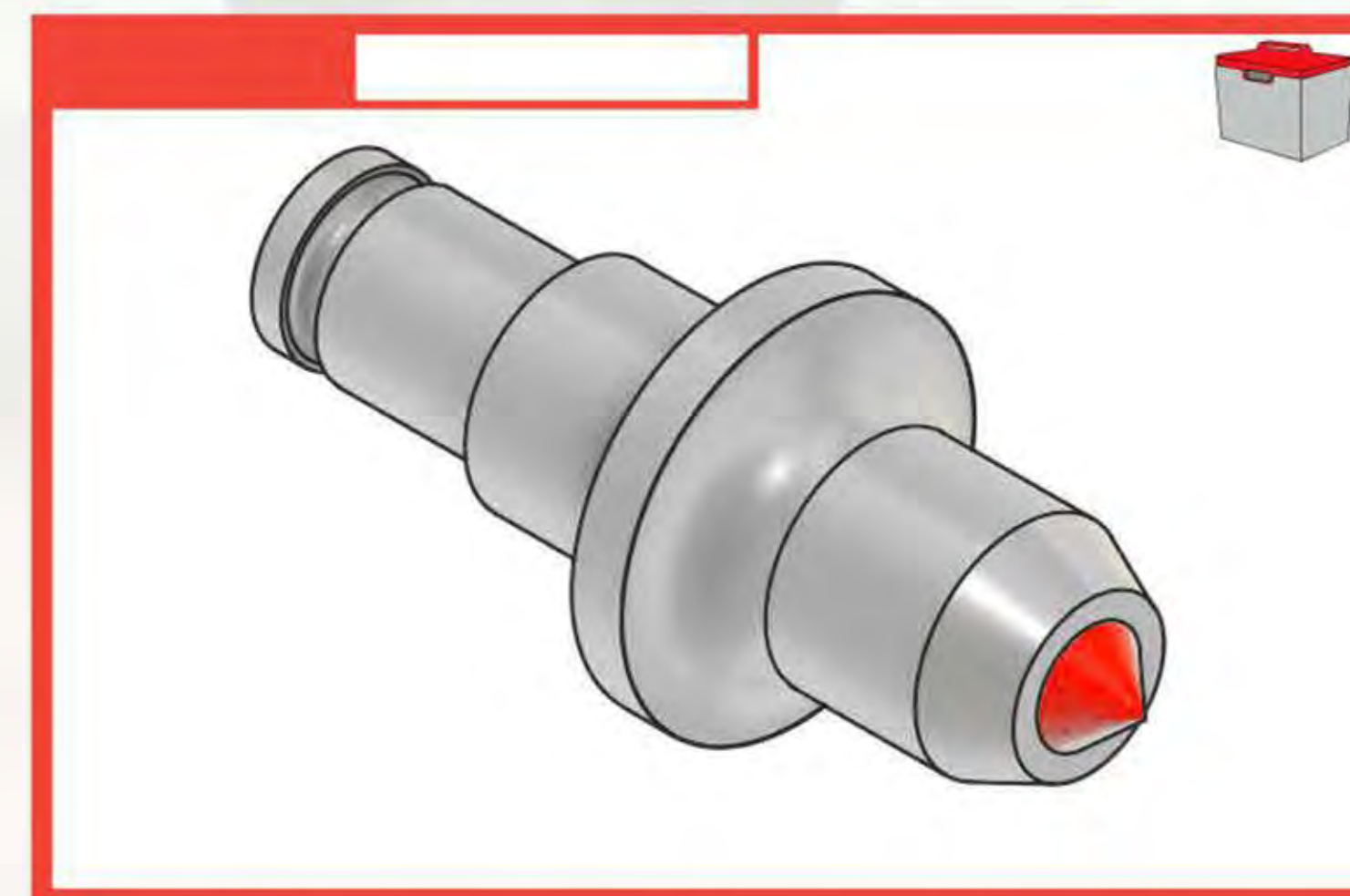
### C Style Double Face



### IRONWOLF 25MM



### IRONWOLF 38/30MM

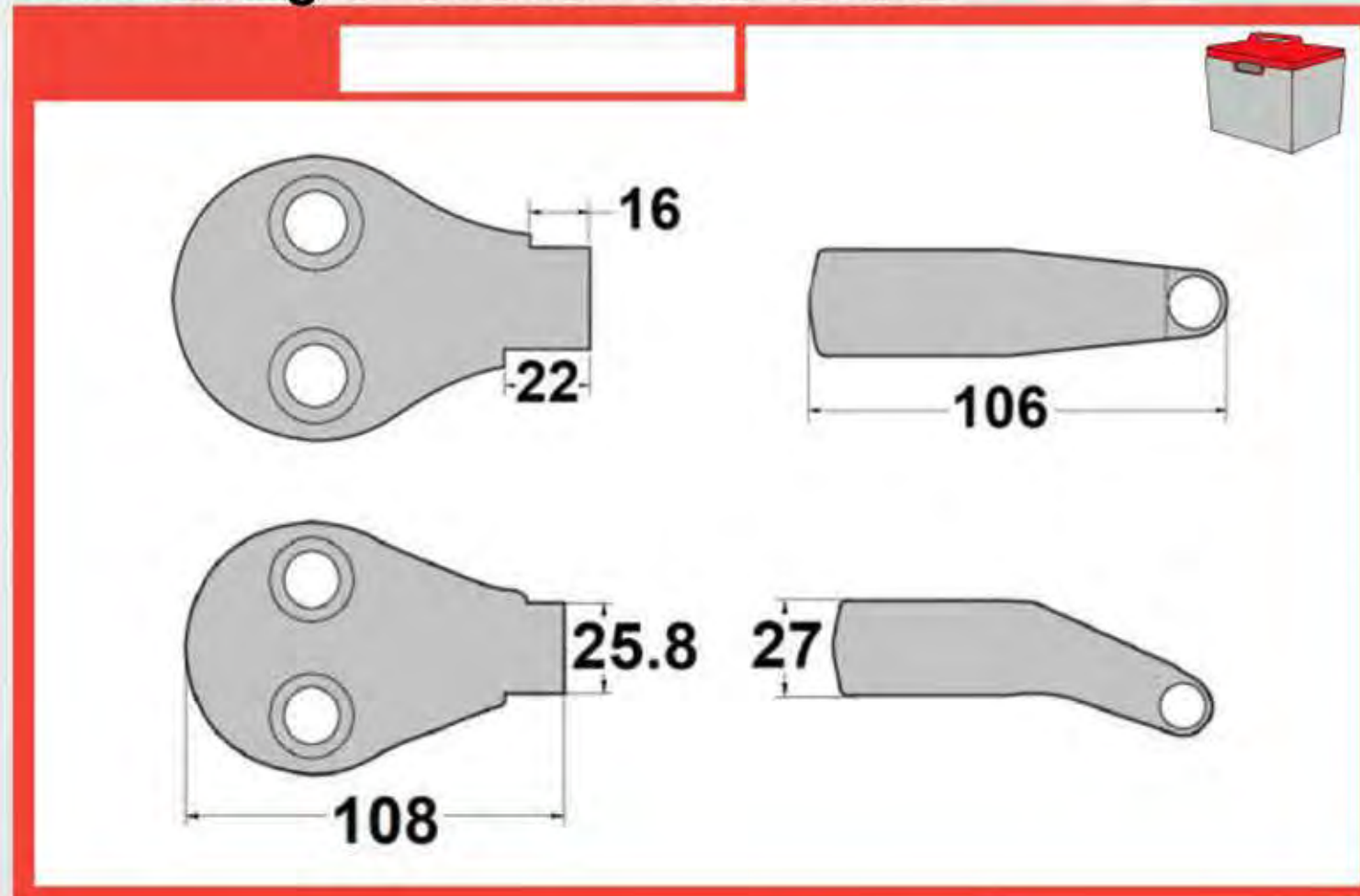




## Forestry

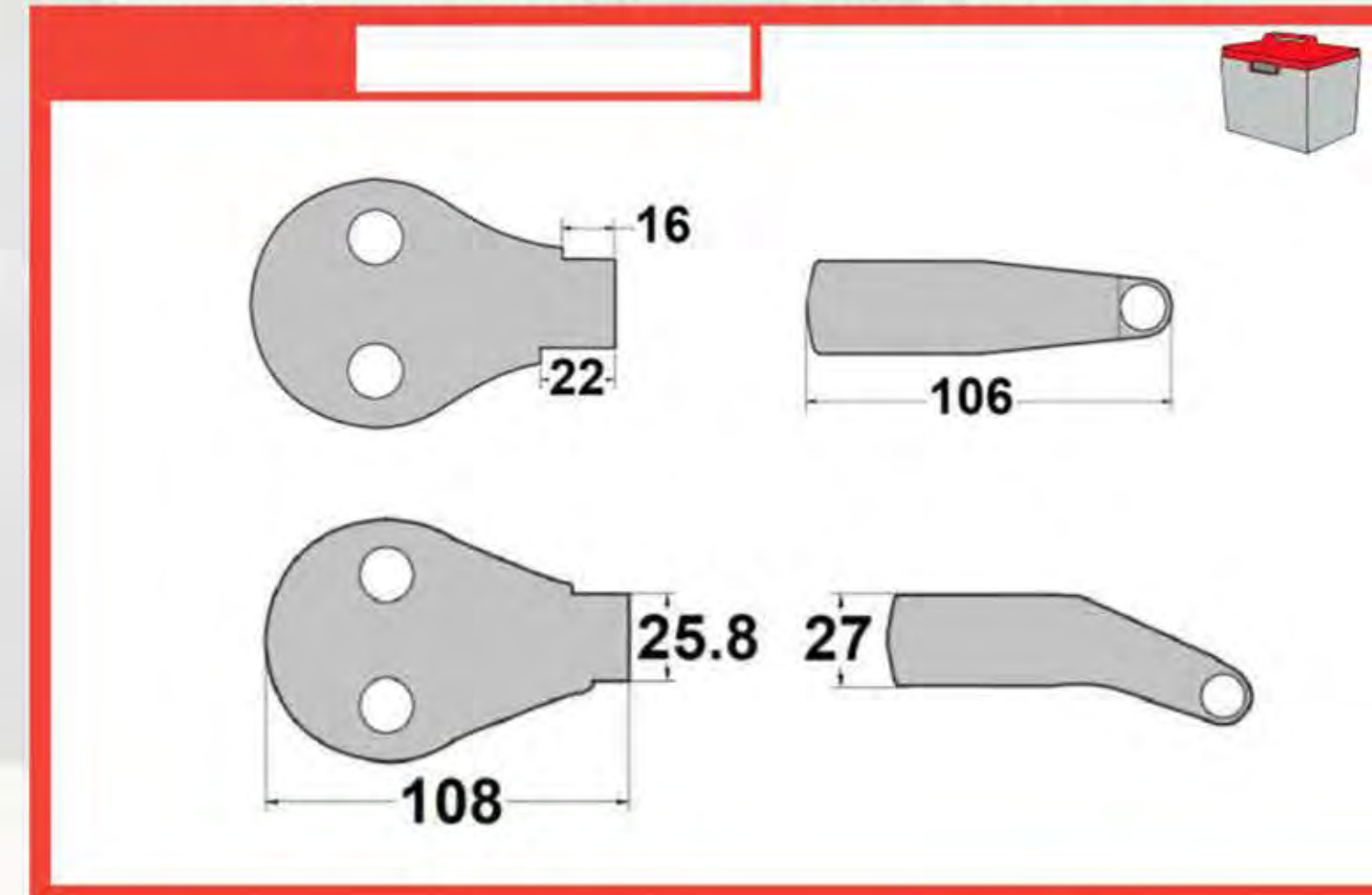
### SG19CS-LR

Bent/Straight - Round-Tooth Holder



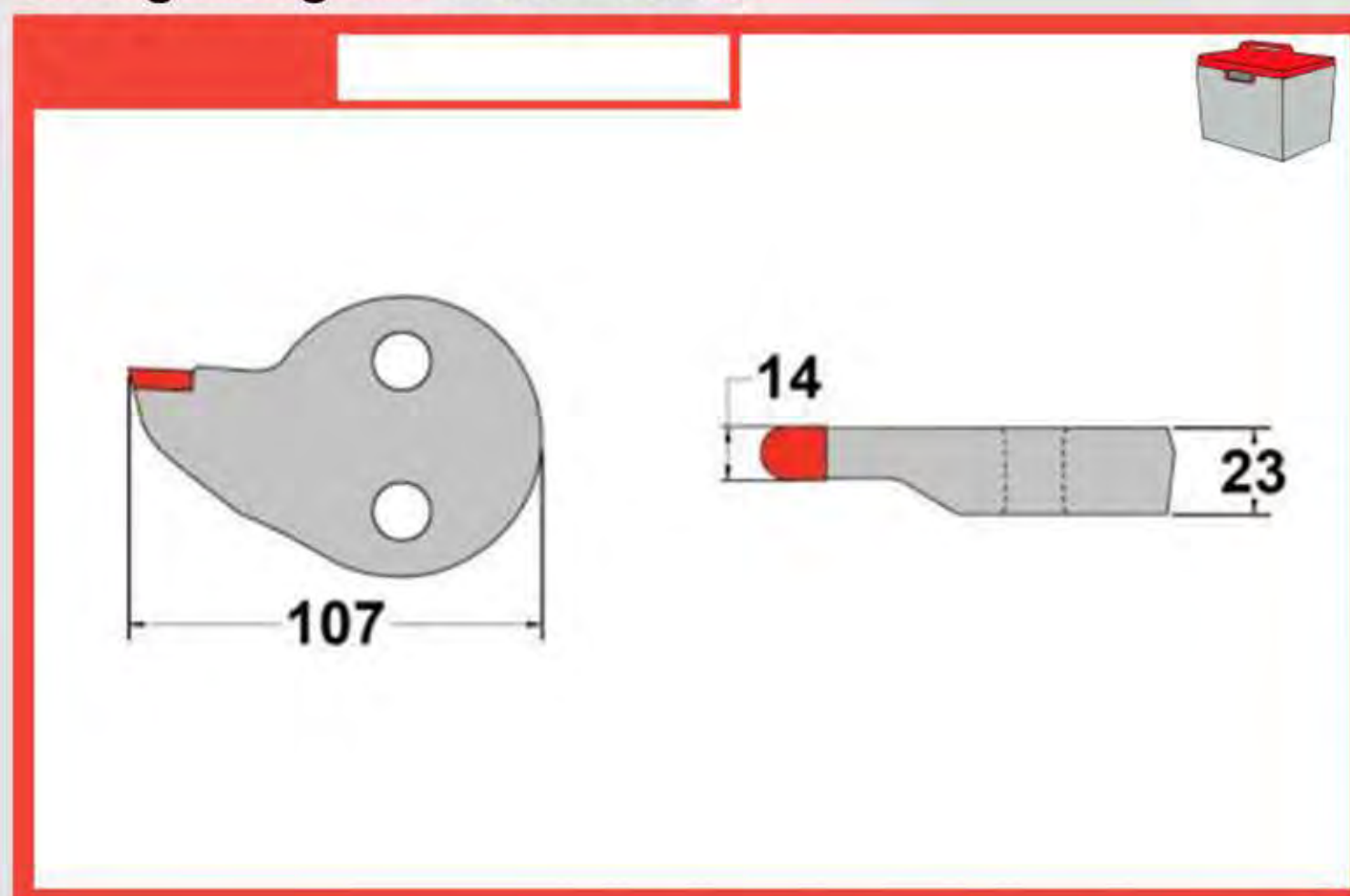
### SG19TH-LR

Bent/Straight - Countersunk Round-Tooth Holder



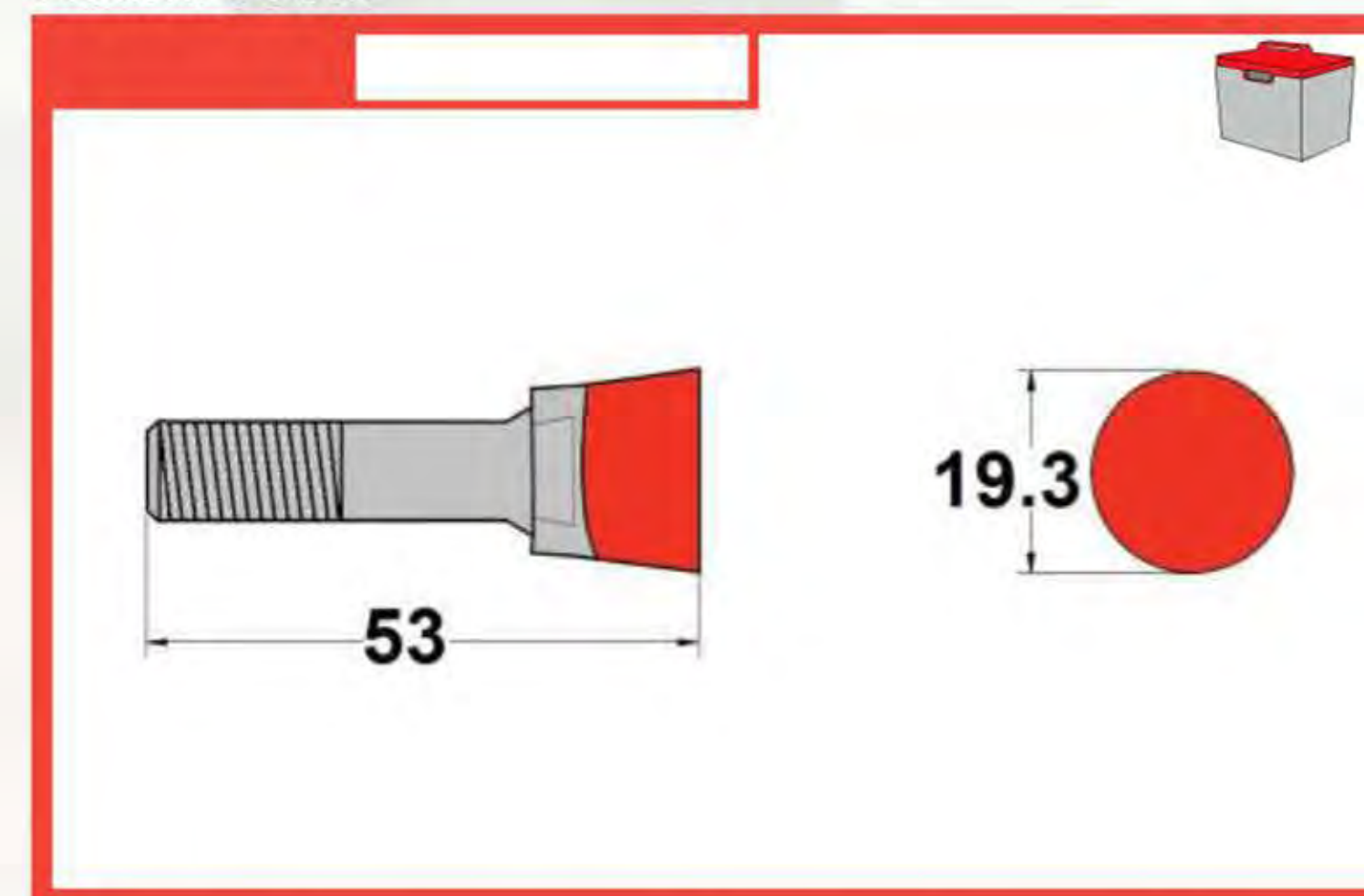
### SG001-SR

Straight Right Grinder Tooth



### SG19X0.375UN

Round Tooth





<i>INCH</i>	<i>DECIMAL</i>	<i>MM</i>
1/16"	0.0625	1.59 mm
1/8"	0.1250	3.18 mm
3/16"	0.1875	4.76 mm
1/4"	0.2500	6.35 mm
5/16"	0.3125	7.94 mm
3/8"	0.3750	9.53 mm
7/16"	0.4375	11.11 mm
1/2"	0.5000	12.70 mm
9/16"	0.5625	14.29 mm

<i>INCH</i>	<i>DECIMAL</i>	<i>MM</i>
5/8"	0.6250	15.88 mm
11/16"	0.6875	17.46 mm
3/4"	0.7500	19.05 mm
13/16"	0.8125	20.64 mm
7/8"	0.8750	22.23 mm
15/16"	0.9375	23.81 mm
1"	1.00	25.40 mm
1 1/4"	1.25	31.75 mm
1 1/2"	1.50	38.10 mm



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