



**GRANIT**  
QUALITY PARTS

ENDURANCE  
**CARBIDE**

# ENDURANCE CARBIDE

AGRICULTURAL TECHNOLOGY  
FORESTRY TECHNOLOGY  
CONSTRUCTION MACHINERY

**MAXIMUM PERFORMANCE  
MADE IN GERMANY**







# GRANIT **ENDURANCE CARBIDE** SHARE POINT PRODUCT BENCHMARK REPORT IN COOPERATION WITH THE STEINBEIS CENTRE FOR MATERIAL AND COMPONENT TESTING

## **WHY COMBINE A STANDARD WEARING PART AND A WELDED-ON HARD METAL PLATE?**

To answer this question, a basic knowledge of tillage wearing part production is required. Choosing the right combination of material and hardness is crucial here. To prove the quality of GRANIT ENDURANCE CARBIDE wearing parts, our tools are constantly examined, tested and compared:

- » Material analysis on the share body
- » Hardness test on the share body
- » Hardness test on the hard metal plates
- » Evaluation of the soldered connection between hard metal plates and share body
- » Validation of laboratory results by means of field tests

## **TEST RESULTS:**

### **Material analysis and hardness testing:**

The choice of material for the body is based on the proportion of wear-reducing alloy components. If a simple carbon steel is chosen, it will always be inferior (even with high hardness) to a steel refined with manganese and boron for example.

### **Tempering/hardness of the body:**

The quality of the tempering process is instrumental in ensuring that the cultivator point has the right degree of flexibility. Soft and flexible tools are subject to higher levels of wear, and are at risk of bending if they come into contact with foreign bodies. Although hard tools undergo less wear, they are also brittle and will sometimes break at the slightest contact with foreign bodies.

In order to achieve an optimum hardness-toughness ratio, the GRANIT ENDURANCE CARBIDE parts have a perfectly hardened body combined with extremely resistant hard metal plates.

### **Results of the laboratory tests:**

A total of seven products from different manufacturers and suppliers were examined.

The material analysis showed that three different materials were used for the body. These were C45 carbon steel, and 30MnB5 and 34MnB5 quenched and tempered steels. The latter two differ mainly in terms of carbon content, and are both very well suited to their intended use for tillage work.

The hardness values of the bodies vary greatly, and range from 515HV1 down to 185HV1. The maximum value is close to the range where brittleness occurs, resulting in an increased risk of breakage. The low values lead to increased and undesirable wear.

The range of hardness values exhibited by the hard metal plates is smaller. However, differences are also apparent here, which lead to different levels of wear. The values range from 1351HV1 down to 1159HV1.

## **CONCLUSION**

When it comes to producing high-quality wearing parts, a balanced relationship between material properties, body hardness and hard metal plate hardness is important. The GRANIT ENDURANCE CARBIDE shares boast the best relationship between these properties. As mentioned above, excessive hardness in the body can lead to breakage in the event of contact with foreign bodies, rather than the resilience desired. This investigation demonstrates the know-how and the development work that GRANIT has done together with our experienced manufacturer to produce the ENDURANCE CARBIDE range.





**MADE IN GERMANY**

 **ENGINEERED  
TO RESIST**

Development and production by mining and road construction specialists in Germany.

#### **THE PRODUCTION PROCESS:**

The hard metal plates are soldered on via a special inductive soldering process. As part of this process, an electrical current is directed into the body and the hard metal plates to be soldered via a specially developed coil. The target temperature is up to 650°C.

Once the hard metal plates have been soldered on, our tool is brought back up to temperature and tempered. The melting points of the body, soldering material and hard metal must be observed in order to create an optimum connection between the materials. This requires years of experience (from the mining industry for example) plus high-quality raw materials, which only a few aftermarket suppliers use today.

This tempering process after the hard metal plates have been soldered on ensures maximum body hardness (min. 46 HRC). Thanks to this complex process, GRANIT ENDURANCE CARBIDE products are superior to virtually all other aftermarket products.

Additional welds (which can have a negative impact on tool geometry) are not required with GRANIT ENDURANCE CARBIDE products as the body has a high level of wear resistance.





### **LOW-WEAR DESIGN**

Areas exposed to wear are specially reinforced to prevent scouring. The solid body ensures long-term dimensional stability and a fixed tool position over long periods of use.



### **TEMPERING AFTER SOLDERING**

Tempering after soldering results in maximum body hardness. This makes our points superior to many competition products.



### **SOPHISTICATED SOLDERING PROCESS**

A durable soldered connection between the hard metal plates and the body ensures a perfect hold, and compensates for impacts from stones without causing damage.



### **HARD METAL**

Additional hard metal plates are firmly embedded in areas of the body exposed to particularly high stresses. The triangular shape of the hard metal plates embedded in the point not only ensures a tight fit, but has also proven to be extremely robust.



### **WEAR PROTECTION FOR BOLT HEADS**

To prevent scouring, the areas around the bolt heads are reinforced.



### **TESTED IN THE FIELD**

The GRANIT ENDURANCE CARBIDE cultivator points were developed for use under the most difficult conditions. To ensure that our points are able to withstand the harshest conditions, our products undergo continuous testing at selected test sites. This is because the quality of tillage tools can only be reliably determined in practice.



# Cultivators

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### ENDURANCE CARBIDE SHARE POINT

To fit Amazone

- » Length (mm): 302
- » Width (mm): 51-81
- » Types: Cenio, Cenius, Ceus

Reference no.: 78708804

**Part no. 179016661**



### ENDURANCE CARBIDE WING SHARE

To fit Amazone

- » Width (mm): 218
- » Thickness (mm): 10
- » Types: Cenius, Ceus

Right

Reference no.: 78708826, 78708679

**Part no. 179016663**

Left

Reference no.: 78708825, 78708678

**Part no. 179016662**



Fig. right

### ENDURANCE CARBIDE DUCK FOOT SHARE

To fit Amazone

- » Length (mm): 242.4
- » Width (mm): 226
- » Types: Cobra

Reference no.: 77000034

**Part no. 19419195**



### ENDURANCE CARBIDE SHARE POINT

To fit Amazone

- » Length (mm): 418
- » Width (mm): 84
- » Types: Cenio, Cenius, Ceus

Reference no.: 78708860

**Part no. 19055114**



### ENDURANCE CARBIDE SHARE POINT

To fit Amazone

- » Length (mm): 241
- » Width (mm): 40
- » Types: Cobra

Reference no.: 77000017

**Part no. 19419704**



### ENDURANCE CARBIDE SHARE POINT

To fit Bednar

- » Length (mm): 334.5
- » Width (mm): 50-80
- » Types: Fenix, Terraland

Reference no.: KM060334, KM060402

**Part no. 179626661**



### ENDURANCE CARBIDE DUCK FOOT SHARE

To fit Bednar

- » Length (mm): 240.5
- » Width (mm): 285
- » Types: Swifter

Reference no.: KM060173

**Part no. 11995785**



### ENDURANCE CARBIDE SHARE POINT

To fit Bednar

- » Length (mm): 176
- » Width (mm): 39
- » Types: Swifter

Reference no.: KM060416

**Part no. 18522556**



### ENDURANCE CARBIDE SHARE POINT

To fit Bednar

- » Length (mm): 269
- » Width (mm): 50-80
- » Types: Fenix, Actros, Terraland

Reference no.: KM060427

**Part no. 12403067**





## ENDURANCE CARBIDE CHISEL SHARE

To fit Bednar

- » Length (mm): 385
- » Width (mm): 40
- » Types: Terraland, TerraStrip

Reference no.: KM060340

**Part no. 19312337**



## ENDURANCE CARBIDE DUCK FOOT SHARE

To fit Boehlerit

- » Width (mm): 223
- » Hole spacing (mm): 45

Reference no.: GF200GSV

**Part no. 35896523**



## ENDURANCE CARBIDE HEAVY-DUTY SHARE POINT

To fit Farmet

- » Working width (mm): 50
- » Length (mm): 305
- » Types: Turbulent, Duolent, Triolent, Fertis, Terrix, Triton

Reference no.: VZ00013778, 4017627, 4015946, 4009627, 4010982

**Part no. 18425778**



## ENDURANCE CARBIDE DUCK FOOT SHARE

To fit Horsch

- » Length (mm): 217
- » Width (mm): 215
- » Hole spacing (mm): 45
- » Types: Cruiser

Reference no.: 00311408

**Part no. 11018037**



## ENDURANCE CARBIDE SHARE POINT

To fit Horsch

- » Length (mm): 300
- » Width (mm): 80
- » Types: Cruiser

Reference no.: 00311514, 00311515

**Part no. 179316615**



## ENDURANCE CARBIDE SHARE POINT

To fit Horsch

- » Length (mm): 298
- » Width (mm): 50
- » Hole spacing (mm): 45
- » Types: Cruiser

Reference no.: 00311565, 00311513

**Part no. 179316612**



## ENDURANCE CARBIDE SHARE POINT

To fit Horsch

- » Length (mm): 276.7
- » Width (mm): 50-80
- » Hole spacing (mm): 57
- » Types: Terrano, Tiger

Reference no.: 00311069, 00311069UB

**Part no. 179316661**



## ENDURANCE CARBIDE SHARE POINT

To fit Horsch

- » Length (mm): 480
- » Width (mm): 40
- » Thickness (mm): 25
- » Hole spacing (mm): 57
- » Types: Terrano, Tiger

Reference no.: 00311349, 00311113

**Part no. 179316611**



## ENDURANCE CARBIDE SHARE POINT

To fit Horsch

- » Length (mm): 370
- » Width (mm): 28
- » Types: Terrano, Tiger, Focus

Reference no.: 00311357

**Part no. 179316613**





## ENDURANCE CARBIDE GUIDEBOARD

To fit Horsch

- » Length (mm): 393
- » Width (mm): 25
- » Types: Terrano, Tiger, Focus

Reference no.: 00311358

**Part no. 179316614**



## ENDURANCE CARBIDE WING SHARE

To fit Horsch

- » Width (mm): 260
- » Thickness (mm): 10
- » Types: Terrano, Tiger

Right

Reference no.: 60033637, 00311275, 34060857

**Part no. 179316663**

Left

Reference no.: 00311274, 34060856

**Part no. 179316662**



Fig. right

## ENDURANCE CARBIDE WING SHARE

To fit Horsch

- » Width (mm): 120
- » Thickness (mm): 10
- » Types: Terrano and Tiger Mulch Mix system

Right

Reference no.: 00311181, 311181

**Part no. 179316667**

Left

Reference no.: 00311180, 311180

**Part no. 179316666**



Fig. right

## ENDURANCE CARBIDE SHARE POINT

To fit Horsch

- » Length (mm): 259
- » Width (mm): 80
- » Types: Tiger

Reference no.: 60041552

**Part no. 18522727**



## ENDURANCE CARBIDE SHARE POINT

To fit Horsch

- » Length (mm): 255
- » Width (mm): 80
- » Types: Terrano, Tiger

Reference no.: 00311069

**Part no. 19248164**



## ENDURANCE CARBIDE SHARE POINT

To fit Horsch

- » Length (mm): 270
- » Width (mm): 93
- » Hole spacing (mm): 53
- » Types: Terrano, Tiger

Reference no.: 00311069, 00311069UB

**Part no. 19129796**



## ENDURANCE CARBIDE SHARE POINT

To fit Kerner

- » Length (mm): 223
- » Width (mm): 80
- » Types: Corona, Galaxis, Komet, Ventos, X4

Reference no.: 008352

**Part no. 179596661**



## ENDURANCE CARBIDE CHISEL SHARE

To fit Köckerling

- » Length (mm): 424
- » Width (mm): 40
- » Hole spacing (mm): 115
- » Types: Trio, Quadro, Vector

Reference no.: 915774

**Part no. 19651762**



## ENDURANCE CARBIDE SHARE POINT

To fit Köckerling

- » Length (mm): 276
- » Width (mm): 53/66
- » Hole spacing (mm): 66
- » Types: Vario

Reference no.: 936464, 919430

**Part no. 179506668**





## ENDURANCE CARBIDE DUCK FOOT SHARE

To fit Köckerling

- » Width (mm): 227
- » Hole spacing (mm): 72
- » Types: Vario

Reference no.: 937658

**Part no. 11012420**



## ENDURANCE CARBIDE DUCK FOOT SHARE

To fit Köckerling

- » Length (mm): 224.3
- » Width (mm): 228
- » Hole spacing (mm): 45
- » Types: Allrounder

Reference no.: 936742

**Part no. 11012622**



## ENDURANCE CARBIDE SHARE POINT

To fit Köckerling

- » Length (mm): 344.2
- » Width (mm): 50- 81.5
- » Hole spacing (mm): 113
- » Types: Trio, Quadro, Vector

Reference no.: 915776

**Part no. 179506661**



## ENDURANCE CARBIDE SHARE POINT

To fit Köckerling

- » Length (mm): 255
- » Width (mm): 35-56
- » Hole spacing (mm): 46
- » Types: Allrounder

Reference no.: 915772

**Part no. 179506662**



## ENDURANCE CARBIDE WING SHARE

To fit Köckerling

- » Length (mm):
- » Width (mm): 256.5
- » Thickness (mm): 10
- » Types: Trio, Quadro, Vector

Right

Reference no.: 932214

**Part no. 179506666**

Left

Reference no.: 932216

**Part no. 179506665**



Fig. right

## ENDURANCE CARBIDE ROLLER PLATE

To fit Köckerling

- » Length (mm): 260
- » Width (mm): 100
- » Thickness (mm): 8
- » Types: Trio, Quadro, Vector

Reference no.: 903474

**Part no. 179506669**



Coated

## ENDURANCE CARBIDE SHARE POINT

To fit Kongskilde

- » Length (mm): 220
- » Width (mm): 120

Reference no.: 71209026470

**Part no. 179176667**



## ENDURANCE CARBIDE SHARE POINT

To fit Kuhn

- » Length (mm): 276.3
- » Width (mm): 50
- » Hole spacing (mm): 45
- » Types: Cultimer, CultiML, Espro, Performer

Reference no.: H2225650, H2237810, H2212540

**Part no. 179286661**



## ENDURANCE CARBIDE WING SHARE

To fit Kuhn

- » Width (mm): 242.5
- » Thickness (mm): 12
- » Types: Cultimer, Performer

Right

Reference no.: H2218181

**Part no. 179286665**

Left

Reference no.: H2218191

**Part no. 179286664**



Fig. right



### ENDURANCE CARBIDE SHARE POINT

To fit Kuhn

- » Length (mm): 245.5
  - » Width (mm): 38
  - » Types: Prolander
- KU3  
Reference no.: H2251900  
**Part no. 11559968**



### ENDURANCE CARBIDE SHARE POINT

To fit Kuhn

- » Length (mm): 295
  - » Types: Cultimer, Performer
- Reference no.: H2251170  
**Part no. 11560649**



### ENDURANCE CARBIDE DUCK FOOT SHARE

To fit Kuhn

- » Length (mm): 210
  - » Width (mm): 202
  - » Types: Prolander
- Reference no.: H2253440  
**Part no. 12367839**



### ENDURANCE CARBIDE SHARE POINT

To fit Lemken

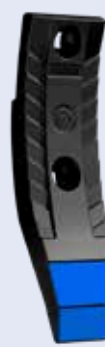
- » Length (mm): 273.4
  - » Width (mm): 80
  - » Types: Karat
- Reference no.: 33710031, 33710008  
**Part no. 179176663**



### ENDURANCE CARBIDE SHARE POINT

To fit Lemken

- » Length (mm): 303
  - » Width (mm): 80
  - » Types: Karat
- Reference no.: 310031, 33710008, 3374442  
**Part no. 11017747**



### ENDURANCE CARBIDE SHARE POINT

To fit Lemken

- » Length (mm): 220
  - » Width (mm): 120
  - » Types: Smaragd, Topas
- Reference no.: 3374387, 3374391, 3374392  
**Part no. 179176667**



### ENDURANCE CARBIDE WING SHARE

To fit Lemken

- » Width (mm): 287.7
- » Thickness (mm): 12
- » Types: Karat 9

Right  
Reference no.: 33710018  
**Part no. 179176665**

Left  
Reference no.: 33710019  
**Part no. 179176664**



Fig. right

### ENDURANCE CARBIDE DUCK FOOT SHARE

To fit Lemken

- » Width (mm): 257
  - » Types: Kompaktor
- Reference no.: 3374356  
**Part no. 12054131**



### ENDURANCE CARBIDE DUCK FOOT SHARE

To fit Maschio

- » Width (mm): 285
  - » Types: Sandokan
- Reference no.: F20120154  
**Part no. 11995785**





## ENDURANCE CARBIDE SHARE POINT

To fit Pöttinger

- » Length (mm): 277.7
  - » Width (mm): 50 - 81
  - » Hole spacing (mm): 45
  - » Types: Terria, Synkro
- Reference no.: 00+9791.50.031.1,  
00+9791.50.031.2, 00+9791.50.031.0

**Part no. 179546661**



## ENDURANCE CARBIDE WING SHARE

To fit Pöttinger

- » Length (mm): 286
  - » Width (mm): 100
  - » Thickness (mm): 12
  - » Types: Terria
- Right  
Reference no.: 9104.50.024.0  
**Part no. 179546663**

- Left  
Reference no.: 9104.50.023.0  
**Part no. 179546662**

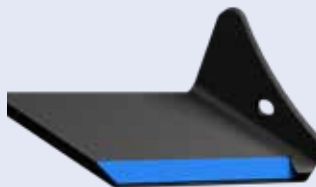


Fig. right

## ENDURANCE CARBIDE DUCK FOOT SHARE

To fit Saphir

- » Working width (mm): 200
  - » Hole spacing (mm): 45
  - » Types: Allstar Profi, Allstar Longline
- Part no. 11481067**



## ENDURANCE CARBIDE SHARE POINT

To fit Väderstad

- » Length (mm): 283
  - » Width (mm): 80
  - » Hole spacing (mm): 29
  - » Types: Cultus, TopDown, Opus
- Reference no.: 208117, 240180

**Part no. 12335251**



## ENDURANCE CARBIDE SHARE POINT

To fit Väderstad

- » Length (mm): 248
  - » Width (mm): 53
  - » Hole spacing (mm): 30
  - » Types: TopDown, Opus, Swift, Cultus
- Reference no.: 498382

**Part no. 12333009**



## ENDURANCE CARBIDE SHARE POINT

To fit Väderstad

- » Length (mm): 270
  - » Width (mm): 51-81
  - » Hole spacing (mm): 30
  - » Types: TopDown, Cultus
- Reference no.: 205006

**Part no. 179076661**



## ENDURANCE CARBIDE WING SHARE

To fit Väderstad

- » Width (mm): 216
- » Thickness (mm): 10
- » Types: TopDown, Cultus, Opus

Right

Reference no.: 475000, 475311  
**Part no. 179076663**

Left

Reference no.: 475001, 475311  
**Part no. 179076662**



Fig. right

## ENDURANCE CARBIDE SHARE POINT

To fit Väderstad

- » Length (mm): 171
  - » Width (mm): 27
  - » Types: Rapid, Carrier, Spirit, NZ Extreme
- Reference no.: 207053

**Part no. 11417290**







## Cultivators



## Rotary harrows



### **ENDURANCE CARBIDE SUBSOILER SHARE**

To fit Bednar

- » Working width (mm): 70
- » Length (mm): 437
- » Types: Terraland

Reference no.: KM060410

**Part no. 12294902**



### **ENDURANCE CARBIDE SUBSOILER SHARE**

To fit Bednar

- » Working width (mm): 70
- » Length (mm): 437
- » Types: Terrastrap

Reference no.: KM060411

**Part no. 12295300**





## ENDURANCE CARBIDE ROTARY HARROW TINE

To fit Horsch

- » Length (mm): 313
- » Width (mm): 120
- » Hole Ø (mm): 20
- » Types: HR 300, 304, 350, 400, 404, 450, 500, 600

Right

Reference no.: 384096

**Part no. 11936643**

Left

Reference no.: 384095

**Part no. 11399198**



Fig. right

## ENDURANCE CARBIDE ROTARY HARROW TINE

To fit Kuhn

- » Length (mm): 313
- » Width (mm): 120
- » Hole Ø (mm): 20
- » Types: HR 300 / 304 / 350 / 400 / 404 / 450 / 500 / 600

Right

Reference no.: K2518450

**Part no. 11973909**

Left

Reference no.: K2518460

**Part no. 11936638**



Fig. right

## ENDURANCE CARBIDE ROTARY HARROW TINE

To fit Kverneland

- » Length (mm): 312
- » Hole Ø (mm): 20
- » Thickness (mm): 16
- » Types: H series

Right

Reference no.: A156184086

**Part no. 35897807**

Left

Reference no.: A156183986

**Part no. 19621164**



Fig. right

## ENDURANCE CARBIDE ROTARY HARROW TINE

To fit Maschio

- » Length (mm): 278
- » Width (mm): 91
- » Hole Ø (mm): 17
- » Types: DL, DC, Bravo

Right

Reference no.: M27100210R

**Part no. 18449035**

Left

Reference no.: M27100209R

**Part no. 19642861**



Fig. right







## **ENDURANCE CARBIDE REVERSIBLE POINT SHARE**

To fit Gregoire Besson

- » Length (mm): 598
- » Width (mm): 145

Right

Reference no.: 173614

**Part no. 11012650**

Left

Reference no.: 173611

**Part no. 11013302**



Fig. right

## **ENDURANCE CARBIDE SHARE POINT**

To fit Kuhn

- » Length (mm): 225.5
- » Width (mm): 93.3

Right

Reference no.: 622164

**Part no. 179286667**

Left

Reference no.: 622165, 622129

**Part no. 179286666**



Fig. right

## **ENDURANCE CARBIDE REVERSIBLE POINT SHARE**

To fit Kuhn

- » Length (mm): 657
- » Width (mm): 145
- » Thickness (mm): 14

Right 16"

Reference no.: 622136

**Part no. 11017174**

Left 16"

Reference no.: 622137

**Part no. 11013301**



Fig. right



### ENDURANCE CARBIDE SKIMMER SHARE

To fit Kuhn

- » Length (mm): 288
- » Width (mm): 110
- » Thickness (mm): 12

Right

Reference no.: 631108

**Part no. 179286610**

Left

Reference no.: 631109

**Part no. 179286611**



Fig. right

### ENDURANCE CARBIDE SKIMMER SHARE

To fit Kuhn

- » Length (mm): 274
- » Width (mm): 110
- » Thickness (mm): 12

Right

Reference no.: 631100

**Part no. 179286613**

Left

Reference no.: 631100

**Part no. 179286612**



Fig. right

### ENDURANCE CARBIDE LANDSIDE

To fit Kuhn

- » Length (mm): 548
- » Width (mm): 111
- » Thickness (mm): 15.2

Reference no.: 761108

**Part no. 179286668**



### ENDURANCE CARBIDE LANDSIDE

To fit Kuhn

- » Length (mm): 548
- » Width (mm): 131
- » Thickness (mm): 18

Wide

Reference no.: 279140

**Part no. 179286669**



### ENDURANCE CARBIDE REVERSIBLE POINT SHARE

To fit Kverneland

- » Length (mm): 568
- » Width (mm): 145

Right

Reference no.: 07300486, 073004, KK073004

**Part no. 11017367**

Left

Reference no.: 07300486, 073005, KK073005

**Part no. 11017679**



Fig. right

### ENDURANCE CARBIDE SHARE POINT

To fit Kverneland

- » Length (mm): 221
- » Width (mm): 87

Right

Reference no.: 053090B, KK053090B, 053090R, KK053090R, 053090, KK053090

**Part no. 12135671**

Left

Reference no.: 063090B, KK063090B, 063090R, KK063090R, 063090, KK063090

**Part no. 12136924**



Fig. right

### ENDURANCE CARBIDE SHARE POINT

To fit Lemken

- » Length (mm): 336
- » Width (mm): 99

Right

Reference no.: 3364250

**Part no. 179176610**

Left

Reference no.: 3364251

**Part no. 179176669**



Fig. right

### ENDURANCE CARBIDE LANDSIDE

To fit Lemken

- » Length (mm): 420
- » Width (mm): 121
- » Thickness (mm): 15-16

Reference no.: 3411504

**Part no. 11049636**





# Scrapers

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### ENDURANCE CARBIDE SCRAPER

To fit Amazone

- » Dimensions (mm): 117 x 90 x 4
- » Types: PW

Reference no.: 6081200 , 6083200

**Part no. 19191003**



### ENDURANCE CARBIDE SCRAPER

To fit Bednar

- » Length (mm): 80
- » Types: Omega

Reference no.: 01290453

**Part no. 179626663**



With hard metal plates

### ENDURANCE CARBIDE SCRAPER

To fit Horsch

- » Dimensions (mm): 116 x 52 x 34.5
- » Types: Fokus, Pronto, Express

Reference no.: 23044200

**Part no. 179316664**



### ENDURANCE CARBIDE SCRAPER

To fit Horsch

- » Dimensions (mm): 103 x 82.5
- » Length (mm): 103
- » Types: Fokus, Pronto, Express

Reference no.: 23246300

**Part no. 179316665**



### ENDURANCE CARBIDE SCRAPER

To fit Horsch

- » Types: Maestro
- Right

Reference no.: 24147502

**Part no. 179316669**

Left

Reference no.: 24147501

**Part no. 179316668**



Fig. right

### ENDURANCE CARBIDE SCRAPER

To fit Horsch

- » Length (mm): 143
- » Types: Terrano, Tiger, Joker, Pronto

Reference no.: 34937200

**Part no. 19608577**



### ENDURANCE CARBIDE SCRAPER

To fit Kuhn

- » Length (mm): 80
- » Types: Espro, Maxima 2, BDSR, Planter 3, Prema, Sitera, Venta

Reference no.: K3024120

**Part no. 179286663**



### ENDURANCE CARBIDE SCRAPER

To fit Kuhn

- » Length (mm): 140
- » Width (mm): 75
- » Thickness (mm): 4

Reference no.: 52532130 , 52532120

**Part no. 19403255**



### ENDURANCE CARBIDE SCRAPER

To fit Lemken

- » Dimensions (mm): 90 x 94 x 5
- » Types: Solitair

Reference no.: 3492004

**Part no. 179176666**



### ENDURANCE CARBIDE SCRAPER

To fit Lemken

- » Dimensions (mm): 60 x 94 x 5
- » Types: Rubin

Reference no.: 3492004

**Part no. 179176668**





# Harrow tines

 ENGINEERED  
TO RESIST

## Straw harrow tines





## ENDURANCE CARBIDE

### HARROW TINE

To fit Einböck

» Thickness (mm): 7

» Types: Aerostar / Grass-Manager, Aerostar Rotation

Reference no.: 15002, 15-002

**Part no. 12219713**



## ENDURANCE CARBIDE

### HARROW TINE

To fit Einböck

» Thickness (mm): 8

» Types: Aerostar / Grass-Manager, Aerostar Exact

Reference no.: 15099, 15-099

**Part no. 12220126**



## ENDURANCE CARBIDE

### HARROW TINE

To fit Hatzenbichler

» Thickness (mm): 7

Reference no.: 9312

**Part no. 12135918**



## ENDURANCE CARBIDE

### HARROW TINE

To fit Treffler

» Thickness (mm): 8

Right

Reference no.: 8124604

**Part no. 18523737**

Left

Reference no.: 8124603

**Part no. 12406483**



Fig. right

## ENDURANCE CARBIDE

### HARROW TINE

To fit Treffler

» Thickness (mm): 8

Right

Reference no.: 8123729

**Part no. 12539985**

Left

Reference no.: 8123730

**Part no. 19248575**



Fig. right

## ENDURANCE CARBIDE

### STRAW HARROW TINE

To fit Väderstad

» Thickness (mm): 12

» Types: Rapid, Spirit

Reference no.: 298476

**Part no. 18524830**



## ENDURANCE CARBIDE

### STRAW HARROW TINE

To fit Väderstad

» Thickness (mm): 12

» Types: Rapid, Spirit

Reference no.: 298477

**Part no. 18521644**



## ENDURANCE CARBIDE

### STRAW HARROW TINE

To fit Saphir

» Thickness (mm): 16

» Types: Clean Star

Reference no.: 35905315

**Part no. 18010.ST-ST-4-HM**





# Tilling hooks

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 ENGINEERED  
TO RESIST





## ENDURANCE CARBIDE TILLING HOOK

To fit AVR / Struik

- » Length (mm): 273
- » Width (mm): 50
- » Thickness (mm): 12
- » Hole spacing (mm): 80

Reference no.: 350401

Part no. 11097335



## ENDURANCE CARBIDE TILLING HOOK

To fit AVR / Struik

- » Length (mm): 253.5
- » Width (mm): 40
- » Thickness (mm): 10.5
- » Hole spacing (mm): 80

Reference no.: RS18197, NR-018197

Part no. 179326662



## ENDURANCE CARBIDE TILLING HOOK

To fit AVR / Struik

- » Length (mm): 211
- » Width (mm): 40
- » Thickness (mm): 10
- » Hole spacing (mm): 80

Reference no.: NR-350415

Part no. 179326663



## ENDURANCE CARBIDE TILLING HOOK

To fit AVR / Struik

- » Length (mm): 334
- » Width (mm): 40
- » Thickness (mm): 10
- » Hole spacing (mm): 80

Reference no.: NR-001874

Part no. 18524261



## ENDURANCE CARBIDE TILLING HOOK

To fit Baselier

- » Length (mm): 362
- » Width (mm): 36
- » Thickness (mm): 10.5
- » Hole spacing (mm): 80

Reference no.: FK090041

Part no. 179326664



## ENDURANCE CARBIDE TILLING HOOK

To fit Baselier

- » Length (mm): 235
- » Width (mm): 36
- » Thickness (mm): 10.7
- » Hole spacing (mm): 80

Reference no.: FF01915

Part no. 179326665



## ENDURANCE CARBIDE TILLING HOOK

To fit Baselier

- » Length (mm): 380
- » Width (mm): 50
- » Thickness (mm): 12
- » Hole spacing (mm): 100

Reference no.: FKS90001

Part no. 179326666



## ENDURANCE CARBIDE TILLING HOOK

To fit Baselier

- » Length (mm): 294
- » Width (mm): 50
- » Thickness (mm): 12.7
- » Hole spacing (mm): 100

Reference no.: FKS12005

Part no. 179326667



## ENDURANCE CARBIDE TILLING HOOK

To fit Baselier

- » Length (mm): 275
- » Width (mm): 60
- » Thickness (mm): 20
- » Hole spacing (mm): 80

Part no. 18525003





# Forestry mulchers



ENGINEERED  
TO RESIST





### ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 59.3
- » Width (mm): 31
- » Height (mm): 40

Part no. 32272046



### ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 60
- » Width (mm): 38
- » Height (mm): 50

Part no. 12343047



### ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 58.5
- » Width (mm): 31
- » Height (mm): 51

Part no. 12307079



### ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 42
- » Width (mm): 23
- » Height (mm): 40

Part no. 179726666



### ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 67.8
- » Width (mm): 25.2
- » Height (mm): 33.2

Part no. 179726667



### ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 64
- » Width (mm): 25
- » Height (mm): 33

Part no. 32272004



### ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 67.8
- » Width (mm): 25.2
- » Height (mm): 33.2

Part no. 179726668



### ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 64.1
- » Width (mm): 23
- » Height (mm): 55.8

Part no. 179726669



### ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 43.8
- » Width (mm): 13.5
- » Height (mm): 46

Part no. 179726670



### ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 26
- » Width (mm): 13.5
- » Height (mm): 32.5

Part no. 179726671



### ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 37.8
- » Width (mm): 22.3
- » Height (mm): 45

Part no. 179726672



### ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 71
- » Width (mm): 25.2
- » Height (mm): 24.5

Part no. 12347409





## ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 20
- » Ø (mm): 20
- » Height (mm): 31.4

Part no. 179726673



## ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 25
- » Width (mm): 25
- » Height (mm): 49.4

Part no. 12347410



## ENDURANCE CARBIDE WELD-ON TOOTH

Universal

- » Length (mm): 32
- » Width (mm): 32
- » Height (mm): 63.9

Part no. 12216702



## ENDURANCE CARBIDE HAMMER

To fit Aardenburg

- » Working width (mm): 53
- » Height approx. (mm): 70

Part no. 19343688



## ENDURANCE CARBIDE HAMMER

To fit Aardenburg

- » Working width (mm): 48
- » Height approx. (mm): 62

Part no. 19129694



## ENDURANCE CARBIDE HAMMER

To fit Agrimaster

- » Working width (mm): 46
- » Height approx. (mm): 53

Reference no.: 3018831

Part no. 12330428



## ENDURANCE CARBIDE HAMMER

To fit Agri World

Part no. 19247974



## ENDURANCE CARBIDE HAMMER

To fit Agri World

- » Working width (mm): 46
- » Height approx. (mm): 71.5

Part no. 19641882



## ENDURANCE CARBIDE TOOL

To fit AHWI/Prinoth

- » Types: UZM 580, 700, M 700, 900, RF 800, 1000, S700-650

Reference no.: 46.UPT02

Part no. 32272084



## ENDURANCE CARBIDE HAMMER

To fit AHWI/Prinoth

- » Types: FM 700, 900, M 700, 900, RF 800, 1000, S700-650, UZM 580, 700

Reference no.: 46.UPT11

Part no. 32272002



## ENDURANCE CARBIDE HAMMER

To fit AHWI/Prinoth

- » Types: FM 500, 600, M 450, 550, 650, 700, 900, RF 800, 1000, S700-650, UZM 580, 700

Reference no.: 46.UPTS02

Part no. 32272001



## ENDURANCE CARBIDE HAMMER

To fit AHWI/Prinoth

- » Types: FM 500, 600, M 450, 550, 650, 700, 900, RF 800, 1000, S700-650, UZM 580, 700

Reference no.: 46.UPTS04

Part no. 32272000





## ENDURANCE CARBIDE HAMMER

To fit AHWI/Prinoth

» Types: UZM580, UZM700, M550, M700, M900, RF800, RF1000, S700-650

Reference no.: 46.UPTS05

**Part no. 32272039**

Reference no.: 46.UPTS06

**Part no. 32272040**



## ENDURANCE CARBIDE HAMMER

To fit AHWI/Prinoth

» Types: UZM580, UZM700, M550, M700, M900, RF800, RF1000, S700-650

Reference no.: UPTS07

**Part no. 32272038**



## ENDURANCE CARBIDE BLADE

To fit AHWI/Prinoth

» Height approx. (mm): 57

Reference no.: 46.BCS02

**Part no. 12079790**



## ENDURANCE CARBIDE BLADE

To fit AHWI/Prinoth

» Types: BCS02

Reference no.: 41368767

**Part no. 179726610**



## ENDURANCE CARBIDE SIDE SCRAPER

To fit AHWI/Prinoth

» Working width (mm): 103

» Height approx. (mm): 57

» Types: BCS04 | BCS05

Right

Reference no.: 41408356

**Part no. 12420309**

Left

Reference no.: 41408355

**Part no. 19420858**



Fig. right

## ENDURANCE CARBIDE BLADE

To fit AHWI/Prinoth

» Types: FM 500, 600, M 450, 550, 650, 700, 900, M 450e, 550e, RF 800, 1000, S700-650, UZM 580, 700

Reference no.: 41447697

**Part no. 32272003**



## ENDURANCE CARBIDE WELD-ON TOOTH

To fit AHWI/Prinoth

» Types: UZM 580, 700, M 700, 900, RF 800, 1000, S700-650

Reference no.: 46.AN001

**Part no. 32272046**



## ENDURANCE CARBIDE WELD-ON TOOTH

To fit AHWI/Prinoth

» Types: various

**Part no. 32272004**



## ENDURANCE CARBIDE WELD-ON TOOTH

To fit AHWI/Prinoth

» Types: S700, SF900 H

Reference no.: BFZ60

**Part no. 32272079**



## ENDURANCE CARBIDE FLAIL

To fit AHWI/Prinoth

Reference no.: BFS26

**Part no. 32272036**



## ENDURANCE CARBIDE FLAIL

To fit AHWI/Prinoth

Reference no.: BFS33

**Part no. 32272037**



## ENDURANCE CARBIDE CHISEL

To fit AHWI/Prinoth

Reference no.: 46.MA001.R

**Part no. 11044006**



Fig. right



## ENDURANCE CARBIDE FLAIL

To fit AHWI/Prinoth

Right

Reference no.: 46.BFS46.R.858

**Part no. 32272044**

Left

Reference no.: 46.BFS47.L.858

**Part no. 32272045**



Fig. right

## ENDURANCE CARBIDE FLAIL

To fit AHWI/Prinoth

» Types: SF 1100

1 tip, right

**Part no. 32272076**

1 tip, left

**Part no. 32272078**



Fig. right

## ENDURANCE CARBIDE FLAIL

To fit AHWI/Prinoth

» Types: SF 1100

1 tip, centre

**Part no. 32272077**



## ENDURANCE CARBIDE FLAIL

To fit AHWI/Prinoth

**Part no. 32272081**



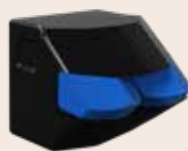
## ENDURANCE CARBIDE HAMMER

To fit Bandit

» Installation dimension (mm): 40

» Height approx. (mm): 64.6

**Part no. 19463293**



## ENDURANCE CARBIDE HAMMER

To fit Bandit

» Installation dimension (mm): 40

» Height approx. (mm): 70

**Part no. 12360051**



## ENDURANCE CARBIDE HAMMER

To fit Bandit

» Installation dimension (mm): 40

» Height approx. (mm): 70

**Part no. 12365562**



## ENDURANCE CARBIDE HAMMER

To fit Baumalight

» Working width (mm): 25

» Height approx. (mm): 70

Reference no.: P7000

**Part no. 19641776**



## ENDURANCE CARBIDE HAMMER

To fit Baumalight

» Height approx. (mm): 70

Reference no.: R7000

**Part no. 19312948**



## ENDURANCE CARBIDE HAMMER

To fit Baumalight

» Height approx. (mm): 64.6

**Part no. 19914416**



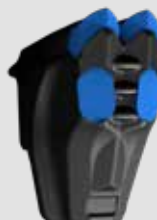
## ENDURANCE CARBIDE HAMMER

To fit Baumalight

» Working width (mm): 46

» Height approx. (mm): 71

**Part no. 35896217**



## ENDURANCE CARBIDE HAMMER

To fit Baumalight

» Working width (mm): 48

» Height approx. (mm): 70

**Part no. 35896524**





## ENDURANCE CARBIDE HAMMER

To fit Baualight

- » Working width (mm): 46
- » Height approx. (mm): 71

Part no. 19341082



## ENDURANCE CARBIDE HAMMER

To fit Berti

- » Working width (mm): 50
- » Height approx. (mm): 70
- » Types: EFX/DT

Right

Reference no.: DFLD/5399

Part no. 12365501

Left

Reference no.: DFSL/5398

Part no. 12346348



Fig. right

## ENDURANCE CARBIDE HAMMER

To fit Berti

- » Working width (mm): 50
- » Height approx. (mm): 71
- » Types: EFX/DT

Reference no.: DF/004

Part no. 12368880



## ENDURANCE CARBIDE HAMMER

To fit Berti

- » Working width (mm): 50
- » Height approx. (mm): 66.5
- » Types: MX/SSL, EFX/MD

Reference no.: DF/6246

Part no. 12367265



## ENDURANCE CARBIDE HAMMER

To fit Berti

- » Working width (mm): 50
- » Height approx. (mm): 66.5
- » Types: MX/SSL, EFX/MD

Right

Reference no.: DFLD/7144

Part no. 12367539

Left

Reference no.: DFSL/7143

Part no. 12532122



Fig. right

## ENDURANCE CARBIDE HAMMER

To fit Berti

- » Working width (mm): 30
- » Height approx. (mm): 64
- » Types: CKT/FX, PARK/FX, KX/SSL, ET/FX

Reference no.: 120300004

Part no. 12368301



## ENDURANCE CARBIDE HAMMER

To fit Bobcat

- » Working width (mm): 48
- » Height approx. (mm): 50

Part no. 12366987



## ENDURANCE CARBIDE HAMMER

To fit Bobcat

- » Working width (mm): 46
- » Height approx. (mm): 49

Part no. 12556859



## ENDURANCE CARBIDE HAMMER

To fit Bomford

- » Height approx. (mm): 89

Part no. 19403489

Right

Part no. 19173223



Fig. right

## ENDURANCE CARBIDE HAMMER

To fit Bomford

- » Working width (mm): 53
- » Height approx. (mm): 70

Part no. 19419217



## ENDURANCE CARBIDE HAMMER

To fit Bomford

- » Working width (mm): 58
- » Height approx. (mm): 90

Part no. 19649073



## ENDURANCE CARBIDE HAMMER

To fit Bugnot

- » Working width (mm): 138
- » Height approx. (mm): 88.5

Part no. 12348002





### ENDURANCE CARBIDE HAMMER

To fit Bugnot

- » Working width (mm): 138
- » Height approx. (mm): 88.5

Part no. 12405255



### ENDURANCE CARBIDE BLADE

To fit Caterpillar

- » Installation dimension (mm): 60

Part no. 19974072



### ENDURANCE CARBIDE BLADE

To fit Caterpillar

- » Installation dimension (mm): 55.4
- » Height approx. (mm): 43.4

Reference no.: 475-2746

Part no. 19343734



### ENDURANCE CARBIDE BLADE

To fit Caterpillar

Part no. 35918010



### ENDURANCE CARBIDE HAMMER

To fit Caterpillar

- » Installation dimension (mm): 57
- » Height approx. (mm): 43

Reference no.: 504-6100

Part no. 35905316



### ENDURANCE CARBIDE HAMMER

To fit Caterpillar

- » Installation dimension (mm): 48
- » Height approx. (mm): 62

Reference no.: 247-5913

Part no. 19313142



### ENDURANCE CARBIDE BLADE

To fit Denis Cimaf

- » Installation dimension (mm): 51

Part no. 12208960



### ENDURANCE CARBIDE BLADE

To fit Denis Cimaf

- » Installation dimension (mm): 51.2

Part no. 12209081



### ENDURANCE CARBIDE FLAIL

To fit Energreen

- » Installation dimension (mm): 20
- » Height approx. (mm): 40
- » Types: Forestry Head

Reference no.: ENG10201000011

Part no. 11012603



### ENDURANCE CARBIDE HAMMER

To fit FAE

- » Types: SCH/PM, UMH/S, UMH Mega, 300S, 500U

Reference no.: 111431000-K

Part no. 32272009



### ENDURANCE CARBIDE HAMMER

To fit FAE

- » Height approx. (mm): 121.1
- » Types: SCH/PM, SSH, SSM, UMH/S, UMH Mega, 500U, 300S

Reference no.: 112800075-K

Part no. 32272008



### ENDURANCE CARBIDE HAMMER

To fit FAE

- » Working width (mm): 46
- » Height approx. (mm): 71.5
- » Types: various

Reference no.: 111530012-K

Part no. 32272005





## ENDURANCE CARBIDE HAMMER

To fit FAE

» Types: UMM/EX, UMM/EX/VT, UML/SSL, UML/SSL/VT, UML/HY - UML/HY/VT, 500U, 300U, 200U, 140U

Reference no.: 111530017-K

**Part no. 32272006**



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Types: SFM, SSM, SSH, SCH/PM

Reference no.: 112800094-K

**Part no. 32272010**



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Working width (mm): 38

» Height approx. (mm): 117

» Types: 200S, 500S, RSL/PM, SSL Speed, SSL, SFH

Reference no.: 112800064-K

**Part no. 32272011**



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Working width (mm): 48

» Height approx. (mm): 62

Reference no.: 111530007-K

**Part no. 32272047**



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Working width (mm): 46

» Height approx. (mm): 70

» Types: UML, UMM, UMM/S, UMH/S

Reference no.: 111530013-K

**Part no. 32272048**



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Working width (mm): 48

» Height approx. (mm): 70

» Types: UML, UMM, UMM/S, UMH/S

Reference no.: 112800009-K

**Part no. 32272049**



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Types: UMM/EX, UMM/EX/VT, UML/SSL, UML/SSL/VT, UML/HY - UML/HY/VT, 500U, 300U, 200U, 140U

Reference no.: 111530018-K

**Part no. 32272051**



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Types: STCL/3

Reference no.: 112800063-K

**Part no. 32272052**



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Types: UMM/EX, UMM/EX/VT, UML/SSL, UML/SSL/VT, UML/HY - UML/HY/VT, 500U, 300U, 200U, 140U

Reference no.: 112800083-K

**Part no. 32272055**



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Types: UMM/EX, UMM/EX/VT, UML/SSL, UML/SSL/VT, UML/HY - UML/HY/VT, 500U, 300U, 200U, 140U

Reference no.: 112800082-K

**Part no. 32272056**



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Types: 300S, 500U, SCH/PM

Reference no.: 111431000-K

**Part no. 32272058**



## ENDURANCE CARBIDE FLAIL

To fit FAE

» Types: UMM/S, SSL Speed, SSL

Reference no.: 111708000-K

**Part no. 32272082**





### ENDURANCE CARBIDE HAMMER

To fit FAE

» Types: 300S, 500U, SCH/PM, UMH/S,  
UMH Mega

Reference no.: 112800014-K

Part no. 32272059



### ENDURANCE CARBIDE HAMMER

To fit FAE

» Types: 300S, 500U, SCH/PM

Reference no.: 112800075-K

Part no. 32272060



### ENDURANCE CARBIDE HAMMER

To fit FAE

» Height approx. (mm): 121

» Types: 300S, 500U, SCH/PM

Reference no.: 112800078-K

Part no. 32272061



### ENDURANCE CARBIDE HAMMER

To fit FAE

» Types: STC

Reference no.: 112221000-K

Part no. 32272063



### ENDURANCE CARBIDE HAMMER

To fit FAE

» Types: STC

Reference no.: 112800059-K

Part no. 32272064



### ENDURANCE CARBIDE STONE CRUSHER TOOL

To fit FAE

» Types: STC-3 HD

Reference no.: 112800061-K

Part no. 179016665



### ENDURANCE CARBIDE STONE CRUSHER TOOL

To fit FAE

» Types: STC3-FP

Reference no.: 112800066-K

Part no. 179016664



### ENDURANCE CARBIDE BROACHING TOOL

To fit FAE

Right

Reference no.: 112700002-K

Part no. 179726675

Left

Reference no.: 112700003-K

Part no. 179726676



Fig. right

### ENDURANCE CARBIDE FLAIL

To fit FAE

» Height approx. (mm): 111

» Types: UMM/S, SSL Speed, SSL

Reference no.: 112800023-K

Part no. 11018121



### ENDURANCE CARBIDE FLAIL

To fit FAE

» Height approx. (mm): 112

Reference no.: 112800065-K

Part no. 11467633



### ENDURANCE CARBIDE BLADE

To fit FAE

» Height approx. (mm): 43.4

Reference no.: 112800098

Part no. 11016701



### ENDURANCE CARBIDE HAMMER

To fit FAE

» Height approx. (mm): 43.3

Reference no.: 112800081

Part no. 11421545





## ENDURANCE CARBIDE HAMMER

To fit FAE

Reference no.: 112800105-K

Part no. 12200253



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Types: UMM/EX, UMM/EX/VT, UML/SSL, UML/SSL/VT, UML/HY - UML/HY/VT, 500U, 300U, 200U, 140U

Right

Reference no.: 112700004-K

Part no. 11014095

Left

Reference no.: 112700005-K

Part no. 11014094



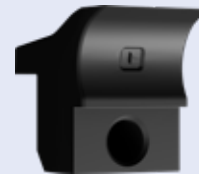
## ENDURANCE CARBIDE BLADE

To fit FAE

» Types: UML/SSL - UML/SSL/VT

Reference no.: 112800095, 112800093, 112800126K, 112800126

Part no. 179726674



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Types: STC, STC/R, STCH/SD, STCH/R/SD, 500RC

Reference no.: 112800015-K

Part no. 12073074



## ENDURANCE CARBIDE BLADE

To fit FAE

» Working width (mm): 60

» Height approx. (mm): 31

Reference no.: 112800131-K, 112800131

Part no. 11011848



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Working width (mm): 24

» Height approx. (mm): 112

Reference no.: 112800079-K, 112800079

Part no. 19129871



## ENDURANCE CARBIDE HAMMER

To fit FAE

» Working width (mm): 57.4

» Height approx. (mm): 47.8

Reference no.: 112800134-K, 112800134

Part no. 18524750



## ENDURANCE CARBIDE HAMMER

To fit Femac

» Installation dimension (mm): 40

» Height approx. (mm): 70

Part no. 18545450



## ENDURANCE CARBIDE HAMMER

To fit Femac

» Installation dimension (mm): 40

» Height approx. (mm): 70

Part no. 19417321



## ENDURANCE CARBIDE HAMMER

To fit Femac

» Installation dimension (mm): 64.6

Part no. 12557492



## ENDURANCE CARBIDE HAMMER

To fit Ferri

» Working width (mm): 44

» Height approx. (mm): 64

» Types: THFM-F 105, THFM130, THFM160

Reference no.: TFMZPUX456

Part no. 12361808



## ENDURANCE CARBIDE HAMMER

To fit Ferri

» Working width (mm): 57

» Height approx. (mm): 45.5

Reference no.: THFSZPUX123

Part no. 18523867





### ENDURANCE CARBIDE HAMMER

To fit Ferri

- » Working width (mm): 25
  - » Height approx. (mm): 70
- Reference no.: THFBZPK279  
**Part no. 19955990**



### ENDURANCE CARBIDE HAMMER

To fit Ferri

- » Height approx. (mm): 70
- Reference no.: THFBZPK279  
**Part no. 12525552**



### ENDURANCE CARBIDE HAMMER

To fit Ferri

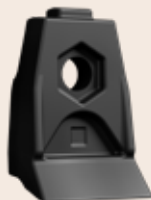
- » Height approx. (mm): 64.6
- Part no. 12557493**



### ENDURANCE CARBIDE BLADE

To fit Gyro-Trac

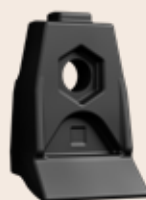
- » Types: 500HF, 700HF, 500HDM, 400HL
- Reference no.: F0010  
**Part no. 32272073**



### ENDURANCE CARBIDE HAMMER

To fit Gyro-Trac

- » Types: 500HF, 700HF, 500HDM, 400HL
- Reference no.: F0010  
**Part no. 32272074**



### ENDURANCE CARBIDE BLADE

To fit Humus

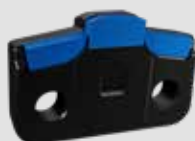
- Reference no.: 856.00.011  
**Part no. 19055338**



### ENDURANCE CARBIDE BLADE

To fit Humus

- Reference no.: 856.00.010  
**Part no. 19669568**



### ENDURANCE CARBIDE TOOL

To fit Kirpy

- » Installation dimension (mm): 84
  - » Height approx. (mm): 50
- Part no. 11017533**



### ENDURANCE CARBIDE TOOL

To fit Kirpy

- » Installation dimension (mm): 82
  - » Height approx. (mm): 50
- Part no. 11017240**



### ENDURANCE CARBIDE HAMMER

To fit Kirpy

- » Installation dimension (mm): 60
- Part no. 12359825**



### ENDURANCE CARBIDE BFS HAMMER INDEX A

To fit Kirpy

- » Installation dimension (mm): 60
  - » Height approx. (mm): 84
- Part no. 11204919**



### ENDURANCE CARBIDE HOLDER, SMALL

To fit Kirpy

- Part no. 12348033**





## ENDURANCE CARBIDE HOLDER

To fit Kirpy  
Part no. 11204633



## ENDURANCE CARBIDE HAMMER

To fit Lopez Garrido  
» Working width (mm): 48  
» Height approx. (mm): 70  
Part no. 35926318



## ENDURANCE CARBIDE HAMMER

To fit Lopez Garrido  
» Working width (mm): 46  
» Height approx. (mm): 70  
Part no. 19419218



## ENDURANCE CARBIDE HAMMER

To fit Lopez Garrido  
» Working width (mm): 46  
» Height approx. (mm): 71.5  
Part no. 18425046



## ENDURANCE CARBIDE HAMMER

To fit McConnel  
» Working width (mm): 46  
» Height approx. (mm): 49  
Part no. 19050643



## ENDURANCE CARBIDE HAMMER

To fit MDB  
» Working width (mm): 46  
» Height approx. (mm): 42  
Reference no.: 1520030241  
Part no. 19333942



## ENDURANCE CARBIDE HAMMER

To fit Niubo  
» Working width (mm): 46  
» Height approx. (mm): 42  
Part no. 12369558



## ENDURANCE CARBIDE BLADE

To fit Niubo  
» Height approx. (mm): 53.4  
Part no. 19419655



## ENDURANCE CARBIDE BLADE

To fit Niubo  
» Height approx. (mm): 57  
Part no. 18534892



## ENDURANCE CARBIDE HAMMER

To fit OMEF  
» Installation dimension (mm): 40  
» Height approx. (mm): 70  
Reference no.: DFHF14  
Part no. 12427098



## ENDURANCE CARBIDE HAMMER

To fit OMEF  
» Installation dimension (mm): 40  
» Height approx. (mm): 64.6  
Part no. 18979951



## ENDURANCE CARBIDE HAMMER

To fit OMEF  
» Installation dimension (mm): 40  
» Height approx. (mm): 70  
Part no. 18523253





### ENDURANCE CARBIDE HAMMER

To fit Orsi

- » Working width (mm): 46
- » Height approx. (mm): 71.5

Reference no.: 00023511

**Part no. 19365900**



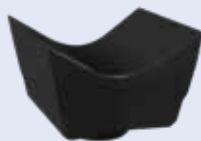
### ENDURANCE CARBIDE BLADE

To fit Orsi

- » Height approx. (mm): 43

Reference no.: 00023517

**Part no. 18534893**



### ENDURANCE CARBIDE HAMMER

To fit Orsi

- » Working width (mm): 48
- » Height approx. (mm): 70

**Part no. 35918009**



### ENDURANCE CARBIDE HAMMER

To fit Orsi

- » Working width (mm): 46
- » Height approx. (mm): 70

**Part no. 35898325**



### ENDURANCE CARBIDE HAMMER

To fit Orsi

- » Working width (mm): 38
- » Height approx. (mm): 72.6

**Part no. 19173011**



### ENDURANCE CARBIDE HAMMER

To fit OSMA

- » Working width (mm): 57
- » Height approx. (mm): 45.5

Reference no.: ZPUX123

**Part no. 19907882**



### ENDURANCE CARBIDE HAMMER

To fit OSMA

- » Working width (mm): 44
- » Height approx. (mm): 64

Reference no.: ZPUX456

**Part no. 18449554**



### ENDURANCE CARBIDE HAMMER

To fit Picursa

- » Working width (mm): 48
- » Height approx. (mm): 70

**Part no. 19410991**



### ENDURANCE CARBIDE HAMMER

To fit Picursa

- » Working width (mm): 46
- » Height approx. (mm): 71
- » Types: Combat

Reference no.: BFS-542

**Part no. 36007805**



### ENDURANCE CARBIDE HAMMER

To fit Picursa

- » Working width (mm): 46
- » Height approx. (mm): 70

**Part no. 19914401**



### ENDURANCE CARBIDE HAMMER

To fit Plaisance

- » Installation dimension (mm): 40
- » Height approx. (mm): 68

**Part no. 11097320**



### ENDURANCE CARBIDE TOOL

To fit Plaisance

- » Installation dimension (mm): 40
- » Height approx. (mm): 68

**Part no. 11483618**





### ENDURANCE CARBIDE HAMMER

To fit Plaisance

- » Installation dimension (mm): 40
- » Height approx. (mm): 65

Part no. 12332484



### ENDURANCE CARBIDE CHANGEOVER PLATE

To fit Plaisance

Part no. 12268902



### ENDURANCE CARBIDE HAMMER

To fit Plaisance

- » Installation dimension (mm): 40
- » Height approx. (mm): 40

Part no. 12347365



### ENDURANCE CARBIDE HAMMER

To fit Plaisance

Part no. 12403074



### ENDURANCE CARBIDE HAMMER

To fit Plaisance

Part no. 18424606



### ENDURANCE CARBIDE STONE CRUSHER

To fit PTH

- » Installation dimension (mm): 80
  - » Height approx. (mm): 94
  - » Types: Crusher 200, 250, 2000, 2500
- Part no. 179726611



### ENDURANCE CARBIDE HAMMER

To fit PTH

- » Installation dimension (mm): 38
- » Height approx. (mm): 52
- » Types: MicroCrusher, EcoCrusher, MultiCrusher

Part no. 12198450



### ENDURANCE CARBIDE HAMMER

To fit PTH

- » Installation dimension (mm): 40
- » Height approx. (mm): 70

Part no. 19419173



### ENDURANCE CARBIDE HAMMER

To fit PTH

- » Installation dimension (mm): 40
- » Height approx. (mm): 70

Part no. 19248437



### ENDURANCE CARBIDE HAMMER

To fit PTH

- » Height approx. (mm): 64.6

Part no. 19334933



### ENDURANCE CARBIDE HAMMER

To fit QM

- » Working width (mm): 25
- » Installation dimension (mm): 40
- » Height approx. (mm): 70

Part no. 19202053



### ENDURANCE CARBIDE HAMMER

To fit QM

- » Installation dimension (mm): 40
- » Height approx. (mm): 70

Part no. 35913816





### ENDURANCE CARBIDE HAMMER

To fit QM

» Height approx. (mm): 64.6

**Part no. 19334934**



### ENDURANCE CARBIDE HAMMER

To fit Rayco

» Working width (mm): 48

» Height approx. (mm): 62

**Part no. 19350005**



### ENDURANCE CARBIDE HAMMER

To fit Rayco

» Working width (mm): 46

» Height approx. (mm): 71.5

**Part no. 19190647**



### ENDURANCE CARBIDE HAMMER

To fit Rayco

» Working width (mm): 46

» Height approx. (mm): 71

**Part no. 19333921**



### ENDURANCE CARBIDE HAMMER

To fit Rayco

» Working width (mm): 48

» Height approx. (mm): 70

**Part no. 19350004**



### ENDURANCE CARBIDE HAMMER

To fit Remet CNC

» Working width (mm): 48

» Height approx. (mm): 62.3

**Part no. 19313291**



### ENDURANCE CARBIDE HAMMER

To fit Remet CNC

» Height approx. (mm): 121

**Part no. 12525791**



### ENDURANCE CARBIDE BLADE

To fit Remet CNC

» Height approx. (mm): 43.4

**Part no. 19334584**



### ENDURANCE CARBIDE HAMMER

To fit Schulte

» Working width (mm): 58

» Height approx. (mm): 90

**Part no. 19190842**



### ENDURANCE CARBIDE HAMMER

To fit Schulte

» Height approx. (mm): 80

Right

**Part no. 35793931**

Left

**Part no. 35926316**



Fig. right

### ENDURANCE CARBIDE HAMMER

To fit Schulte

» Working width (mm): 53

» Height approx. (mm): 70

**Part no. 19335281**



### ENDURANCE CARBIDE HAMMER

To fit SEPPI

» Types: Midiforst, Miniforst, Starforst, Superforst, Forst M, SAV, H-Smwa-K, Mini BMS, BMS-F, BMS-L, BMS, Super BMS Mini-Duo

Reference no.: 176.02.005

**Part no. 32272012**





## ENDURANCE CARBIDE HAMMER

To fit SEPPI

» Types: Miniforst, Midiforst, Superforst  
Reference no.: 176.02.005

**Part no. 32272069**



## ENDURANCE CARBIDE HAMMER

To fit SEPPI

» Types: Miniforst, Midiforst, Starforst,  
Superforst, Maxiforst, Multiforst

Reference no.: 176.02.084

**Part no. 32272068**



## ENDURANCE CARBIDE HAMMER

To fit SEPPI

» Types: Miniforst, Midiforst, Superforst  
Mini Mono

Reference no.: 187.02.163

**Part no. 32272070**



## ENDURANCE CARBIDE HAMMER

To fit SEPPI

» Types: Miniforst, Midiforst, Starforst,  
Superforst, Maxiforst, Multiforst,  
Midisoil, Starsoil, Supersoil, Maxisoil

Reference no.: 187.02.163

**Part no. 32272013**



## ENDURANCE CARBIDE HAMMER

To fit SEPPI

» Types: Midiforst, Miniforst, Multiforst,  
Starsoil

Reference no.: 187.02.207, 187.02.208

**Part no. 32272014**



## ENDURANCE CARBIDE HAMMER

To fit SEPPI

» Types: Midiforst, Starforst, Superforst,  
Maxiforst, Multiforst, Star-FC,  
Midi pierre dt, Midisoil, Starsoil,  
Supersoil, Maxisoil

Reference no.: 191.02.113

**Part no. 32272071**



## ENDURANCE CARBIDE HAMMER

To fit SEPPI

» Types: Star-FC, Midipierre dt,  
Midisoil dt, Supersoil, Maxisoil

Reference no.: 191.02.113

**Part no. 32272072**



## ENDURANCE CARBIDE HAMMER

To fit SEPPI

» Types: Multiforst, Starsoil  
Right

Reference no.: 191.02.181

**Part no. 12267291**

Left

Reference no.: 191.02.182

**Part no. 12271714**



Fig. right

## ENDURANCE CARBIDE HAMMER

To fit SEPPI

» Types: Starforst, Maxiforst, Midiforst dt

Reference no.: 197.02.259

**Part no. 11681419**



## ENDURANCE CARBIDE HAMMER

To fit SEPPI

» Types: Star-FC, Starsoil  
Reference no.: 172.02.074

**Part no. 11029139**



## ENDURANCE CARBIDE HAMMER

To fit SEPPI

» Types: Multiforst, Starsoil  
Right

Reference no.: 172.02.086

**Part no. 12267135**

Left

Reference no.: 172.02.085

**Part no. 12294004**



Fig. right

## ENDURANCE CARBIDE BLADE

To fit SEPPI

» Types: Mini-BMS, Miniforst, Miniforst cl  
Reference no.: 176.02.093

**Part no. 11681219**





## ENDURANCE CARBIDE FLAIL

To fit SEPPI

» Types: Midiforst

Reference no.: 187.02.101

**Part no. 32272015**



## ENDURANCE CARBIDE FLAIL

To fit SEPPI

» Types: Superforst (+ hyd), Maxiforst

Reference no.: 182.02.040

**Part no. 32272065**



## ENDURANCE CARBIDE FLAIL

To fit SEPPI

» Types: Midipierre (+ dt), Super-BMS

Reference no.: 182.02.041

**Part no. 32272066**



## ENDURANCE CARBIDE FLAIL

To fit SEPPI

» Types: Midiforst Drago

Reference no.: 187.02.125

**Part no. 32272067**



## ENDURANCE CARBIDE HAMMER

To fit Serrat

» Types: MF3, Farmland 3, Farmland 4,  
Farmland 5, FX, FX3, FX5, FX6, FX8, FX+

Right

Reference no.: CNJ-2118, CNJ-4566

**Part no. 11975828**

Left

Reference no.: CNJ-2119,  
CNJ-4601

**Part no. 11934614**



Fig. right

## ENDURANCE CARBIDE HAMMER

To fit Serrat

Right

Reference no.: CNJ-7417

**Part no. 19313296**

Left

Reference no.: CNJ-7418

**Part no. 19200229**



Fig. right

## ENDURANCE CARBIDE HAMMER

To fit Tifermec

» Types: TIROK-F SERIES, F100K, F130K,  
F160K

Reference no.: RQT011K100

**Part no. 19129686**



## ENDURANCE CARBIDE HAMMER

To fit Tifermec

» Types: TIROK-F, FK, F100K, F130K,  
F160K

Reference no.: RQT012K100

**Part no. 18542722**



## ENDURANCE CARBIDE HAMMER

To fit Tifermec

**Part no. 19173617**



## ENDURANCE CARBIDE HAMMER

To fit Tifermec

**Part no. 18438541**



## ENDURANCE CARBIDE HAMMER

To fit TMC Cancela

» Types: MPS, TFG, TFK, TFK+, TFR, TFS,  
TFS2, TFT, TFT-N, TFX, TFZ, THB, THK,  
THX, TLS, TLT, TLX, TLZ, TWF

Reference no.: TMC023550-01

**Part no. 12140219**



## ENDURANCE CARBIDE HAMMER

To fit TMC Cancela

» Types: MPS, TFG, TFK, TFK+, TFR, TFS,  
TFS2, TFT, TFT-N, TFX, TFZ, THB, THK,  
THX, TLS, TLT, TLX, TLZ, TWF

Reference no.: TMC031467-01

**Part no. 12136925**





## ENDURANCE CARBIDE HAMMER

To fit TMC Cancela

» Types: TFE, TFJ, THE, THI, THJ, TLE, TWJ  
Reference no.: STD094342-01

**Part no. 12052684**



## ENDURANCE CARBIDE HAMMER

To fit TMC Cancela

» Types: TFK, TFS, TFS2, TFR, TFT, TFX, TFZ, TLE, THE, THJ  
Reference no.: TMC000433-01

**Part no. 1796466661**



## ENDURANCE CARBIDE HAMMER

To fit Valentini

» Working width (mm): 57  
» Hole Ø (mm): M18 x 1.5  
» Height approx. (mm): 45.5

**Part no. 19313009**



## ENDURANCE CARBIDE HAMMER

To fit Ventura

» Working width (mm): 58  
» Installation dimension (mm): 58  
» Height approx. (mm): 90  
» Types: TFVJP, TPV, TPVD, TFVJMF, TFVJMFD, TFVMF, TFVMFD, TFVMFDE, TFVJMFH, TFVMFHE, TFVMFH, TFVJMFHCL, TFVJHPR, TFVMFHC, TPVH

Reference no.: 010700050

**Part no. 11975851**



## ENDURANCE CARBIDE HAMMER

To fit Ventura

» Height approx. (mm): 89  
» Types: TFVJP, TPV, TPVD, TFVJMF, TFVJMFD, TFVMF, TFVMFD, TFVMFDE, TFVJMFH, TFVMFHE, TFVMFH, TFVJMFHCL, TFVJHPR, TFVMFHC, TPVH

Right

Reference no.: 14410262

**Part no. 11934277**

Left

Reference no.: 14410263

**Part no. 11646275**



Fig. right

## ENDURANCE CARBIDE HAMMER

To fit Ventura

» Working width (mm): 53  
» Installation dimension (mm): 62  
» Height approx. (mm): 70

**Part no. 18519756**



## ENDURANCE CARBIDE HAMMER

To fit Zanon

» Types: TN/DT, TL

Reference no.: 3231294

**Part no. 11012113**





# PTA mulcher flails

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The PTA process is a high-performance thermal coating process. A high-energy plasma arc melts the surface of the base material.

At the same time, the metal powder is introduced into the arc where it too is melted. PTA enables coating with high-alloy materials such as tungsten carbide-reinforced nickel-based alloys or cobalt-based alloys.

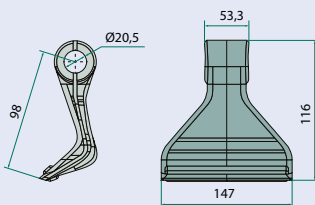
The result is a material connection between the coating and the base body, with a comparatively low heat input. As a result, the base body retains its hardness during the coating process.

This strong and wear-resistant connection helps the GRANIT mulcher flails to retain both their shape and their sharpness, even over long periods of use.

If the machine is used as intended, the service life can be expected to be extended by a factor of 3-5.

## ENDURANCE CARBIDE PRUNING HAMMER

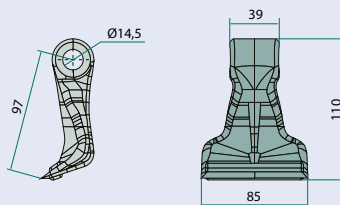
To fit Agrimaster  
Reference no.: 3001119  
Part no. 12011957



PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Agrimaster  
Reference no.: 3002322  
Part no. 12048470



PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Agrimaster  
Reference no.: 3008045  
Part no. 12403068



PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Agrimaster / FAE / Zanon  
Reference no.: 3001780, 111220000, 5350135  
Part no. 19608283



PTA coating



## ENDURANCE CARBIDE PRUNING HAMMER

To fit Alpego

Reference no.: P40061, MK0A00212

Part no. 12521131



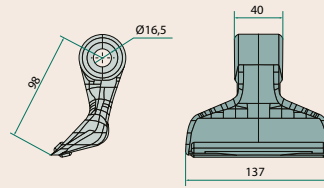
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Berti, Herder, Mühling

Reference no.: ML/0007, 9572.2020,  
MU000306

Part no. 12011964



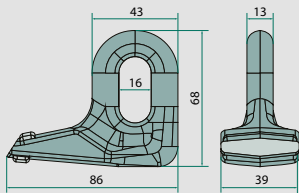
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Bomford, Epoke, Ferri, Hymach Spearhead, Kuhn,  
Mc Connel, Noremat, Turner

Reference no.: 02.959.01, 42750.01, 140-810, 09021138, 7770728SP,  
A6406520, 7190463, 100113, 13800

Part no. 12053033



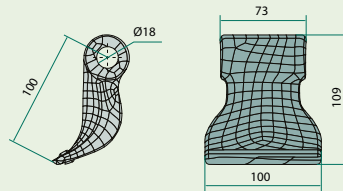
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Dragone

Reference no.: 000.03.048,  
ND00001692000

Part no. 12051953



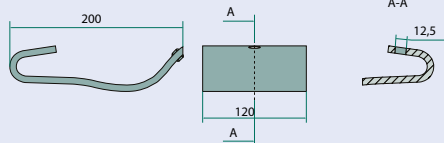
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Dücker

Reference no.: 945000444

Part no. 12054228



PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Dücker

Reference no.: 945000555

Part no. 18439569



PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Fehrenbach / HMF

Reference no.: FEHR110

Part no. 12403069



PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Fehrenbach / Kuhn

Reference no.: EM51, 6061900

Part no. 12362064



PTA coating



## ENDURANCE CARBIDE PRUNING HAMMER

To fit Fehrenbach / Kuhn / Sicma / Willibald

Reference no.: E-230-40-68E

Part no. 18438200



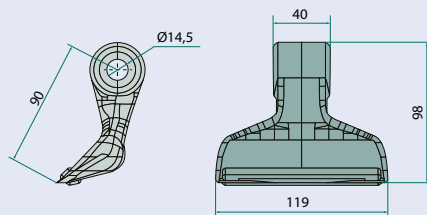
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Ferri, Zanon

Reference no.: 901143, 5350024

Part no. 12053767



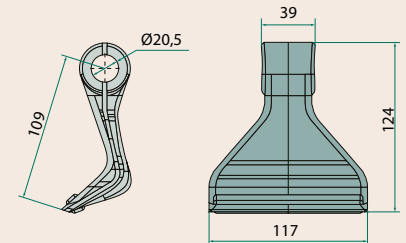
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Kuhn

Reference no.: JX138919

Part no. 12011956



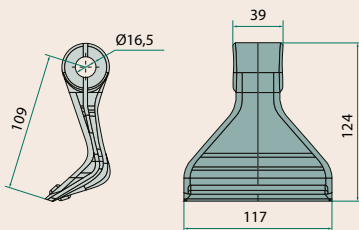
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Kuhn

Reference no.: J1891002

Part no. 11988185



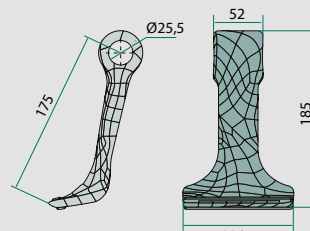
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Kuhn, Maschio Gaspardo, Nobili

Reference no.: 6061699, T30004027R, TX136276

Part no. 11986559



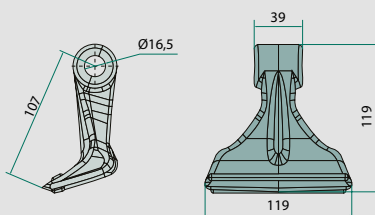
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Kuhn, Kverneland, Maschio

Reference no.: JX000049, MA6402076, MA6303076, MA6401076, T21004025R

Part no. 12067405



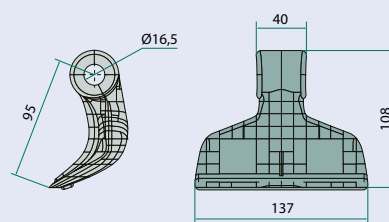
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Maschio

Reference no.: T21004030R

Part no. 11984586



PTA coating

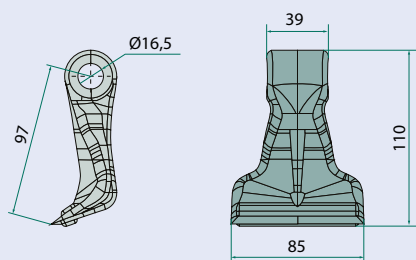


## ENDURANCE CARBIDE PRUNING HAMMER

To fit Maschio

Reference no.: M07400950R

Part no. 11988184



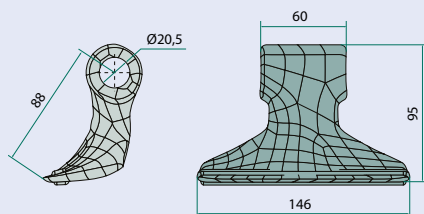
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Maschio

Reference no.: M03400410R

Part no. 12053765



PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Maschio

Reference no.: T30004027R

Part no. 12362132



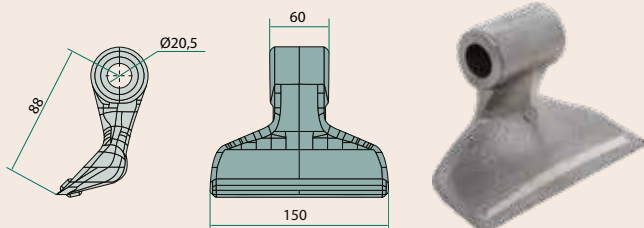
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Maschio, Humus

Reference no.: M03400410R, 224.92.390

Part no. 11988187



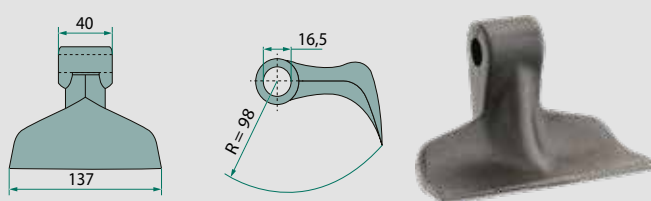
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Mühling

Reference no.: MU000306

Part no. 11132575



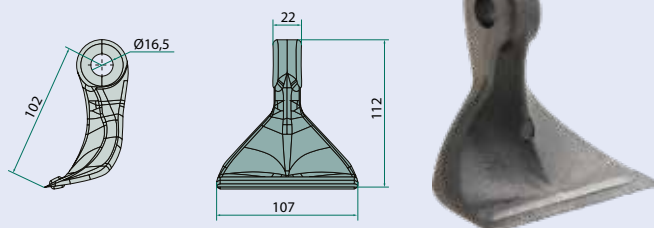
PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Perfect

Reference no.: 3.13665

Part no. 11988186



PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Perfect

Reference no.: 3.11624

Part no. 12295302

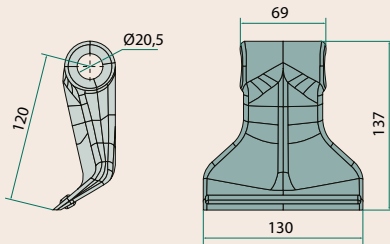


PTA coating



## ENDURANCE CARBIDE PRUNING HAMMER

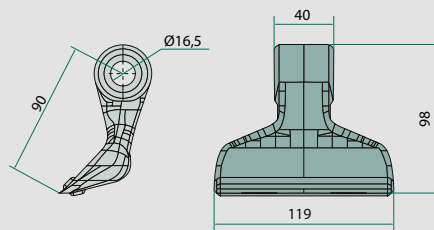
To fit Sauerburger  
Reference no.: 10024  
Part no. 12053766



PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit Sauerburger, Seppi  
Reference no.: 3025, 150.02.041  
Part no. 12055909



PTA coating

## ENDURANCE CARBIDE PRUNING HAMMER

To fit TMC Cancela  
Reference no.: TMC001836-02  
Part no. 19248163



PTA coating



PTA mulcher flails



# Milling chisels

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## ENDURANCE CARBIDE MILLING CHISEL

To fit road milling machines

Reference no.: 2642532, W7/20X, RK4-01, RK5-04, RM3-T8XL, RM3-M8 XL

**Part no. 12135982**



Box/pack: 50 pcs.

## ENDURANCE CARBIDE MILLING CHISEL

To fit road milling machines

Reference no.: P5, JMXR526, RK2-02P, W5 20X2

**Part no. 12135985**



Box/pack: 50 pcs.

## ENDURANCE CARBIDE MILLING CHISEL

To fit road milling machines

Reference no.: PH6L, JMXR684, RK3-02, W6M 20X2

**Part no. 12135987**



Box/pack: 50 pcs.

## ENDURANCE CARBIDE MILLING CHISEL

Suitable for special civil engineering

Reference no.: DR35, JMXT2535BGR, C31HD, BTK03

**Part no. 12294797**



Box/pack: 25 pcs.

## ENDURANCE CARBIDE MILLING CHISEL

Suitable for special civil engineering

Reference no.: JMXD3821XR, DS01/DS04, B47K19H

**Part no. 12294800**



Box/pack: 15 pcs.

## ENDURANCE CARBIDE MILLING CHISEL

Suitable for special civil engineering

Reference no.: JMXD3832XR, DS05, B47K22H

**Part no. 12294801**



Box/pack: 15 pcs.

## ENDURANCE CARBIDE MILLING CHISEL

To fit trenchers

Reference no.: JMXT3874CC, TXF74, TS19CX, BKS174

**Part no. 12294802**



Box/pack: 10 pcs.

## ENDURANCE CARBIDE MILLING CHISEL

To fit asphalt milling machines

Reference no.: JMXT3876CC, TXF76, TS30CX, BKS176

**Part no. 12295649**



Box/pack: 10 pcs.

## ENDURANCE CARBIDE MILLING CHISEL

To fit asphalt milling machines

Reference no.: 2642519, W4-G/20X, RK1-01P, RM3-TN1

**Part no. 12333050**



Box/pack: 50 pcs.



### **ENDURANCE CARBIDE MILLING CHISEL**

To fit asphalt milling machines  
Reference no.: 2642529, W6ML-20X, W7-20X,  
RK4-03, RM3-T8XL, RM3-M8 XL  
**Part no. 12341384**



Box/pack: 50 pcs.

### **ENDURANCE CARBIDE MILLING CHISEL**

To fit trenchers  
Reference no.: C35R, BTK11  
**Part no. 12341387**



Box/pack: 15 pcs.

### **ENDURANCE CARBIDE MILLING CHISEL**

Suitable for special civil  
engineering  
Reference no.: C3R, BC26  
**Part no. 12341765**



Box/pack: 40 pcs.

### **ENDURANCE CARBIDE MILLING CHISEL**

To fit asphalt milling machines  
Reference no.: TS31CX, BKS175  
**Part no. 12342554**



Box/pack: 10 pcs.

### **ENDURANCE CARBIDE MILLING CHISEL**

To fit asphalt milling machines  
**Part no. 12343876**



Box/pack: 10 pcs.

### **ENDURANCE CARBIDE MILLING CHISEL**

To fit road milling machines  
Reference no.: 2642523, W6/20X, RK3-01,  
RM3-T9, RM3-M9  
**Part no. 12346315**



Box/pack: 50 pcs.

### **ENDURANCE CARBIDE MILLING CHISEL**

To fit asphalt milling machines  
Reference no.: P14, JMXR14, RK3-PT, W1  
13 G 20X  
**Part no. 12346316**



Box/pack: 50 pcs.

### **ENDURANCE CARBIDE MILLING CHISEL**

To fit asphalt milling machines  
Reference no.: TJ503, SL07, BC62  
**Part no. 12347660**



Box/pack: 40 pcs.

### **ENDURANCE CARBIDE MILLING CHISEL**

To fit asphalt milling machines  
**Part no. 12347661**



Box/pack: 10 pcs.



### ENDURANCE CARBIDE MILLING CHISEL

To fit asphalt milling machines  
Reference no.: JMXT3875CC, TFX75,  
TS32CX, BKS158  
**Part no. 12347662**



Box/pack: 10 pcs.

### ENDURANCE CARBIDE MILLING CHISEL

To fit asphalt milling machines  
Reference no.: SM06, BSH05  
**Part no. 12348160**



Box/pack: 40 pcs.

### ENDURANCE CARBIDE MILLING CHISEL

To fit asphalt milling machines  
Reference no.: TS40CX  
**Part no. 12360614**



Box/pack: 10 pcs.

### ENDURANCE CARBIDE MILLING CHISEL

To fit asphalt milling machines  
Reference no.: 2992987, W6/22, S6-22  
**Part no. 12330502**



Box/pack: 40 pcs.

### ENDURANCE CARBIDE MILLING CHISEL

To fit asphalt milling machines  
Reference no.: 2992988, W8/22, S8-22  
**Part no. 18524206**



Box/pack: 40 pcs.





# Interchangeable lugs

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## **ENDURANCE CARBIDE INTERCHANGEABLE LUG**

Reference no.: MS39R, WS39R

Part no. 11978429



## **ENDURANCE CARBIDE INTERCHANGEABLE LUG**

Reference no.: MS46, WS46

Part no. 11971565



## **ENDURANCE CARBIDE INTERCHANGEABLE LUG**

Reference no.: MS39, WS39

Part no. 11971564



## **ENDURANCE CARBIDE INTERCHANGEABLE LUG**

Reference no.: MS63, BA63

Wall thickness: 40 mm

Part no. 11966002



## **ENDURANCE CARBIDE INTERCHANGEABLE LUG**

Reference no.: MSHA07, BHA07

Wall thickness: 40 mm

Part no. 11969180



## **ENDURANCE CARBIDE INTERCHANGEABLE LUG**

Reference no.: MS67, BA67

Wall thickness: 40 mm

Part no. 11969362





### ENDURANCE CARBIDE INTERCHANGEABLE LUG

Reference no.: MS65, BA65  
Wall thickness: 40 mm  
Part no. 11973552



### ENDURANCE CARBIDE INTERCHANGEABLE LUG

Reference no.: MS47, BA47  
Wall thickness: 40 mm  
Part no. 11976349



### ENDURANCE CARBIDE INTERCHANGEABLE LUG

Reference no.: MSHA04, BHA04  
Wall thickness: 40 mm  
Part no. 11986003



### ENDURANCE CARBIDE WELD-ON LUG

Reference no.: MS13, BA13  
Part no. 11973551



### ENDURANCE CARBIDE WELD-ON LUG

Reference no.: MS24, BA24  
Part no. 11982412



### ENDURANCE CARBIDE WELD-ON LUG

Reference no.: MS10, BA10  
Part no. 11986000



### ENDURANCE CARBIDE WELD-ON LUG

Reference no.: MS04, BA04  
Part no. 11976348



### ENDURANCE CARBIDE WELD-ON LUG

Reference no.: MS01, BA01  
Part no. 11979935



### ENDURANCE CARBIDE HOLDER

Part no. 12053098



### ENDURANCE CARBIDE HOLDER

Reference no.: MS39H, WS39H  
Part no. 11963402



### ENDURANCE CARBIDE HOLDER

Part no. 11936753



### ENDURANCE CARBIDE HOLDER

Part no. 12096593



### ENDURANCE CARBIDE HOLDER

Part no. 12139706





# Scrapers

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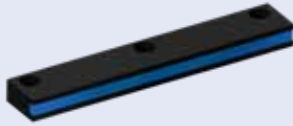
 ENGINEERED  
TO RESIST





### ENDURANCE CARBIDE SCRAPER TCR

To fit Wirtgen  
B248 / type 1  
» Width (mm): 248  
Reference no.: 43408  
Part no. 19129802



### ENDURANCE CARBIDE SCRAPER TCR

To fit Wirtgen  
B248 L / type 1  
» Width (mm): 248  
Reference no.: 44638  
Part no. 18904596



### ENDURANCE CARBIDE SCRAPER TCR

To fit Wirtgen  
B248 R / type 1  
» Width (mm): 248  
Reference no.: 44639  
Part no. 18522754



### ENDURANCE CARBIDE SCRAPER TCR

To fit Wirtgen  
B145 R / type 1  
» Width (mm): 145  
Reference no.: 56335  
Part no. 18440241



### ENDURANCE CARBIDE SCRAPER TCR

To fit Wirtgen  
B145 / type 1  
» Width (mm): 145  
Reference no.: 60117  
Part no. 18979911



### ENDURANCE CARBIDE SCRAPER TCR

To fit Wirtgen  
B145 L / type 1  
» Width (mm): 145  
Reference no.: 56336  
Part no. 19313269



### ENDURANCE CARBIDE SCRAPER TCR

To fit Wirtgen  
B100 / type 1  
» Width (mm): 100  
Reference no.: 56731  
Part no. 19201980





# ENDURANCE **CARBIDE**



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**CONSTRUCTION MACHINERY** From page 48