



A BETEK BRAND



SITEK

OUR PRODUCTS



SITEK A BETEK BRAND



→ **SITEK**
A BETEK BRAND

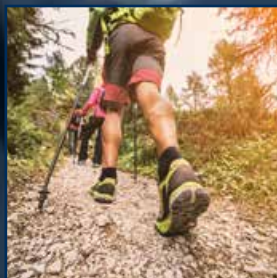
- TIRE STUDS
- SCARIFIER CUTTERS
- POLE TIPS
- HORSESHOE TIPS



SITEK's core competence is in tyre studs for winter tyres. They provide optimum grip on snow and ice.



Carbide tipped SITEK tools are used to roughen or scour concrete and asphalt surfaces.



SITEK threaded studs and carbide tips for poles provide improved grip on roads, snow and ice

IN USE WORLDWIDE

TUNGSTEN CARBIDE AND STEEL

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

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



THE CREATION OF

BETEK HIGH-TECH TOOLS



1

CUSTOMER SERVICE

- Efficient, customised solutions based on flexible structures
- Personalised, quick response to customer requirements



2

RESEARCH & DEVELOPMENT

- Quick creation of samples and prototypes
- Competitive pricing thanks to close cooperation with all production units



3

TUNGSTEN CARBIDE MANUFACTURING

- High-purity raw materials are used for high strength
- Consistently high, pore-free tungsten carbide quality through precise process control thanks to years of experience and know-how



4

SOLDERING PRODUCTION UNIT

Production facilities and processes specially developed to perfection by experts in the combination of tungsten carbide and steel



5

AUTOMATION

Maintaining a competitive edge on the global market thanks to a high degree of automation and flexible manufacturing facilities



6

QUALITY ASSURANCE

Continuous quality testing of the entire manufacturing chain all the way up to the installation site, in conformity with DIN ISO 9001:2000 and DIN EN ISO 14001



7

TRAINING

User training courses at BETEK or on-site for sustainable, long-term commercial success and customer satisfaction



8

LOGISTICS

Quick responses thanks to:

- the use of the very latest IT and enhanced logistics networking
- Standard products kept in stock

OUR KNOW-HOW COMBINED WITH STATE-OF-THE-ART PRODUCTION TECHNOLOGIES GUARANTEES THE FINEST QUALITY, MADE IN GERMANY

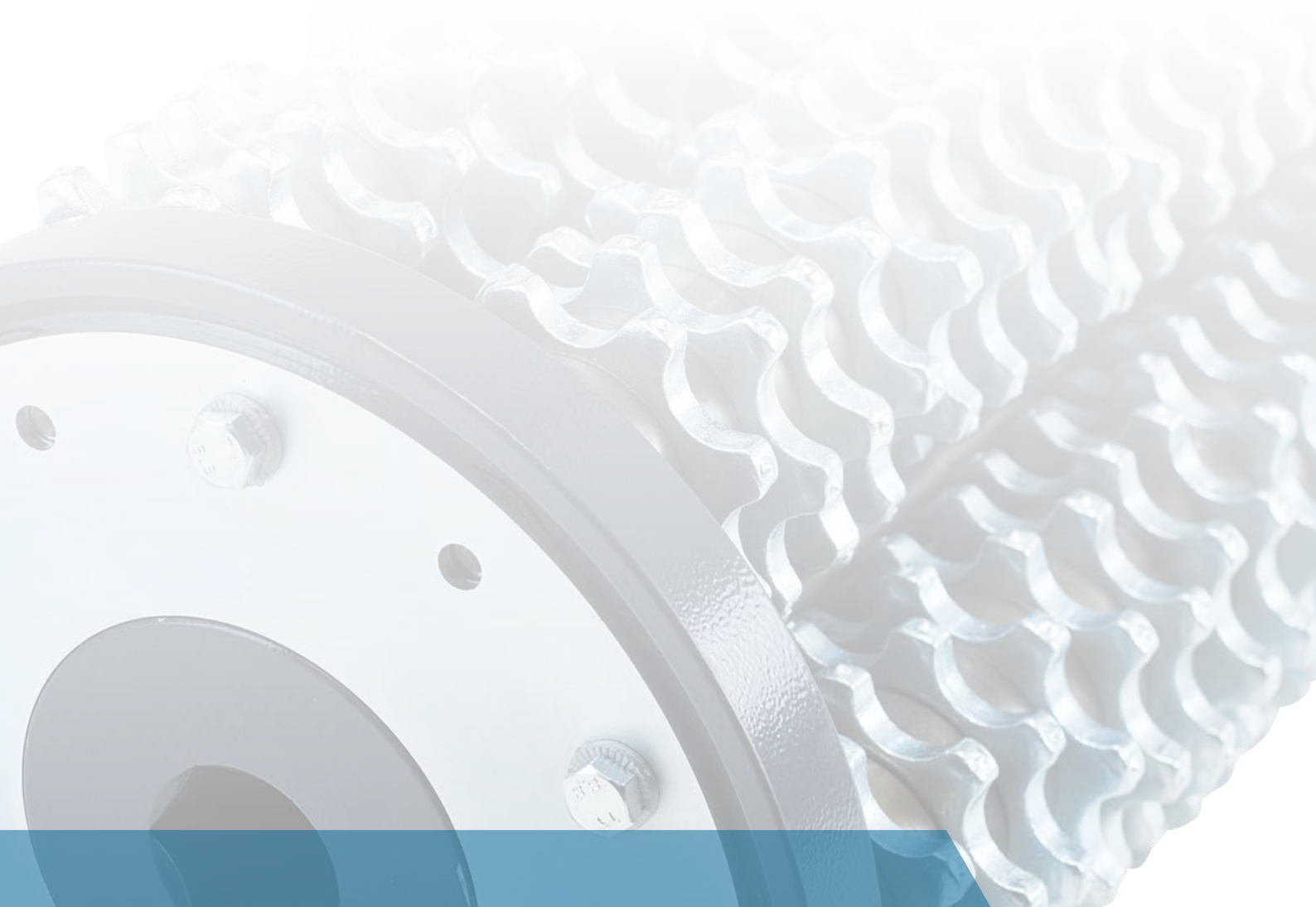
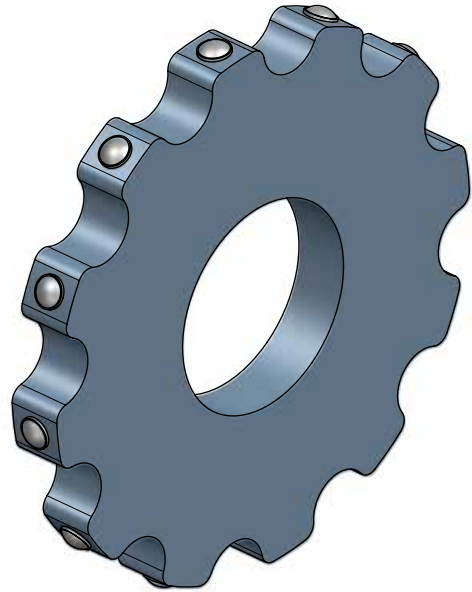
TYRE STUDS CARBIDE TIPPED TOOLS HORSESHOE TIPS TC POWDER

Tyre studs for winter tyres, carbide tipped tools, horseshoe tips, ct poles and tungsten carbide powder – that's the SITEK product range. The production of tyre studs began as far back as 1962 and was transferred to SITEK, specially formed for the tyre stud business, in 1989. With its advanced technology, SITEK is now the global market leader in tyre stud production. The company's own tungsten carbide production contributes significantly to the success of SITEK's products.



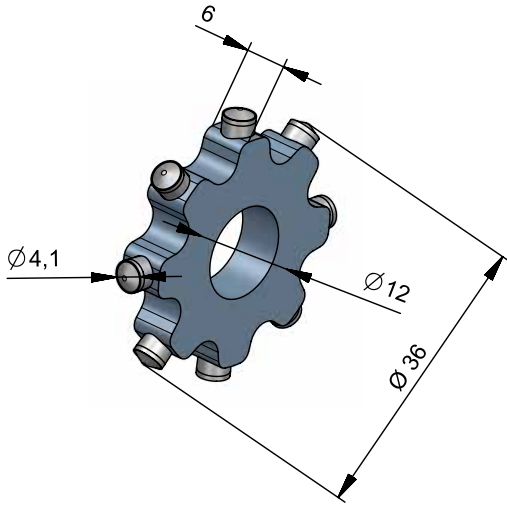
CUTTERS

► SCARIFIER MACHINES



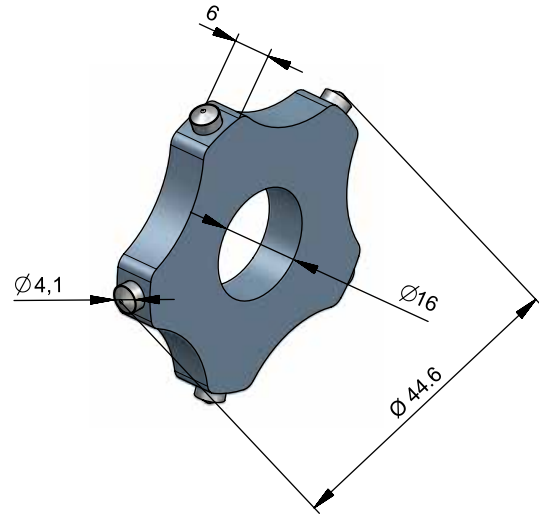
CUTTERS

► SCARIFIER MACHINES



- **CU 8P 36-6/12-8.3**

Article No.	5012037
Carbide length	8.3

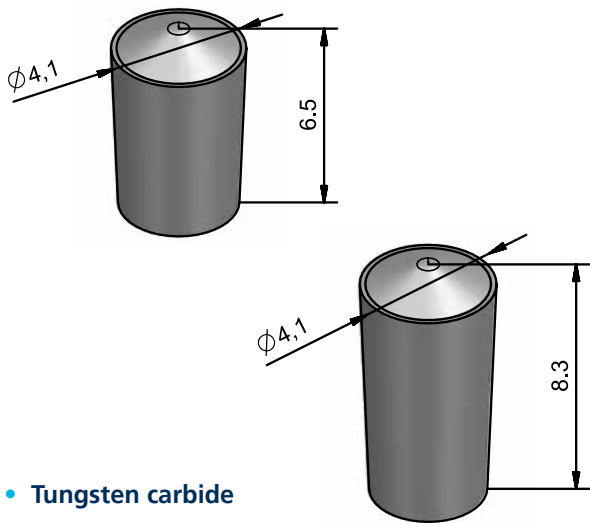


- **CU 5P 44.6-6/16-6.5**

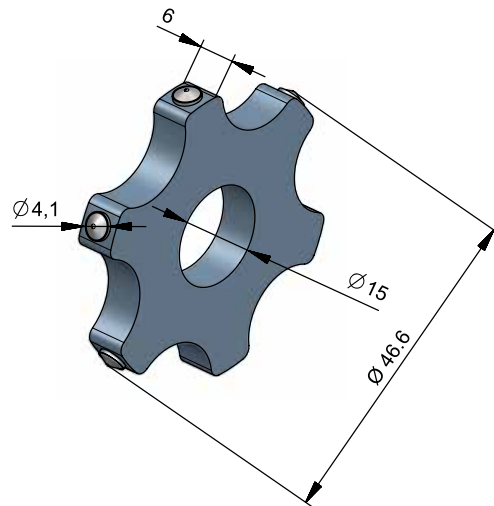
Article No.	5013095
Carbide length	6.5

- **CU 5P 44.6-6/16-8.3**

Article No.	5014837
Carbide length	8.3



- **Tungsten carbide**

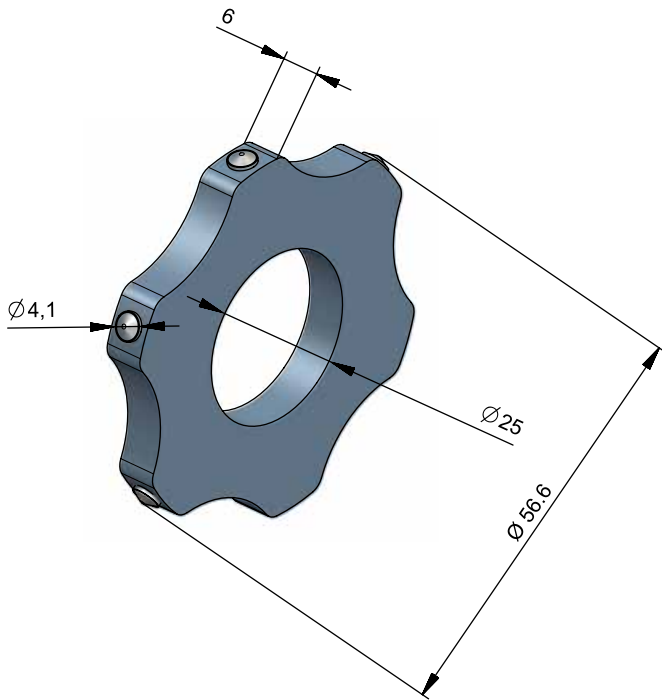


- **CU 6P 46.6-6/15-6.5**

Article No.	5010638
Carbide length	6.5

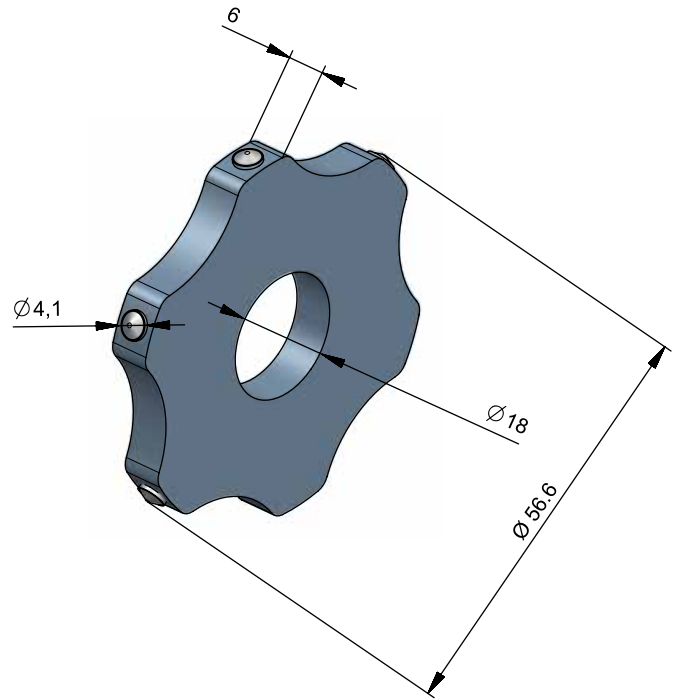
- **CU 6P 46.6-6/15-8.3**

Article No.	5010637
Carbide length	8.3



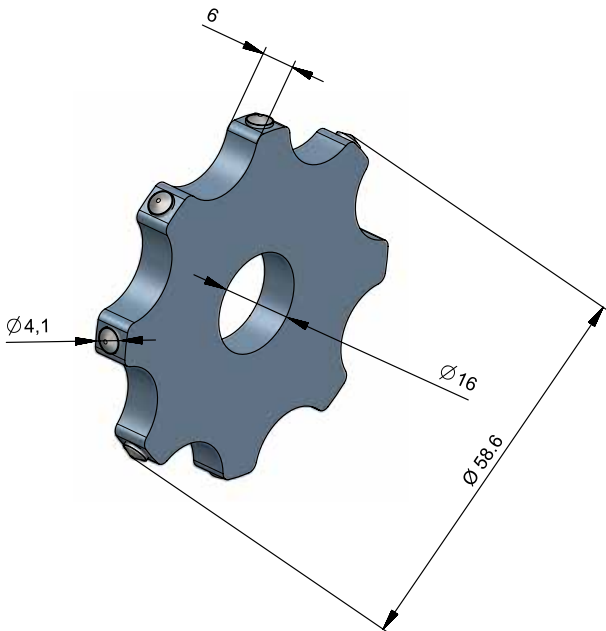
• **CU 6P 56.6-6/25-8.3**

Article No.	5010137
Carbide length	8.3



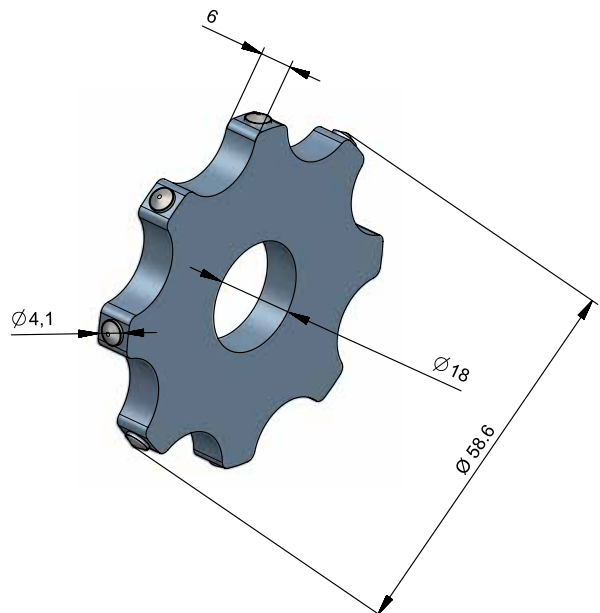
• **CU 6P 56.6-6/18-8.3**

Article No.	5010537
Carbide length	8.3



• **CU 8P 58.6-6/16-8.3**

Article No.	5014337
Carbide length	8.3

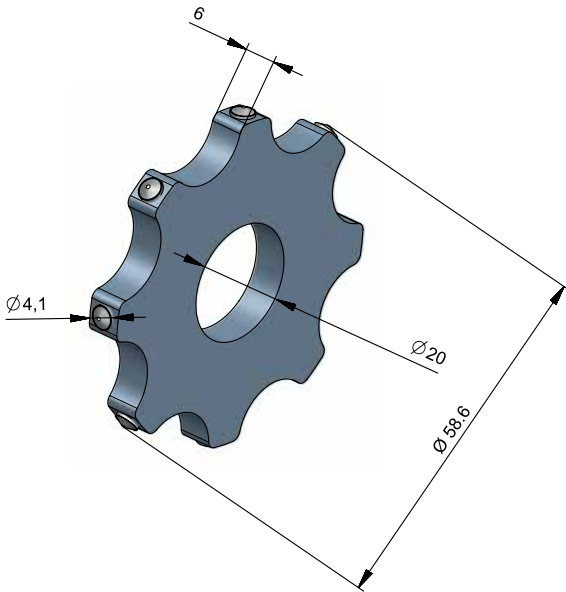


• **CU 8P 58.6-6/18-8.3**

Article No.	9070807
Carbide length	8.3

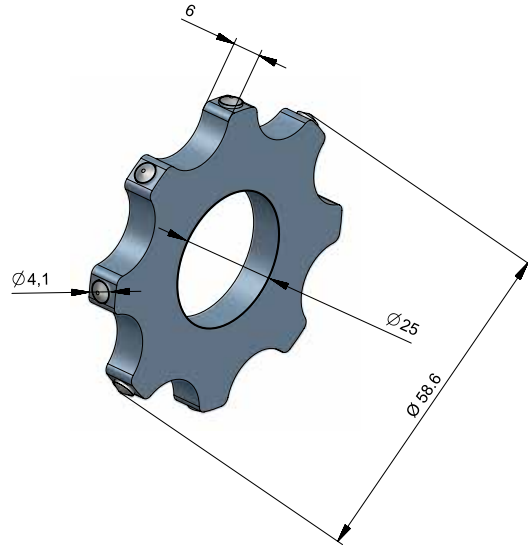
CUTTERS

▶ SCARIFIER MACHINES



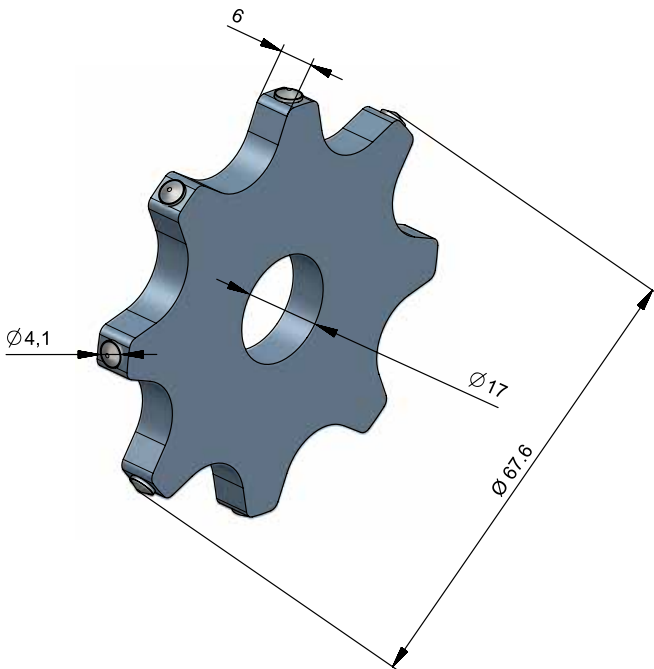
• **CU 8P 58.6-6/20-8.3**

Article No.	5011937
Carbide length	8.3



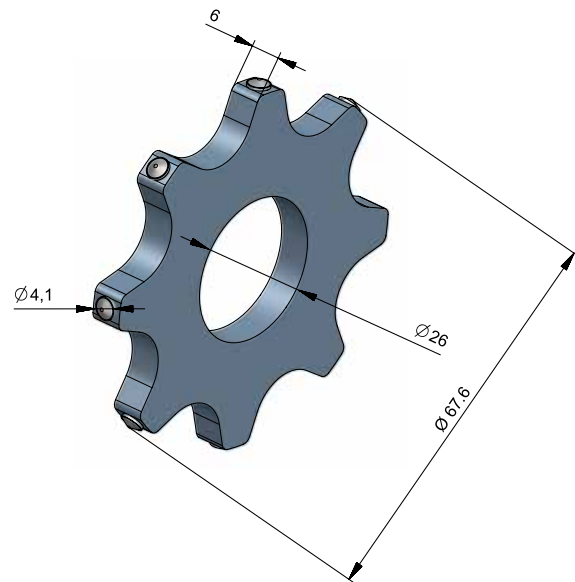
• **CU 8P 58.6-6/25-8.3**

Article No.	5010237
Carbide length	8.3



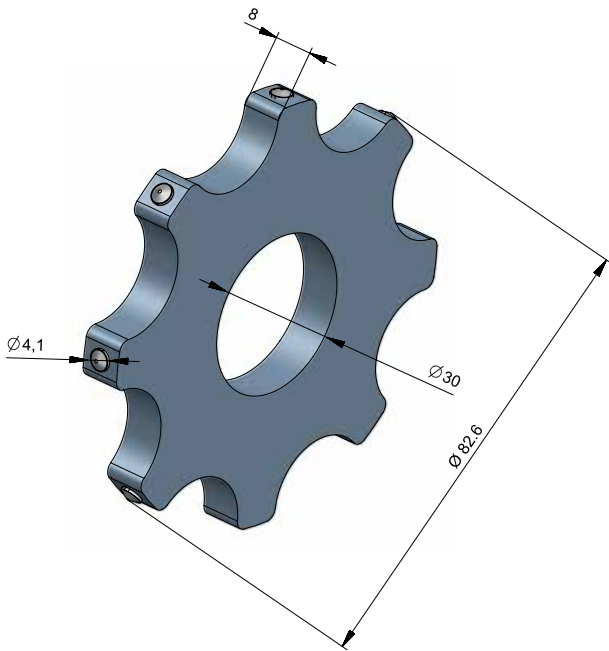
• **CU 8P 67.6-6/17-8.3**

Article No.	5010437
Carbide length	8.3



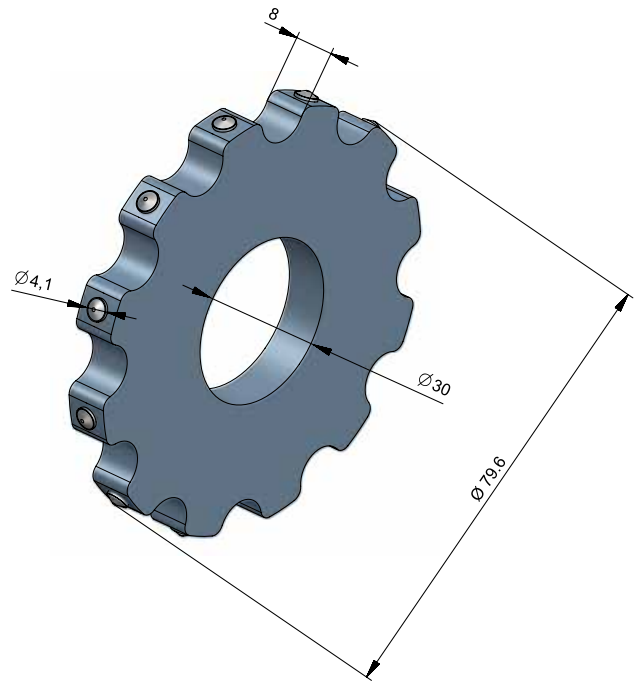
• **CU 8P 67.6-6/26-8.3**

Article No.	5014237
Carbide length	8.3



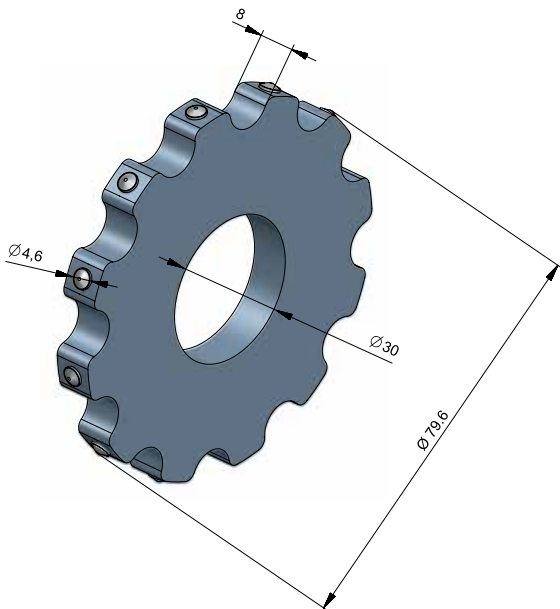
• **CU 8P 82.6-8/30-8.3**

Article No.	5010337
Carbide length	8.3



• **CU 12P 79.6-8/30-8.3**

Article No.	5010837
Carbide length	8.3

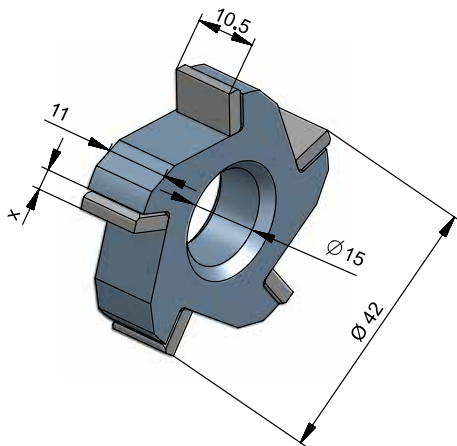
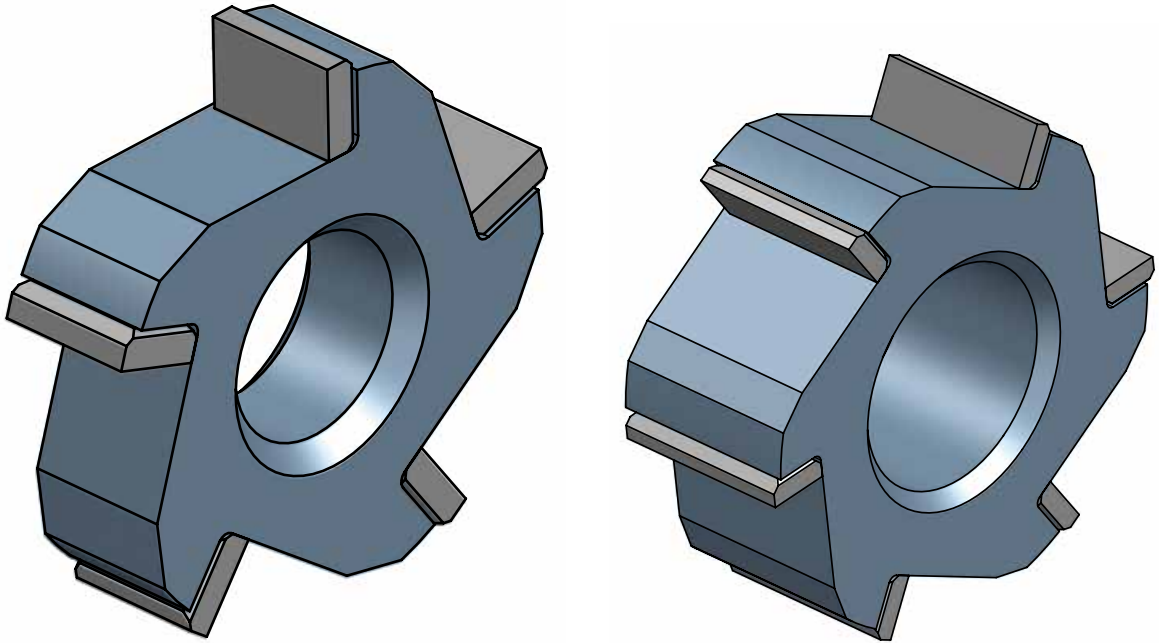


• **CU 12P 79.6-8/30-8.5 4.6**

Article No.	9000822
Carbide length	8.5

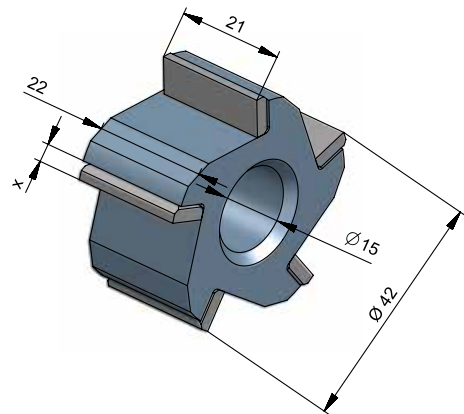
MILLING CUTTERS

► SCARIFIER MACHINES



- **MC 5P 42-11/15-2.8**

Article No.	5040094
Thickness of tungsten carbide plate X	2.8

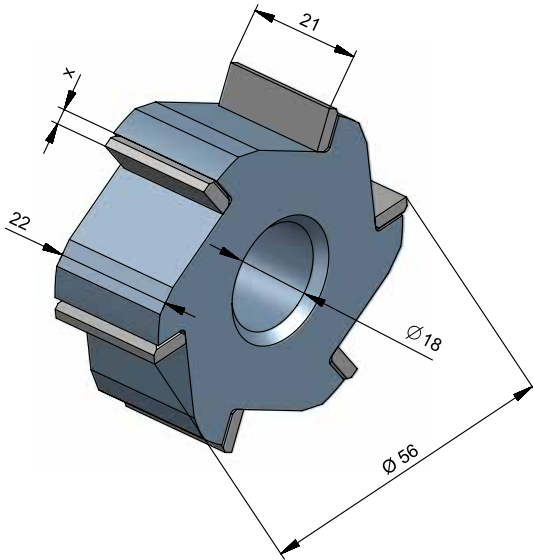


- **MC 5P 42-22/15-2.8**

Article No.	5040194
Thickness of tungsten carbide plate X	2.8

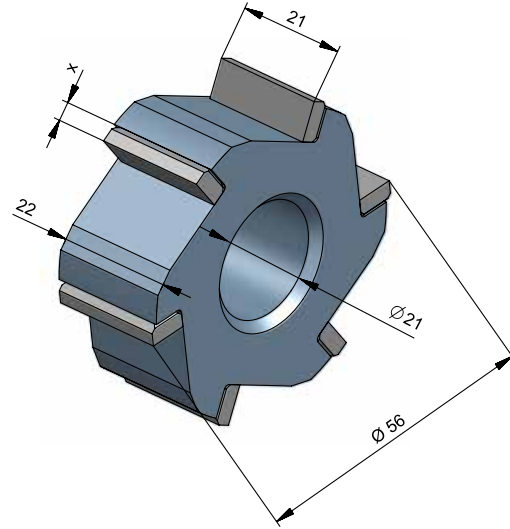
- **MC 5P 42-22/15-3.6**

Article No.	5040193
Thickness of tungsten carbide plate X	3.6



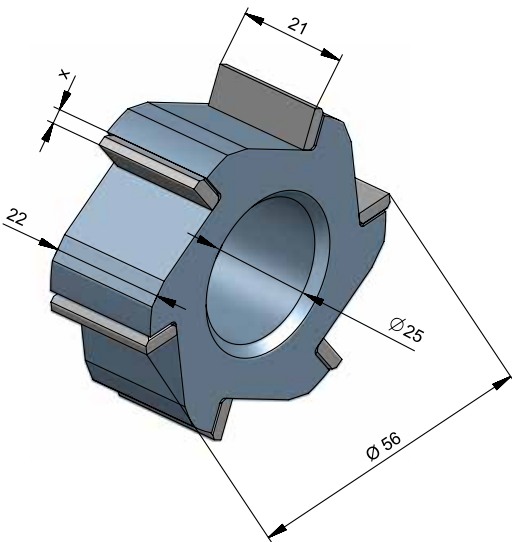
• **MC 6P 56-22/18-2.8**

Article No.	5041294
Thickness of tungsten carbide plate X	2.8



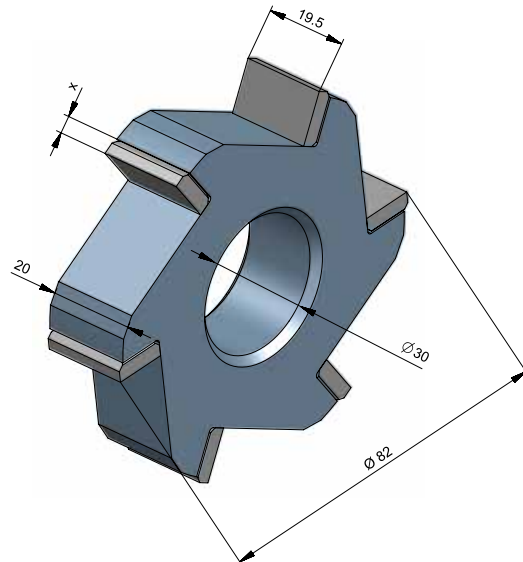
• **MC 6P 56-22/21-3.6**

Article No.	9003933
Thickness of tungsten carbide plate X	3.6



• **MC 6P 56-22/25-2.8**

Article No.	5041394
Thickness of tungsten carbide plate X	2.8



• **MC 6P 82-20/30-4.0**

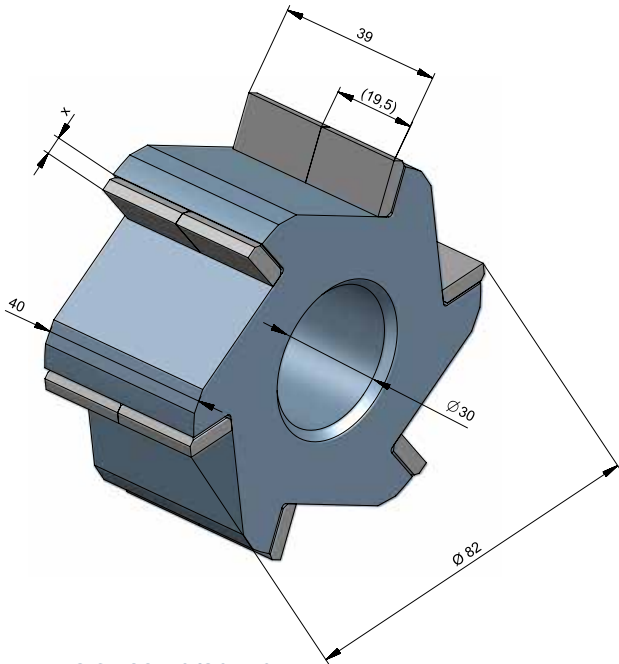
Article No.	5040204
Thickness of tungsten carbide plate X	4

• **MC 6P 82-20/30-4.8**

Article No.	5040219
Thickness of tungsten carbide plate X	4.8

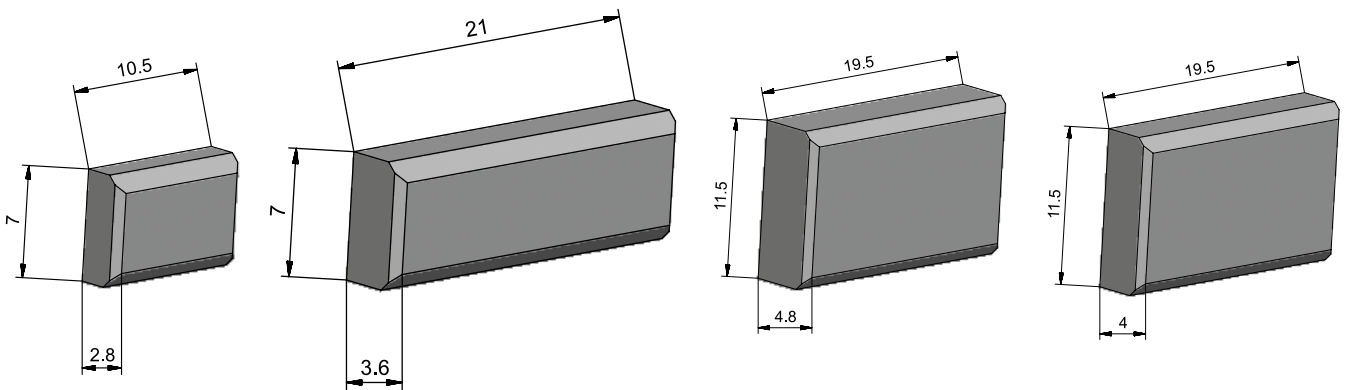
MILLING CUTTERS

► SCARIFIER MACHINES



- **MC 6P 82-40/30-4.0**

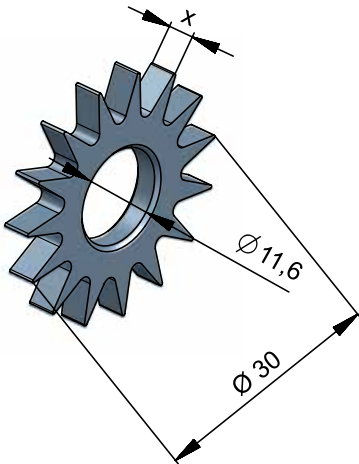
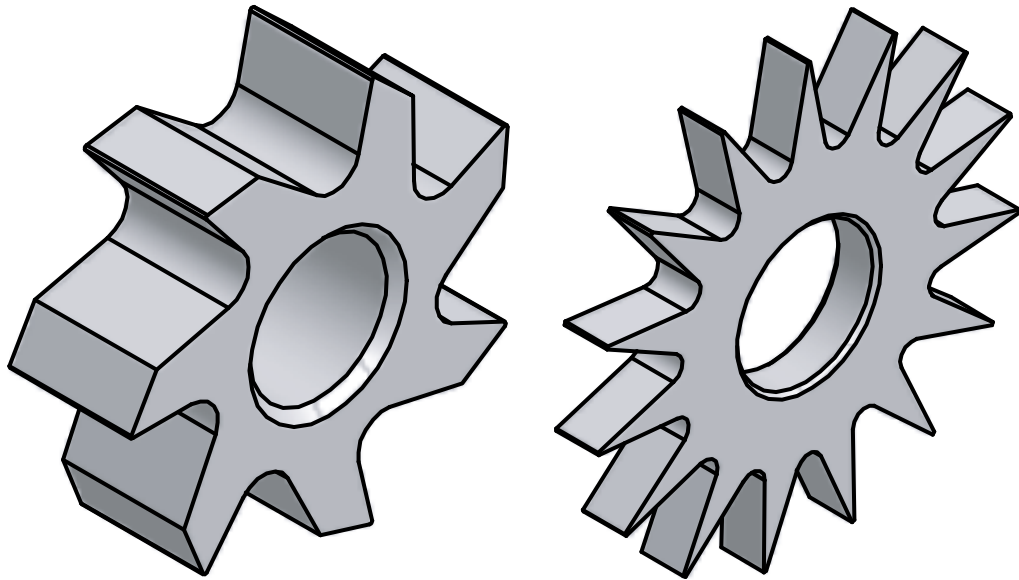
Article No.	5040404
Thickness of tungsten carbide plate X	4



- **Tungsten carbide plates**

FULL CARBIDE CUTTERS

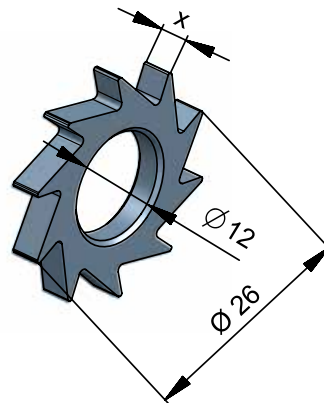
► GRINDING MACHINES / SCARIFIER MACHINES



• **FC 15P 30-X/11.6**

Article No.	5400010	5400013
X Thickness	3.5	2.5

Article No.	5400110	5400055
X Thickness	4.2	5.5

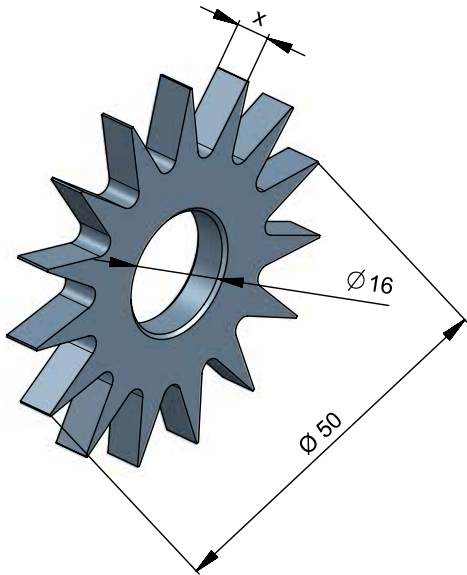


• **FC 10P 26-3.5/12**

Article No.	5400009
X Thickness	3.5

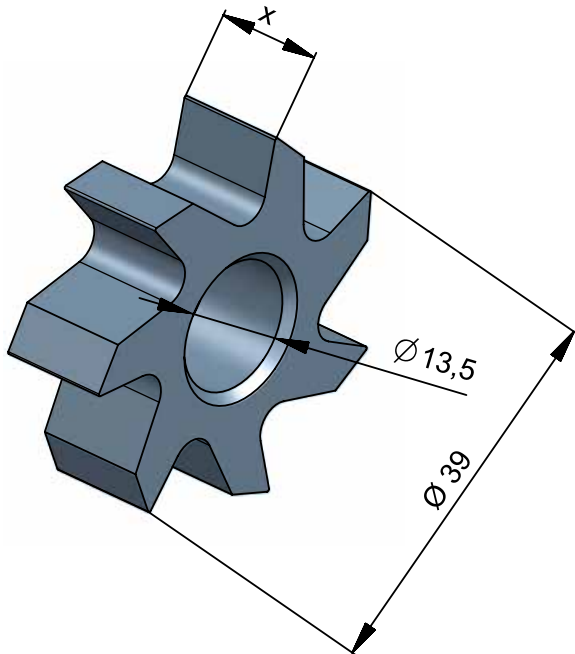
FULL CARBIDE CUTTERS

► GRINDING MACHINES / SCARIFIER MACHINES



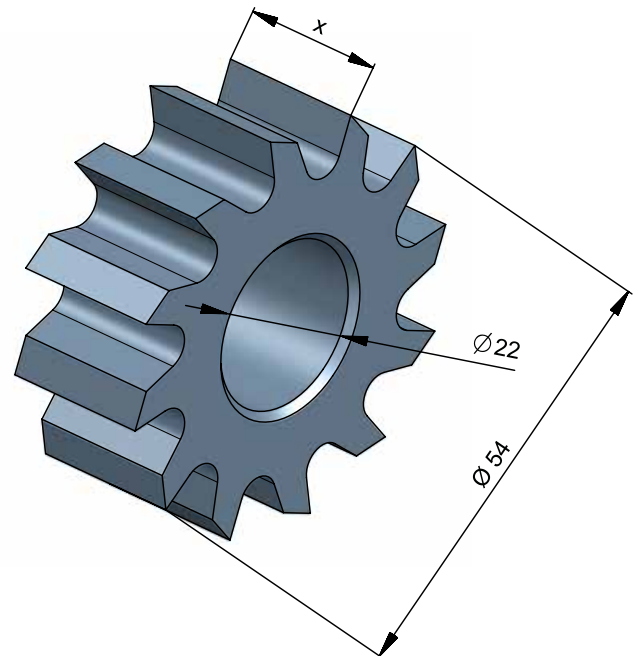
- **FC 15P 50-5/16**

Article No.	5001207
X Thickness	5.0



- **FC 7P 39-12/13.5**

Article No.	5400012
X Thickness	12.0

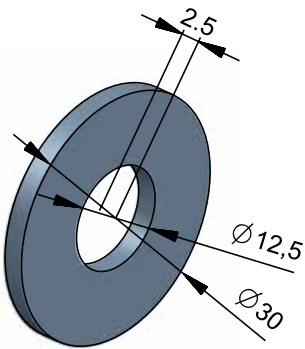
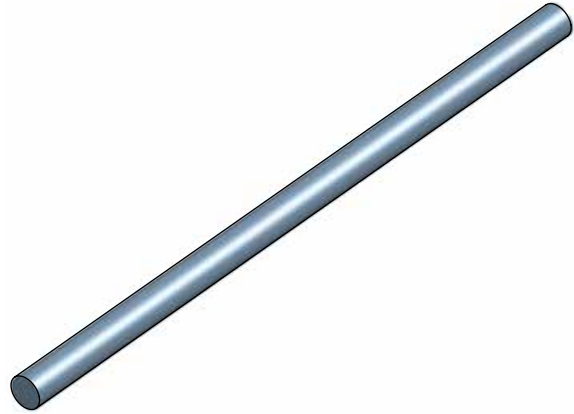
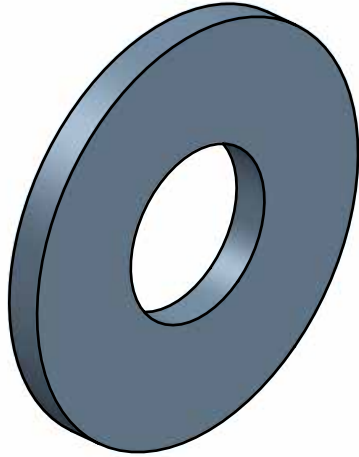


- **FC 12P 54-20/22 BO 30**

Article No.	5400112
X Thickness	22

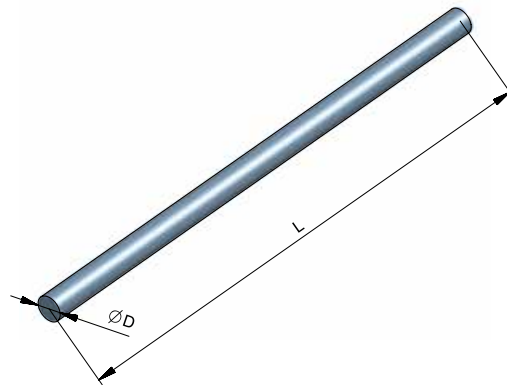
WASHERS / SHAFTS

► SCARIFIER MACHINES



• **SP 30-12.5-2.5**

Article No.	9098127
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• **SH 10-215**

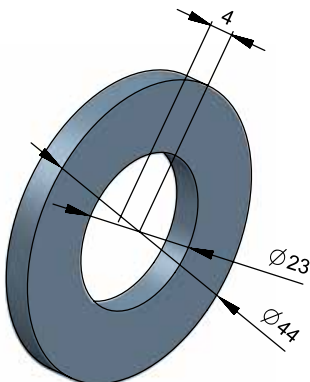
Article No.	5400058
Ø D	10
L	215

• **SH 12-268**

Article No.	5400016
Ø D	12
L	268

• **SH 12-215**

Article No.	5400017
Ø D	12
L	215



• **SP 44-23-4**

Article No.	9098129
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• **SH 20-353**

Article No.	5400032
Ø D	20
L	353

• **SH 20-338**

Article No.	5400044
Ø D	20
L	338

• **SH 20-333**

Article No.	5400028
Ø D	20
L	333

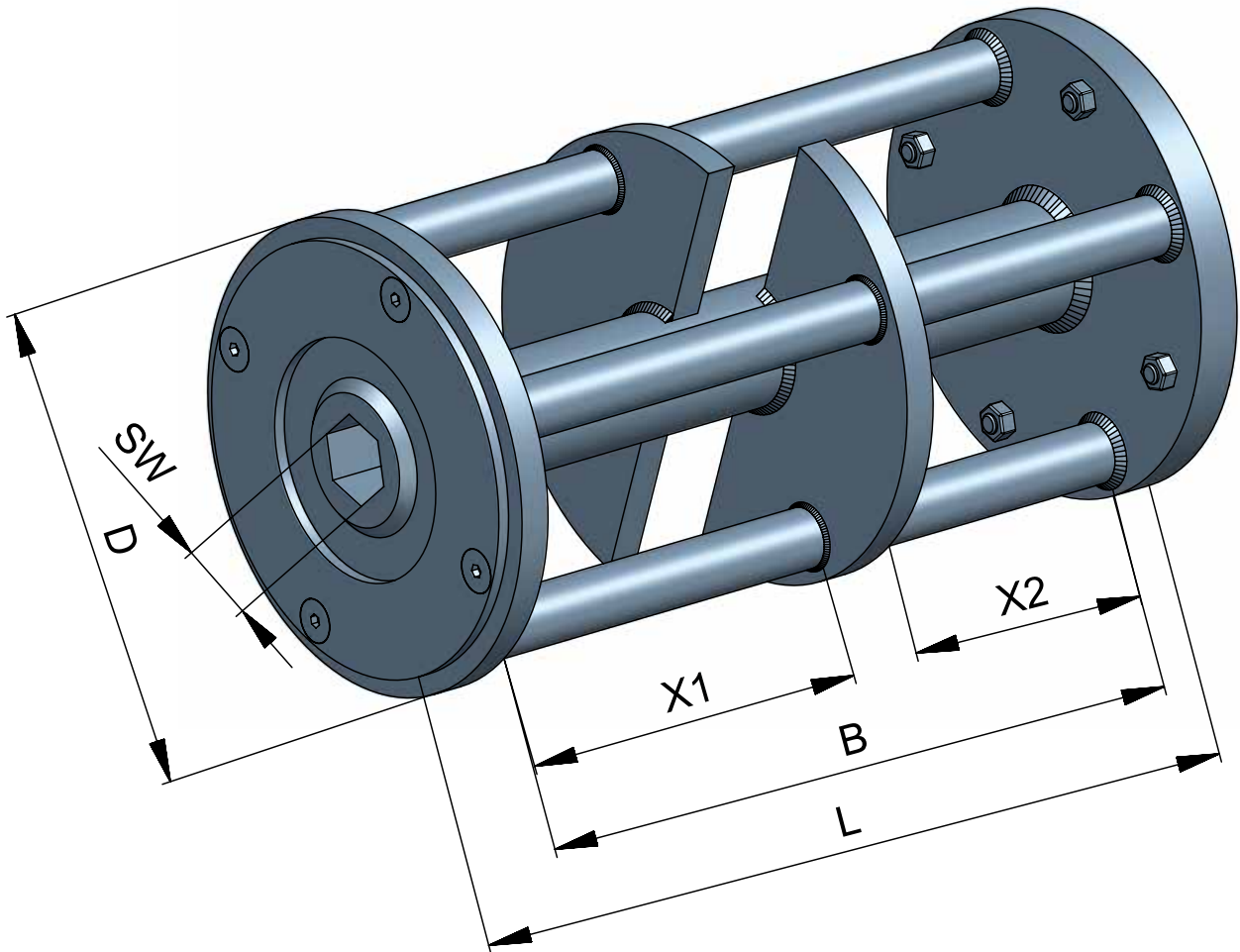
• **SH 22-353**

Article No.	5400027
Ø D	22
L	353

case-hardened 57±3 HRC

DRUMS

► SCARIFIER MACHINES



• DR RT320-5

Article No.	54 00 033
L	380
Ø D	220
SW	36
B	320
X1	
X2	
Ø d	22
n	5

• DR FR300-20

Article No.	54 00 030
L	380
Ø D	210
SW	36
B	300
X1	
X2	
Ø d	20
n	4

• DR VA25S

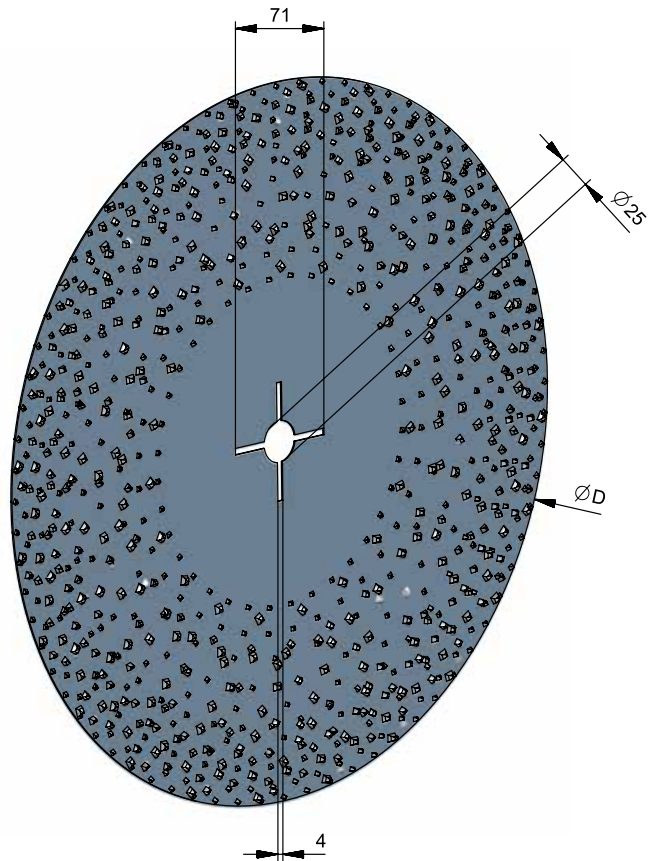
Article No.	54 00 031
L	290
Ø D	160
SW	37
B	250
X1	70
X2	90
Ø d	12
n	6

• DR FR200-12

Article No.	54 00 029
L	223
Ø D	117
SW	19.5
B	201
X1	110.5
X2	82.5
Ø d	12
n	4

GRINDING DISCS

▶ GRINDING MACHINES



ØD 430

• GD 430/25 K36

Article No.	50 78 822
Grain	K36

• GD 430/25 K24

Article No.	50 78 738
Grain	K24

• GD 430/25 K16

Article No.	50 78 737
Grain	K16

• GD 430/25 K14

Article No.	50 79 045
Grain	K14

ØD 400

• GD 400/25 K36

Article No.	50 78 911
Grain	K36

• GD 400/25 K24

Article No.	50 78 910
Grain	K24

• GD 400/25 K16

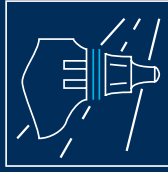
Article No.	50 78 909
Grain	K16

• GD 400/25 K14

Article No.	50 79 048
Grain	K14

→ SITEK

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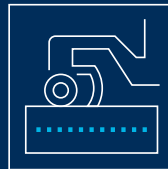
SURFACE TECHNOLOGIES

- ROAD MILLING
- SURFACE MINING
- STABILISING



UNDERGROUND TECHNOLOGIES

- FOUNDATION DRILLING
- MINING
- TRENCHING
- TUNGSTUDS
- DRUM CUTTERS



ENVIRONMENTAL TECHNOLOGIES

- AGRICULTURE
- GRADER TOOLS
- FORESTRY & RECYCLING



INDUSTRIAL TECHNOLOGIES

- CRUSHING & MIXING
- TUNGSTEN CARBIDE
- RAIL TRACK CONSTRUCTION
- INDUSTRIAL SOLUTIONS



→ SITEK A BETEK BRAND

- TIRE STUDS
- SCARIFIER CUTTERS
- POLE TIPS
- HORSESHOE TIPS



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