

*production-tools-distribution
production-tools-distribution*

production-tools-distribution



Solid carbide end mill, **DIN 6527** - short type

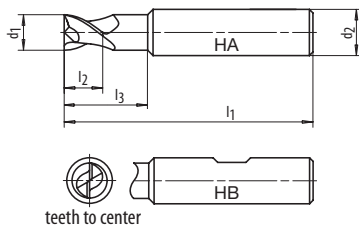
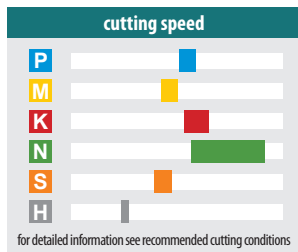


SEH422867

HA DIN 6535	2 EDGES	30° HELIX	PVD COATING
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SEH422807

HB DIN 6535	2 EDGES	30° HELIX	PVD COATING
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[illegible]

Solid carbide end mill, **DIN 6527** - long type

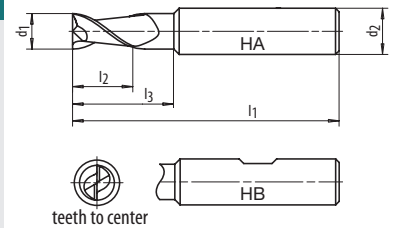
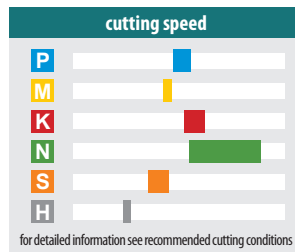


SEH422860

HA DIN 6535	2 EDGES	30° HELIX	PVD COATING
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SEH422808

HB DIN 6535	2 EDGES	30° HELIX	PVD COATING
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Ø	d1 h10 (*e8) (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
2,00	2,00*	57	6	11,50	6,00
2,50	2,50	57	7	12,00	6,00
3,00	3,00*	57	7	13,00	6,00
3,50	3,50	57	7	14,00	6,00
4,00	4,00*	57	8	15,00	6,00
4,50	4,50	57	8	16,00	6,00
5,00	5,00*	57	10	17,00	6,00
5,50	5,50	57	10	18,00	6,00
6,00	6,00*	57	10	-	6,00
6,50	6,50	63	13	22,00	8,00
7,00	7,00	63	13	23,00	8,00
7,50	7,50	63	16	24,00	8,00
8,00	8,00*	63	16	-	8,00
8,50	8,50	72	16	27,00	10,00
9,00	9,00	72	16	28,00	10,00
9,50	9,50	72	19	29,00	10,00
10,00	10,00*	72	19	-	10,00
11,00	11,00	83	22	34,00	12,00
12,00	12,00*	83	22	-	12,00
13,00	13,00	83	22	34,00	14,00
14,00	14,00*	83	22	-	14,00
15,00	15,00	92	26	40,00	16,00
16,00	16,00*	92	26	-	16,00
20,00	20,00*	104	32	-	20,00

Solid carbide end mill, **DIN 6527** - short type

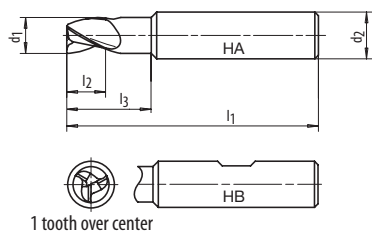
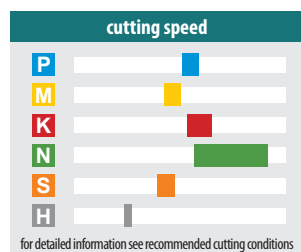


SEH422861

HA DIN 6535	3 EDGES	30° HELIX	PVD COATING
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SEH422809

HB DIN 6535	3 EDGES	30° HELIX	PVD COATING
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[illegible]

Solid carbide end mill, **DIN 6527** - long type

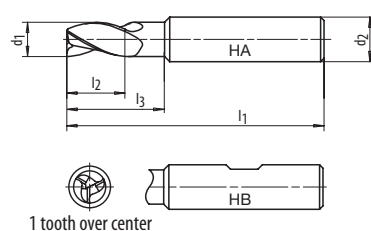
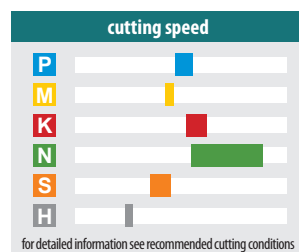


SEH422862

HA **3** **30°** **PVD**
DIN 6535 **EDGES** **HELIX** **COATING**

SEH422810

HB DIN 6535	3 EDGES	30° HELIX	PVD COATING
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Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
2,00	2,00	57	6	11,50	6,00
2,50	2,50	57	7	12,00	6,00
3,00	3,00	57	7	13,00	6,00
3,50	3,50	57	7	14,00	6,00
4,00	4,00	57	8	15,00	6,00
4,50	4,50	57	8	16,00	6,00
5,00	5,00	57	10	17,00	6,00
5,50	5,50	57	10	18,00	6,00
6,00	6,00	57	10	-	6,00
6,50	6,50	63	13	22,00	8,00
7,00	7,00	63	13	23,00	8,00
7,50	7,50	63	16	24,00	8,00
8,00	8,00	63	16	-	8,00
8,50	8,50	72	16	27,00	10,00
9,00	9,00	72	16	28,00	10,00
9,50	9,50	72	19	29,00	10,00
10,00	10,00	72	19	-	10,00
11,00	11,00	83	22	34,00	12,00
12,00	12,00	83	22	-	12,00
13,00	13,00	83	22	34,00	14,00
14,00	14,00	83	22	-	14,00
15,00	15,00	92	26	40,00	16,00
16,00	16,00	92	26	-	16,00
20,00	20,00	104	32	-	20,00

Solid carbide end mill, **DIN 6527** - short type

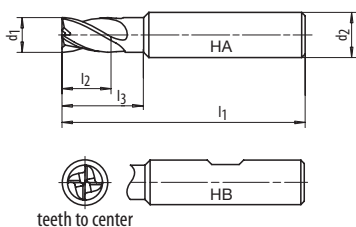
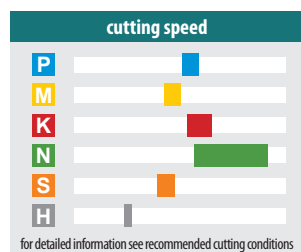


SEH422863

HA DIN 6535	4 EDGES	30° HELIX	PVD COATING
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SEH422811

HB DIN 6535	4 EDGES	30° HELIX	PVD COATING
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[illegible]

Solid carbide end mill, **DIN 6527** - long type

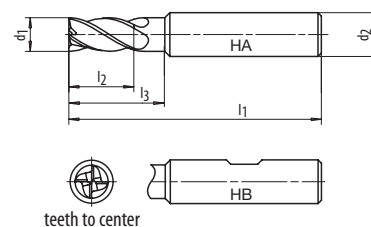
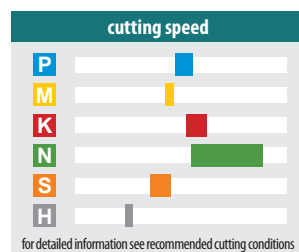


SEH422864

HA DIN 6535	4 EDGES	30° HELIX	PVD COATING
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SEH422812

HB DIN 6535	4 EDGES	30° HELIX	PVD COATING
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Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
2,00	2,00	57	7	11,50	6,00
2,50	2,50	57	8	12,00	6,00
3,00	3,00	57	8	13,00	6,00
3,50	3,50	57	10	14,00	6,00
4,00	4,00	57	11	15,00	6,00
4,50	4,50	57	11	16,00	6,00
5,00	5,00	57	13	17,00	6,00
5,50	5,50	57	13	18,00	6,00
6,00	6,00	57	13	-	6,00
6,50	6,50	63	16	22,00	8,00
7,00	7,00	63	16	23,00	8,00
7,50	7,50	63	19	24,00	8,00
8,00	8,00	63	19	-	8,00
8,50	8,50	72	19	27,00	10,00
9,00	9,00	72	19	28,00	10,00
9,50	9,50	72	22	29,00	10,00
10,00	10,00	72	22	-	10,00
11,00	11,00	83	26	34,00	12,00
12,00	12,00	83	26	-	12,00
13,00	13,00	83	26	34,00	14,00
14,00	14,00	83	26	-	14,00
15,00	15,00	92	32	40,00	16,00
16,00	16,00	92	32	-	16,00
20,00	20,00	104	38	-	20,00

Solid carbide end mill, **DIN 6527** - short type

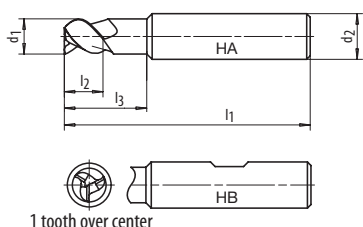
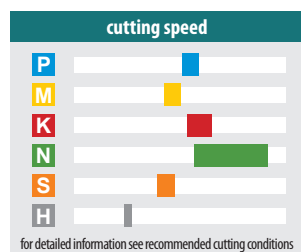


SEH422801

HA DIN 6535	3 EDGES	45° HELIX	PVD COATING
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SEH322802
SEH422802

TICN PVD	HB DIN 6535	3 EDGES	45° HELIX	VAR. COATING
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Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
2,00	2,00	50	3	4,50	6,00
2,50	2,50	50	3	5,00	6,00
3,00	3,00	50	4	6,00	6,00
3,50	3,50	50	4	7,00	6,00
4,00	4,00	54	5	12,00	6,00
4,50	4,50	54	5	13,00	6,00
5,00	5,00	54	6	14,00	6,00
6,00	6,00	54	7	-	6,00
7,00	7,00	58	8	18,00	8,00
8,00	8,00	58	9	-	8,00
9,00	9,00	66	10	22,00	10,00
10,00	10,00	66	11	-	10,00
12,00	12,00	73	12	-	12,00
14,00	14,00	75	14	-	14,00
16,00	16,00	82	16	-	16,00
18,00	18,00	84	18	-	18,00
20,00	20,00	92	20	-	20,00

Solid carbide end mill, **DIN 6527** - long type

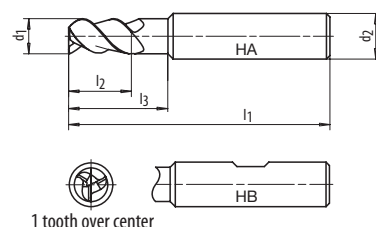
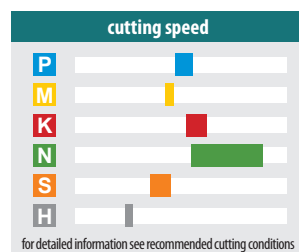


SEH422804

HA DIN 6535	3 EDGES	45° HELIX	PVD COATING
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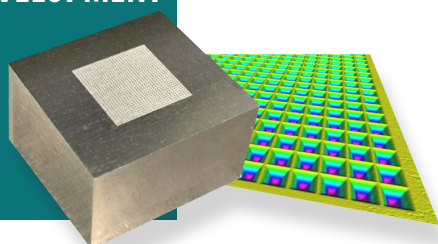
SEH322806
SEH422806

TICN PVD	HB DIN 6535	3 EDGES	45° HELIX	VAR. COATING
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Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
2,00	2,00	57	6	11,50	6,00
2,50	2,50	57	7	12,00	6,00
3,00	3,00	57	7	13,00	6,00
3,50	3,50	57	7	14,00	6,00
4,00	4,00	57	8	15,00	6,00
4,50	4,50	57	8	16,00	6,00
5,00	5,00	57	10	17,00	6,00
6,00	6,00	57	10	-	6,00
7,00	7,00	63	13	23,00	8,00
8,00	8,00	63	16	-	8,00
9,00	9,00	72	16	28,00	10,00
10,00	10,00	72	19	-	10,00
12,00	12,00	83	22	-	12,00
14,00	14,00	83	22	-	14,00
16,00	16,00	92	26	-	16,00
20,00	20,00	104	32	-	20,00

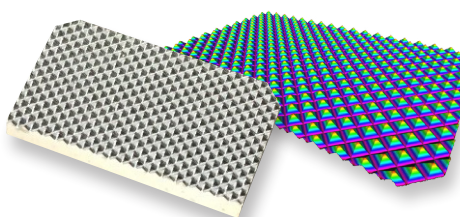
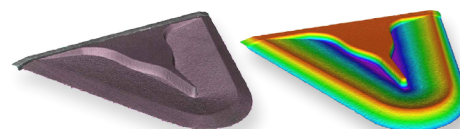
RESEARCH AND DEVELOPMENT



HOFMEISTER s.r.o. offers cooperation options in the field of laser micromachining.

MULTI AXIS LASER MICROMACHINING

- Comprehensive laser production of micro particles with a max. diameter of less than 1 mm.
- Micromachining of miniature 3D shapes.
- Surface microstructuring and production of deeper reliefs.
- Microcutting along 2D and 3D contours.
- Surface cleaning and polishing.
- Microdrilling of shaped holes.

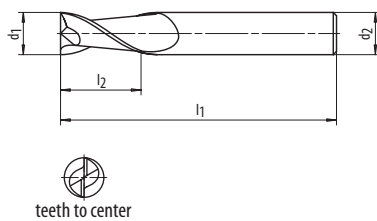
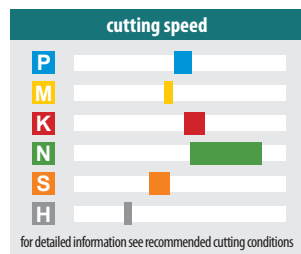


Solid carbide end mill, DIN 6528



SEH422819

HA	2	30°	PVD
DIN 6535	EDGES	HELIX	COATING



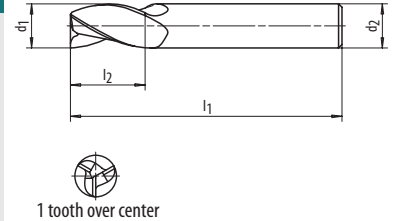
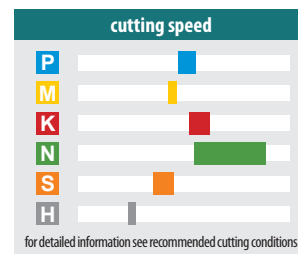
Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
2,00	2,00	32	8	-	2,00
3,00	3,00	32	12	-	3,00
4,00	4,00	50	8	-	4,00
5,00	5,00	50	10	-	5,00
6,00	6,00	57	10	-	6,00
7,00	7,00	60	13	-	7,00
8,00	8,00	63	16	-	8,00
9,00	9,00	67	16	-	9,00
10,00	10,00	72	19	-	10,00
11,00	11,00	83	22	-	11,00
12,00	12,00	83	22	-	12,00
13,00	13,00	83	22	-	13,00
14,00	14,00	83	22	-	14,00
15,00	15,00	92	26	-	15,00
16,00	16,00	92	26	-	16,00
18,00	18,00	92	26	-	18,00
20,00	20,00	104	32	-	20,00

Solid carbide end mill, DIN 6528



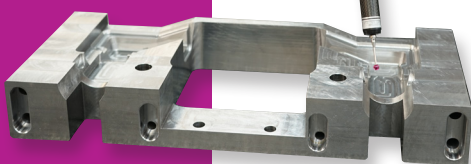
SEH422821

HA	3	30°	PVD
DIN 6535	EDGES	HELIX	COATING



Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
2,00	2,00	32	8	-	2,00
3,00	3,00	32	12	-	3,00
4,00	4,00	50	8	-	4,00
5,00	5,00	50	10	-	5,00
6,00	6,00	57	10	-	6,00
7,00	7,00	60	13	-	7,00
8,00	8,00	63	16	-	8,00
9,00	9,00	67	16	-	9,00
10,00	10,00	72	19	-	10,00
11,00	11,00	83	22	-	11,00
12,00	12,00	83	22	-	12,00
13,00	13,00	83	22	-	13,00
14,00	14,00	83	22	-	14,00
15,00	15,00	92	26	-	15,00
16,00	16,00	92	26	-	16,00
18,00	18,00	92	26	-	18,00
20,00	20,00	104	32	-	20,00

MEASUREMENT AND CONTROL



We offer comprehensive, independent, customized measurement of machine parts. We use the most up-to-date measuring technology.

COMPLEX MEASUREMENT AND CONTROL

- Measurement on coordinate measuring machines.
- Consulting of measurement methodology creation.
- SPC - evaluating the qualification index.
- Optical measurement with the Alicona microscope.
- Measurement of surface roughness (opt./mech.).
- Hardness measurement.
- Cutting tools geometry measurement.

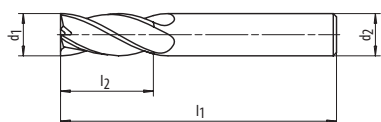
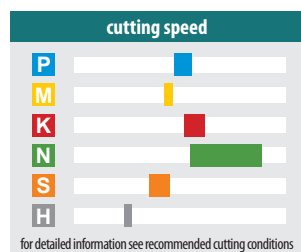


Solid carbide end mill, **DIN 6528**



SEH422825

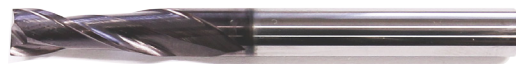
HA DIN 6535	4 EDGES	30° HELIX	PVD COATING
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teeth to center

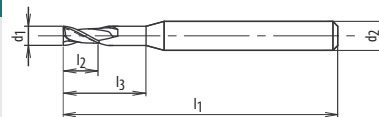
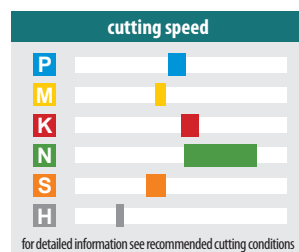
Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
2,00	2,00	32	8	-	2,00
3,00	3,00	32	12	-	3,00
4,00	4,00	50	11	-	4,00
5,00	5,00	50	13	-	5,00
6,00	6,00	57	13	-	6,00
7,00	7,00	60	16	-	7,00
8,00	8,00	63	19	-	8,00
9,00	9,00	67	19	-	9,00
10,00	10,00	72	22	-	10,00
11,00	11,00	83	26	-	11,00
12,00	12,00	83	26	-	12,00
13,00	13,00	83	26	-	13,00
14,00	14,00	83	26	-	14,00
15,00	15,00	92	32	-	15,00
16,00	16,00	92	32	-	16,00
18,00	18,00	92	32	-	18,00
20,00	20,00	104	38	-	20,00

Solid carbide end mill



SEH422857

HA DIN 6535	2 EDGES	30° HELIX	PVD COATING
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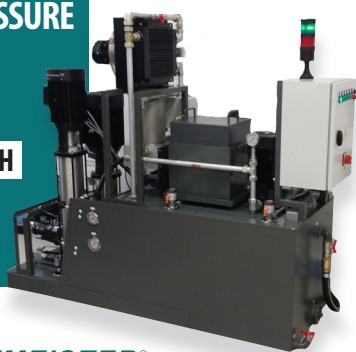


teeth to center

[illegible]

HIGH PRESSURE COOLING

VCH50/10/CH



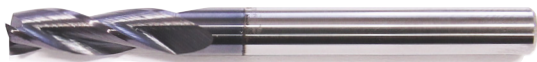
**Fully automatic high pressure cooling
with additional filter and cooler.**

HIGH PRESSURE COOLING VCH50/10/CH

- For cooling of tools during metal machining, with external rinsing and internal central flushing.
- Stainless automatic candle filter for separation of suspended solids from working fluids.
- Cooler of working fluid with possible temperature adjustment by means of the thermostat.
- Can be used when machining steel, aluminum, titanium or copper.

TECHNICAL SPECIFICATION	EMULSION LIQUID
Input of standard machinery	13 kVA / 415 V, 50 Hz
Size of machinery (w/d/h)	1.8 m / 0.65 m / 1.25 m
Weight of machinery (empty/with filling)	400 kg / 750 kg
Automatic candle filter $\leq 40 \mu\text{m}$	up to 100 l/min at 8 bar
Outer cooling pump 1,5 kW: $Q_{\text{max}} = 60 \text{ l/min}$	40 l/min - pressure $p = 10 \text{ bar}$
Inner cooling pump 7,5 kW: $Q_{\text{max}} = 60 \text{ l/min}$	40 l/min - pressure $p = 47 \text{ bar}$
Tank for contaminated fluid	$V = \text{max } 100 \text{ l}$
Tank for refiltered fluid	$V = \text{max } 150 \text{ l}$
Servo valves (4 pcs)	10 bar / 50 bar / 50 bar / 50 bar
Cooler	0.7 kW/°C

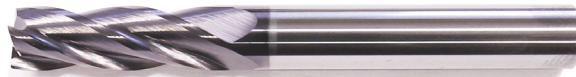
Solid carbide end mill



SEH422858

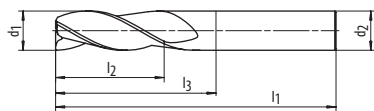
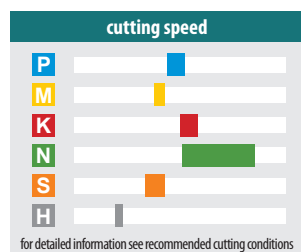
HA	3	30°	PVD
DIN 6535	EDGES	HELIX	COATING

Solid carbide end mill

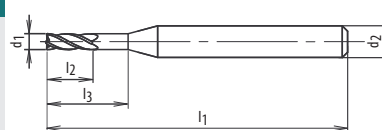
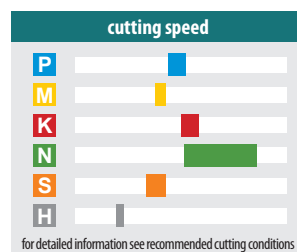


SEH422887

HA	4	30°	PVD
DIN 6535	EDGES	HELIX	COATING



Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
3,00	3,00	57	9	13,00	6,00
4,00	4,00	57	12	15,00	6,00
5,00	5,00	62	15	22,00	6,00
6,00	6,00	62	18	-	6,00
8,00	8,00	68	24	-	8,00
10,00	10,00	80	30	-	10,00
12,00	12,00	93	36	-	12,00
16,00	16,00	108	48	-	16,00
20,00	20,00	126	60	-	20,00



Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
3,00	3,00	57	9	13,00	6,00
4,00	4,00	57	12	15,00	6,00
5,00	5,00	62	15	22,00	6,00
6,00	6,00	62	18	-	6,00
8,00	8,00	68	24	-	8,00
10,00	10,00	80	30	-	10,00
12,00	12,00	93	36	-	12,00
16,00	16,00	108	48	-	16,00
20,00	20,00	126	60	-	20,00
25,00	25,00	150	75	-	25,00

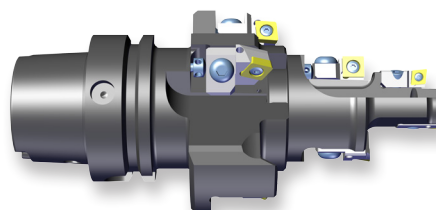
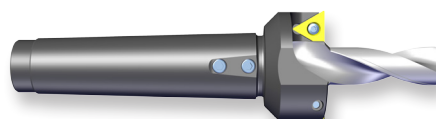
INDEXABLE INSERT TOOLS



Design and production of special indexable insert tools according to customer requirements.

COMPREHENSIVE FINISHING TOOLS

- **Tools with sharpened indexable inserts**
Tools for machining of complex and, at the same time, dimensionally small contours.
- **Combined tools**
Combination of indexable insert tools and VHM (monolithic) tools. VHM tools can be sharpened according to customer requirements. Indexable inserts can be used in unconventional ways.
- **Tools with indexable insert cartridges**
Cartridge tools that allow precise machining of complex shapes. Cartridges can be set simultaneously in both radial and axial directions and can be standard or customized.

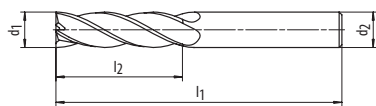
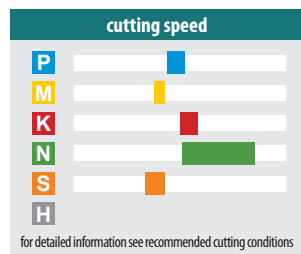


Solid carbide end mill



SEH422816

HA DIN 6535	4 EDGES	30° HELIX	PVD COATING
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Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
3,00	3,00	75	20	-	3,00
4,00	4,00	75	25	-	4,00
5,00	5,00	75	30	-	5,00
6,00	6,00	75	30	-	6,00
8,00	8,00	100	40	-	8,00
10,00	10,00	100	40	-	10,00
12,00	12,00	150	45	-	12,00
14,00	14,00	150	45	-	14,00
16,00	16,00	150	65	-	16,00
18,00	18,00	150	65	-	18,00
20,00	20,00	150	65	-	20,00

Solid carbide HPC end mill

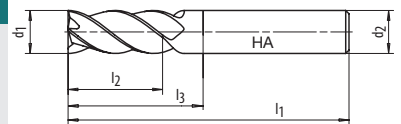
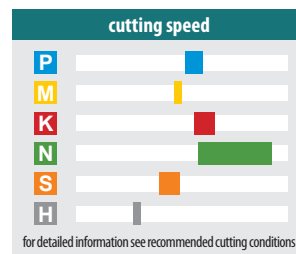


SEH422828

HA DIN 6535	4 EDGES	38° HELIX	PVD COATING
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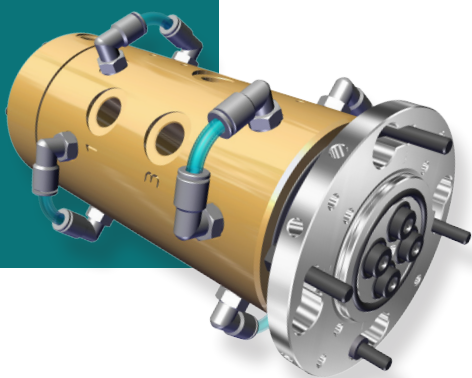
SEH422829

HB DIN 6535	4 EDGES	38° HELIX	PVD COATING
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Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
4,00	4,00	55	11	13,00	6,00
6,00	6,00	57	13	-	6,00
8,00	8,00	63	16	-	8,00
10,00	10,00	72	22	-	10,00
12,00	12,00	83	26	-	12,00
16,00	16,00	92	32	-	16,00
20,00	20,00	104	38	-	20,00

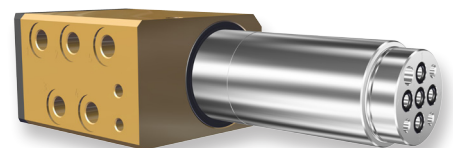
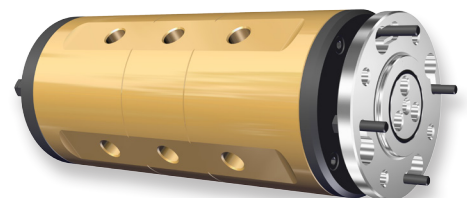
ROTARY UNIONS



Customized solutions for the passage of media through rotating parts of machine using rotary unions, including the design of parts for connection to a particular type of machine tool.

UNIVERSAL ROTARY UNIONS HOFMEISTER

- It serves to transfer media from stationary input to the rotating output (and vice versa) while maintaining pressure and isolation of the fluid from the operating environment.
- The devices work with several independent sources and media types at the same time.
- Solutions for any number of channels and a wide range of speeds are offered.
- **STANDARD** or **SPECIAL** rotary unions are available for customized solutions.



Solid carbide multi-blade end mill, **DIN 6527** - long type

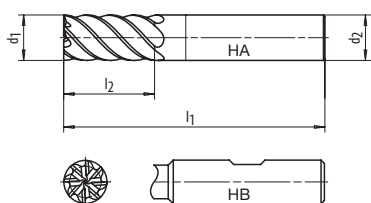
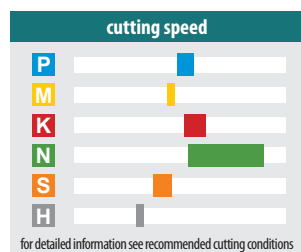


SEH422822

HA	6/8	45°	PVD
DIN 6535	EDGES	HELIX	COATING

SEH422826

HB	6/8	45°	PVD
DIN 6535	EDGES	HELIX	COATING



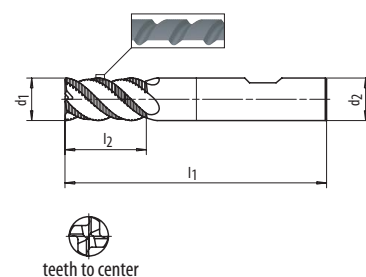
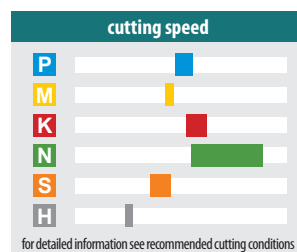
Ø	number of edges	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
6,00	6	6,00	57	13	-	6,00
8,00	6	8,00	63	19	-	8,00
10,00	6	10,00	72	22	-	10,00
12,00	6	12,00	83	26	-	12,00
14,00	6	14,00	83	26	-	14,00
16,00	6	16,00	92	32	-	16,00
20,00	8	20,00	104	38	-	20,00
25,00	8	25,00	121	45	-	25,00

Solid carbide profile multi-blade end mill, **DIN 6527** - long type



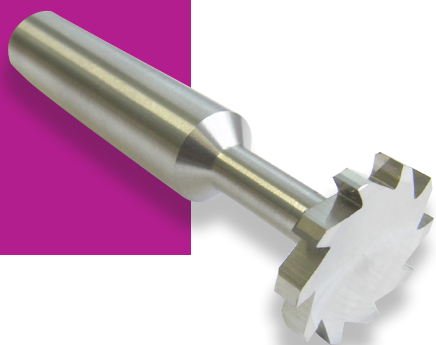
SEH422846

HB	4/6	45°	PVD
DIN 6535	EDGES	HELIX	COATING



Ø	number of edges	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
6,00	4	6,00	57	13	-	6,00
8,00	4	8,00	63	19	-	8,00
10,00	4	10,00	72	22	-	10,00
12,00	4	12,00	83	26	-	12,00
16,00	6	16,00	92	32	-	16,00
20,00	6	20,00	104	38	-	20,00
25,00	6	25,00	121	45	-	25,00

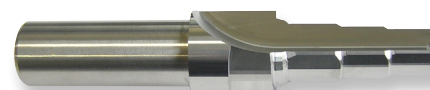
SOLID TOOLS



Production of special solid tools made of cemented carbides, developed in cooperation with customers and their requirements.

MACHINING PROCESS OPTIMIZATION

- Multiple operations merged into a single machining process - reduced process times and production costs.
- Extended tool service life and reliability.
- Improved surface quality while minimizing tool wear.
- Improved quality of machined holes with minimal tolerances.

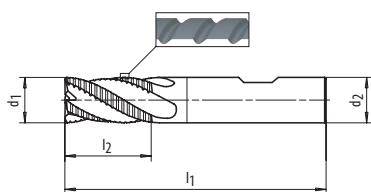
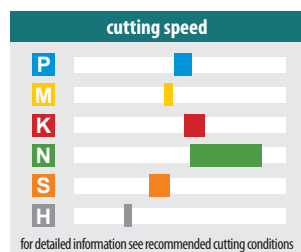


Solid carbide profile end mill



SEH422818

HB DIN 6535	4 EDGES	30° HELIX	PVD COATING
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teeth to center

Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
6,00	6,00	57	13	-	6,00
8,00	8,00	63	19	-	8,00
10,00	10,00	72	22	-	10,00
12,00	12,00	83	26	-	12,00
16,00	16,00	92	32	-	16,00
20,00	20,00	104	38	-	20,00

Solid carbide profile end mill - long type

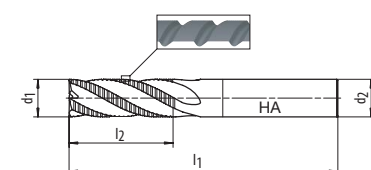
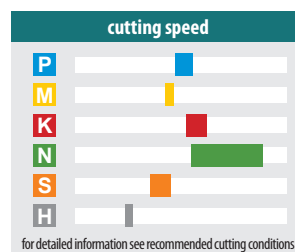


SEH422820

HA DIN 6535	4 EDGES	30° HELIX	PVD COATING
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SEH422824

HB DIN 6535	4 EDGES	30° HELIX	PVD COATING
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teeth to center

Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
6,00	6,00	62	18	-	6,00
8,00	8,00	68	24	-	8,00
10,00	10,00	80	30	-	10,00
12,00	12,00	93	36	-	12,00
16,00	16,00	108	48	-	16,00
20,00	20,00	126	60	-	20,00
25,00	25,00	150	75	-	25,00

CAROUSEL MINI

ROTARY MODULAR CABINET SYSTEM



CAROUSEL MINI A UNIQUE CABINET STORAGE SYSTEM FOR TOOLS

This cabinet is designed (and equipped with various gripping systems) for storing and managing tools for large machining centers, fasteners and hand tools. CAROUSEL MINI is a reduced, lighter version of the CAROUSEL system, suitable for connection to other parts of this cabinet system as a connecting unit.



Discover other HOFMEISTER CAROUSEL storage cabinets at www.carousel.cz



www.carousel.cz

Solid carbide aluminium end mill, **DIN 6527** - long type

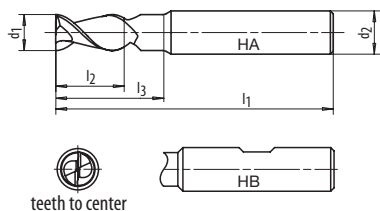
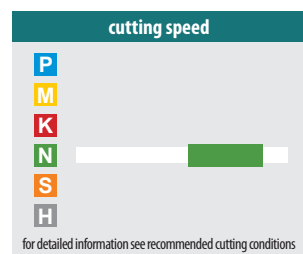


SEH022814

HA DIN 6535	2 EDGES	45° HELIX	- COATING
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SEH022817

HB DIN 6535	2 EDGES	45° HELIX	- COATING
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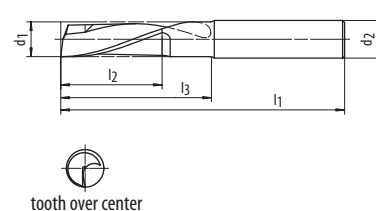
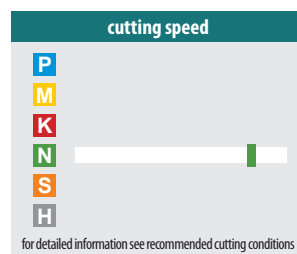
Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
4,00	4,00	57	8	15,00	6,00
5,00	5,00	57	10	17,00	6,00
6,00	6,00	57	10	-	6,00
8,00	8,00	63	16	-	8,00
10,00	10,00	72	19	-	10,00
12,00	12,00	83	22	-	12,00
16,00	16,00	92	26	-	16,00

Solid carbide plastic single-blade end mill



SEH022853

HA DIN 6535	1 EDGES	30° HELIX	- COATING
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Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
2,00	2,00	50	12	16,00	4,00
3,00	3,00	50	18	18,00	4,00
4,00	4,00	65	24	23,00	6,00
5,00	5,00	75	30	35,00	6,00
6,00	6,00	80	36	-	6,00
8,00	8,00	100	48	-	8,00
10,00	10,00	120	60	-	10,00
12,00	12,00	135	72	-	12,00

TOOL VENDING MACHINES



HOFMEISTER vending machines are designed for dispensing tools and parts. The inventory of dispenses is made by a connected computer.

IT BRINGS YOU THESE BENEFITS

- Warehouseman's or foreman's time spared.
- Nonstop dispense.
- Simple handling.
- A perfect overview of stored tools and parts.
- An overview of tools consumption by individual employees (for comparison).
- Possibility of restricting the dispense of special products to various employees.
- Tools dispensed only when really needed.
- Increased security against stealing tools.

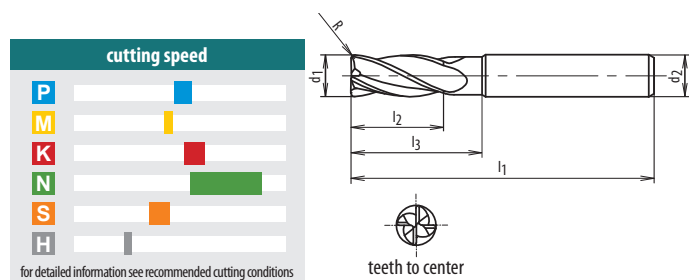


Solid carbide torus end mill



SEH722825

HA DIN 6535	4 EDGES	30° HELIX	PVD COATING
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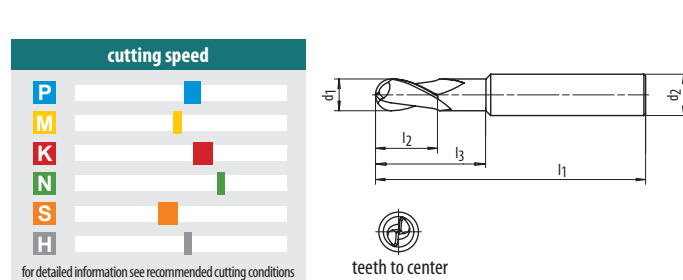
Ø	R	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
4,00	0,25	4	50	11	-	4
4,00	0,5	4	50	11	-	4
4,00	1,0	4	50	11	-	4
5,00	0,5	5	50	13	-	5
5,00	1,0	5	50	13	-	5
5,00	1,5	5	50	13	-	5
6,00	0,5	6	57	13	-	6
6,00	1,0	6	57	13	-	6
6,00	1,5	6	57	13	-	6
6,00	2,0	6	57	13	-	6
8,00	0,5	8	63	19	-	8
8,00	1,0	8	63	19	-	8
8,00	1,5	8	63	19	-	8
8,00	2,0	8	63	19	-	8
10,00	0,5	10	72	22	-	10
10,00	1,0	10	72	22	-	10
10,00	1,5	10	72	22	-	10
10,00	2,0	10	72	22	-	10
12,00	0,5	12	84	26	-	12
12,00	1,0	12	84	26	-	12
12,00	1,5	12	84	26	-	12
12,00	2,0	12	84	26	-	12
16,00	0,5	16	92	32	-	16
16,00	1,0	16	92	32	-	16
16,00	1,5	16	92	32	-	16
16,00	2,0	16	92	32	-	16
16,00	2,5	16	92	32	-	16
20,00	0,5	20	104	38	-	20
20,00	1,0	20	104	38	-	20
20,00	1,5	20	104	38	-	20
20,00	2,0	20	104	38	-	20
20,00	2,5	20	104	38	-	20

Solid carbide ball nose end mill, **DIN 6527** - long type



SEH422865

HA DIN 6535	2 EDGES	30° HELIX	PVD COATING
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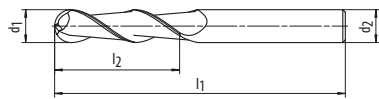
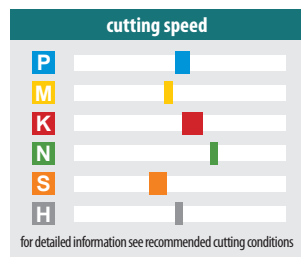
[illegible]

Solid carbide ball nose end mill



SEH422835

HA DIN 6535	2 EDGES	30° HELIX	PVD COATING
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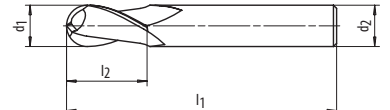
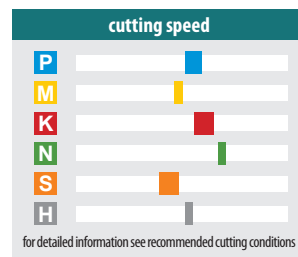
Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
3,00	3,00	75	20	-	3,00
4,00	4,00	75	25	-	4,00
5,00	5,00	75	30	-	5,00
6,00	6,00	75	30	-	6,00
8,00	8,00	100	40	-	8,00
10,00	10,00	100	40	-	10,00
12,00	12,00	150	45	-	12,00
16,00	16,00	150	65	-	16,00

Solid carbide ball nose end mill, DIN 6528



SEH422838

HA DIN 6535	2 EDGES	30° HELIX	PVD COATING
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Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
2,00	2,00	32	6	-	2,00
3,00	3,00	32	7	-	3,00
4,00	4,00	50	8	-	4,00
5,00	5,00	50	10	-	5,00
6,00	6,00	57	10	-	6,00
8,00	8,00	63	16	-	8,00
10,00	10,00	72	19	-	10,00
12,00	12,00	83	22	-	12,00
14,00	14,00	83	22	-	14,00
16,00	16,00	92	26	-	16,00
18,00	18,00	92	26	-	18,00
20,00	20,00	104	32	-	20,00

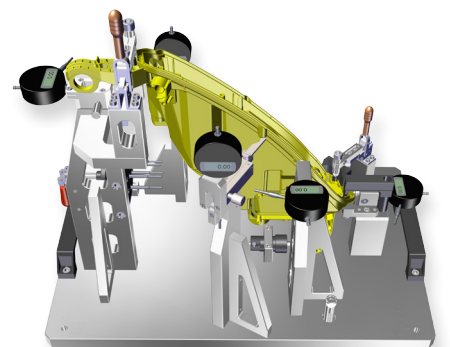
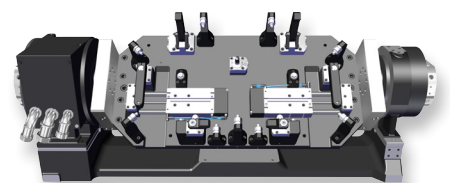
SPECIAL FIXTURES



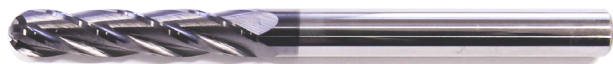
Support of customer's production process through special fixtures of our own design and production.

FIXTURES

- **Clamping fixtures**
Mainly for machining in hydraulic, pneumatic and mechanical execution. For turning and milling operations.
- **Assembly fixtures**
For repeated, robotic assembly operations with minimization of unintentional mistakes.
- **Measurement fixtures**
For in-production input control or quality control of complicated parts.

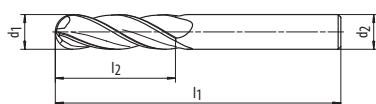
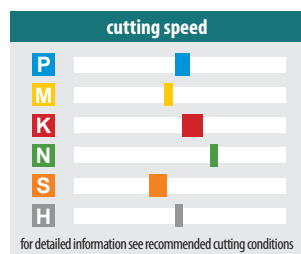


Solid carbide ball nose end mill



SEH422845

HA DIN 6535	4 EDGES	30° HELIX	PVD COATING
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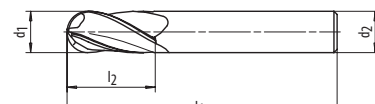
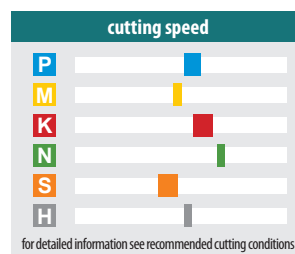
Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
3,00	3,00	75	20	-	3,00
4,00	4,00	75	25	-	4,00
5,00	5,00	75	30	-	5,00
6,00	6,00	75	30	-	6,00
8,00	8,00	100	40	-	8,00
10,00	10,00	100	40	-	10,00
12,00	12,00	150	45	-	12,00
16,00	16,00	150	65	-	16,00

Solid carbide ball nose end mill, DIN 6528



SEH422848

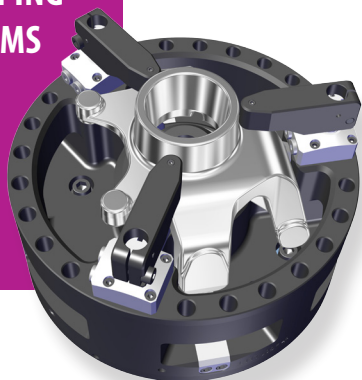
HA DIN 6535	4 EDGES	30° HELIX	PVD COATING
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Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
2,00	2,00	32	7	-	2,00
3,00	3,00	32	8	-	3,00
4,00	4,00	50	11	-	4,00
5,00	5,00	50	13	-	5,00
6,00	6,00	57	13	-	6,00
8,00	8,00	63	19	-	8,00
10,00	10,00	72	22	-	10,00
12,00	12,00	83	26	-	12,00
14,00	14,00	83	26	-	14,00
16,00	16,00	92	32	-	16,00
18,00	18,00	92	32	-	18,00
20,00	20,00	104	38	-	20,00

KOSMEK CLAMPING SYSTEMS

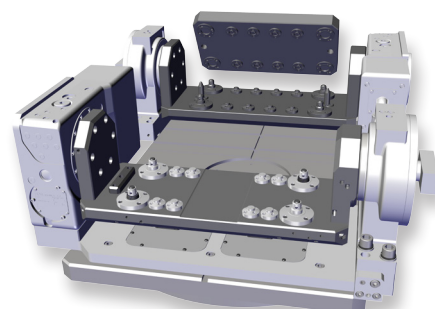
KOSMEK
Harmony in Innovation



Unique and high-performance clamping and automation technology KOSMEK. HOFMEISTER is the exclusive distributor of the Japanese brand KOSMEK for the Czech Republic and the Slovak Republic.

KOSMEK COMPONENTS

- **Clamping**
Patented clamping with low-pressure high force hydraulic or pneumatic clamps. Unmatched adaptive hydraulic supports.
- **Precise positioning**
Unique zero point system and repeated pallet exchange system.
- **Fixtures automation**
High precision robotic tool changers. Wide range of non-drip quick couplings and hydraulic accessories.

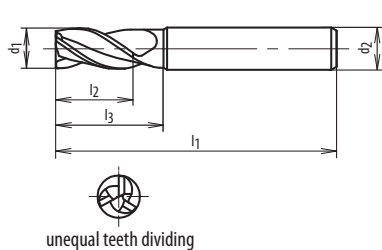
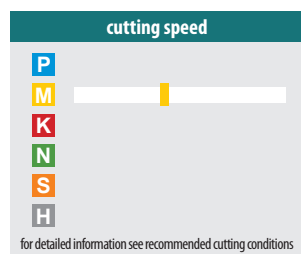


Solid carbide end mill for stainless steel



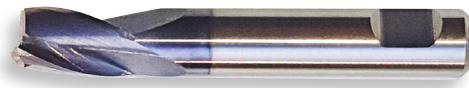
SEH620101

HA	3	35°	PVD
DIN 6535	EDGES	HELIX	COATING



Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
3,00	3,00	54	7	10,00	6,00
4,00	4,00	54	9	12,00	6,00
5,00	5,00	54	9	14,00	6,00
6,00	6,00	54	12	-	6,00
8,00	8,00	58	15	-	8,00
10,00	10,00	66	18	-	10,00
12,00	12,00	73	20	-	12,00
16,00	16,00	82	25	-	16,00
20,00	20,00	92	30	-	20,00
25,00	25,00	108	35	-	25,00

Solid carbide end mill NINA

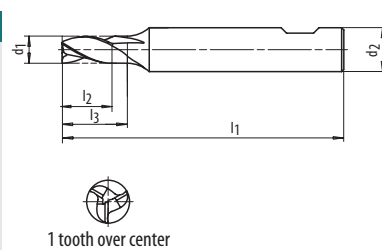
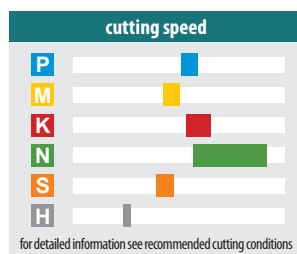


SEH423001

HB	3	30°	PVD
DIN 6535	EDGES	HELIX	COATING

SEH323001

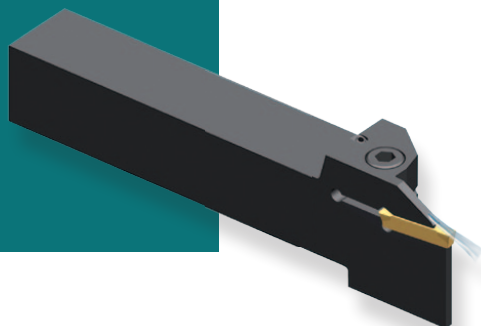
HB	3	30°	TICN
DIN 6535	EDGES	HELIX	COATING



Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
2,00	2,00	38	4	5,00	6,00
3,00	3,00	38	5	5,30	6,00
4,00	4,00	38	7	7,30	6,00
5,00	5,00	38	8	8,30	6,00
6,00	6,00	38	8	-	6,00
8,00	8,00	43	11	-	8,00
10,00	10,00	50	13	-	10,00
12,00	12,00	55	15	-	12,00

**KEMMER
TOOLS**

KEMMER
HARTMETALLWERKZEUGE GmbH

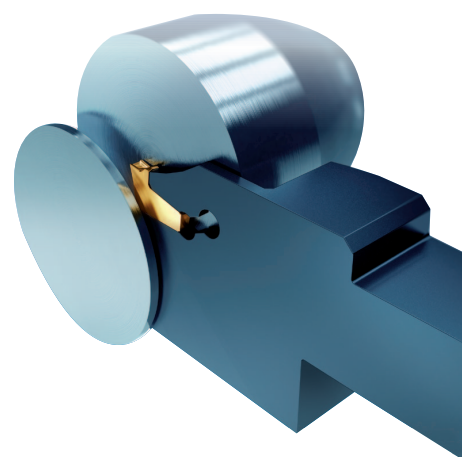


German company specialized mainly in the production of standard and special grooving and parting tools. The product line includes high quality tools and systems for the following applications:

KEMMER HARTMETALLWERKZEUGE

- Parting
- Grooving
- Precise grooving
- Threading
- Groove turning
- GripLock modular system
- Shape grooving
- Grooving and parting of heat treated materials
- Circular milling
- Special tools
- Micro-tools

GripLock®

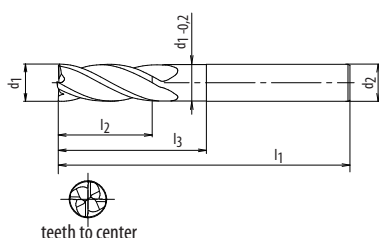
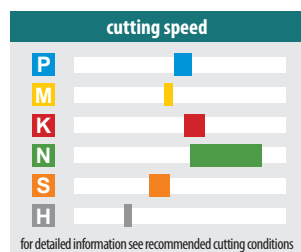


Solid carbide end mill - lightweight, DIN 6528



SEH422895

HA DIN 6535	4 EDGES	30° HELIX	PVD COATING
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Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
6,00	6,00	57	13	21	6,00
7,00	7,00	60	16	24	7,00
8,00	8,00	63	19	27	8,00
9,00	9,00	67	19	27	9,00
10,00	10,00	72	22	32	10,00
11,00	11,00	83	26	38	11,00
12,00	12,00	83	26	38	12,00
13,00	13,00	83	26	38	13,00
14,00	14,00	83	26	38	14,00
15,00	15,00	92	32	44	15,00
16,00	16,00	92	32	44	16,00
18,00	18,00	92	32	44	18,00
20,00	20,00	104	38	54	20,00

Solid carbide HPC end mill - lightweight

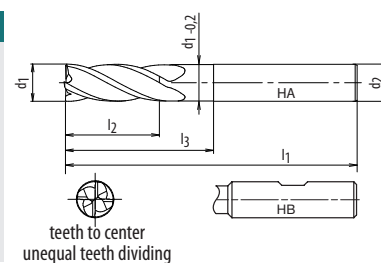
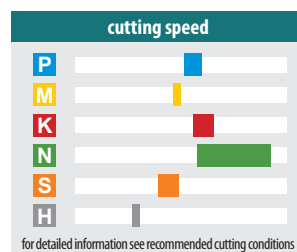


SEH422898

HA DIN 6535	4 EDGES	38° HELIX	PVD COATING
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SEH422899

HB DIN 6535	4 EDGES	38° HELIX	PVD COATING
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Ø	d1 h10 (mm)	l1 (mm)	l2 (mm)	l3 min (mm)	d2 h6 (mm)
6,00	6,00	57	13	21	6,00
8,00	8,00	63	16	27	8,00
10,00	10,00	72	22	32	10,00
12,00	12,00	83	26	38	12,00
16,00	16,00	92	32	44	16,00
20,00	20,00	104	38	54	20,00

**AVANTEC
TOOLS**



German company specialized mainly in the production of standard and special milling tools. The motto is the letter Q and symbolizes the main principle of AVANTEC tools: precision, perfect chip evacuation, long tool life, machine friendliness and maximum volume of milled material per time unit.

THE AVANTEC PROGRAM INCLUDES:

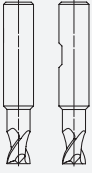
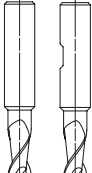
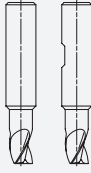
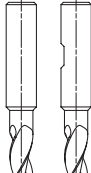
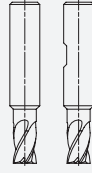
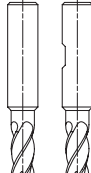
- Shank end mills
- Shoulder milling cutters
- Shell end mills
- Face milling cutters
- Side-, slot milling cutters
- Copy milling cutters
- T-slot and circular milling cutters

MAXIMUM Q FOR YOUR SUCCESS



RECOMMENDED CUTTING CONDITIONS

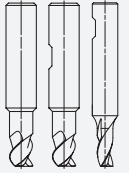
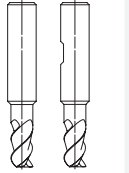
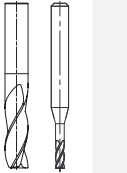
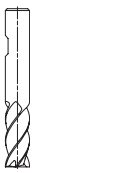
RANGE OF DIAMETERS
NUMBER OF TEETH
HELIX ANGLE
SHANK
CUTTING MATERIAL
COATING

SEH422867	SEH422860	SEH422861	SEH422862	SEH422863	SEH422864
SEH422807	SEH422808	SEH422809	SEH422810	SEH422811	SEH422812
					
2-20	2-20	2-20	2-20	2-20	2-20
2	2	3	3	4	4
30°	30°	30°	30°	30°	30°
HA/HB	HA/HB	HA/HB	HA/HB	HA/HB	HA/HB
K30F	K30F	K30F	K30F	K30F	K30F
PVD	PVD	PVD	PVD	PVD	PVD
cutting speed	feed grade	cutting speed	feed grade	cutting speed	feed grade
155	2	135	2	155	2
150	2	130	2	150	2
145	2	125	2	145	2
130	2	115	2	130	2
125	2	110	2	125	2
145	2	125	2	145	2
130	2	115	2	130	2
125	2	110	2	125	2
120	2	105	2	120	2
115	2	100	2	115	2
105	2	90	2	105	2
100	1	85	1	100	1
90	1	80	1	90	1
80	1	70	1	80	1
205	2	180	2	205	2
180	2	155	2	180	2
180	2	155	2	180	2
150	2	130	2	150	2
150	2	130	2	150	2
130	2	115	2	130	2
690	3	600	3	690	3
720	3	625	3	720	3
780	3	680	3	780	3
780	3	680	3	780	3
720	3	625	3	720	3
755	3	655	3	755	3
240	3	210	3	240	3
270	3	235	3	270	3
225	3	195	3	225	3
150	3	130	3	150	3
165	3	145	3	165	3
195	3	170	3	195	3
255	3	220	3	255	3
80	1	70	1	80	1
80	1	70	1	80	1
75	1	65	1	75	1
70	1	60	1	70	1
60	1	50	1	60	1
90	1	80	1	90	1
75	1	65	1	75	1
30	1	30	1	30	1
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

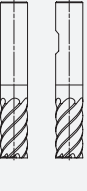
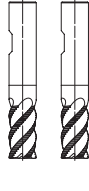
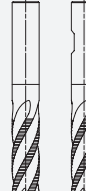
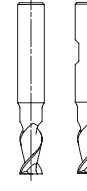
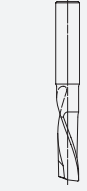
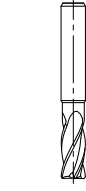
GROUP OF MATERIAL	EXAMPLE
P Carbon steels	
up to 450 N/mm ²	C15, St37-3, 9SMn28
up to 650 N/mm ²	C45, 16Mo5, 15Mo3
up to 850 N/mm ²	St50-2, 16CrMo4, 12CrMo19.5
up to 950 N/mm ²	St60-2, C55, C60, C105 W1
up to 1 100 N/mm ²	St70-2, 51CrMoV4, 42CrV6
P Low alloy steels	
up to 600 N/mm ²	100Cr6, 51CrV4, 16MnCr5
up to 950 N/mm ²	100Cr2, 36NiCr6, 31NiCr14
up to 1 100 N/mm ²	41CrAlMo7, 39CrMoV13.9
up to 1 300 N/mm ²	40CrMnMo7, X50CrMnNiNbN21.9
P High alloy steels	
up to 700 N/mm ²	X38CrMoV5.1, X40CrMoV5.1
up to 1 150 N/mm ²	S 12-1-4-5, S 10-4-3-10
M Stainless steels	
ferritic/martensitic	1.4021, 1.4305, 1.4448
martensitic	1.4034, 1.4057, 1.4125
austenitic/ferritic	1.4301, 1.4311, 1.4404
K Cast irons	
grey cast irons up to 180 HB	GG10, GG15
grey cast irons up to 260 HB	GG20, GG25, GG30
ductile cast irons up to 160 HB	GGG35, GGG40, GGG50
ductile cast irons up to 160 HB	GGG60, GGG70
malleable cast irons up to 130 HB	GTW-40, GTW-45, GTW-55
malleable cast irons up to 230 HB	GTW-35, GTS-55, GTS-65
N Aluminum alloys	
Al formable alloys up to 250 N/mm ²	Al99.5, AlMg1
Al formable alloys up to 350 N/mm ²	AlCuSiPb, G-AlCu5Ni1.5
Al alloys ≤ 12 % Si up to 250 N/mm ²	G-AlSi9Mg, G-AlSi10Mg
Al alloys ≤ 12 % Si up to 300 N/mm ²	G-AlCu4TiMg, G-AlSi7Mg
Al alloys ≥ 12 % Si up to 450 N/mm ²	G-AlSi17Cu4, G-AlSi21CuNiMg
magnesium	MgMn2, CrMgAl8Zn1
N Copper and copper alloys	
free-cutting copper alloys, Pb > 1 %	G-CuSn7Zn2Pb, G-CuPb10Sn
bronze, brass	CuZn15, CuZn30, CuCrZr
copper, lead-free and electrolytic copper	CuAl10Ni5Fe4, G-CuAl10Ni
N Plastics	
thermosetting plastics, thermoplastics	Bakelit, Responal, Novodur
fiber-reinforced plastics	CFK, GFK, AFK
hardened rubber, wood	
N Graphite	EDM3
S Heat-resistant alloys	
Fe based up to 650 N/mm ²	1.4558, 1.4562, 1.4563
Fe based up to 750 N/mm ²	1.4958, 1.4977
Cr-Ni based up to 800 N/mm ²	Monel 400, Hastelloy C-4
Cr-Ni based up to 950 N/mm ²	Inconel X-750, Hastelloy B
Cr-Ni based up to 1 100 N/mm ²	Monel K-500, Inconel 718
S Titanium and titanium alloys	
pure Ti and Ti alloys up to 850 N/mm ²	Ti1, TiCu2, TiAl3V2.5
Ti alloys up to 1 200 N/mm ²	TiAl5Sn2, TiAl6V4, TiAl6V6Sn2
H Hardened steels	
steel 40-48 HRC	
steel 48-56 HRC	
steel 56-65 HRC	
hardened cast irons up to 48 HRC	G-X260NiCr4.2, G-X330NiCr4.2

RECOMMENDED CUTTING CONDITIONS

RANGE OF DIAMETERS
NUMBER OF TEETH
HELIX ANGLE
SHANK
CUTTING MATERIAL
COATING

SEH422801	SEH422804	SEH422819	SEH422857	SEH422816	SEH422828
SEH422802	SEH422806	SEH422821	SEH422858		SEH422829
SEH322802	SEH322806	SEH422825	SEH422887		SEH422898
SEH423001		SEH422895			SEH422899
SEH323001					
					
2-20	2-20	2-20	3-25	3-20	4-20
3	3	2; 3; 4	2; 3; 4	4	4
45° / 30° NINA	45°	30°	30°	30°	38°
HA/HB	HA/HB	HA	HA	HA	HA/HB
K30F	K30F	K30F	K30F	K30F	K33F
PVD / TiCN	PVD / TiCN	PVD	PVD	PVD	PVD
cutting speed	feed grade	cutting speed	feed grade	cutting speed	feed grade
155	2	135	2	135	2
150	2	130	2	110	2
145	2	125	2	105	2
130	2	115	2	100	2
125	2	110	2	95	2
145	2	125	2	105	2
130	2	115	2	100	2
125	2	110	2	95	2
120	2	105	2	90	2
115	2	100	2	85	2
105	2	90	2	75	2
100	1	85	1	70	1
90	1	80	1	65	1
80	1	70	1	55	1
205	2	180	2	155	2
180	2	155	2	130	2
180	2	155	2	130	2
150	2	130	2	110	2
150	2	130	2	110	2
130	2	115	2	100	2
690	3	600	3	510	3
720	3	625	3	530	3
780	3	680	3	580	3
780	3	680	3	580	3
720	3	625	3	530	3
755	3	655	3	555	3
240	3	210	3	180	3
270	3	235	3	200	3
225	3	195	3	165	3
150	3	130	3	110	3
165	3	145	3	125	3
195	3	170	3	145	3
255	3	220	3	185	3
80	1	70	1	60	1
80	1	70	1	60	1
75	1	65	1	55	1
70	1	60	1	50	1
60	1	50	1	45	1
90	1	80	1	70	1
75	1	65	1	55	1
30	1	30	1	25	1
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

GROUP OF MATERIAL	EXAMPLE
P Carbon steels	
up to 450 N/mm ²	C15, St37-3, 9SMn28
up to 650 N/mm ²	C45, 16Mo5, 15Mo3
up to 850 N/mm ²	St50-2, 16CrMo4, 12CrMo19.5
up to 950 N/mm ²	St60-2, C55, C60, C105 W1
up to 1 100 N/mm ²	St70-2, 51CrMoV4, 42CrV6
P Low alloy steels	
up to 600 N/mm ²	100Cr6, 51CrV4, 16MnCr5
up to 950 N/mm ²	100Cr2, 36NiCr6, 31NiCr14
up to 1 100 N/mm ²	41CrAlMo7, 39CrMoV13.9
up to 1 300 N/mm ²	40CrMnMo7, X50CrMnNiNbN21.9
P High alloy steels	
up to 700 N/mm ²	X38CrMoV5.1, X40CrMoV5.1
up to 1 150 N/mm ²	S 12-1-4-5, S 10-4-3-10
M Stainless steels	
ferritic/martensitic	1.4021, 1.4305, 1.4448
martensitic	1.4034, 1.4057, 1.4125
austenitic/ferritic	1.4301, 1.4311, 1.4404
K Cast irons	
grey cast irons up to 180 HB	GG10, GG15
grey cast irons up to 260 HB	GG20, GG25, GG30
ductile cast irons up to 160 HB	GGG35, GGG40, GGG50
ductile cast irons up to 160 HB	GGG60, GGG70
malleable cast irons up to 130 HB	GTW-40, GTW-45, GTW-55
malleable cast irons up to 230 HB	GTW-35, GTS-55, GTS-65
N Aluminum alloys	
Al formable alloys up to 250 N/mm ²	Al99.5, AlMg1
Al formable alloys up to 350 N/mm ²	AlCuSiPb, G-AlCu5Ni1.5
Al alloys ≤ 12 % Si up to 250 N/mm ²	G-AlSi9Mg, G-AlSi10Mg
Al alloys ≤ 12 % Si up to 300 N/mm ²	G-AlCu4TiMg, G-AlSi7Mg
Al alloys ≥ 12 % Si up to 450 N/mm ²	G-AlSi17Cu4, G-AlSi21CuNiMg
magnesium	MgMn2, CrMgAl8Zn1
N Copper and copper alloys	
free-cutting copper alloys, Pb > 1 %	G-CuSn7Zn2Pb, G-CuPb10Sn
bronze, brass	CuZn15, CuZn30, CuCrZr
copper, lead-free and electrolytic copper	CuAl10Ni5Fe4, G-CuAl10Ni
N Plastics	
thermosetting plastics, thermoplastics	Bakelit, Responal, Novodur
fiber-reinforced plastics	CFK, GFK, AFK
hardened rubber, wood	
N Graphite	EDM3
S Heat-resistant alloys	
Fe based up to 650 N/mm ²	1.4558, 1.4562, 1.4563
Fe based up to 750 N/mm ²	1.4958, 1.4977
Cr-Ni based up to 800 N/mm ²	Monel 400, Hastelloy C-4
Cr-Ni based up to 950 N/mm ²	Inconel X-750, Hastelloy B
Cr-Ni based up to 1 100 N/mm ²	Monel K-500, Inconel 718
S Titanium and titanium alloys	
pure Ti and Ti alloys up to 850 N/mm ²	Ti1, TiCu2, TiAl3V2.5
Ti alloys up to 1 200 N/mm ²	TiAl5Sn2, TiAl6V4, TiAl6V6Sn2
H Hardened steels	
steel 40-48 HRC	
steel 48-56 HRC	
steel 56-65 HRC	
hardened cast irons up to 48 HRC	G-X260NiCr4.2, G-X330NiCr4.2

SEH422822		SEH422846		SEH422820		SEH022814		SEH022853		SEH722825	
SEH422826		SEH422818		SEH422824		SEH022817					
											
6-25		6-25		6-25		4-16		2-12		4-20	
6/8		4/6; 4		4		2		1		4	
45°		45°; 30°		30°		45°		30°		30°	
HA/HB		HB		HA/HB		HA/HB		HA		HA	
K30F		K30F		K30F		K10F		K10F		K30F	
PVD		PVD		PVD		bez povlaku		bez povlaku		PVD	
cutting speed	feed grade	cutting speed	feed grade	cutting speed	feed grade	cutting speed	feed grade	cutting speed	feed grade	cutting speed	feed grade
140	2	135	2	135	2	-	-	-	-	135	2
135	2	130	2	130	2	-	-	-	-	130	2
130	2	125	2	125	2	-	-	-	-	125	2
120	2	115	2	115	2	-	-	-	-	115	2
115	2	110	2	110	2	-	-	-	-	110	2
130	2	125	2	125	2	-	-	-	-	125	2
120	2	115	2	115	2	-	-	-	-	115	2
115	2	110	2	110	2	-	-	-	-	110	2
110	2	105	2	105	2	-	-	-	-	105	2
105	2	100	2	100	2	-	-	-	-	100	2
95	2	90	2	90	2	-	-	-	-	90	2
90	1	85	1	85	1	-	-	-	-	85	1
85	1	80	1	80	1	-	-	-	-	80	1
75	1	70	1	70	1	-	-	-	-	70	1
190	2	180	2	180	2	-	-	-	-	180	2
165	2	155	2	155	2	-	-	-	-	155	2
165	2	155	2	155	2	-	-	-	-	155	2
135	2	130	2	130	2	-	-	-	-	130	2
135	2	130	2	130	2	-	-	-	-	130	2
120	2	115	2	115	2	-	-	-	-	115	2
630	3	600	3	600	3	580	3	-	-	600	3
655	3	625	3	625	3	605	3	-	-	625	3
715	3	680	3	680	3	660	3	-	-	680	3
715	3	680	3	680	3	660	3	-	-	680	3
655	3	625	3	625	3	605	3	-	-	625	3
690	3	655	3	655	3	640	3	-	-	655	3
220	3	210	3	210	3	205	3	-	-	210	3
245	3	235	3	235	3	225	3	-	-	235	3
205	3	195	3	195	3	195	3	-	-	195	3
135	3	130	3	130	3	125	3	480	3	130	3
150	3	145	3	145	3	140	3	520	3	145	3
180	3	170	3	170	3	185	3	580	3	170	3
230	3	220	3	220	3	-	-	-	-	220	3
75	1	70	1	70	1	-	-	-	-	70	1
75	1	70	1	70	1	-	-	-	-	70	1
70	1	65	1	65	1	-	-	-	-	65	1
65	1	60	1	60	1	-	-	-	-	60	1
55	1	50	1	50	1	-	-	-	-	50	1
85	1	80	1	80	1	-	-	-	-	80	1

[illegible]

FEED GRADE 1

radial cutting depth	Ø 0,5 f _z mm/tooth	Ø 1 f _z mm/tooth	Ø 2 f _z mm/tooth	Ø 4 f _z mm/tooth	Ø 6 f _z mm/tooth	Ø 8 f _z mm/tooth	Ø 10 f _z mm/tooth	Ø 12 f _z mm/tooth	Ø 14 f _z mm/tooth	Ø 16 f _z mm/tooth	Ø 18 f _z mm/tooth	Ø 20 f _z mm/tooth	Ø 25 f _z mm/tooth
0,2	0,003	0,010	0,020	0,030	0,040	0,050	0,060	0,070	0,080	0,090	0,100	0,110	0,120
0,5	0,002	0,005	0,015	0,025	0,035	0,050	0,060	0,070	0,080	0,090	0,100	0,110	0,120
1	-	0,003	0,010	0,020	0,030	0,045	0,055	0,065	0,080	0,090	0,100	0,110	0,120
2	-	-	0,005	0,015	0,030	0,040	0,050	0,060	0,075	0,085	0,095	0,105	0,110
4	-	-	-	0,010	0,025	0,035	0,050	0,055	0,070	0,080	0,090	0,100	0,110
6	-	-	-	-	0,020	0,035	0,045	0,050	0,065	0,075	0,085	0,095	0,100
8	-	-	-	-	-	0,030	0,045	0,045	0,060	0,070	0,080	0,090	0,100
10	-	-	-	-	-	-	0,040	0,040	0,055	0,065	0,075	0,085	0,095
12	-	-	-	-	-	-	-	0,040	0,050	0,060	0,070	0,080	0,095
14	-	-	-	-	-	-	-	-	0,050	0,050	0,065	0,075	0,090
16	-	-	-	-	-	-	-	-	-	0,050	0,060	0,070	0,090
18	-	-	-	-	-	-	-	-	-	-	0,060	0,060	0,080
20	-	-	-	-	-	-	-	-	-	-	-	0,060	0,080
25	-	-	-	-	-	-	-	-	-	-	-	-	0,080

FEED GRADE 2

radial cutting depth	Ø 0,5 f _z mm/tooth	Ø 1 f _z mm/tooth	Ø 2 f _z mm/tooth	Ø 4 f _z mm/tooth	Ø 6 f _z mm/tooth	Ø 8 f _z mm/tooth	Ø 10 f _z mm/tooth	Ø 12 f _z mm/tooth	Ø 14 f _z mm/tooth	Ø 16 f _z mm/tooth	Ø 18 f _z mm/tooth	Ø 20 f _z mm/tooth	Ø 25 f _z mm/tooth
0,2	0,005	0,015	0,025	0,040	0,050	0,060	0,080	0,090	0,100	0,110	0,120	0,140	0,180
0,5	0,003	0,010	0,020	0,030	0,045	0,060	0,080	0,090	0,100	0,110	0,120	0,140	0,180
1	-	0,005	0,015	0,025	0,040	0,055	0,075	0,080	0,090	0,100	0,110	0,130	0,160
2	-	-	0,010	0,020	0,040	0,050	0,070	0,075	0,090	0,100	0,110	0,130	0,160
4	-	-	-	0,020	0,035	0,045	0,065	0,070	0,085	0,090	0,100	0,120	0,140
6	-	-	-	-	0,030	0,045	0,060	0,070	0,080	0,090	0,100	0,120	0,140
8	-	-	-	-	-	0,040	0,055	0,065	0,080	0,080	0,090	0,110	0,120
10	-	-	-	-	-	-	0,050	0,060	0,075	0,075	0,090	0,110	0,120
12	-	-	-	-	-	-	-	0,050	0,070	0,075	0,085	0,100	0,110
14	-	-	-	-	-	-	-	-	0,060	0,070	0,085	0,100	0,110
16	-	-	-	-	-	-	-	-	-	0,060	0,080	0,090	0,100
18	-	-	-	-	-	-	-	-	-	-	0,080	0,090	0,100
20	-	-	-	-	-	-	-	-	-	-	-	0,080	0,100
25	-	-	-	-	-	-	-	-	-	-	-	-	0,090

FEED GRADE 3

radial cutting depth	Ø 0,5 f _z mm/tooth	Ø 1 f _z mm/tooth	Ø 2 f _z mm/tooth	Ø 4 f _z mm/tooth	Ø 6 f _z mm/tooth	Ø 8 f _z mm/tooth	Ø 10 f _z mm/tooth	Ø 12 f _z mm/tooth	Ø 14 f _z mm/tooth	Ø 16 f _z mm/tooth	Ø 18 f _z mm/tooth	Ø 20 f _z mm/tooth	Ø 25 f _z mm/tooth
0,2	0,008	0,020	0,030	0,050	0,080	0,100	0,120	0,140	0,160	0,180	0,200	0,220	0,240
0,5	0,005	0,015	0,025	0,050	0,080	0,100	0,120	0,140	0,160	0,180	0,200	0,220	0,240
1	-	0,010	0,020	0,045	0,070	0,090	0,110	0,130	0,150	0,170	0,190	0,210	0,230
2	-	-	0,020	0,040	0,060	0,080	0,110	0,120	0,145	0,165	0,180	0,200	0,220
4	-	-	-	0,040	0,055	0,075	0,100	0,115	0,140	0,160	0,170	0,190	0,210
6	-	-	-	-	0,050	0,070	0,095	0,110	0,130	0,150	0,160	0,180	0,200
8	-	-	-	-	-	0,060	0,085	0,100	0,120	0,145	0,155	0,170	0,190
10	-	-	-	-	-	-	0,080	0,100	0,110	0,140	0,150	0,160	0,180
12	-	-	-	-	-	-	-	0,090	0,105	0,130	0,140	0,150	0,170
14	-	-	-	-	-	-	-	-	0,100	0,120	0,130	0,140	0,160
16	-	-	-	-	-	-	-	-	-	0,110	0,120	0,130	0,150
18	-	-	-	-	-	-	-	-	-	-	0,120	0,130	0,150
20	-	-	-	-	-	-	-	-	-	-	-	0,120	0,140
25	-	-	-	-	-	-	-	-	-	-	-	-	0,140

FEED GRADE 4

range of diameters	Ø 0,5-2	Ø 2-4	Ø 4-6	Ø 6-8	Ø 8-12	Ø 12-14	Ø 14-16	Ø 16-18	Ø 18-20
f _z mm/tooth	0,010	0,030	0,050	0,080	0,120	0,150	0,190	0,210	0,230

FEED GRADE 5

range of diameters	Ø 0,5-2	Ø 2-4	Ø 4-6	Ø 6-8	Ø 8-12	Ø 12-14	Ø 14-16	Ø 16-18	Ø 18-20
f _z mm/tooth	0,015	0,040	0,060	0,090	0,140	0,180	0,220	0,240	0,260

FEED GRADE 6

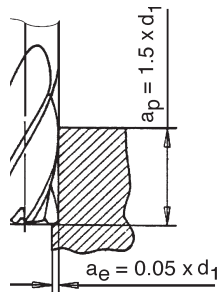
range of diameters	Ø 0,5-2	Ø 2-4	Ø 4-6	Ø 6-8	Ø 8-12	Ø 12-14	Ø 14-16	Ø 16-18	Ø 18-20
f _z mm/tooth	0,020	0,050	0,080	0,120	0,180	0,220	0,250	0,270	0,290

FEED GRADE 7

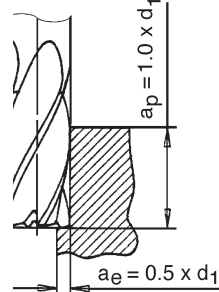
range of diameters	Ø 0,5-2	Ø 2-4	Ø 4-6	Ø 6-8	Ø 8-12	Ø 12-14	Ø 14-16	Ø 16-18	Ø 18-20
f _z mm/tooth	0,030	0,080	0,100	0,150	0,200	0,250	0,280	0,300	0,320

REDUCTION OF CUTTING PARAMETERS

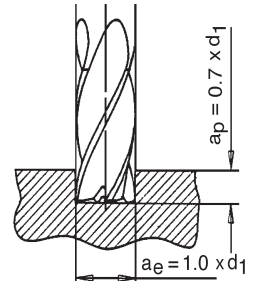
FINISH MACHINING $V_c \times 1,3$



ROUGH MACHINING $V_c \times 1,0$



GROOVE MACHINING $V_c \times 0,7$



TRANSOR FILTRATION



TRANSOR filtration systems for metal-working are high-performance filtration aggregates equipped with all the required equipment for reliable supplies to machines operating in continuous operation mode.

OPTIMAL USE OF FILTRATION

- Grinding
- Eroding
- Chip machining
- Superfinishing

TRANSOR SLIT FILTRATION

- TRANSOR modular design
- Automatic unsupervised operation
- Minimal oil loss
- Minimal power consumption
- For thin lubrication, abrasive, cutting oils
- Fineness of filtration < 3 microns
- No auxiliary filtration items
- Full regeneration of filters





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At the headquarters of the company you will receive all information about the production program, including contact with our respective regional sales and technical representative.

3rd EDITION

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