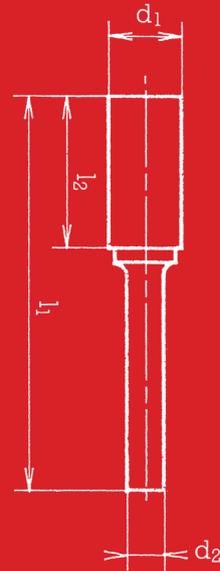




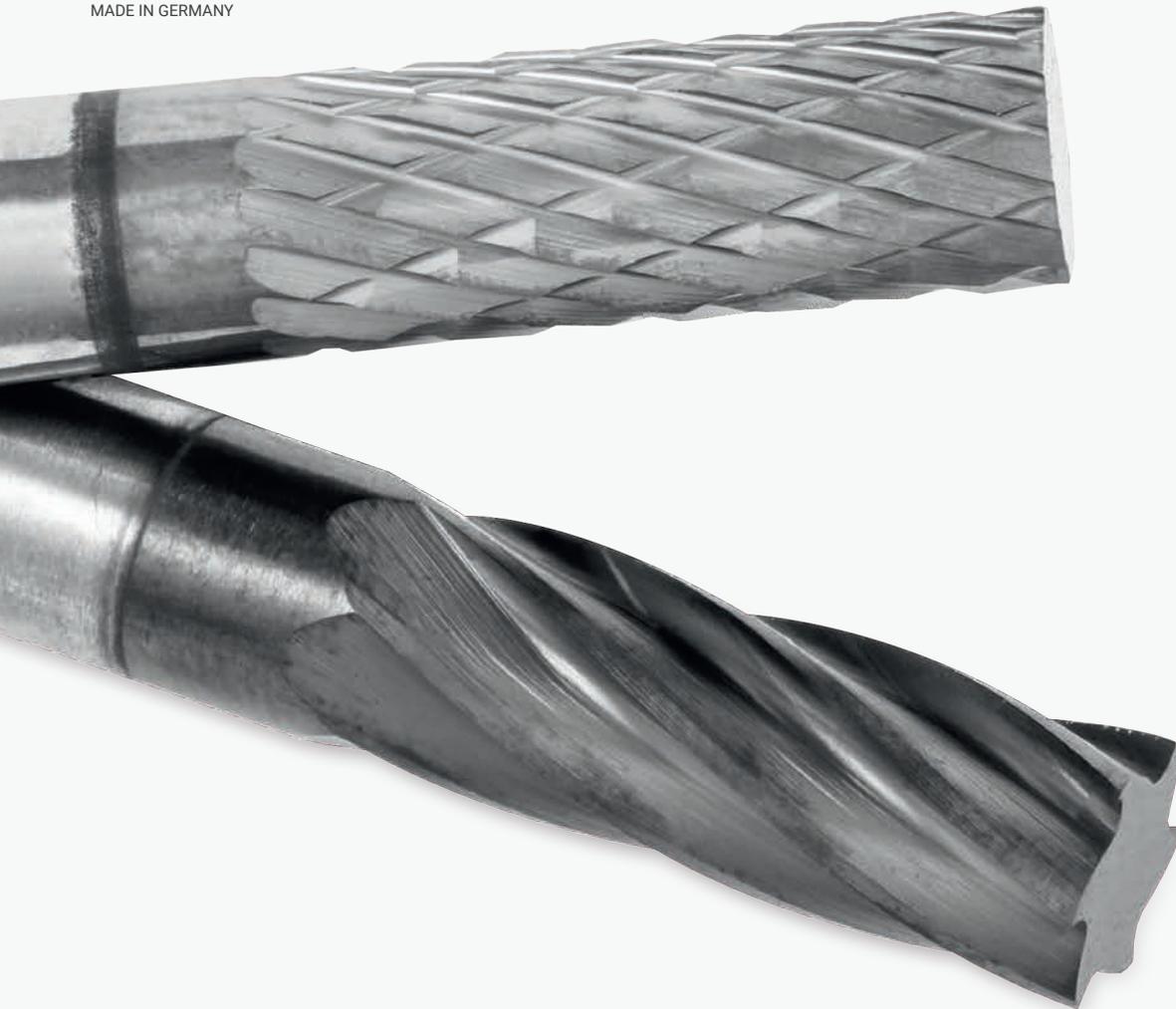
Hartmetallwerkzeuge

TUNGSTEN CARBIDE TOOLS

Tough • Consistent • Proven



MADE IN GERMANY





Production hall, Maulbronn plant

For over 100 years, Schmid & Wezel has striven to provide the highest level of precision, quality and collaborative ethos.

The four divisions of the company include BIAX pneumatic and electric tools, BIAX flexible shafts, BIAX carbide tools and EFA meat processing machinery. These are all manufactured in three state-of-the-art production facilities situated in Germany and Switzerland.

And when it comes to product quality, Schmid & Wezel is the market leader, not least thanks to the high level of vertical integration (up to 90%).

Sustainable customer satisfaction is our goal and the most important driving force for continuous innovation and quality. The strengths of Schmid & Wezel are in providing tailored solutions in high product quality and personalised customer support.

Schmid & Wezel is ISO certified:



BIAX Maulbronn



BIAX Hilsbach

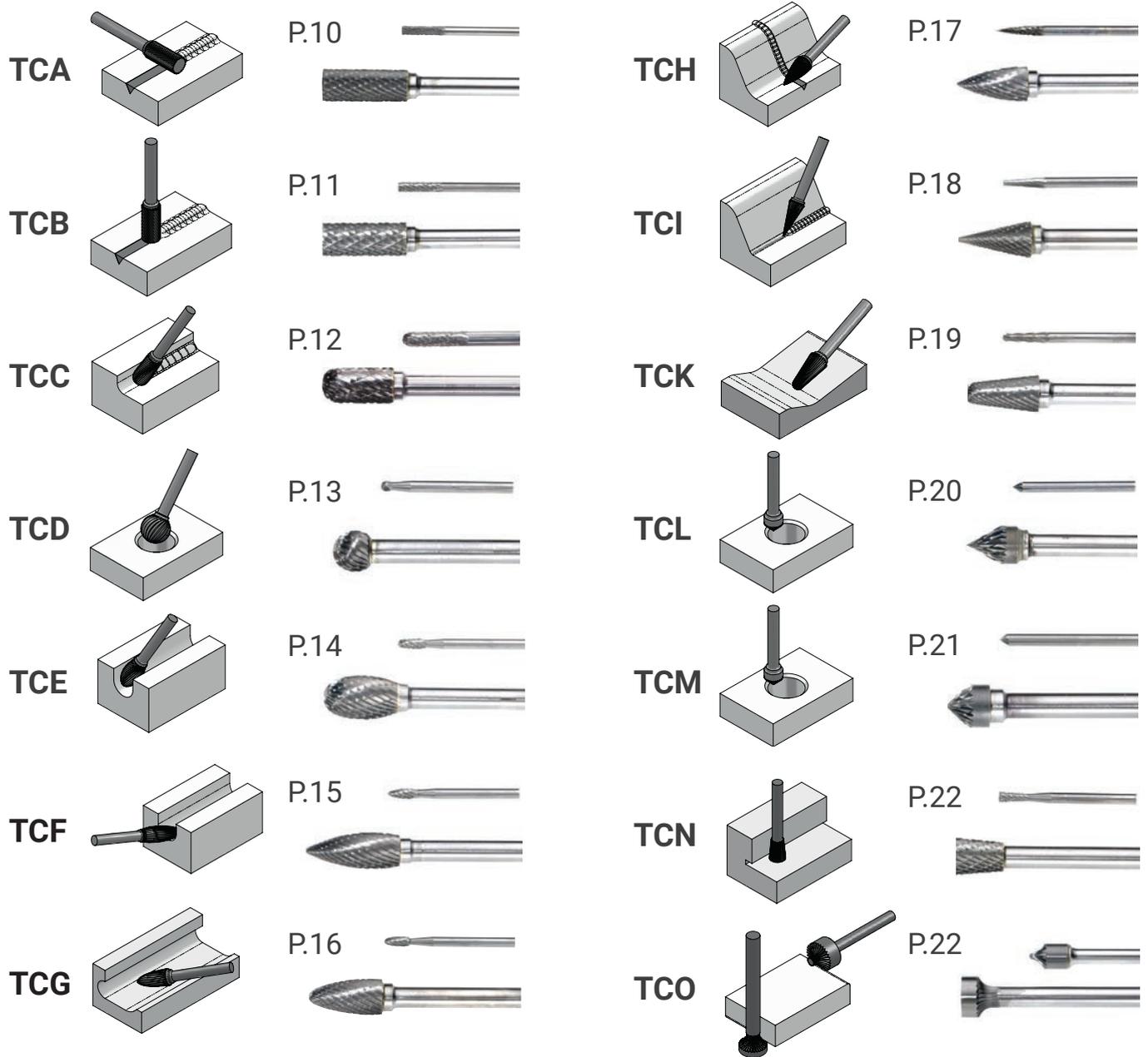


BIAX Thayngen (Switzerland)

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01 Types and applications



Burrs standardised according to DIN 8033

02 Explanation of the cuts

	Cut	Description	Material to be processed	Cutting speed
	2 coarse single cut	Cut 2 is a coarse single cut, which allows a high chip removal and still achieves a good surface finish .	Light metals, thermoplastic plastics, <u>steels up to 500 N/mm² tensile strength</u> , non-ferrous metals, steels with high strength, heat resistant steels	200 m/min. 400 m/min. 450–600 m/min.
	3 medium single cut	Cut 3 is the perfect selection when it comes to smoothing and finishing welding seams , as well as being suited for finishing work.	<u>Steels above 500 N/mm² tensile strength</u> , cast steel and similar materials	600–900 m/min.
	5 fine single cut	This cut has a higher number of finer teeth , which makes the burr less aggressive, runs very smoothly and produces a higher quality surface finish .	<u>Steel, cast iron</u> , stainless steels, hardened steels up to 65 HRC, high strength materials, titanium, superalloys	350–450 m/min.
	63 Cross cut	The very popular and long-proven cross cut from BIAx stands out with high material removal and smooth guidance on the work-pieces. Universally applicable - you can use this cut with almost all materials , but it shows its full performance in the machining of cast parts . The chip chambers and chip breakers ensure good chip evacuation. The stable cutting geometry and high number of cutting edges make this robust and easy to guide , even on harder materials. It is perfect for roughing operations , but also produces a good surface finish for finer machining operations.	<u>Steel, Hardened steels</u> , Materials of high strength, welding seams, <u>gray cast iron, cast iron</u> , heat resistant steels, titanium, steels above 500 N/mm ² tensile strength, stainless steels, hardened and high-alloy chromium-nickel steels, fiber composites	350–450 m/min. 450–600 m/min. 600–900 m/min.
	63 - PERFORMANCE Cross cut with coating	Should the case arise that you are dealing with difficult-to-machine stainless steels, heat-treatable steels or similar , there is the possibility to provide the already strong 63 cut with a special coating. This increases the tool life enormously and the material removal can be increased even further.	<u>Steel, Hardened steels</u> , Materials of high strength, welding seams, <u>gray cast iron, cast iron</u> , heat resistant steels, titanium, steels above 500 N/mm ² tensile strength, stainless steels, hardened and high-alloy chromium-nickel steels, fiber composites	350–450 m/min. 450–600 m/min. 600–900 m/min.
	10 superfine	Compared to the cut „5 - fine single cut“, this cut has even more and even finer cutting edges. It is particularly suitable for very fine deburring , where it is important not to remove too much material and to achieve an excellent surface finish . Extremely good controllability also makes it very suitable for hard-to-reach places.	<u>Steel, hardened steels, cast iron</u> , stainless steels, titanium, superalloys	350–450 m/min.
	14 Alu Cut S	Cut 14 is a specially developed cut to achieve optimum removal performance in non-ferrous metals and plastics . The large chip chambers allow the burr to „cut free“ over and over again. Advantages: High chip removal rate, very good chip evacuation, reduced built-up edge formation due to special grinding, very soft cut due to new cutting edge geometry.	<u>Aluminum and aluminum alloys, light metals</u> , lubricating materials, <u>soft non-ferrous metals</u> , hard non-ferrous metals, tin, zinc, copper, bronze, thermoplastics	ca. 450 m/min.
	14 - PERFORMANCE Alu Cut with coating	For absolute hard cases, such as the machining of pure aluminum, we recommend the cut 14 with our specially developed coating to continue to achieve a perfect result.	<u>Aluminum and aluminum alloys, light metals</u> , lubricating materials, <u>soft non-ferrous metals</u> , hard non-ferrous metals, tin, zinc, copper, bronze, thermoplastics	ca. 450 m/min.
	16 Composite	The cut 16 is a novelty in the BIAx range, this cut is ideally suited for processing fiber composites.	<u>Fiber composites, thermoplastics</u> , GFK, CFK	ca. 450 m/min.

! On underlined material groups, the properties of the burr are particularly effective.

03 Coatings overview

What is a coating?

During coating, a firmly adhering layer of shapeless material is applied to the surface of the burr head. The corresponding production step as well as the applied layer itself is also called coating. This process offers various possibilities to design a layer.

We only work with experts in the field of coating in order to achieve optimal results for you. This also enables us to respond to individual customer requirements at any time.

Our two specially selected coatings **TiAlN** as well as **ZrN** have the following advantages for you during machining:

- Longer service life
- Better material removal
- Reduced crater wear
- Reduced abrasive wear
- Improved tribology (sliding property)
- Higher heat resistance

TiAlN-Coating (hardness ≤ 3500 HV, heat resistance ≤ 900 °C)

TiAlN = titanium aluminum nitride (color grayish-blue to black glossy)

The coating increases the cutting edge's hardness, wear resistance, and reduces friction coefficient. This not only extends the tool's lifespan but also enables its use at higher cutting speeds.

ZrN-Coating (hardness ≤ 3500 HV, heat resistance ≤ 900 °C)

ZrN = zirconium nitride (color pale yellowish to gold shiny)

This is a coating that is extremely smooth and has good sliding properties. This makes the cutter very resistant to the formation of built-up edges, clogging and abrasive wear. Well suited for machining gear teeth, materials prone to smearing. This coating is used in the cut 14 „ALU CUT - Performance“.

We will also be happy to coat any desired BIAx Carbide burrs of any head shape, dimensions and cut for you. Please do not hesitate to contact us and let us know the details of the desired dimensions, coating or application.

We and our partners will help you at any time with questions about coating.

04 Application and safety informations



Applications informations!

1. Select the optimum rotational speed as a precondition for best working results and long service life of the carbide burrs.
The selection of the optimum rotation speed is shown in the rotation speed diagram on page 9.
2. Check the drive machines/equipment for perfect condition and functionality as well as for a chuck free of impact/play or an undamaged collet chuck.
3. The clamping length of the carbide burr should be as long as possible or at least two-thirds of the shank length.
4. The used clamping elements must have a high concentricity in order to avoid premature wear or cutting edge chipping. The same applies to the spindle bearings of the drive machine.
5. When using carbide burrs, observe the maximum head diameter (d1) permitted by the rotational speed of the drive machine. Otherwise, there is a risk of vibration of the burr and the drive machine.



Wear safety glasses!

Sparks or shavings can injure the eyes during grinding. Always wear safety goggles when working.



Wear hearing protection!

If the continuous noise level of the machine / plant exceeds 85 dB(A), hearing protection must be worn to prevent permanent hearing damage.



Wear respiratory protection!

If dust is generated, always wear respiratory protection when working and switch on the dust extraction system in the workplace.



Wear protective gloves!

Risk of injury due to sharp-edged tools or workpieces!
Always wear protective gloves when working.
If possible, guide the tool drive with both hands.



Observe safety instructions!

Risk of kinking

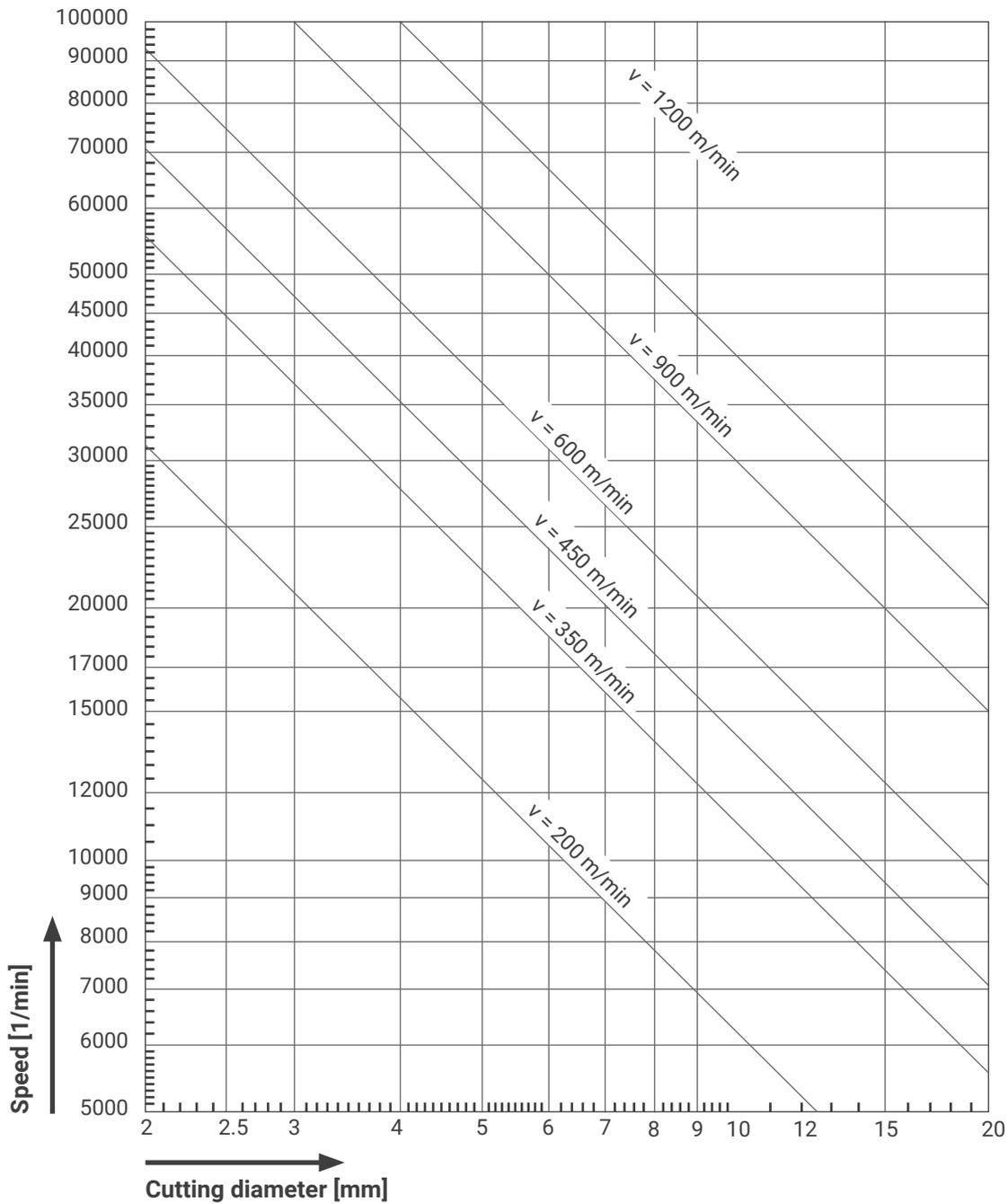
When using **long shafts**, it is essential to use a lower rotational speed for safety reasons. Otherwise, there is a risk of the shafts kinking.

05 Cutting data table

Material	Tooth geometry	Type of processing	Cutting speed up to
Soft non-ferrous metals and non-ferrous heavy metals (pure aluminium, copper, zinc)	Alu	Roughing	350 m/min
		Finishing	450 m/min
	Alu Performance	Roughing	450 m/min
		Finishing	650 m/min
	Tooth geometry 2	Roughing	400 m/min
		Finishing	500 m/min
Hard non-ferrous metals (aluminium alloys, brass, copper, zinc, bronze, red brass)	Alu	Roughing	400 m/min
		Finishing	500 m/min
	Non Ferrous	Roughing	450 m/min
		Finishing	550 m/min
	Alu Performance	Roughing	600 m/min
		Finishing	750 m/min
	Tooth geometry 2	Roughing	450 m/min
		Finishing	700 m/min
	Tooth geometry 63	Roughing	600 m/min
		Finishing	900 m/min
Plastics	Alu	Roughing	300 m/min
		Finishing	450 m/min
	Non Ferrous	Roughing	300 m/min
		Finishing	450 m/min
	Alu Performance	Roughing	350 m/min
		Finishing	500 m/min
	Tooth geometry 2	Roughing	300 m/min
		Finishing	350 m/min
	Tooth geometry 63	Roughing	300 m/min
		Finishing	450 m/min
Composite materials	Composite	Roughing	450 m/min
		Finishing	800 m/min
Cast iron	Tooth geometry 63	Roughing	600 m/min
		Finishing	900 m/min
	Tooth geometry 2	Roughing	400 m/min
		Finishing	600 m/min
	Tooth geometry 5	Roughing	400 m/min
		Finishing	900 m/min
Steel, cast steel (structural steels, tool steels, reinforcing steels, tempered steels, unalloyed steels, alloyed steels)	Tooth geometry 63	Roughing	450 m/min
		Finishing	600 m/min
	63 Performance	Roughing	600 m/min
		Finishing	900 m/min
	Superfine	Finishing	900 m/min
		Tooth geometry 2	Roughing
	Finishing		600 m/min
	Tooth geometry 5	Roughing	400 m/min
		Finishing	900 m/min
	Stainless steel and titanium	Tooth geometry 63	Roughing
Finishing			600 m/min
63 Performance		Roughing	600 m/min
		Finishing	900 m/min
Superfine		Finishing	900 m/min
		Tooth geometry 2	Roughing
Finishing			600 m/min
Tooth geometry 5		Roughing	400 m/min
		Finishing	900 m/min

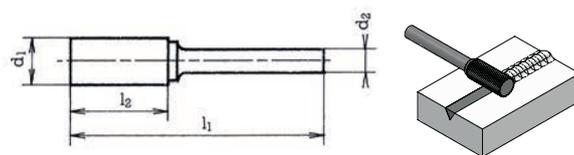
06 Speed diagram

v = Cutting speed



If you have any questions regarding burrs please do not hesitate to contact us or to arrange an appointment with one of our BIAx specialists. You are also very welcome to visit us in our group headquarters in Maulbronn, in order to find the best solution for your application. Alternatively you can also send us a workpiece.

07 Carbide burrs TCA - Cylindrical without end cut



Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
3 mm Shank-Ø d2								
ZYA 0210.03	TCA 0203	3	2	10	40	---	001 952 000	001 952 001
ZYA 0313.03	TCA 0303	3	3	13	40	---	001 952 010	001 952 011
ZYA 0410.03	TCA 0403	3	4	10	40	---	001 952 056	001 952 057
ZYA --	TCA 0503	3	5	5	35	---	001 952 083	001 952 084
ZYA 0613.03	TCA 0603	3	6	13	43	---	001 952 092	001 952 093
6 mm Shank-Ø d2								
ZYA 0416.06	TCA 0406	6	4	16	50	001 952 067	001 952 068	001 952 069
ZYA --	TCA 0506	6	5	16	50	001 952 521	001 952 085	001 952 086
ZYA 0616.06	TCA 0606	6	6	16	50	001 952 120	001 952 121	001 952 122
ZYA 0820.06	TCA 0806	6	8	20	65	001 952 194	001 952 195	001 952 196
ZYA 1013.06	TCA 1006	6	10	13	58	001 952 220	001 952 221	001 952 222
ZYA 1020.06	TCA 1016	6*	10	20	65	001 952 274	001 952 523	001 952 275
ZYA 1025.06	TCA 1026	6*	10	25	70	001 952 284	001 952 524	001 952 285
ZYA 1225.06	TCA 1206	6*	12,7	25	70	001 952 290	001 952 291	001 952 293
ZYA 1625.06	TCA 1606	6*	16	25	70	---	001 952 526	001 952 409

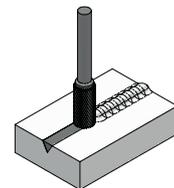
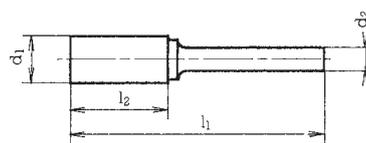
Special BIAX-Cuts

Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 2	Cut 14 ALU-CUT	Cut 10 superfine
3 mm Shank-Ø d2								
ZYA 0210.03	TCA 0203	3	2	10	40	---	---	---
ZYA 0313.03	TCA 0303	3	3	13	40	---	001 952 497	001 952 900
ZYA 0410.03	TCA 0403	3	4	10	40	---	001 952 498	001 952 901
ZYA --	TCA 0503	3	5	5	35	---	001 952 499	---
ZYA 0607.03	TCA 0603	3	6	7	37	---	001 952 500	---
ZYA 0613.03	TCA 0613	3	6	13	43	---	001952 501	001 952 902
6 mm Shank-Ø d2								
ZYA 0416.06	TCA 0406	6	4	16	50	001 952 066	001 952 502	001 952 903
ZYA --	TCA 0506	6	5	16	50	001 952 513	001 952 503	---
ZYA 0616.06	TCA 0606	6	6	16	50	001 952 119	001 952 504	001 952 904
ZYA 0820.06	TCA 0806	6	8	20	65	001 952 514	001 952 505	001 952 905
ZYA 1013.06	TCA 1006	6	10	13	58	001 952 515	001 952 506	---
ZYA 1020.06	TCA 1016	6*	10	20	65	001 952 516	001 952 507	---
ZYA 1025.06	TCA 1026	6*	10	25	70	001 952 517	001 952 508	---
ZYA 1225.06	TCA 1206	6*	12,7	25	70	001 952 289	001 952 509	---
ZYA 1625.06	TCA 1606	6*	16	25	70	001 952 519	001 952 511	---

! The carbide burrs marked with * are alternatively available with shank Ø 8 mm on request. (only cut 2, 3, 5 & 63).

All above dimensions + cuts of this head shape are alternatively available with coating on request. (Minimum purchase 10 pcs.)
Subject to technical changes.

08 Carbide burrs TCB - Cylindrical with end cut



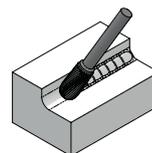
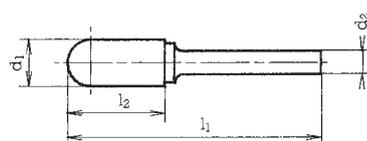
Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
2,35 mm Shank-Ø d2								
ZYAS ---	TCB 0102	2.35	1.5	5	44	001 952 473	---	---
3 mm Shank-Ø d2								
ZYAS 0210.03	TCB 0203	3	2	10	40	---	001 952 002	001 952 003
ZYAS 0313.03	TCB 0303	3	3	13	40	---	001 952 012	001 952 013
ZYAS 0410.03	TCB 0403	3	4	7	40	---	001 952 058	001 952 059
ZYAS 0613.03	TCB 0603	3	6	13	43	---	---	001 952 183
6 mm Shank-Ø d2								
ZYAS ---	TCB 0406	6	4	16	50	001 952 071	001 952 538	001 952 072
ZYAS 0616.06	TCB 0606	6	6	16	50	001 952 124	001 952 126	001 952 127
ZYAS 0820.06	TCB 0806	6	8	20	65	001 952 197	001 952 198	001 952 199
ZYAS 1013.06	TCB 1006	6	10	13	58	001 952 223	001 952 224	001 952 225
ZYAS 1020.06	TCB 1016	6*	10	20	65	001 952 276	001 952 539	001 952 277
ZYAS 1025.06	TCB 1026	6*	10	25	70	001 952 286	001 952 540	001 952 287
ZYAS 1225.06	TCB 1206	6*	12.7	25	70	001 952 295	001 952 296	001 952 297
ZYAS 1625.06	TCB 1606	6*	16	25	70	001 952 536	001 952 542	001 952 410

Special BIAX-Cuts

Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 2	Cut 14 ALU-CUT	Cut 10 superfine
2,35 mm Shank-Ø								
ZYAS ---	TCB 0102	2.35	1.5	5	44	---	---	---
3 mm Shank-Ø d2								
ZYAS 0210.03	TCB 0203	3	2	10	40	---	---	---
ZYAS 0313.03	TCB 0303	3	3	13	40	---	---	---
ZYAS 0410.03	TCB 0403	3	4	10	40	---	---	---
ZYAS 0613.03	TCB 0603	3	6	13	43	---	---	---
6mm Shank-Ø d2								
ZYAS ---	TCB 0406	6	4	16	50	001 952 070	---	---
ZYAS 0616.06	TCB 0606	6	6	16	50	001 952 123	---	---
ZYAS 0820.06	TCB 0806	6	8	20	65	001 952 529	001 952 802	---
ZYAS 1013.06	TCB 1006	6	10	13	58	001 952 530	---	---
ZYAS 1020.06	TCB 1016	6*	10	20	65	001 952 531	---	---
ZYAS 1025.06	TCB 1026	6*	10	25	70	001 952 532	---	---
ZYAS 1225.06	TCB 1206	6*	12.7	25	70	001 952 294	---	---
ZYAS 1625.06	TCB 1606	6*	16	25	70	001 952 534	---	---

! The carbide burrs marked with * are alternatively available with shank Ø 8 mm on request. (only cut 2, 3, 5 & 63).
All above dimensions + cuts of this head shape are alternatively available with coating on request. (Minimum purchase 10 pcs.)
Subject to technical changes.

09 Carbide burrs TCC - Cylindrical shape, round nose



Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
3 mm Shank-Ø d2								
WRC 0210.03	TCC 0203	3	2	10	40	---	001 952 005	001 952 006
WRC 0313.03	TCC 0303	3	3	13	40	001 952 015	001 952 017	001 952 018
WRC 0613.03	TCC 0603	3	6	13	43	---	001 952 095	001 952 096
6 mm Shank-Ø d2								
WRC 0416.06	TCC 0406	6	4	16	50	001 952 074	001 952 075	001 952 076
WRC ---	TCC 0506	6	5	16	50	---	001 952 573	001 952 087
WRC 0616.06	TCC 0606	6	6	16	50	001 952 130	001 952 132	001 952 133
WRC 0820.06	TCC 0806	6	8	20	65	001 952 202	001 952 203	001 952 204
WRC 1020.06	TCC 1006	6*	10	20	65	001 952 228	001 952 230	001 952 232
WRC 1025.06	TCC 1016	6*	10	25	70	001 952 279	001 952 574	001 952 280
WRC 1225.06	TCC 1206	6*	12.7	25	70	001 952 300	001 952 301	001 952 303
WRC 1625.06	TCC 1606	6*	16	25	70	001 952 572	001 952 576	001 952 412

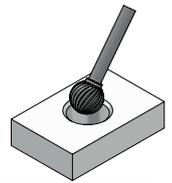
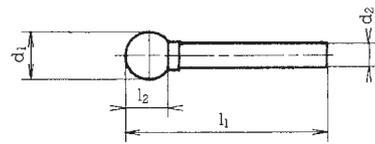
Special BIAX-Cuts

Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 2	Cut 14 ALU-CUT	Cut 10 superfine
3 mm Shank-Ø d2								
WRC 0210.03	TCC 0203	3	2	10	40	---	001 952 553	---
WRC 0313.03	TCC 0303	3	3	13	40	---	001 952 554	---
WRC 0613.03	TCC 0603	3	6	13	43	---	001 952 555	---
6 mm Shank-Ø d2								
WRC 0416.06	TCC 0406	6	4	16	50	001 952 073	001 952 556	---
WRC ---	TCC 0506	6	5	16	50	001 952 566	001 952 557	---
WRC 0616.06	TCC 0606	6	6	16	50	001 952 129	001 952 558	---
WRC 0820.06	TCC 0806	6	8	20	65	001 952 201	001 952 559	---
WRC 1020.06	TCC 1006	6*	10	20	65	001 952 227	001 952 560	---
WRC 1025.06	TCC 1016	6*	10	25	70	---	001 952 561	---
WRC 1225.06	TCC 1206	6*	12.7	25	70	001 952 299	001 952 562	---
WRC 1625.06	TCC 1606	6*	16	25	70	001 952 569	001 952 564	---

! The carbide burrs marked with * are alternatively available with shank Ø 8 mm on request. (only cut 2, 3, 5 & 63).

All above dimensions + cuts of this head shape are alternatively available with coating on request. (Minimum purchase 10 pcs.)
Subject to technical changes.

10 Carbide burrs TCD - Ball shape



Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
2,35 mm Shank-Ø d2								
KUD ---	TCD 0102	2,35	1,5	1,4	44	001 952 474	---	---
KUD ---	TCD 0202	2,35	2	2,2	44	001 952 475	---	---
3 mm Shank-Ø d2								
KUD 0202.03	TCD 0203	3	2	2,3	40	---	001 952 007	001 952 008
KUD 0302.03	TCD 0303	3	3	2,8	40	---	001 952 020	001 952 021
KUD 0403.03	TCD 0403	3	4	3,5	34	---	001 952 062	001 952 063
KUD 0605.03	TCD 0603	3	6	5	39	---	001 952 098	001 952 099
6 mm Shank-Ø d2								
KUD 0403.06	TCD 0406	6	4	3,5	50	001 952 077	001 592 078	001 952 079
KUD ---	TCD 0506	6	5	4	50	001 952 088	001 952 089	001 952 090
KUD 0605.06	TCD 0606	6	6	5	50	001 952 135	001 952 136	001 952 137
KUD 0807.06	TCD 0806	6	8	6,5	51	001 952 207	001 952 208	001 952 209
KUD 1009.06	TCD 1006	6*	10	9	54	001 952 235	001 952 237	001 952 238
KUD 1210.06	TCD 1206	6*	12	11	56	001 952 306	001 950 554	001 952 310
KUD 1614.06	TCD 1606	6*	16	14	59	001 952 414	001 952 608	001 952 415
KUD 2018.06	TCD 2006	6*	20	18	63	001 952 823	---	001 952 822

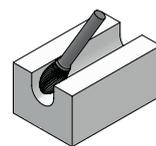
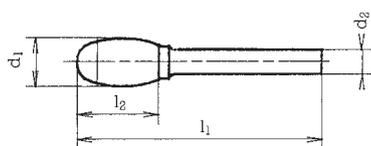
Special BIAX-Cuts

Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 2	Cut 14 ALU-CUT	Cut 10 superfine
2,35 mm Shank-Ø d2								
KUD ---	TCD 0102	2,35	1,5	1,4	44	---	---	---
KUD ---	TCD 0202	2,35	2	2,2	44	---	---	---
3 mm Shank-Ø d2								
KUD 0202.03	TCD 0203	3	2	2,3	40	---	001 952 589	---
KUD 0302.03	TCD 0303	3	3	2,5	38	---	001 952 590	---
KUD 0302.03	TCD 0303	3	3	2,8	40	---	---	001 952 906
KUD 0403.03	TCD 0403	3	4	3,5	34	---	001 952 591	001 952 907
KUD 0605.03	TCD 0603	3	6	5	39	---	001 952 592	001 952 908
6 mm Shank-Ø d2								
KUD 0403.06	TCD 0406	6	4	3,5	50	001 952 602	001 952 593	001 952 909
KUD ---	TCD 0506	6	5	4	50	001 952 603	001 952 594	---
KUD 0605.06	TCD 0606	6	6	5	50	001 952 134	001 952 595	001 952 910
KUD 0807.06	TCD 0806	6	8	6,5	51	001 952 206	001 952 596	001 952 911
KUD 1009.06	TCD 1006	6*	10	9	54	001 952 234	001 952 597	---
KUD 1210.06	TCD 1206	6*	12	11	56	001 952 305	001 952 598	---
KUD 1614.06	TCD 1606	6*	16	14	59	001 952 604	001 952 599	---
KUD 2018.06	TCD 2006	6*	20	18	63	---	---	---

! The carbide burrs marked with * are alternatively available with shank Ø 8 mm on request. (only cut 2, 3, 5 & 63).

All above dimensions + cuts of this head shape are alternatively available with coating on request. (Minimum purchase 10 pcs.)
Subject to technical changes.

11 Carbide burrs TCE - Oval shape



Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
3 mm Shank-Ø d2								
TRE 0307.03	TCE 0303	3	3	7	40	---	001 952 023	001 952 024
TRE ---	TCE 0403	3	4	7	37	---	001 952 064	001 952 065
TRE 0610.03	TCE 0603	3	6	10	40	---	001 952 101	001 952 102
6 mm Shank-Ø d2								
TRE 0610.06	TCE 0606	6	6	10	50	001 952 138	001 952 139	001 952 140
TRE 0813.06	TCE 0806	6	8	13	58	001 952 211	001 952 212	001 952 213
TRE 1222.06	TCE 1206	6*	12,7	22	67	001 952 312	001 952 313	001 952 315
TRE 1625.06	TCE 1606	6*	16	25	70	001 952 625	001 952 628	001 952 417

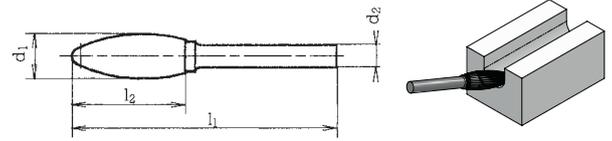
Special BIAX-Cuts

Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 2	Cut 14 ALU-CUT	Cut 10 superfine
3 mm Shank-Ø d2								
TRE 0307.03	TCE 0303	3	3	7	40	---	001 952 616	---
TRE ---	TCE 0403	3	4	7	37	---	001 952 617	---
TRE 0610.03	TCE 0603	3	6	10	40	---	001 952 618	---
6 mm Shank-Ø d2								
TRE 0610.06	TCE 0606	6	6	10	50	---	001 952 619	---
TRE 0813.06	TCE 0806	6	8	13	58	---	001 952 620	---
TRE 1222.06	TCE 1206	6*	12,7	22	67	---	001 952 621	---
TRE 1625.06	TCE 1606	6*	16	25	70	---	001 952 623	---



! The carbide burrs marked with * are alternatively available with shank Ø 8 mm on request. (only cut 2, 3, 5 & 63).
All above dimensions + cuts of this head shape are alternatively available with coating on request. (Minimum purchase 10 pcs.)
Subject to technical changes.

12 Carbide burrs TCF - Flame shape



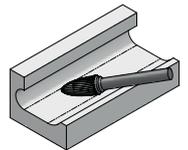
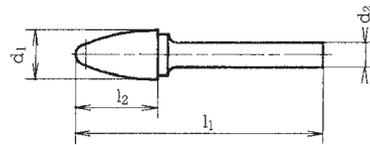
Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
3 mm Shank-Ø d2								
FLF 0307.03	TCF 0303	3	3	7	40	---	001 952 026	001 952 027
FLF 0613.03	TCF 0603	3	6	13	43	---	001 952 104	001 952 105
6 mm Shank-Ø d2								
FLF 0618.06	TCF 0606	6	6	18	50	001 952 142	001 952 143	001 952 144
FLF 1025.06	TCF 1006	6	10	25	70	001 952 240	001 952 241	001 952 242
FLF 1232.06	TCF 1206	6*	12,7	32	77	001 952 318	001 952 319	001 952 321
FLF 1635.06	TCF 1606	6*	16	35	80	001 952 647	001 952 649	001 952 419

Special BIAX-Cuts

Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 2	Cut 14 ALU-CUT	Cut 10 superfine
3 mm Shank-Ø d2								
FLF 0307.03	TCF 0303	3	3	7	40	---	001 952 635	---
FLF 0613.03	TCF 0603	3	6	13	43	---	001 952 636	---
6 mm Shank-Ø d2								
FLF 0618.06	TCF 0606	6	6	18	50	001 952 141	001 952 637	---
FLF 1025.06	TCF 1006	6	10	25	70	001 952 643	001 952 638	---
FLF 1232.06	TCF 1206	6*	12,7	32	77	001 952 317	001 952 639	---
FLF 1635.06	TCF 1606	6*	16	35	80	001 952 645	001 952 641	---

! The carbide burrs marked with * are alternatively available with shank Ø 8 mm on request. (only cut 2, 3, 5 & 63).
All above dimensions + cuts of this head shape are alternatively available with coating on request. (Minimum purchase 10 pcs.)
Subject to technical changes.

13 Carbide burrs TCG - Arch shape, round nose



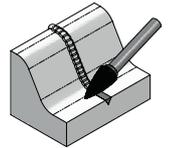
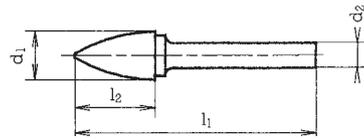
Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
3 mm Shank-Ø d2								
RBF 0307.03	TCG 0303	3	3	7	40	---	001 952 029	001 952 030
RBF 0313.03	TCG 0313	3	3	13	43	---	001 952 048	001 952 049
RBF 0613.03	TCG 0603	3	6	13	43	---	001 952 107	001 952 108
6 mm Shank-Ø d2								
RBF 0616.06	TCG 0606	6	6	16	50	001 952 147	001 952 148	001 952 149
RBF 1020.06	TCG 1006	6*	10	20	65	001 952 244	001 952 245	001 952 246
RBF 1225.06	TCG 1216	6*	12,7	25	70	001 952 378	001 952 678	001 952 380
RBF 1230.06	TCG 1226	6*	12	30	75	001 952 394	001 952 679	001 952 395
RBF 1625.06	TCG 1606	6*	16	25	70	001 952 675	001 952 680	001 952 421

Special BIAX-Cuts

Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 2	Cut 14 ALU-CUT	Cut 10 superfine
3 mm Shank-Ø d2								
RBF 0307.03	TCG 0303	3	3	6	38	---	001 952 659	---
RBF 0313.03	TCG 0313	3	3	13	40	---	001 952 660	---
RBF 0613.03	TCG 0603	3	6	13	43	---	001 952 661	---
6 mm Shank-Ø d2								
RBF 0616.06	TCG 0606	6	6	16	50	001 952 146	001 952 662	---
RBF 1020.06	TCG 1006	6*	10	20	65	001 952 669	001 952 663	---
RBF 1225.06	TCG 1216	6*	12,7	25	70	001 952 671	001 952 665	---
RBF 1230.06	TCG 1226	6*	12	30	75	001 952 672	001 952 666	---
RBF 1625.06	TCG 1606	6*	16	25	70	001 952 673	001 952 667	---

! The carbide burrs marked with * are alternatively available with shank Ø 8 mm on request. (only cut 2, 3, 5 & 63).
All above dimensions + cuts of this head shape are alternatively available with coating on request. (Minimum purchase 10 pcs.)
Subject to technical changes.

14 Carbide burrs TCH - Arch shape, pointed nose



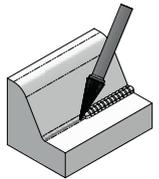
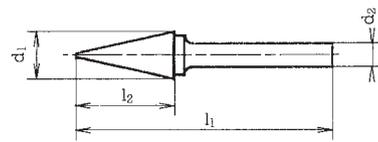
Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
3 mm Shank-Ø d2								
SPG 0307.03	TCH 0303	3	3	7	40	---	001 952 033	001 952 035
SPG 0313.03	TCH 0313	3	3	13	40	---	001 952 051	001 952 052
SPG 0613.03	TCH 0603	3	6	13	43	---	001 952 110	001 952 112
6 mm Shank-Ø d2								
SPG ---	TCH 0406	6	4	13	50	001 952 706	001 952 708	001 952 081
SPG 0616.06	TCH 0606	6	6	16	60	001 952 152	001 952 153	001 952 156
SPG ---	TCH 0806	6	8	18	63	001 952 215	001 952 216	001 952 217
SPG 1020.06	TCH 1006	6*	10	20	65	001 952 248	001 952 249	001 952 250
SPG 1220.06	TCH 1206	6*	12	20	60	001 952 327	001 952 710	001 952 328
SPG 1225.06	TCH 1216	6*	12,7	25	70	001 952 382	001 952 383	001 952 384
SPG 1230.06	TCH 1226	6*	12	30	75	001 952 398	001 952 399	001 952 402
SPG 1630.06	TCH 1606	6*	16	30	75	001 952 423	001 952 712	001 952 424

Special BIAX-Cuts

Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 2	Cut 14 ALU-CUT	Cut 10 superfine
3 mm Shank-Ø d2								
SPG 0307.03	TCH 0303	3	3	7	40	---	001 952 699	001 952 829
SPG 0313.03	TCH 0313	3	3	12,7	38	---	001 952 799	---
SPG 0313.03	TCH 0313	3	3	13	40	---	---	001 952 912
SPG 0613.03	TCH 0603	3	6	13	43	---	001 952 689	001 952 913
6 mm Shank-Ø d2								
SPG ---	TCH 0406	6	4	13	50	001 952 080	001 952 690	001 952 914
SPG 0616.06	TCH 0606	6	6	16	58	001 952 151	---	---
SPG 0616.06	TCH 0606	6	6	16	60	---	001 952 691	001 952 915
SPG ---	TCH 0806	6	8	18	63	001 952 701	001 952 692	001 952 916
SPG 1020.06	TCH 1006	6*	10	20	65	001 952 702	001 952 693	---
SPG 1220.06	TCH 1206	6*	12	20	60	001 952 326	001 952 694	---
SPG 1225.06	TCH 1216	6*	12,7	25	70	001 952 703	001 952 696	---
SPG 1230.06	TCH 1226	6*	12	30	75	001 952 397	001 952 697	---
SPG 1630.06	TCH 1606	6*	16	30	75	001 952 704	---	---

! The carbide burrs marked with * are alternatively available with shank Ø 8 mm on request. (only cut 2, 3, 5 & 63).
All above dimensions + cuts of this head shape are alternatively available with coating on request. (Minimum purchase 10 pcs.)
Subject to technical changes.

15 Carbide burrs TCI - Conical shape, pointed nose



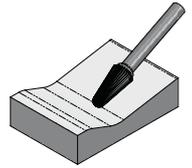
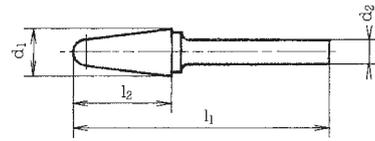
Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
2,35 mm Shank-Ø d2								
SKM ---	TCI 0212	2,35	1,2	5,2	44	001 952 476	---	---
3 mm Shank-Ø d2								
SKM 0310.03	TCI 0303	3	3	10	43	---	001 952 037	001 952 038
SKM 0313.03	TCI 0313	3	3	13	40	001 952 806	001 952 053	001 952 054
SKM 0613.03	TCI 0603	3	6	13	43	---	001 952 114	001 952 115
6 mm Shank-Ø d2								
SKM 0616.06	TCI 0606	6	6	16	50	001 952 159	001 952 160	001 952 161
SKM 0620.06	TCI 0616	6	6	20	50	001 952 187	001 952 735	001 952 188
SKM 0625.06	TCI 0626	6	6	25	50	001 952 190	001 952 191	001 952 192
SKM 1020.06	TCI 1006	6	10	20	65	001 952 292	001 952 253	001 952 254
SKM 1225.06	TCI 1206	6*	12,7	25	70	001 952 331	001 952 332	001 952 333
SKM 1630.06	TCI 1606	6*	16	30	75	upon request	upon request	upon request

Special BIAX-Cuts

Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 2	Cut 14 ALU-CUT	Cut 10 superfine
2,35 mm Shank-Ø d2								
SKM ---	TCI 0212	2,35	1,2	5,2	44	---	---	---
3 mm Shank-Ø d2								
SKM 0310.03	TCI 0303	3	3	10	40	---	---	001 952 917
SKM 0310.03	TCI 0303	3	3	11	38	---	001 952 723	---
SKM 0313.03	TCI 0313	3	3	16	38	---	001 952 724	---
SKM 0613.03	TCI 0603	3	6	13	43	---	001 952 725	001 952 918
6 mm Shank-Ø d2								
SKM 0616.06	TCI 0606	6	6	16	50	001 952 158	001 952 726	001 952 919
SKM 0620.06	TCI 0616	6	6	20	50	001 952 186	001 952 727	---
SKM 0625.06	TCI 0626	6	6	25	50	001 952 189	001 952 728	---
SKM 1020.06	TCI 1006	6	10	20	65	001 952 732	001 952 729	---
SKM 1225.06	TCI 1206	6*	12,7	25	70	001 952 330	001 952 730	---
SKM 1630.06	TCI 1606	6*	16	30	75	upon request	upon request	upon request

! The carbide burrs marked with * are alternatively available with shank Ø 8 mm on request. (only cut 2, 3, 5 & 63).
All above dimensions + cuts of this head shape are alternatively available with coating on request. (Minimum purchase 10 pcs.)
Subject to technical changes.

16 Carbide burrs TCK - Conical shape, round nose



Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
3 mm Shank-Ø d2								
KEL ---	TCK 0313	3	3	13	40	---	---	001 952 810
6 mm Shank-Ø d2								
KEL ---	TCK 0606	6	6	16	50	001 952 164	001 952 166	001 952 168
KEL 1020.06	TCK 1006	6	10	20	65	001 952 257	001 952 754	001 952 259
KEL 1225.06	TCK 1206	6*	12,7	25	70	001 952 336	001 952 337	001 952 339
KEL 1230.06	TCK 1216	6*	12,7	32	77	001 952 386	001 952 757	001 952 388
KEL 1630.06	TCK 1606	6*	16	30	75	001 952 753	001 952 759	001 952 426

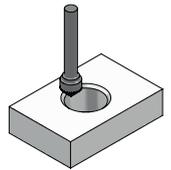
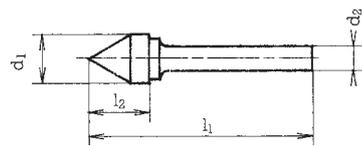
Special BIAX-Cuts

Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 2	Cut 14 ALU-CUT	Cut 10 superfine
3 mm Shank-Ø d2								
KEL ---	TCK 0303	3	3	12	43	---	001 952 039	---
KEL ---	TCK 0313	3	3	13	40	---	001 952 818	---
KEL ---	TCK 0613	3	6	20	48	---	001 952 184	---
6 mm Shank-Ø d2								
KEL ---	TCK 0606	6	6	16	50	001 952 163	001 952 167	---
KEL 1020.06	TCK 1006	6	10	20	65	001 952 256	001 952 258	---
KEL 1225.06	TCK 1206	6*	12,7	25	70	001 952 335	001 952 739	---
KEL 1230.06	TCK 1216	6*	12,7	32	77	001 952 746	001 952 804	---
KEL 1630.06	TCK 1606	6*	16	30	75	001 952 748	001 952 742	---



! The carbide burrs marked with * are alternatively available with shank Ø 8 mm on request. (only cut 2, 3, 5 & 63).
All above dimensions + cuts of this head shape are alternatively available with coating on request. (Minimum purchase 10 pcs.)
Subject to technical changes.

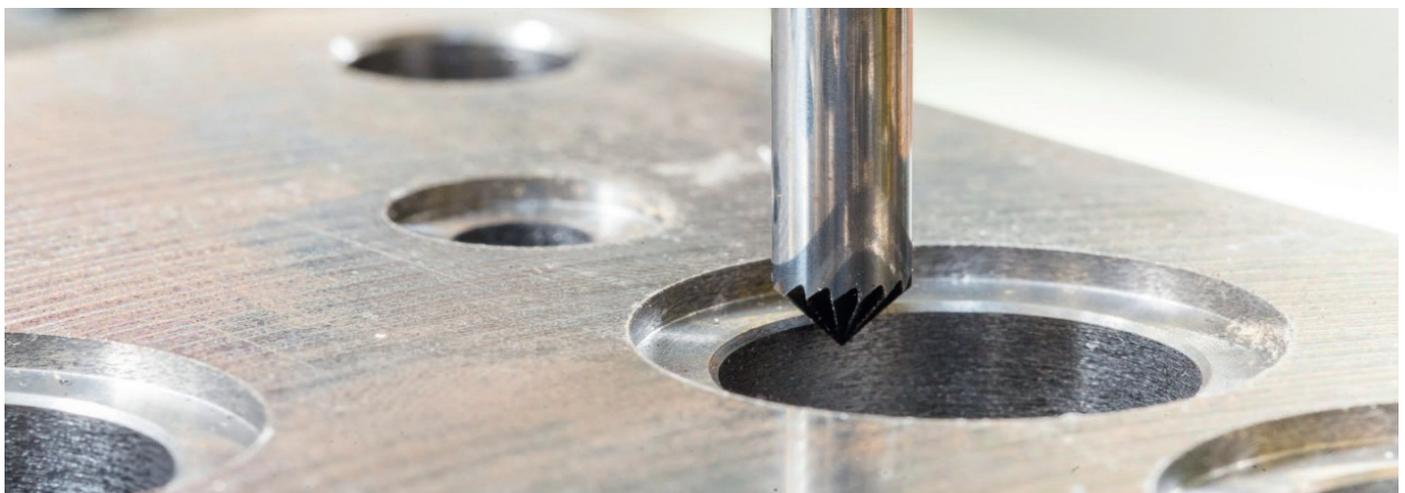
17 Carbide burrs TCL - Conical shape 60°



Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
3 mm Shank-Ø d2								
KSJ ---	TCL 0303	3	3	2,5	40	---	001 952 041	---
6 mm Shank-Ø d2								
KSJ 0605.06	TCL 0606	6	6	5	50	001 952 170	001 952 775	001 952 171
KSJ 1013.06	TCL 1006	6	10	13	58	001 952 261	001 952 776	001 952 262
KSJ ---	TCL 1206	6*	12	14	59	001 952 341	001 952 777	001 952 342
KSJ 1613.06	TCL 1606	6*	16	13	58	001 952 428	001 952 778	001 952 429

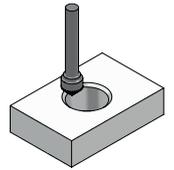
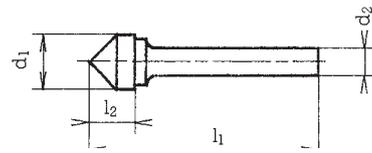
Special BIAX-Cuts

Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 2	Cut 14 ALU-CUT	Cut 10 superfine
3 mm Shank-Ø d2								
KSJ ---	TCL	3	3	2,5	40	---	---	---
6 mm Shank-Ø d2								
KSJ 0605.06	TCL 0606	6	6	5	50	---	001 952 769	---
KSJ 1013.06	TCL 1006	6	10	13	58	---	001 952 770	---
KSJ ---	TCL 1206	6*	12	14	59	---	001 952 771	---
KSJ 1613.06	TCL 1606	6*	16	13	58	---	001 952 772	---



! The carbide burrs marked with * are alternatively available with shank Ø 8 mm on request. (only cut 2, 3, 5 & 63).
All above dimensions + cuts of this head shape are alternatively available with coating on request. (Minimum purchase 10 pcs.)
Subject to technical changes.

18 Carbide burrs TCM - Conical shape 90°



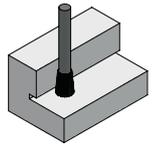
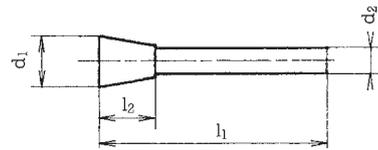
Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
3 mm Shank-Ø d2								
KSK ---	TCM 0303	3	3	2,5	40	---	001 952 043	---
KSK ---	TCM 1003	3	10	5	55	---	---	001 985 408
6 mm Shank-Ø d2								
KSK 0605.06	TCM 0606	6	6	5	50	001 952 174	001 952 175	001 952 176
KSK 1010.06	TCM 1006	6	10	10	55	001 952 265	001 952 266	001 952 267
KSK ---	TCM 1206	6*	12	14	59	001 952 345	001 952 346	001 952 347
KSK 1613.06	TCM 1606	6*	16	13	58	001 952 431	001 952 783	001 952 432

Special BIAX-Cuts

Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 2	Cut 14 ALU-CUT	Cut 10 superfine
3 mm Shank-Ø d2								
KSK ---	TCM 0303	3	3	2,5	40	---	---	---
KSK ---	TCM 1003	3	10	5	55	---	---	---
6 mm Shank-Ø d2								
KSK 0605.06	TCM 0606	6	6	5	50	001 952 173	---	---
KSK 1010.06	TCM 1006	6	10	10	55	001 952 264	---	---
KSK ---	TCM 1206	6*	12	14	59	001 952 344	001 952 797	---
KSK 1613.06	TCM 1606	6*	16	13	58	001 952 779	---	---

! The carbide burrs marked with * are alternatively available with shank Ø 8 mm on request. (only cut 2, 3, 5 & 63).
All above dimensions + cuts of this head shape are alternatively available with coating on request. (Minimum purchase 10 pcs.)
Subject to technical changes.

19 Carbide burrs TCN - Conical shape, inverted

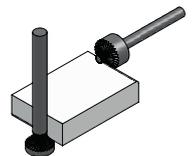
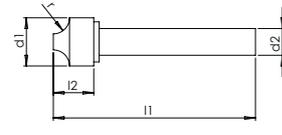
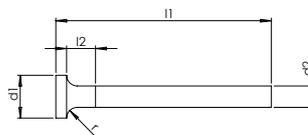


Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
3 mm Shank-Ø d2								
WKN 0307.03	TCN 0303	3	3	7	40	---	001 952 045	001 952 046
WKN 0607.03	TCN 0603	3	6	7	37	---	001 952 117	001 952 118
6 mm Shank-Ø d2								
WKN 0607.06	TCN 0606	6	6	7	50	001 952 177	---	001 952 178
WKN 1010.06	TCN 1006	6	10	10	55	001 952 791	---	001 952 269
WKN 1213.06	TCN 1206	6*	12	13	58	001 952 792	---	001 952 349
WKN 1619.06	TCN 1606	6*	16	19	64	upon request	---	upon request

Special BIAX-Cuts

Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 2	Cut 14 ALU-CUT	Cut 10 superfine
3 mm Shank-Ø d2								
WKN 0307.03	TCN 0303	3	3	7	40	---	---	---
WKN 0607.03	TCN 0603	3	6	7	37	---	---	---
6 mm Shank-Ø d2								
WKN 0607.06	TCN 0606	6	6	7	50	---	001 952 788	---
WKN 1010.06	TCN 1006	6	10	10	55	---	001 952 789	---
WKN 1213.06	TCN 1206	6*	12	13	58	---	001 952 790	---

20 Carbide burrs TCO - Deburring shape



Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 3	Cut 5	Cut 63
6 mm Shank-Ø d2								
---	TCO 1006-3	Forward deburrer (outside)	8	6	2 to 10	15	55	001 952 477
---	TCO 1206-3		8	6	6 to 12	25	65	001 952 479
---	TCO 1306-3		10	6	3 to 13	15	55	001 952 480
8 mm Shank-Ø d2								
---	TCO 1608-3	Reverse deburrer (inside)	6	8	8 to 16	18	120	001 952 481
---	TCO 1808-3		8	8	8 to 18	18	120	001 952 482
---	TCO 2208-3		10	8	8 to 22	18	120	001 952 483

! The carbide burrs marked with * are alternatively available with shank Ø 8 mm on request. (only cut 2, 3, 5 & 63).

All above dimensions + cuts of this head shape are alternatively available with coating on request. (Minimum purchase 10 pcs.) Subject to technical changes.

21 Solid carbide burrs for contour deburring machines

Pic.	Order-No.	Ø Shank d2 mm	Ø Head d1 mm	Ø Bearing	No. of teeth	Bevel angle	Guide stop	Material to be processed
1	001 985 403	6	6	5,5	3 Teeth	45°	with plastic sleeve	Universal use
2	001 985 404	6	6	5,5	5 Teeth	45°	with plastic sleeve	Universal use
3	001 985 405	6	10	without	12 Teeth	45°	without guide	Universal use
4	001 985 406	6	6	3	3 Teeth	45°	with ball bearing guide + plastic sleeve	Universal use
5	001 985 407	6	10	5	6 Teeth	45°	with ball bearing guide	Universal use

Pic. 1 - 001 985 403

Pic. 2 - 001 985 404

Pic. 3 - 001 985 405



Pic. 4 - 001 985 406

Pic. 5 - 001 985 407



! Subject to technical changes.

22 Special burrs

The following table is a guideline for the maximum length of the long shaft burrs with respect to the head diameter d1.



Ø Shank mm	Shank-length max. mm	Ø Head mm	Exceptions
3	48	4-6	---
6	180	8-16	x
6	250	8-10	x
8	80	ab Ø 12	---
8	100	10-14	---

x = TCD Ø 20mm / TCD Ø 14mm / TCE Ø 12mm / TCF Ø 12mm



To calculate the maximum overall length I1 add the maximum shaft length to the head length I2.

- All special versions are available upon request in accordance with the maximum lengths stated above.
- If the raw material is available in stock, the delivery time is approximately 4-6 weeks.
- Minimum order quantity = 25 pieces.
- For special versions we reserve the right to over deliver and under deliver by 10% (minimum of 1 piece in each case).
- Please note that the concentricity accuracy can not be guaranteed for overlengths.
- We recommend lowering the speed for overlengths.

! **Observe safety instructions!**

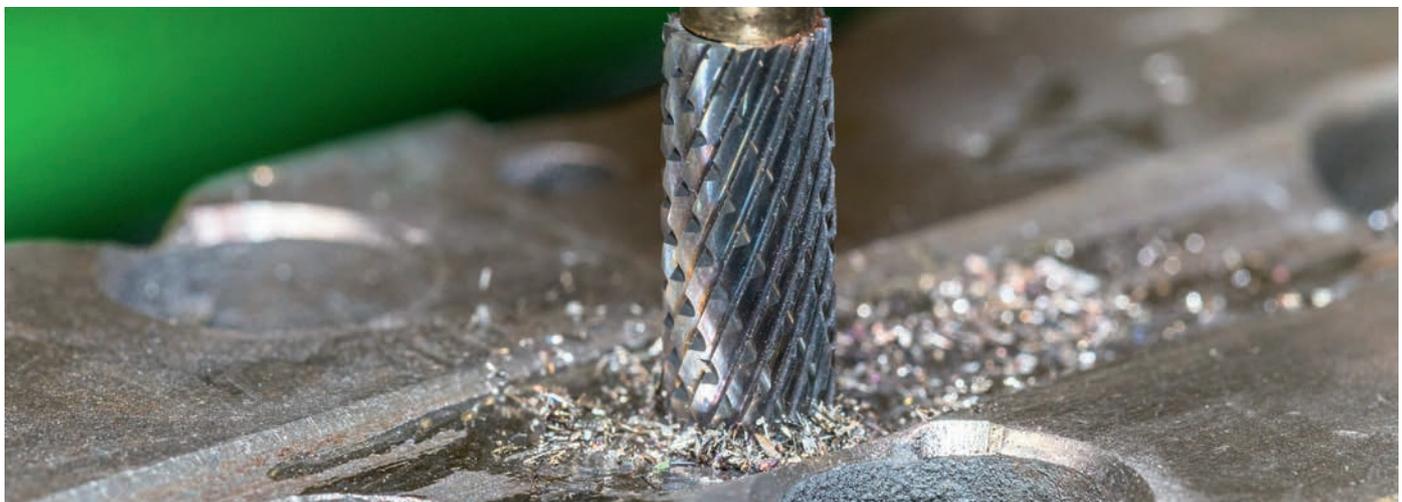
Risk of kinking

When using long shafts, it is essential to use a lower rotational speed for safety reasons. Otherwise, there is a risk of the shafts kinking.

23 Cut 63 PERFORMANCE



head-shape	Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 63 PERFORMANCE
3 mm Shank-Ø d2							
Cylindrical shape	ZYA 0313.03	TCA 0303	3	13	13	40	001 952 880
	ZYA 0410.03	TCA 0403	3	10	10	40	001 952 881
	ZYA 0613.03	TCA 0603	3	13	13	43	001 952 882
Ball shape	KUD 0302.03	TCD 0303	3	2,8	2,8	40	001 952 886
	KUD 0403.03	TCD 0403	3	3,5	3,5	34	001 952 887
	KUD 0605.03	TCD 0603	3	5	5	39	001 952 888
Arch shape, pointed nose	SPG 0313.03	TCH 0313	3	13	13	40	001 952 892
	SPG 0613.03	TCH 0603	3	13	13	43	001 952 893
Conical shape, pointed nose	SKM 0310.03	TCI 0303	3	10	10	43	001 952 897
	SKM 0613.03	TCI 0603	3	13	13	43	001 952 898
6 mm Shank-Ø d2							
Cylindrical shape	ZYA 0416.06	TCA 0406	6	4	16	50	001 952 883
	ZYA 0616.06	TCA 0606	6	6	16	50	001 952 884
	ZYA 0820.06	TCA 0806	6	8	20	65	001 952 885
Cylindrical shape, round nose	WRC 1020.06	TCC 1006	6	10	20	65	001 952 941
	WRC 1225.06	TCC 1206	6	12,7	25	70	001 952 940
Ball shape	KUD 0403.06	TCD 0406	6	4	3,5	50	001 952 889
	KUD 0605.06	TCD 0606	6	6	5	50	001 952 890
	KUD 0807.06	TCD 0806	6	8	6,5	51	001 952 891
Arch shape, round nose	RBF 1020.06	TCG 1006	6	10	20	65	001 952 939
	RBF 1225.06	TCG 1216	6	12,7	25	70	001 952 938
Arch shape, pointed nose	SPG ---	TCH 0406	6	4	13	50	001 952 894
	SPG 0616.06	TCH 0606	6	6	16	60	001 952 895
	SPG ---	TCH 0806	6	8	18	63	001 952 896
Conical shape, pointed nose	SKM 0616.06	TCI 0606	6	6	16	50	001 952 899



! All above-mentioned dimensions + cuts of this head-shape are available upon request. (Minimum order quantity 10 pcs.)
Subject to technical changes.

24 Cut 14 PERFORMANCE



head-shape	Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 14 ALU-CUT PERFORMANCE
3 mm Shank-Ø d2							
Cylindrical shape	ZYA 0313.03	TCA 0303	3	3	13	40	001 952 853
	ZYA 0410.03	TCA 0403	3	4	10	40	001 952 854
	ZYA 0613.03	TCA 0613	3	6	13	43	001 952 855
Ball shape	KUD 0302.03	TCD 0303	3	3	2,5	38	001 952 859
	KUD 0403.03	TCD 0403	3	4	3,5	34	001 952 860
	KUD 0605.03	TCD 0603	3	6	5	39	001 952 861
Arch shape, pointed nose	SPG 0313.03	TCH 0313	3	3	12,7	38	001 952 865
	SPG 0613.03	TCH 0603	3	6	13	43	001 952 866
Conical shape, pointed nose	SKM 0310.03	TCI 0303	3	3	11	38	001 952 870
	SKM 0613.03	TCI 0603	3	6	13	43	001 952 871
6 mm Shank-Ø d2							
Cylindrical shape	ZYA 0416.06	TCA 0406	6	4	16	50	001 952 856
	ZYA 0616.06	TCA 0606	6	6	16	50	001 952 857
	ZYA 0820.06	TCA 0806	6	8	20	65	001 952 858
Ball shape	KUD 0403.06	TCD 0406	6	4	3,5	50	001 952 862
	KUD 0605.06	TCD 0606	6	6	5	50	001 952 863
	KUD 0807.06	TCD 0806	6	8	6,5	51	001 952 864
Arch shape, pointed nose	SPG ---	TCH 0406	6	4	13	50	001 952 867
	SPG 0616.06	TCH 0606	6	6	16	60	001 952 868
	SPG ---	TCH 0806	6	8	18	63	001 952 869
Conical shape, pointed nose	SKM 0616.06	TCI 0606	6	6	16	50	001 952 872

25 Cut 16 - Composite



Descr. according DIN 8033	BIAX-Descr.	Ø Shank d2 mm	Ø Head d1 mm	Length Head l2 mm	Length total l1 mm	Cut 16 Composite
3 mm Shank-Ø d2						
similar ZYA	TCP 0303	3	3	13	43	001 952 874
similar ZYA	TCP 0403	3	4	6	36	001 952 875
similar ZYA	TCP 0603	3	6	13	43	001 952 876
6 mm Shank-Ø d2						
similar ZYA	TCP 0406	6	4	13	53	001 952 877
similar ZYA	TCP 0606	6	6	16	56	001 952 878
similar ZYA	TCP 0806	6	8	20	60	001 952 879

26 Rotary burrs sets

With the rotary burr sets, you always have the **right burr ready for different tasks**. In addition, these **sets are significantly cheaper than buying the burrs individually**, making them the perfect option for **trying out different types of burrs**.

Rotary burr set „UNIVERSAL/FINE“ shank-Ø 3 mm Order-No. SET: 300 000 110

consisting of 1 pcs. each	Cut	Ø Shank d2 in mm	Order-No. for single burr
TCI 0303*	5	3	001 952 037
TCD 0303*	5	3	001 952 020
TCG 0303*	63	3	001 952 030
TCC 0303*	63	3	001 952 018
TCH 0603*	63	3	001 952 112



Rotary burr set „SUPERFINE“ Shank-Ø 3 mm Order-No. SET: 300 006 910

consisting of 1 pcs. each	Cut	Ø Shank d2 in mm	Order-No. for single burr
TCI 0303*	10 - superfine	3	001 952 917
TCI 0603*	10 - superfine	3	001 952 918
TCH 0313*	10 - superfine	3	001 952 912
TCD 0303*	10 - superfine	3	001 952 906
TCA 0303*	10 - superfine	3	001 952 900



Rotary burr set „PERFORMANCE“ Shank-Ø 3 mm Order-No. SET: 300 003 510

consisting of 1 pcs. each	Cut	Ø Shank d2 in mm	Order-No. for single burr
TCI 0303*	14 with coating ZrN	3	001 952 870
TCI 0303*	63 with coating TiAlN	3	001 952 897
TCH 0313*	14 with coating ZrN	3	001 952 865
TCH 0313*	63 with coating TiAlN	3	001 952 892
TCA 0303*	14 with coating ZrN	3	001 952 853
TCA 0303*	63 with coating TiAlN	3	001 952 880



! *Dimensions see respective product page in the front section of the catalog
Subject to technical changes.

Rotary burr set „UNIVERSAL“ Shank-Ø 6 mm Order-No. SET: 300 007 110

consisting of 1 pcs. each	Cut	Ø Shank d2 in mm	Order-No. for single burr
TCH 0606*	63	6	001 952 156
TCF 0606*	63	6	001 952 144
TCA 0606*	63	6	001 952 122
TCD 0806*	63	6	001 952 209
TCC 0606*	63	6	001 952 133



Rotary burr set „PERFORMANCE“ Shank-Ø 6 mm Order-No. SET: 300 006 810

consisting of 1 pcs. each	Cut	Ø Shank d2 in mm	Order-No. for single burr
TCI 0606*	14 with coating ZrN	6	001 952 872
TCI 0606*	63 with coating TiAlN	6	001 952 899
TCA 0606*	14 with coating ZrN	6	001 952 857
TCA 0606*	63 with coating TiAlN	6	001 952 884
TCH 0606*	14 with coating ZrN	6	001 952 868
TCD 0606*	63 with coating TiAlN	6	001 952 890



! *Dimensions see respective product page in the front section of the catalog
Subject to technical changes.



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