



Your demands are our standard.

Our tools are manufactured on a high quality standard, attaining very good results and a very long service life. This is guaranteed by well-trained staff, use of high-grade raw material and continuous quality controls.

On developing new brushes, we work closely together with the leading machine manufacturers, since a lot of demands can only be accomplished if the tools and the machine match together.

Innovative and high-grade products are the solution for customer specifically demands. A constant development of new tools or the improvement of standard tools guarantee us an important share in the market.

By continually exchanging experience between the sales, development and production departments, we can react very quickly on new trends in the market.



Rotating speed (cutting speed) in meters per second

R.p.m.	Outside diameter of the tool in mm																
	20	40	50	80	100	125	150	180	200	250	300	350	400	500	600	700	800
100	0,1	0,2	0,3	0,4	0,5	0,7	0,8	0,9	1,0	1,3	1,6	1,8	2,1	2,6	3,1	3,7	4,2
200	0,2	0,4	0,5	0,8	1,0	1,3	1,6	1,9	2,1	2,6	3,1	3,7	4,2	5,2	6,3	7,3	8,4
300	0,3	0,6	0,8	1,3	1,6	2,0	2,4	2,8	3,1	3,9	4,7	5,5	6,3	7,9	9,4	11,0	12,6
400	0,4	0,8	1,0	1,7	2,1	2,6	3,1	3,8	4,2	5,2	6,3	7,3	8,4	10,5	12,6	14,7	16,7
500	0,5	1,0	1,3	2,1	2,6	3,3	3,9	4,7	5,2	6,5	7,9	9,2	10,5	13,1	15,7	18,3	20,9
600	0,6	1,3	1,6	2,5	3,1	3,9	4,7	5,7	6,3	7,9	9,4	11,0	12,6	15,7	18,8	22,0	25,1
700	0,7	1,5	1,8	2,9	3,7	4,6	5,5	6,6	7,3	9,2	11,0	12,8	14,7	18,3	22,0	25,6	29,3
800	0,8	1,7	2,1	3,3	4,2	5,2	6,3	7,5	8,4	10,5	12,6	14,7	16,7	20,9	25,1	29,3	33,5
900	0,9	1,9	2,4	3,8	4,7	5,9	7,1	8,5	9,4	11,8	14,1	16,5	18,8	23,6	28,3	33,0	37,7
1.000	1,0	2,1	2,6	4,2	5,2	6,5	7,9	9,4	10,5	13,1	15,7	18,3	20,9	26,2	31,4	36,6	41,9
1.200	1,3	2,5	3,1	5,0	6,3	7,9	9,4	11,3	12,6	15,7	18,8	22,0	25,1	31,4	37,7	44,0	50,2
1.400	1,5	2,9	3,7	5,9	7,3	9,2	11,0	13,2	14,7	18,3	22,0	25,6	29,3	36,6	44,0	51,3	58,6
1.500	1,6	3,1	3,9	6,3	7,9	9,8	11,8	14,1	15,7	19,6	23,6	27,5	31,4	39,3	47,1	55,0	62,8
1.800	1,9	3,8	4,7	7,5	9,4	11,8	14,1	17,0	18,8	23,6	28,3	33,0	37,7	47,1	56,5	65,9	75,4
2.000	2,1	4,2	5,2	8,4	10,5	13,1	15,7	18,8	20,9	26,2	31,4	36,6	41,9	52,3	62,8	73,3	83,7
2.500	2,6	5,2	6,5	10,5	13,1	16,4	19,6	23,6	26,2	32,7	39,3	45,8	52,3	65,4	78,5	91,6	104,7
2.800	2,9	5,9	7,3	11,7	14,7	18,3	22,0	26,4	29,3	36,6	44,0	51,3	58,6	73,3	87,9	102,6	117,2
3.000	3,1	6,3	7,9	12,6	15,7	19,6	23,6	28,3	31,4	39,3	47,1	55,0	62,8	78,5	94,2	109,9	125,6
3.200	3,3	6,7	8,4	13,4	16,7	20,9	25,1	30,1	33,5	41,9	50,2	58,6	67,0	83,7	100,5	117,2	134,0
3.500	3,7	7,3	9,2	14,7	18,3	22,9	27,5	33,0	36,6	45,8	55,0	64,1	73,3	91,6	109,9	128,2	146,5
4.000	4,2	8,4	10,5	16,7	20,9	26,2	31,4	37,7	41,9	52,3	62,8	73,3	83,7	104,7	125,6	146,5	167,5
4.500	4,7	9,4	11,8	18,8	23,6	29,4	35,3	42,4	47,1	58,9	70,7	82,4	94,2	117,8	141,3	164,9	188,4
5.000	5,2	10,5	13,1	20,9	26,2	32,7	39,3	47,1	52,3	65,4	78,5	91,6	104,7	130,8	157,0	183,2	209,3

Attention: The optimal rotating speed mainly depends on the kind of the tool and its application.

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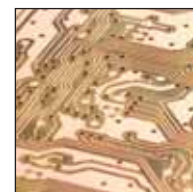
Deburring of punched pieces

Punched brushes

The punched brushes are fixed in single holes. Due to this way of production, we can individually satisfy your demands. The brush tool can be manufactured in a variety of densities and arrangements of trimming material depending on your specifications. Our modernly equipped production department allows us to manufacture the cores individually as well as the shape of the brushes, therefore enabling to reach the best results.

- Our brush tools are available in all current materials:
- Natural fibres: tampico, arenga, coconut fibre etc.
 - Animal hair: horsehair, chungking bristle, goat's hair etc.
 - Wires: stainless steel, steel, spring steel, brass, German silver, bronze etc.
 - Abrasive bristles (= nylon bristles with grit) in various grit sizes
 - Nylon bristles for different applications and constituencies

In order to prolong the service life of the brush tools and for a better adhesion of the polishing compound, we can additionally impregnate the tampico brushes. For this purpose, we have a variety of different impregnations.



Processing of printed circuit boards



Rounding edges



Satin- and matt-finishing

Non-woven tools

We distinguish between 2 main kinds of non-woven tools:

- **Non-woven flap rollers**
The non-woven material is fastened transversely to a water-resistant tube or to a plastic core. In order to prolong the service life, we can additionally impregnate the roller.
- **Convolved non-woven rollers**
The non-woven material is spirally wrapped around a water-resistant tube and foamed with polyurethane.
- **Special designs**
 - Non-woven flap tools with abrasive-coated material between the non-woven material
 - Non-woven cup brushes as flap brushes or as foamed, convoluted brushes
 - Non-woven waved buffs
 - Non-woven V-folded buffs

Our non-woven tools are available in all current materials and various densities:

- Aluminium carbide – grit # 80-280
- Silicium carbide – grit #100-1500

Since there are a multitude of possible variations (materials, grits, densities, impregnations etc.), we are able to optimally adjust our tools to your demands in order for you to reach the best results.



Polishing tools consisting of cotton and sisal

- **Cotton buffs**
(Foldings: M, Mini-L, L, WR, EK) available in a variety of different cotton qualities – from very hard cotton for pre-polishing to a very soft cotton for buffing and mirror finishing.
- **Sisal-cotton buffs**
(Foldings: WR, EK) used for pre-polishing. For prolongation of service life, we can additionally impregnate the buffs.
- **Sisal-cord brushes or rollers**
These brushes or rollers, too, can be additionally impregnated to prolong service life.

Our polishing tools are available with metal rings or cardboard cores.



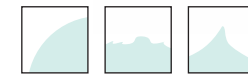
Polishing of rims



Polishing of ornamental mouldings



Polishing of varnished veneer



Special designs

- Abrasive-coated flap discs
- Abrasive-coated V-rings
- End-brushes
- Braided round and cup brushes
- Brush rings and round brushes

Further special designs on inquiry



Grinding of welded seams



Deburring



Grinding of surfaces

