

OSBORN
TOP



TOP High Performance
Power Brushes.
Superior Range for
Demanding Applications.

OSBORN
INTERNATIONAL

High Performance

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OSBORN.

Your competent partner for surface finishing tools - worldwide.

Organisations throughout the world trust in the quality and efficiency of OSBORN products. In 12 locations worldwide we are manufacturing brushes and abrasives of high quality for professional use in the industrial, trade and private sector. In Germany OSBORN International GmbH is located in Burgwald. High-performance power brushes made in Burgwald are sold all over the world. Special attention is of

course paid to the supply of the number of distributors in the German-speaking area.

International operating industrial partners always meet their requirements with OSBORN products for surface treatment and support of their plants in their vicinity.



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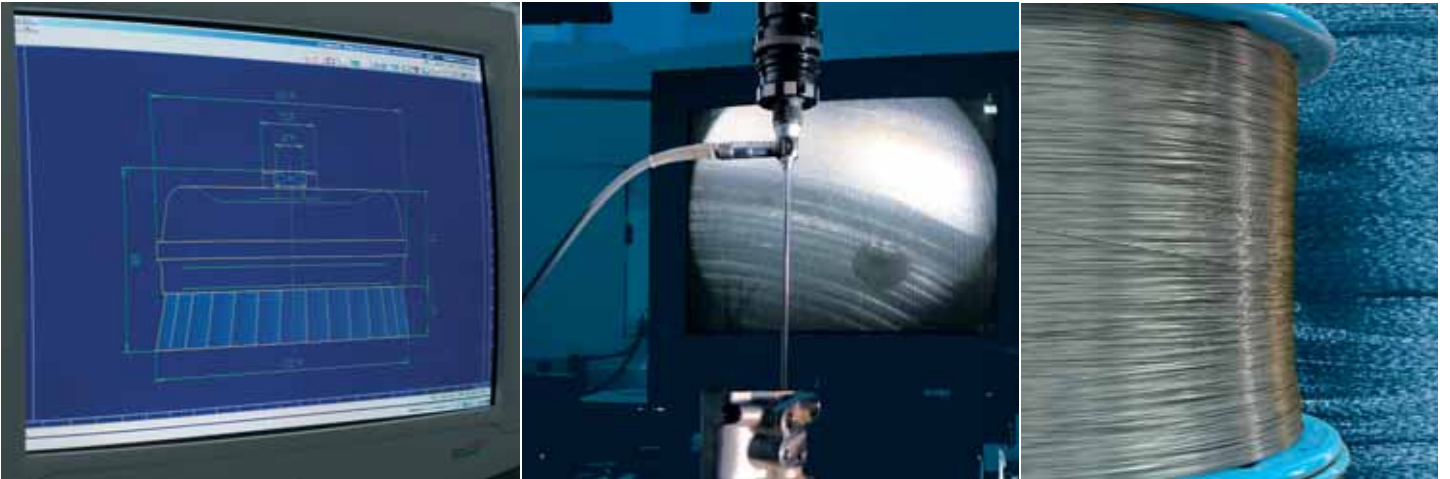
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Development. Testing. Production.

For products matching your requirements.

If you use OSBORN brushes or abrasives, you can be certain to use a product perfectly matched to your application. Every new product, which OSBORN introduces into the market, is tested in field trials for optimal functionality after the construction phase. Only in this way we can guarantee a perfect cooperation of machine and OSBORN brush. Customers and end users benefit from the large experience and exchange of information of our technicians who develop solutions

for the surface treatment all over the world. All experience gained is immediately integrated into the production; thus the manufacturing procedures are continuously modified. By doing this we maintain the high quality standard and the permanent extension of our technological lead.



OSBORN Quality.

Factor for efficient working.

Raw materials of high quality; experience of many years; highprecision manufacturing techniques; meticulous processing and professional finish: These are the criteria providing the constant high quality of OSBORN products. From blank to finished brush, quality assurance and control is firmly anchored in the OSBORN manufacturing processes. Product and quality controlling measures are integrated in every phase of production. The control of spot samples from the running production as well as the regular quality supervi-

sion by independent inspection institutes prove that OSBORN products sustain the essential quality criteria. The certification of all operational procedures as well as the product quality DIN EN ISO 9001:2000 achieved by OSBORN is therefore self evident. Furthermore, all products correspond to the standards of the European Community (EN 1083-1, EN 1083-2) and the production processes are in accordance with the regulations for prevention of accidents.



OSBORN Application.

Suitable products for every application of surface treatment.

A particular strength our customers appreciate all over the world: OSBORN offers products perfectly matched for each type of application meeting all requirements in regard of functionality, safety and efficiency during operation. OSBORN offers a wide range of brushes and abrasives that are developed and made for the specific needs of the user – from work piece cleaning to complex tasks of surface treatment. One of OSBORN's core competences is the integration of

brushes into plant engineering processes. Engineering and development, as well as the high product quality standard, guarantee optimal performance in production processes.



OSBORN Service.

Technology alone is not sufficient for us.

OSBORN customers benefit from the advantages of a strong, international operating enterprise.

The large product assortment is of course stocked appropriately – rapid deliveries enable uninterrupted working processes at the customer's site.

Through ultra-modern, computer controlled transport and storing systems OSBORN is in the position to deliver goods ordered within 24 hours. Moreover, web-based purchasing platforms and open EDP-systems facilitate the whole process

from providing quotations to invoicing. Availability, flexibility and quick reaction to customer requirements are therefore a real advantage for users of OSBORN quality products.

OSBORN's sales engineers are at the customer's disposal to answer technical questions and to assist in the specific product selection.



Technical information.

Rules to be observed.



Brush diameter and trim length of fill material

The brush diameter and length of fill material are the determining factors for the surface working result.

A combination of smaller diameter brush body and greater length of fill material results in soft and flexible brushes which are ideally suitable for the treatment of structured workpieces and for easy, gentle surface working.

A larger diameter of the brush body and smaller length of fill material result in more aggressive brushes which can be used for deburring and removal of tougher dirt.

For most efficient surface working, please select the maximum brush diameter, which can be mounted on the respective driving device. The peripheral speed and consequently the performance of the brush can be influenced by the brush diameter.

Important: Portable machines must only be used with brushes with maximum 180 mm diameter!

Work- and safety r.p.m. during brushing

To entirely fulfil the requirements of workplace safety the maximum safety r.p.m. indicated on the products must not be exceeded under any circumstances.

The optimal work r.p.m. for the brushing of work pieces is defined by peripheral speed and brush diameter. The optimal r.p.m. during operation is therefore often appreciably less than the safety r.p.m.

Operating Speed & Maximum Safe Free Speed (MSFS)

To guarantee your safety, please select the largest possible brush diameter that can be used on your driving device. Standard values for safe peripheral speeds are approx. 30-35 m/sec for brushes with crimped wires, 18-22 m/sec for brushes with synthetic filaments and plastic bonded fill materials.

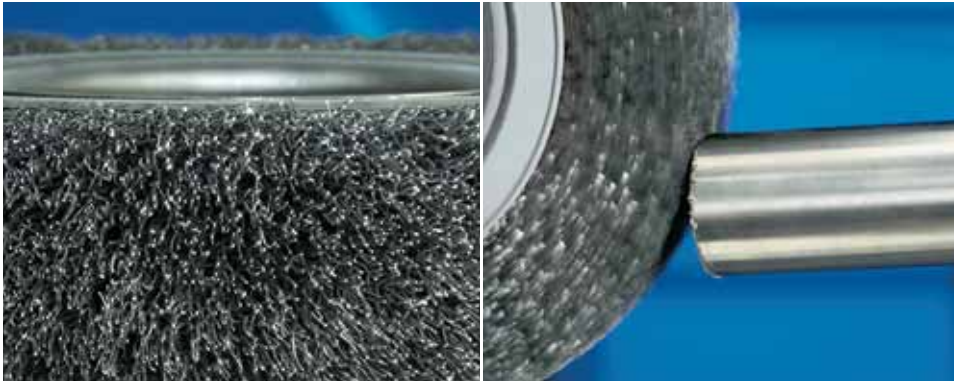
For further recommendations of optimal work speeds and driving power, please refer to the tables listed in this catalogue or contact our technical service for assistance.

Optimal positioning of the brush towards the work piece: The contact pressure of a brush is among other things defined by the depth of insertion in the work piece. Our recommendation is the 3-fold filament diameter, e.g. 1.0 mm depth of insertion for 0.35 mm diameter of wire.

We are pleased to answer your questions regarding the optimal positioning of the work piece towards the brush centre.

Chart of brush and operating adjustments to obtain the desired results

Observed defects	Suggested corrections
Brushing effect too little	Increase surface speed by increasing a) brush diameter, b) RPM Decrease trim length Increase diameter of fill material (e.g. use .35 wire instead of .30 wire, or use Korfil-E grit 120 instead of grit 180)
Brushing effect too heavy	Reduce surface speed by reducing a) brush diameter, b) RPM Increase trim length Decrease diameter of fill material (e.g. use .30 wire instead of .35 wire, or use Korfil-E grit 180 instead of grit 120)
Action of brush peens burr to adjacent surfaces	Decrease trim length Check position of brush and work piece
Finish too coarse and unequal	Decrease trim length Decrease diameter of fill material of Korfil-E grit size Increase surface speed by increasing a) brush diameter, b) RPM
Finish too smooth and bright	Increase trim length Increase diameter of fill material of Korfil-E grit size Reduce surface speed by reducing a) brush diameter, b) RPM



Fill material density of the brush

The fill material density depends on the number of wire tips per surface unit. High fill material densities are the basis for optimal cutting performance and service life of the brushes as well as perfect results, e.g. during deburring. Low fill material densities increase the flexibility of the brush and are the prerequisite for the treatment of strongly profiled surfaces. If the brush diameter stays the same, the fill material density can be influenced by the measure of the body.

Working- and clamping width of the brush

The working width describes the contact surface of the brush on the work piece. The rotational speed of the brush during operation may influence the indicated maximum working width. To measure the working width, please press the fill material surface slightly together. The clamping width of the brush is measured between the clamping adaptors and normally differs from the working width.

Assembly instructions

Before mounting of the brush please consider the following:

- The r.p.m. of your machine's driving shaft must not exceed the maximum safety r.p.m. of the brush!
- The length of the drive shaft should be dimensioned in a way, that an absolutely firm seat of the spindle nut is guaranteed.
- Brushes with clamping shank can be mounted easily in customary drill chucks.
- The connecting threads of brushes are fitted with adapted key faces for easy mounting and dismounting.

Table of surface speeds in metres per sec.

rpm	Brush diameter in mm												
	20	40	50	80	100	125	150	180	200	250	300	350	
800	3,35	4,19	5,23	6,28	7,53	8,37	10,47	12,56	14,75				
900	2,35	3,77	4,71	5,88	7,06	8,48	9,41	11,77	14,12	16,47			
1.150	3,01	4,81	6,01	7,52	9,02	10,83	12,03	15,04	18,04	21,04			
1.200	1,26	2,51	3,14	5,02	6,28	7,85	9,41	11,30	12,55	15,69	18,83	21,97	
1.400	1,46	2,93	3,66	5,86	7,32	9,15	10,98	13,18	14,64	18,31	21,97	25,63	
1.500	1,57	3,14	3,92	6,28	7,85	9,81	11,77	14,13	15,69	19,61	23,54	27,46	
1.800	1,88	3,77	4,71	7,54	9,41	11,77	14,12	16,95	18,83	23,54	28,24	32,95	
2.000	2,09	4,19	5,23	8,37	10,26	13,08	15,69	18,84	10,92	26,15	31,38	36,61	
2.500	2,62	5,23	6,54	10,47	13,08	16,35	19,61	23,55	26,15	32,67	39,23	45,76	
2.800	2,93	5,86	7,32	11,72	14,64	18,31	21,97	26,37	29,29	36,61	43,93	51,25	
3.000	3,14	6,28	7,85	12,56	15,69	19,62	23,54	28,26	31,38	39,23	47,07	54,92	
3.200	3,35	6,70	8,37	13,40	16,74	20,92	25,10	30,14	33,47	41,84	50,21	58,58	
3.500	3,66	7,33	9,15	14,65	18,31	22,89	27,46	32,97	36,61	45,76	54,92	64,07	
4.000	4,19	8,37	10,46	16,75	20,92	26,16	31,38	37,68	41,84	52,33	62,76	73,22	
4.500	4,70	9,42	11,77	18,84	23,54	29,43	35,30	42,40	47,07	58,84	70,61	82,43	
5.000	5,23	10,47	13,08	20,93	26,15	32,70	39,23	47,10	52,33	65,38	78,50		
5.400	5,65	11,30	14,12	22,94	28,24	35,31	42,36	50,67	56,48	70,61	84,78		
6.000	6,28	12,56	15,69	25,12	31,38	39,24	47,07	56,52	62,76	78,50			
7.000	7,33	14,66	18,31	29,31	36,61	45,78	54,92	65,94	73,22	91,58			
8.000	8,37	16,75	20,92	33,94	41,48	52,32	62,76	75,36	83,73				
9.000	9,42	18,84	23,54	37,68	47,07	58,86	70,61	84,78	94,20				
10.000	10,47	20,93	26,17	41,86	52,33	65,40	78,50	94,20					
12.500	13,08	26,17	32,71	52,33	65,42	81,75	98,13						
15.000	15,70	31,40	39,25	62,80									
17.500	28,32	36,63	45,79	73,26									
20.000	20,93	41,87	52,33	83,73									
22.500	23,55	47,10	58,88	94,20									
25.000	26,17	52,33	65,42	104,66									

Table of surface speeds in metres per sec.
Which speed for which brush? Our technical sales department will advise you

$$\text{Surface speed (v)} = \frac{\text{Brush diameter (d)} \times \pi \times \text{speed (n)}}{1000 \times 60}$$

General safety instructions

We strongly recommend the wearing of safety clothing and protective goggles during brushing in order to exclude possible injuries through extraneous elements, dirt, rust, and burr residuals. No persons without protective clothing should stand in the direct vicinity of the work area of the brush. In the interest of your own safety and that of your co-workers, please observe all instructions regarding work safety, the recommended work- and safety r.p.m.s of OSBORN products as well as the recommendations and operating instructions of the manufacturers of the driving device you use.

Fill materials

The right material.



For our high quality products we only use fill materials that have been developed by us or which have been specifically selected. Constant laboratory tests assure a high quality. Regardless of the task to be performed, we have a comprehensive range of fill materials available. Our technical sales department will be pleased to advise you on the ideal fill material for your particular application.

Original OSBORN steel wire, crimped and knotted



- OSBORN developed, unique high performance steel wire
- guaranteed and consistently controlled quality
- great tensile strength
- high elongation
- long brush life
- economical profitable brush life

Original stainless OSBORN steel wire, crimped and knotted



- see above
- most commonly used alloy 1.4401
- other alloys are also available (1.4571 oder 302)
- This wire is used where residues from normal steel wire would affect surfaces such as stainless steel, aluminium and other non-ferrous metals.

Plastic bonded steel wire



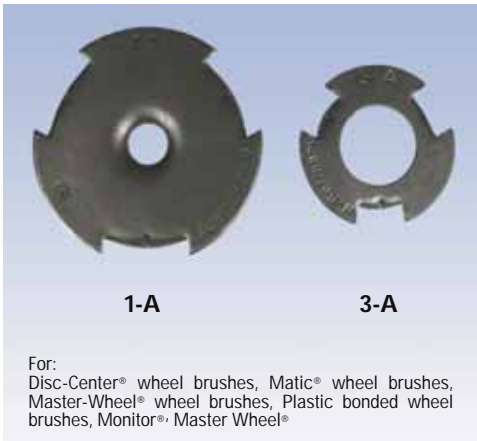
- with synthetic filling compound bonded crimped steel wire
- long brush life
- wire does not break

Korfil-E® (Si C)



- nylon filaments impregnated with silicon carbide
- uniform abrasive actions ensured by the filament construction
- high elasticity and flexibility without danger of breaking
- residues will not clog up the fill material
- low absorption rate makes the product suitable for both, wet and dry applications
- resistant to weak acids and alkaline solutions
- long brushlife ensured by: adequate RPM (22m/sec. tip speed; low contact pressure; low heat development)

Adapters and drive arbors

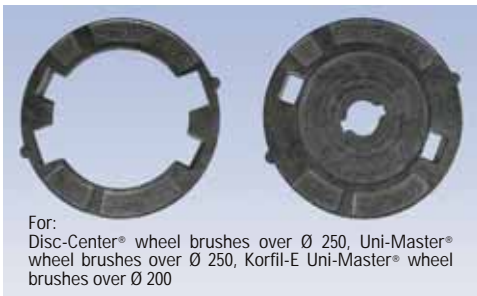


1-A / 3-A adapter [mm]
interchangeable metal adapters

Ø of arbor hole mm	1-A Item No.	3-A Item No.
6	---	0103-075 306
10	0103-075 210	0103-075 310
12	0103-075 212	0103-075 312
13	0103-075 213	0103-075 313
15	0103-075 215	0103-075 315
16	0103-075 216	0103-075 316
17	0103-075 217	---
20	0103-075 220	0103-075 320
25	0103-075 225	0103-075 325
30	0103-075 230	---
32	0103-075 232	---
35	0103-075 235	---
40	0103-075 240	---

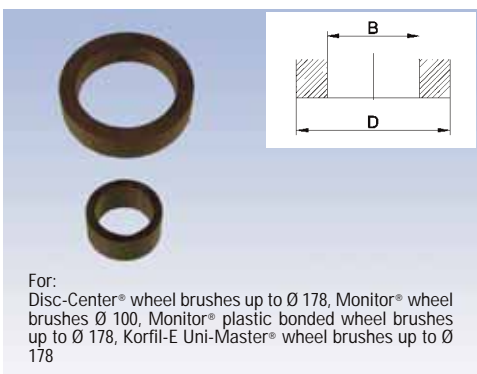
1-A / 3-A adapter [inch]
interchangeable metal adapters

Ø of arbor hole inch	A-1 Item No.	A-3 Item No.
1/4"	0103-075 019	0103-075 046
3/8"	0103-075 020	0103-075 047
1/2"	0103-075 021	0103-075 048
5/8"	0103-075 022	0103-075 049
3/4"	0103-075 023	0103-075 050
7/8"	0103-075 024	0103-075 051
1"	0103-075 025	0103-075 052
1/8"	0103-075 026	---
1 1/4"	0103-075 027	---
1 1/2"	0103-075 028	---



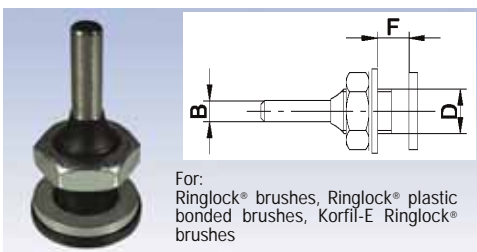
4-M adapter
interchangeable metal adapters

Ø of arbor hole mm			Item No.	Ø of arbor hole inch			Item No.
12,7	1/2"		0003-075 064	28	1 1/8"		0003-075 069
15,9	5/8"		0003-075 065	31,8	1 1/4"		0003-075 070
19	3/4"		0003-075 066	38	1 1/2"		0003-075 071
22,2	7/8"		0003-075 067	44,5	1 3/4"		0003-075 072
25,4	1"		0003-075 068	50,8	2"		0003-075 073



F - Fibre adapter

D mm	inch	B mm	inch	Item No.
9,53	3/8"	6,35	1/4"	0003-000 201
12,7	1/2"	6,35	1/4"	0003-000 211
12,7	1/2"	9,53	3/8"	0003-000 212
15,9	5/8"	6,35	1/4"	0003-000 221
15,9	5/8"	9,53	3/8"	0003-000 222
15,9	5/8"	12,7	1/2"	0003-000 223
22,2	7/8"	9,53	3/8"	0003-000 242
22,2	7/8"	12,7	3/8"	0003-000 243
22,2	7/8"	15,9	5/8"	0003-000 244
22,2	7/8"	19	3/4"	0003-000 245



Drive arbors

D mm	inch	B mm	inch	max. F	Item No.
9,53	3/8"	6	---	11	9907-075 128
12,7	1/2"	6	---	11	9907-075 129
15,9	5/8"	6	---	11	9907-075 130

The standard stocked items are printed in **bold type!**

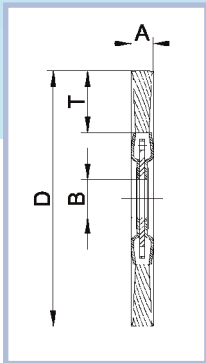
Wheel brushes, knotted

Applications



Wheel brushes, knotted

DISC CENTER® wheel brushes for single handed grinders and horizontal grinders



An aggressive model for use at high surface speed for descaling, deburring, removing rust and adhesive residues and for preparing and cleaning welding seams.

DISC CENTER® wheel brushes

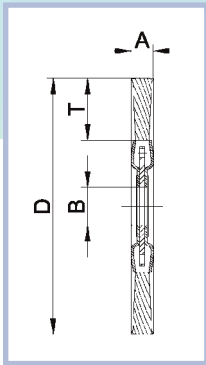
for single handed angle grinders and horizontal grinders

Dimensions			Arbor hole B mm	Thread G	Orig. OSBORN steel wire			Orig. stainless OSBORN steel wire		Adapter	MSFS RPM	Pack. Qty.	
D mm	A mm	T mm			0,30 Item No.	0,35 Item No.	0,50 Item No.	0,35 Item No.	0,50 Item No.				
Ø 75													
75	8	17	13	1/2"	---	---	9906-026 001	9906-026 002	---	---	F	20.000	12
75	13	17	13	1/2"	---	9906-026 010	9906-026 011	9906-026 012	---	---	F	20.000	12
Ø 100													
100	13	22	16	5/8"	---	9906-026 115	9906-026 116	9906-026 117	9906-026 218	---	F	18.000	12
100	13	22	22,2	7/8"	---	9906-026 280	---	9906-026 281	---	---	F	18.000	12
100	10	20	---	---	M14x2	---	9906-026 355	---	---	---	---	18.000	12
100	10	20	---	---	M10x1,25	---	9906-026 356	---	---	---	---	18.000	12
100	10	20	---	---	5/8"NC	---	9906-026 359	---	---	---	---	18.000	12
100	6	20	---	---	M14x2	---	---	9906-026 365	---	---	---	18.000	12
100	6	20	---	---	M10x1,25	---	---	9906-026 366	---	---	---	18.000	12
100	6	20	---	---	5/8"NC	---	---	9906-026 369	---	---	---	18.000	12
Ø 115													
115	6	20	22,2	7/8"	---	---	0002-626 301	2906-026 501	---	0002-626 650	---	12 500	12
115	6	27	---	---	M14x2	---	0002-626 305	0002-626 505	---	0102-626 655	---	12 500	12
115	6	27	---	---	5/8"NC	---	0002-626 309	0002-626 509	---	0002-626 659	---	12 500	6
115	12	23	22,2	7/8"	---	---	0002-631 131	0002-631 151	0002-631 331	0002-631 351	---	12 500	1
Ø 125													
125	6	25	22,2	7/8"	---	---	0002-626 311	0002-626 251	---	0002-626 651	---	12 500	12
125	6	25	---	---	M14x2	---	0002-626 315	0012-626 251	---	0002-626 656	---	12 500	1
125	6	25	---	---	5/8"NC	---	0002-626 319	0802-626 251	---	0002-626 660	---	12 500	12
125	13	28	22,2	7/8"	---	---	6152-631 131	2202-631 151	2202-631 331	2202-631 351	---	12 500	1
125	13	28	---	---	M14x2	---	1402-631 131	1402-631 151	1402-631 331	1402-631 351	---	12 500	1
125	12	23	---	---	5/8"NC	---	0802-631 131	0802-631 151	0802-631 331	0802-631 351	---	12 500	10

Other threads, dimensions and wire sizes on request! The standard stocked items are printed in bold type!

Wheel brushes, knotted

DISC CENTER® wheel brushes for angle grinders and stationary machines



Ideal for preparing and cleaning welding seams, deburring, removing rust, descaling and removing adhesive residues.

For use on hand tools of up to 178 mm diameter.

DISC CENTER® wheel brushes

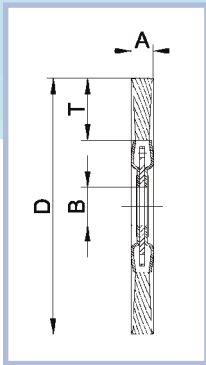
for angle grinders and stationary machines

Dimensions			Arbor hole B mm	Thread G	Orig. OSBORN steel wire			Orig. stainless OSBORN st. 0,40 Item No.	Adapter	MSFS RPM	Pack. Qty.		
D mm	A mm	T mm			0,30 Item No.	0,35 Item No.	0,50 Item No.					0,63 Item No.	
Ø 150													
150	6	38	22,2	7/8"	---	---	---	9906-026 501	---	---	F	12.000	12
150	25	38	22,2	7/8"	---	9906-026 246	9906-026 247	---	---	9906-026 629	F	12.000	12
150	13	38	22,2	7/8"	---	---	---	---	9906-026 249	---	F	12.000	12
150	6	38	---	---	M14x2	---	---	9906-026 500	---	---	---	12.000	10
150	6	38	---	---	5/8"NC	---	---	9906-026 045	---	---	---	12.000	10
150	25	38	---	---	5/8"NC	---	---	---	9906-026 047	---	---	12.000	10
Ø 165													
165	6	32	22,2	7/8"	---	---	---	9886-026 051	---	---	F	12.000	12
165	10	32	22,2	7/8"	---	---	---	---	9886-026 039	---	F	12.000	12
165	6	32	---	---	5/8"NC	---	---	9906-026 048	---	---	---	12.000	10
165	10	32	---	---	5/8"NC	---	---	---	9906-026 039	---	---	12.000	2
Ø 171													
171	6	29	22,2	7/8"	---	---	---	9706-026 904	---	---	F	12.000	12
171	6	29	---	---	5/8"NC	---	---	9906-026 904	---	---	---	12.000	10
Ø 178													
178	6	38	22,2	7/8"	---	---	---	9906-026 051	---	---	F	12.000	12
178	13	44	22,2	7/8"	---	---	---	---	9906-026 551	---	F	12.000	12
178	6	38	---	---	M14x2	---	---	9906-026 053	---	---	---	12.000	10
178	6	38	---	---	5/8"NC	---	---	9906-026 052	---	---	---	12.000	10
178	13	44	---	---	M14x2	---	---	---	9906-026 552	---	---	12.000	10
178	13	44	---	---	5/8"NC	---	---	---	9906-026 553	---	---	12.000	10

Other threads, dimensions and wire sizes on request! The standard stocked items are printed in bold type!

Wheel brushes, knotted

DISC CENTER® wheel brushes for stationary machines



Ideal for preparing and cleaning welding seams, deburring, removing rust, descaling, removing adhesive residues, as well as for retreading tyres.

Where a wide face is required, several individual brushes can be assembled onto one shaft.

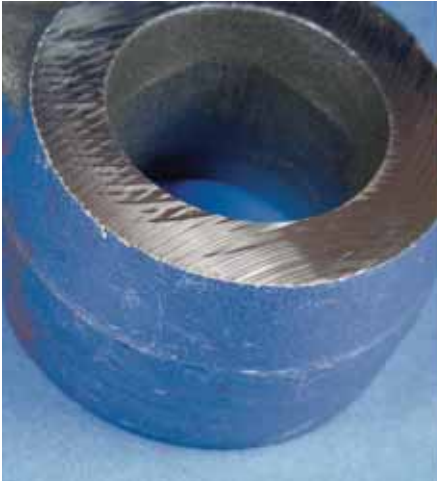
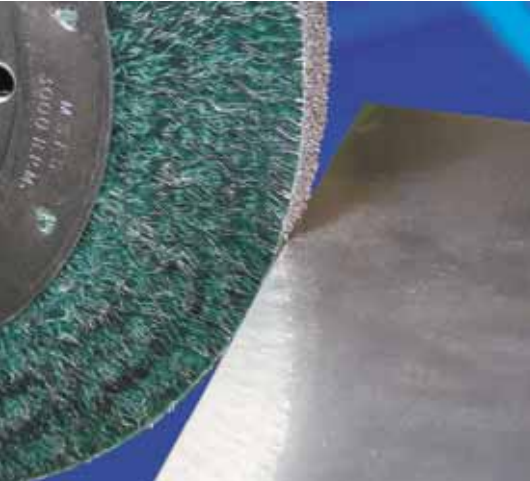
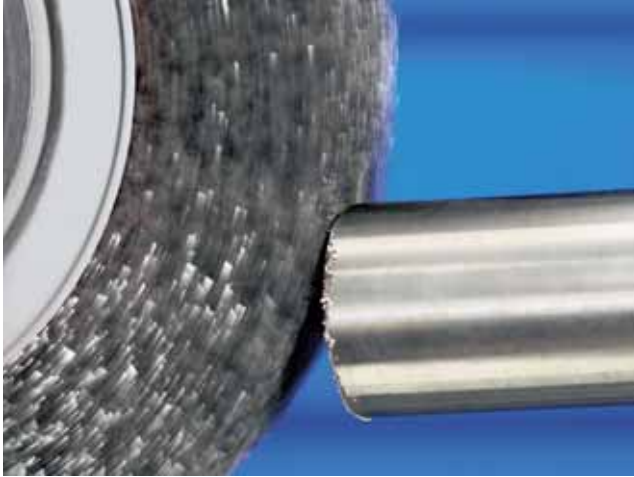
DISC CENTER® wheel brushes for stationary machines

Dimensions			Arbor hole		Thread G	Orig. OSBORN steel wire				Adapter	MSFS RPM	Pack. Qty.
D	A	T	B			0,30 Item No.	0,35 Item No.	0,50 Item No.	0,63 Item No.			
mm	mm	mm	mm	inch								
Ø 200 highly aggressive												
200	16	32	50,8	2"	---	9907-026 099	---	---	---	1A	8.000	6
Ø 200												
200	18	46	32	1 1/4"	---	---	9906-026 127	9906-026 245	9906-026 133	3A	8.000	12
Ø 250 highly aggressive												
250	18	48	50,8	2"	---	---	9906-026 198	---	---	4M	4.500	6
Ø 250												
250	18	43	50,8	2"	---	9906-026 182	9906-026 183	9906-026 185	---	4M	4.500	6
Ø 300												
300	16	57	50,8	2"	---	---	9906-026 276	9906-026 279	1306-026 279	4M	3.600	2
300	18	57	50,8	2"	---	9906-026 171	9906-026 172	9906-026 236	---	4M	3.600	2
Ø 380												
380	20	67	50,8	2"	---	---	9906-026 166	9906-026 167	---	4M	3.600	2

Other threads, dimensions and wire sizes on request! The standard stocked items are printed in **bold type!**

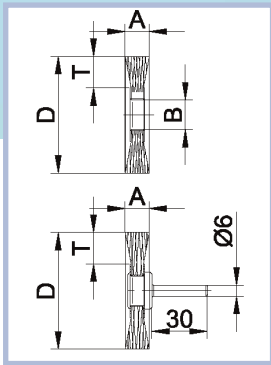
Wheel brushes, crimped

Applications



Wheel brushes, crimped

RINGLOCK® wheel brushes for high speed portable tools



Ideal for deburring, removing lacquer, derusting, descaling, cleaning. The small diameter allows effective brushing in hard-to-reach areas, internal surfaces and grooves. They can be used singly or in multiple, mounted on a drive arbor or directly on the portable tool.

RINGLOCK® wheel brushes, with arbor hole for high speed portable tools

Dimensions			Arbor hole B mm	inch	Orig. OSBORN steel wire				Orig. stainless OSBORN steel wire				MSFS RPM	Pack. Qty.
D mm	A mm	T mm			0,15 Item No.	0,20 Item No.	0,26 Item No.	0,35 Item No.	0,13 Item No.	0,20 Item No.	0,26 Item No.	0,35 Item No.		
32	6	7	10	3/8"	9907-011 009	9907-011 010	9907-011 011	---	---	---	---	20.000	12	
38	7	10	10	3/8"	9907-011 016	9907-011 017	9907-011 018	9907-011 019	9907-011 078	---	---	20.000	12	
50	8	13	13	1/2"	9907-011 031	9906-011 032	---	9907-011 034	9907-011 086	---	9907-011 088	15.000	12	
63	10	19	13	1/2"	9907-011 045	9907-011 046	---	9907-011 048	---	---	---	15.000	12	
76	10	25	13	1/2"	---	9907-011 058	---	9907-011 060	9907-011 094	9907-011 095	---	9907-011 097	15.000	12
76	11	23	16	5/8"	9907-011 061	9907-011 062	---	9907-011 063	---	---	---	15.000	12	

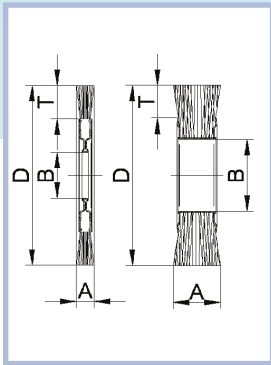
RINGLOCK® wheel brushes, with fixed shank für hochtourige Antriebsmaschinen

Dimensions			Shank mm	Orig. OSBORN steel wire				MSFS RPM	Pack. Qty.
D mm	A mm	T mm		0,15 Item No.	0,20 Item No.	0,26 Item No.	0,35 Item No.		
32	10	7	6	9907-011 309	9907-011 310	9907-011 311	---	20.000	10
38	12	10	6	9907-011 316	9907-011 317	9907-011 318	9907-011 319	20.000	10
50	14	13	6	9907-011 331	9906-011 332	---	9907-011 334	15.000	10
63	16	19	6	---	9907-011 346	---	9907-011 348	15.000	10
76	18	23	6	9907-011 361	9907-011 362	---	9907-011 363	15.000	10

Other threads, dimensions and wire sizes on request! The standard stocked items are printed in bold type!

Wheel brushes, crimped

MONITOR®, **MATIC®**, **MASTER-WHEEL®**



Ideal for roughening, deburring, removing lacquer, descaling, depolishing and cleaning. **MONITOR®** wheel brushes (narrow face width) are particularly suitable for jobs where the area to be brushed is narrow, or the surface or edge not straight or flat. For wider surfaces the brushes can be mounted in multiple.

MATIC® (medium face width) and **MASTER-WHEEL®** (wide face width) wheel brushes are best for brushing parts with large surfaces.

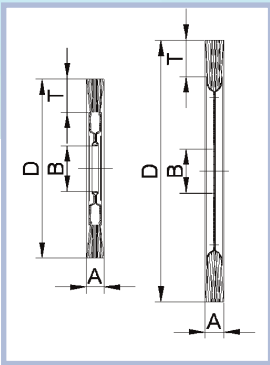
MONITOR®, MATIC®, MASTER-WHEEL® wheel brushes

Dimensions	Arbor hole		Thread	Orig. OSBORN steel wire			Orig. stainless OSBORN st. 0,26	Adapter	MSFS RPM	Stand. Verp.			
	D mm	A mm		T mm	B mm	inch					G	0,15 Item No.	0,20 Item No.
Ø 100													
MONITOR	12	20	16	5/8"	---	9906-021 002	---	---	---	9906-021 055	F	6.000	2
MATIC	16	20	32	1 1/4"	---	9906-022 191	9906-022 193	9906-022 195	---	---	3A	6.000	1
Ø 125													
MATIC	18	28	50,8	2"	---	9906-022 051	9906-022 052	9906-022 055	---	---	1A	6.000	1
Ø 150													
MONITOR	14	29	32	1 1/4"	---	9906-021 009	9906-021 013	9906-021 163	---	9906-021 059	3A	6.000	6
MATIC	20	26	50,8	2"	---	9906-022 061	9906-022 062	9906-022 065	9906-022 066	---	1A	6.000	1
Ø 178													
MATIC	22	40	50,8	2"	---	---	9906-022 072	9906-022 075	---	---	1A	6.000	1
MASTER-W.	32	40	50,8	2"	---	---	9906-022 032	---	---	---	1A	6.000	1

Other threads, dimensions and wire sizes on request! The standard stocked items are printed in **bold type!**

Wheel brushes, crimped and wire stripping brushes

MONITOR® , MATIC® , MASTER-WHEEL® , UNI-MASTER®



Ideal for roughening, deburring, removing lacquer, descaling, depolishing and cleaning.

UNI-MASTER® wheel brushes (wide face width) For wider surface the brushes can be mounted in multiple.

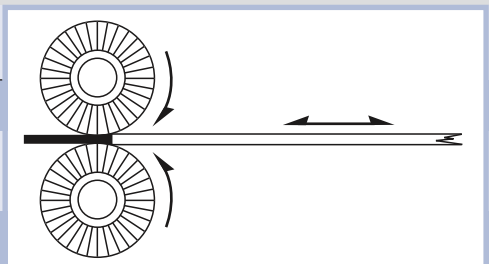
Wire stripping brush: These brushes require very little pressure to thoroughly remove all types of insulation from electrical wire. Please note, that the wire stripping is accomplished by arranging two brushes, as shown in the below sketch.

MONITOR®, MATIC®, MASTER-WHEEL®, UNI-MASTER® wheel brushes

Dimensions D mm	A mm	T mm	Arbor hole B		Thread G	Orig. OSBORN steel wire					Adapter	MSFS RPM	Pack. Qty.
			mm	inch		0,15 Item No.	0,20 Item No.	0,30 Item No.	0,35 Item No.	0,50 Item No.			
Ø 200													
MONITOR	18	38	50,8	2"	---	9906-021 183	9906-022 184	---	---	---	1A	4.500	2
MATIC	22	37	50,8	2"	---	9906-022 081	9906-022 082	9906-022 085	9906-022 086	9906-022 088	1A	4.500	2
Ø 250													
UNI-MASTER	26	60	50,8	2"	---	9906-013 007	9906-013 008	9906-013 009	9906-013 010	9906-013 011	4M	3.600	2
Ø 300													
UNI-MASTER	28	60	50,8	2"	---	---	9906-013 020	9906-013 021	9906-013 022	9906-013 023	4M	3.000	2
Ø 380													
UNI-MASTER	32	72	50,8	2"	---	---	9906-013 056	9906-013 057	9906-013 058	---	4M	2.400	2

Wire stripping brush, plastic bonded

Dimensions D mm	A mm	T mm	Arbor hole B		Thread G	Orig. OSBORN steel wire 0,20 Item No.	MSFS RPM	Pack. Qty.
			mm	inch				
Ø 35								
35	20	9,5	6,4	1/4"	---	9907-011 679	3.500	2
Ø 38								
38	24	9,5	9,5	3/8"	---	9907-011 682	3.500	2
38	48	9,5	9,5	3/8"	---	9907-011 685	3.500	2

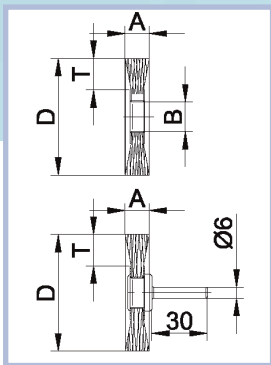


Operating speeds (1750 to 3450 RPM) vary with type of insulation material.
Wire to be stripped: 60 mm and heavier

Other threads, dimensions and wire sizes on request! The standard stocked items are printed in **bold type!**

Wheel brushes, crimped, plastic bonded

PB RINGLOCK® wheel brushes for high speed portable tools



Ideal for uniform blending of surfaces and surface junctures. For deburring, removing lacquer, derusting, removing slag, descaling and cleaning. The small diameter allows effective brushing in hard-to-reach areas, internal surfaces and grooves.

They can also be used singly or in multiple, mounted directly on the drive arbors.

PB RINGLOCK® wheel brushes, plastic bonded, with arbor hole for high speed portable tool

Dimensions			Arbor hole		Orig. OSBORN steel wire				MSFS RPM	Pack. Qty.
D	A	T	B	inch	0,15	0,20	0,26	0,35		
mm	mm	mm	mm		Item No.	Item No.	Item No.	Item No.		
38	6	10	10	3/8"	---	9907-011 623	9907-011 624	9907-011 625	20.000	12
50	7	13	13	1/2"	9907-011 631	9907-011 632	---	9907-011 634	15.000	12
63	8	19	13	1/2"	---	---	---	9907-011 641	15.000	12
76	8	23	16	5/8"	---	9907-011 650	---	9907-011 651	15.000	12

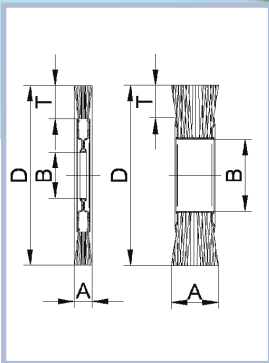
PB RINGLOCK® wheel brushes, plastic bonded, with fixed shank for high speed portable tool

Dimensions			Shank	Orig. OSBORN steel wire				MSFS RPM	Pack. Qty.
D	A	T		0,15	0,20	0,26	0,35		
mm	mm	mm	mm	Item No.	Item No.	Item No.	Item No.		
38	6	10	6	---	9907-011 723	9907-011 724	9907-011 725	20.000	10
50	7	13	6	9907-011 731	9907-011 732	---	9907-011 734	15.000	10
63	8	19	6	---	---	---	9907-011 741	15.000	10
76	8	23	6	---	9907-011 750	---	9907-011 751	15.000	10

Other threads, dimensions and wire sizes on request! The standard stocked items are printed in bold type!

Wheel brushes, crimped, plastic bonded

PB MONITOR®, **PB MASTER-WHEEL®**, **TORNADO-PB®**



Ideal for uniform blending of surfaces and surface junctures. The superb cutting quality and controlled face width giving high efficiency. For deburring, removing lacquer, derusting, removing slag, descaling and cleaning.

MONITOR® wheel brush: narrow face width

MASTER-WHEEL® wheel brush: wide face width

PB MONITOR®, PB MATIC®, TORNADO-PB® wheel brushes, plastic bonded

Dimensions D mm	A mm	T mm	Arbor hole B mm	inch	Thread G	Orig. OSBORN steel wire			Orig. stainl. O. st. 0,26 Item No.	Adapter	MSFS RPM	Pack Qty.
						0,15 Item No.	0,20 Item No.	0,26 Item No.				
Ø 100												
MONITOR	10	19	13-16	1/2-5/8"	---	9907-021 594	---	9907-021 595	---	F	6.000	4
Ø 150												
MONITOR	5	29	22,2	7/8"	---	---	---	---	---	F	9.000	12
MONITOR	10	29	32	1 1/4"	---	9907-021 503	9907-021 504	9907-021 506	9907-021 508	---	6.000	4
MASTER-W.	25	27	50,8	2"	---	---	---	9907-022 704	---	3A 1A	6.000 6.000	2
Ø 178												
TORNADO-PB	5	41	22,2	7/8"	---	---	---	---	---	F	8.000	12
TORNADO-PB	5	41	---	---	5/8" NC	---	---	---	0002-921 889	---	8.000	10
TORNADO-PB	5	41	---	---	M14	---	---	---	0002-921 876	---	8.000	10

Dimensions D mm	A mm	T mm	Arbor hole B mm	inch	Thread G	Orig. OSBORN steel wire			Adapter	MSFS RPM	Pack Qty.
						0,20 Item No.	0,26 Item No.	0,30 Item No.			
Ø 200											
MONITOR	10	38	32	1 1/4"	---	---	9907-021 512	---	3A	4.500	4
MONITOR	10	47	32	1 1/4"	---	9907-021 509	---	---	3A	4.500	4
MATIC	14	38	50,8	2"	---	9907-022 773	---	9907-022 774	1A	4.500	2
Ø 250											
MATIC	19	51	50,8	2"	---	---	---	9907-022 783	1A	3.600	2
Ø 300											
MATIC	22	48	50,8	2"	---	---	---	9907-022 794	1A	3.000	2

Other threads, dimensions and wire sizes on request! The standard stocked items are printed in bold type!

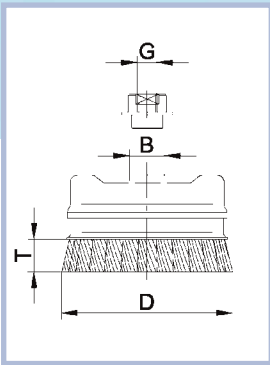
Cup brushes, knotted

Applications



Cup brushes, knotted

CUP® cup brushes for angle grinders



Sturdy safe construction. Suitable for most common makes of angle grinder and stationary machine. Aggressive tools suited to heavy cleaning jobs and for brushing large surfaces.

They remove cinder, paint, rust, scale and other kinds of contamination to expose the metal and create an excellent surface for painting and other coatings. Good brush balancing ensures easy handling.

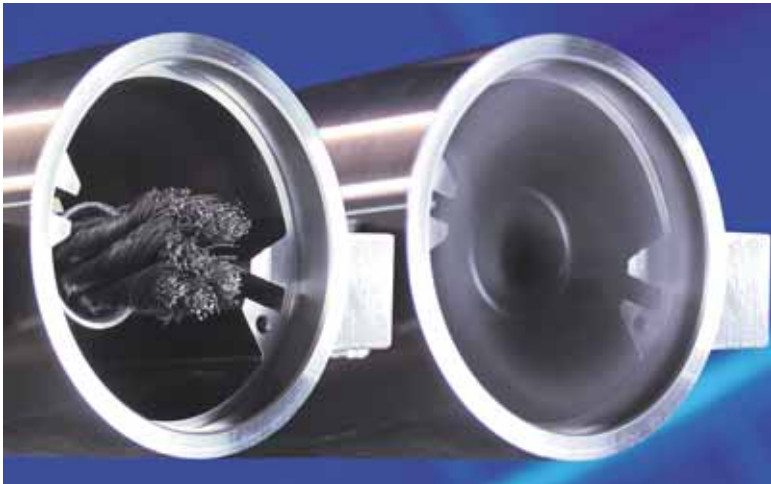
CUP® cup brushes, knotted for angle grinders

Dimensions		T mm	Thread G	Orig. OSBORN steel wire		MSFS RPM	Pack. Qty.
D mm	A mm			0,50 Item No.	0,80 / *0,88 Item No.		
Ø 90							
90	32	65	M14x2	9906-033 125	---	7.500	6
90	32	65	5/8"NC	9906-033 126	---	7.500	6
Ø 150							
150	45	70	M14x2	9906-033 016	*9906-033 022	6.000	1
150	45	70	5/8"NC	---	9906-033 021	6.000	1
Ø 150 (2 rows)							
150	45	75	M14x2	9906-033 031	---	6.000	1
150	45	75	5/8"NC	9906-033 030	---	6.000	1

Other threads, dimensions and wire sizes on request! The standard stocked items are printed in **bold type!**

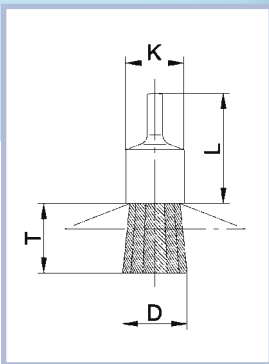
End brushes

Applications



End brushes, knotted

RUFTUF® end brushes for high speed portable tools



Ideal for roughening, deburring, removing lacquer, removing slag, descaling, depolishing and cleaning. Also specially suitable for inside cleaning of cylindrical bores and internal surfaces. The special features of these brushes are their particular flexibility and great cleaning efficiency. Centrifugal force arising in use causes these brushes to expand in diameter.



Table showing the working diameter

Item No.	Ø of body mm	Wire size mm	Ø in mm at a speed of RPM		
			5.000	8.000	15.000
9906-030 302 / 9906-030 326	20	0,15	55	70	80
9906-030 304 / 9906-030 328 / 4506-030 328	20	0,26	55	70	75
9906-030 305 / 4506-030 305 / 9906-030 329 / 4506-030 329	20	0,35	25	50	70
9906-030 308 / 9906-030 332	23	0,15	70	80	90
9906-030 310 / 9906-030 334	23	0,26	40	65	75
9906-030 311 / 4506-030 311 / 9906-030 335	23	0,35	35	55	70
9906-030 312	23	0,50	30	50	65
9906-030 314 / 9906-030 338	30	0,15	70	80	90
9906-030 316 / 9906-030 340	30	0,26	55	70	85
9906-030 317 / 4506-030 317 / 9906-030 341 / 4506-030 341	30	0,35	50	70	80
9906-030 318 / 4506-030 318	30	0,50	40	55	70

RUFTUF® end brushes, knotted, with shank (with OSBORN logo and neutral) for high speed portable tools

Dimensions				Shank mm	Orig. OSBORN steel wire				Orig. stainless OSBORN steel wire			MSFS RPM	Pack. Qty.
D mm	K mm	L mm	T mm		0,15 Item No.	0,26 Item No.	0,35 Item No.	0,50 Item No.	0,15 Item No.	0,26 Item No.	0,35 Item No.		
20	20	44	29	6	9906-030 302	9906-030 304	9906-030 305	---	9906-030 326	9906-030 328	9906-030 329	22.000	12
20 neutral	20	44	29	6	---	---	4506-030 305	---	---	4506-030 328	4506-030 329	22.000	12
23	23	44	29	6	9906-030 308	9906-030 310	9906-030 311	9906-030 312	9906-030 332	9906-030 334	9906-030 335	20.000	12
23 neutral	23	44	29	6	---	---	4506-030 311	---	---	---	---	20.000	12
30	30	44	29	6	9906-030 314	9906-030 316	9906-030 317	9906-030 318	9906-030 338	9906-030 340	9906-030 341	20.000	12
30 neutral	30	44	29	6	---	---	4506-030 317	4506-030 318	---	---	4506-030 341	20.000	12

RUFTUF® end brushes, knotted, with shank (outfoamed or with rolled up housing) for high speed portable tools

Dimensions					Shank mm	Orig. OSBORN steel wire		MSFS RPM	Pack. Qty.
D mm	Knots	K mm	L mm	T mm		0,35 Item No.	0,50 Item No.		
20 outfoamed	6	20	44	29	6	0706-030 305	---	These brushes will be stabilized by outfoaming and uprolling of the housing! This will reduce the working diameter and increases the aggressivity!	12
20 outfoamed	4	20	44	29	6	6616-030 305	---		250
20 rolled up	6	20	44	15	6	8206-030 305	---		120
20 rolled up	4	20	44	30	6	8736-030 305	---		12
23 rolled up	8	20	44	30	6	---	8106-030 312	20.000	12

Other dimensions and wire sizes on request! The standard stocked items are printed in bold type!

End brushes, crimped

End brushes for high speed portable tools



Ideal for roughening, deburring, removing lacquer, removing slag, descaling, depolishing and cleaning. For removing burrs, rust, cinder, scale, paint, excess rubber, residues of combustion and other heavy contamination in hard-to-reach areas and internal surfaces.

End brushes, crimped, with shank for high speed portable tools

Dimensions				Shank mm	Orig. OSBORN steel wire			MSFS RPM	Pack. Qty.
D mm	K mm	L mm	T mm		0,15 Item No.	0,26 Item No.	0,50 Item No.		
16	16	44	25	6	9906-030 351	9906-030 353	---	25.000	12
22	22	44	25	6	9906-030 357	9906-030 359	9906-030 361	20.000	12
29	29	44	25	6	9906-030 363	9906-030 365	9906-030 367	20.000	12

End brushes, plastic bonded, with shank for high speed portable tools

Dimensions				Shank mm	Orig. OSBORN steel wire			MSFS RPM	Pack. Qty.
D mm	K mm	L mm	T mm		0,15 Item No.	0,26 Item No.	0,50 Item No.		
17	16	44	25	6	9907-030 700	9907-030 702	9907-030 704	15.000	12
24	22	44	25	6	9907-030 705	9907-030 707	9907-030 709	15.000	12
31	29	44	25	6	9907-030 710	9907-030 712	9907-030 714	15.000	12

FLEX® end brushes, plastic bonded, with shank for high speed portable tools

Dimensions				Shank mm	Orig. OSBORN steel wire		Orig. stainless OSBORN steel wire	MSFS RPM	Pack. Qty.
D mm	K mm	L mm	T mm		0,15 Item No.	0,26 Item No.			
42	15	44	---	6	9907-030 755	9907-030 756	9907-030 768	25.000	12
50	22	44	---	6	9907-030 759	9907-030 760	---	20.000	12

Other dimensions and wire sizes on request! The standard stocked items are printed in bold type!

End brushes

PILOT-BONDING und DRILL® end brushes for special applications



*Power drill bits are not supplied!

PILOT-BONDING®: Construction with extremely short fill material and centering pin. Particularly suitable for cleaning rivet holes. Used in many different industrial applications such as in the aircraft industry.

Drill® end brush: Special housing for installing and fastening to a drill bit. Drilling and simultaneously cleaning the surrounding hole surface! This tool is ideally used for treating vibration mounts.

PILOT-BONDING® end brushes

Dimensions				Shank	Orig. OSBORN steel wire 0,10 Item No.	Orig. stainless OSBORN steel wire 0,10 Item No.	MSFS RPM	Pack. Qty.
D	L	T	d					
mm	mm	mm	mm	inch				
13	57,15	10	2,38	1/4"	9907-030 145	9907-030 190	25.000	12
13	57,15	10	3,18	1/4"	9907-030 148	9907-030 193	25.000	12
13	57,15	10	3,97	1/4"	9907-030 151	9907-030 196	25.000	12
13	57,15	10	4,76	1/4"	9907-030 154	9907-030 199	25.000	12
13	57,15	10	6,35	1/4"	9907-030 157	---	25.000	12

DRILL® end brushes

Dimensions			Orig. OSBORN steel wire 0,65 Item No.	MSFS RPM	Pack. Qty.
D	d	T			
mm	mm	mm			
19	11	22	9907-030 235	3.500	12

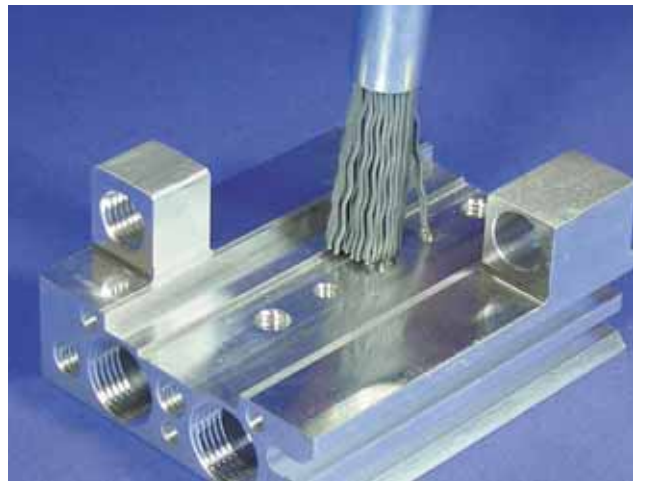
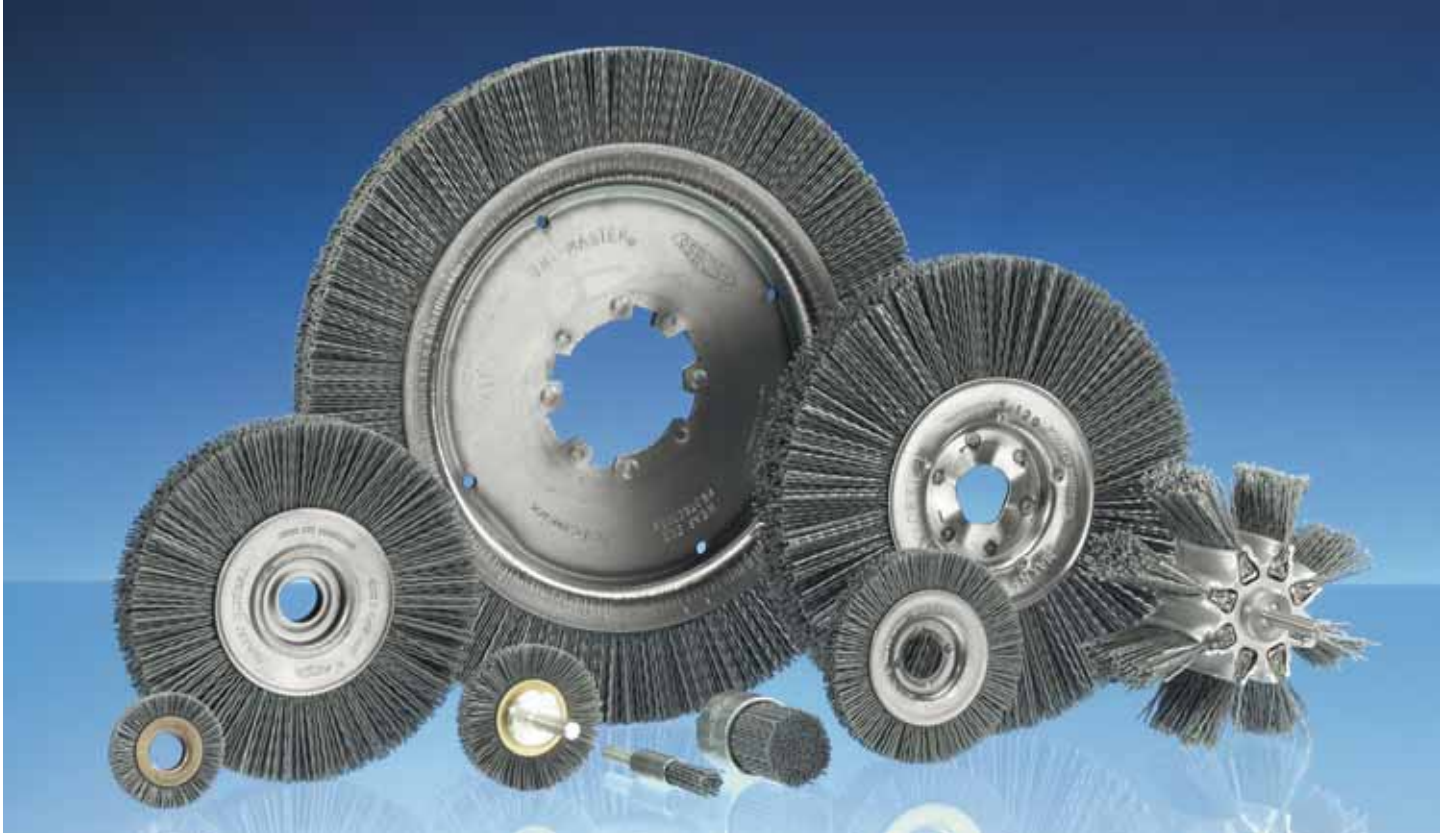
Holder für DRILL® end brushes

Ø for bore mm	Item No.	Pack. Qty.
10	9907-075 013	1
11	9907-075 015	1

Other dimensions and wire sizes on request! The standard stocked items are printed in **bold type!**

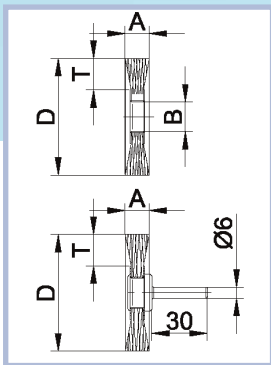
Korfil-E®

Applications



Wheel brushes, Korfil-E®

RINGLOCK® wheel brushes for high speed portable tools



The small diameter renders the brush extremely useful for hard to reach areas, internal surfaces and grooves, and shows excellent characteristics at work on non-ferrous metal and synthetic.

RINGLOCK® wheel brushes with arbor hole can be used singly or in multiple; mounted on the drive arbor.

RINGLOCK® wheel brushes, Korfil-E®, with arbor hole for high speed portable tools

Dimensions			Arbor hole		Grit			MSFS RPM	Pack. Qty.
D	A	T	B		120	180	320		
mm	mm	mm	mm	inch	Item No.	Item No.	Item No.		
38	10	6	13	1/2"	9906-011 146	9906-011 147	9906-011 148	20.000	12
50	10	11	16	5/8"	9906-011 149	9906-011 150	9906-011 151	15.000	12
63	13	17	16	5/8"	9906-011 153	9906-011 154	9906-011 155	15.000	12

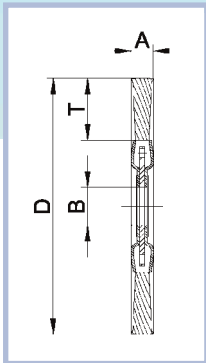
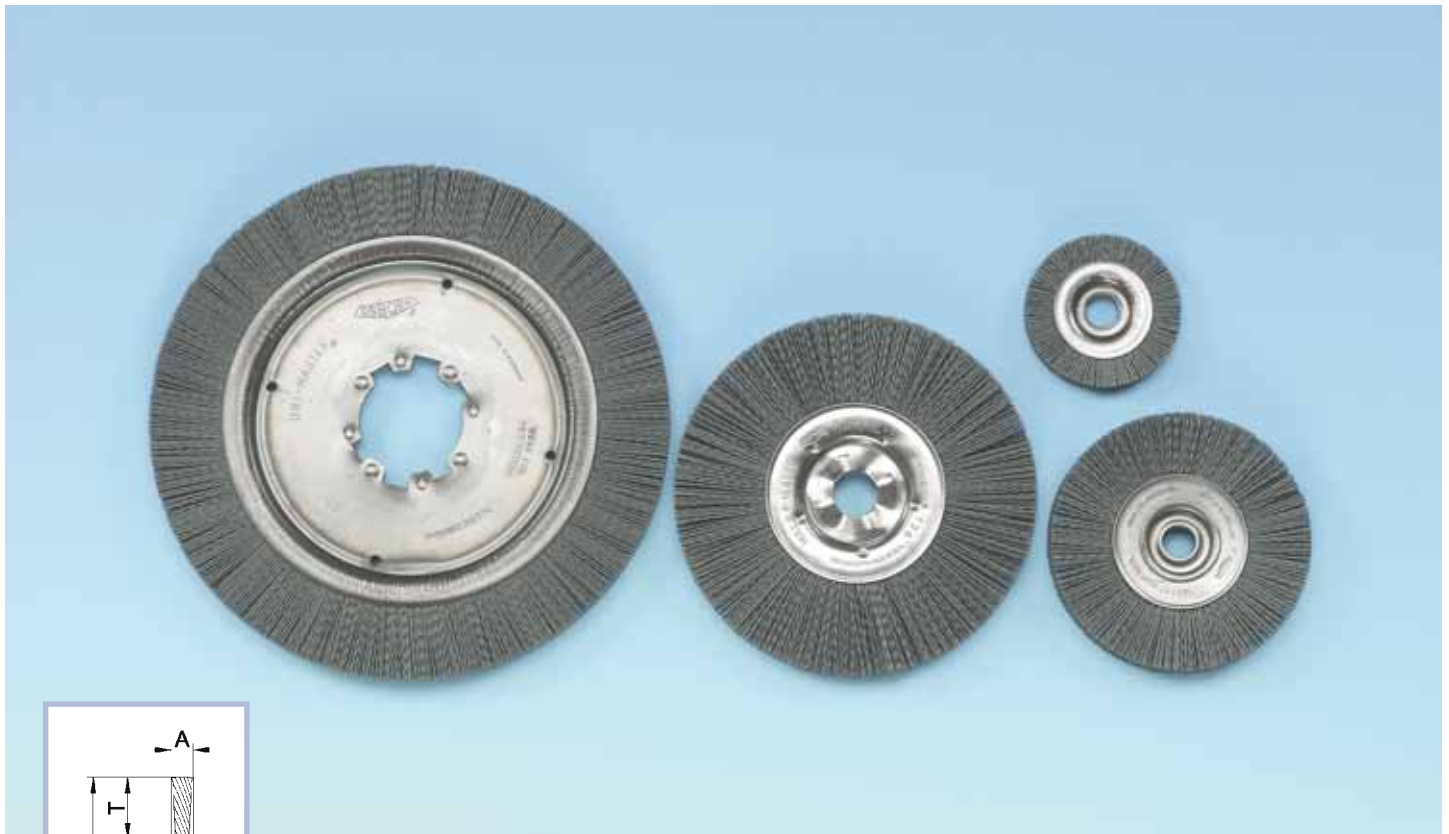
RINGLOCK® wheel brushes, Korfil-E®, with fixed shank for high speed portable tools

Dimensions			Shank	Grit			MSFS RPM	Pack. Qty.
D	A	T		120	180	320		
mm	mm	mm	mm	Item No.	Item No.	Item No.		
38	10	6	6	9906-011 446	9906-011 447	9906-011 448	20.000	10
50	10	11	6	9906-011 449	9906-011 450	9906-011 451	15.000	10
63	13	17	6	9906-011 453	9906-011 454	9906-011 455	15.000	10

Other threads, dimensions and wire sizes on request! The standard stocked items are printed in bold type!

Wheel brushes, Korfil-E®

UNI-MASTER® wheel brushes



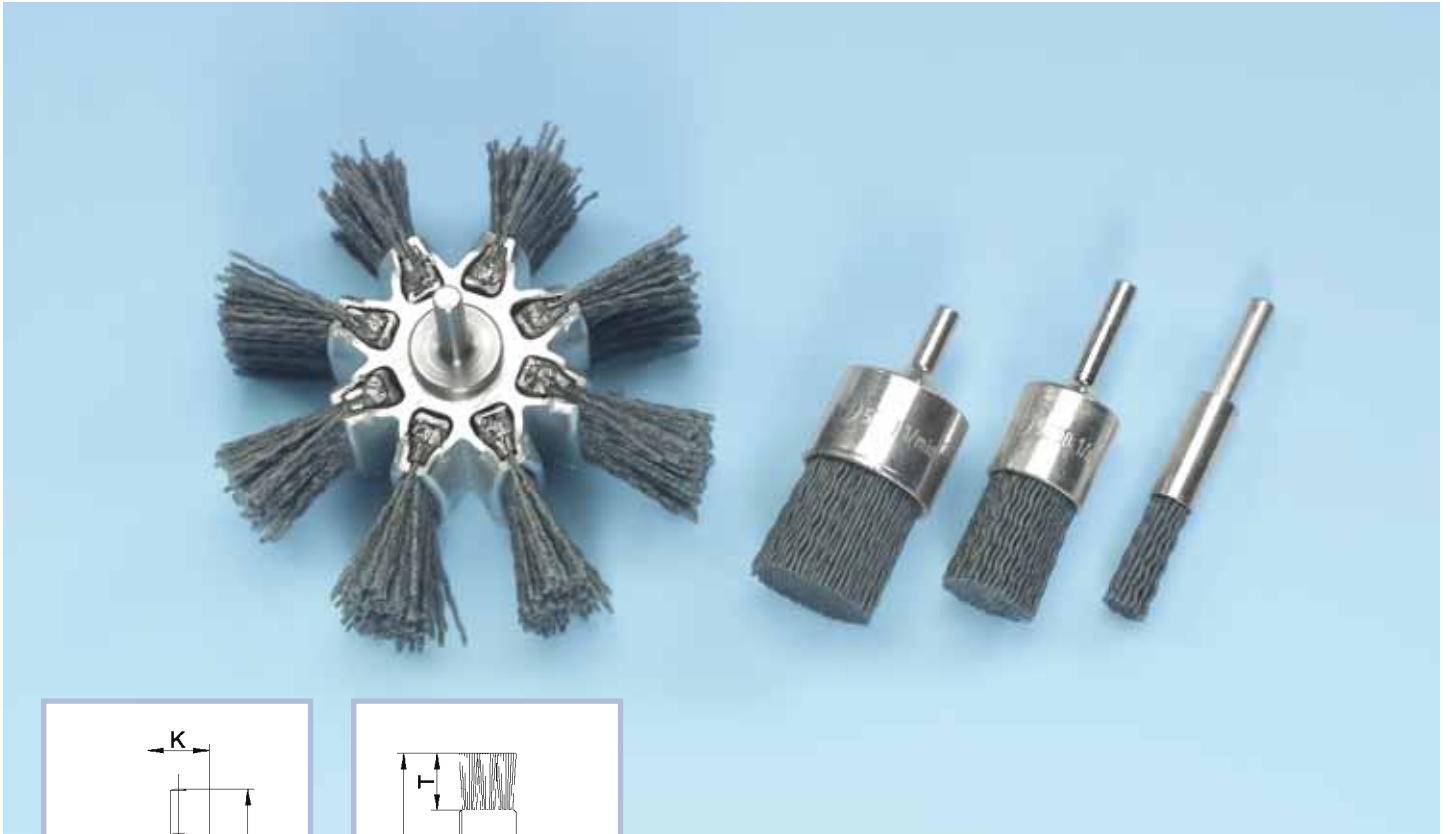
These flexible brushes adapt themselves to the workpiece and have excellent characteristics for treating different materials. Extremely reliable in operation and economical. Brushes can be mounted in multiple to build a wide face brush. Recommended surface speed 22 m/sec.

UNI-MASTER® Wheel brushes for stationary machines

Dimensions	A	T	Arbor hole	Thread	Grit	120	180	320	Adapter	MSFS	Pack.	
D	mm	mm	B	G	80	Item No.	Item No.	Item No.		RPM	Qty.	
mm	mm	mm	mm	inch	Item No.							
Ø 75												
75	12	15	16	5/8"	---	9906-015 001	9906-015 002	9906-015 003	9906-015 004	F	20.000	6
Ø 100												
100	13	20	16	5/8"	---	9906-015 025	9906-015 026	9906-015 027	9906-015 028	F	12.000	6
Ø 125												
125	16	32	16	5/8"	---	9906-015 035	9906-015 036	9906-015 037	9906-015 038	F	12.000	6
Ø 150												
150	17	32	22,2	7/8"	---	9906-015 079	9906-015 080	9906-015 081	9906-015 082	F	8.000	6
Ø 178												
178	20	47	22,2	7/8"	---	9906-015 040	9906-015 041	9906-015 042	9906-015 043	F	8.000	2
Ø 200												
200	18	35	50,8	2"	---	9906-015 050	9906-015 051	9906-015 052	9906-015 053	4M	6.000	2
Ø 250												
250	18	35	50,8	2"	---	9906-015 056	9906-015 057	9906-015 058	9906-015 059	4M	3.000	2
250	18	60	50,8	2"	---	9946-015 056	9946-015 057	9946-015 058	9946-015 059	4M	3.000	2
Ø 300												
300	18	35	50,8	2"	---	9906-015 062	9906-015 063	9906-015 064	9906-015 065	4M	2.400	2
300	18	60	50,8	2"	---	9966-015 062	9966-015 063	9966-015 064	9966-015 065	4M	3.000	2
Ø 350												
350	19	55	50,8	2"	---	---	9906-015 069	9906-015 070	9906-015 071	4M	2.400	2

Other threads, dimensions and wire sizes on request! The standard stocked items are printed in bold type!

End brushes and KORFLEX® Flap wheel brushes, Korfil-E®



KORFIL-E® end brushes: Brushes for a perfect finishing process, omitting dimensional changes of the surface.

KORFLEX® flap wheel brushes: High flexibility and high working effect. The special construction prevents undesired accumulation of heat during the application.

End brushes, Korfil-E®, with shank

Dimensions				Shank mm	Grit			MSFS RPM	Pack. Qty.
D mm	K mm	L mm	T mm		120 Item No.	180 Item No.	320 Item No.		
10	10	45	25	6	9906-030 488	9906-030 489	9906-030 490	8.000	12
15	15	45	25	6	9906-030 492	9906-030 493	9906-030 494	5.000	12
22	22	45	25	6	9906-030 496	9906-030 497	9906-030 498	5.000	12
28	28	45	25	6	9906-030 500	9906-030 501	9906-030 502	5.000	12

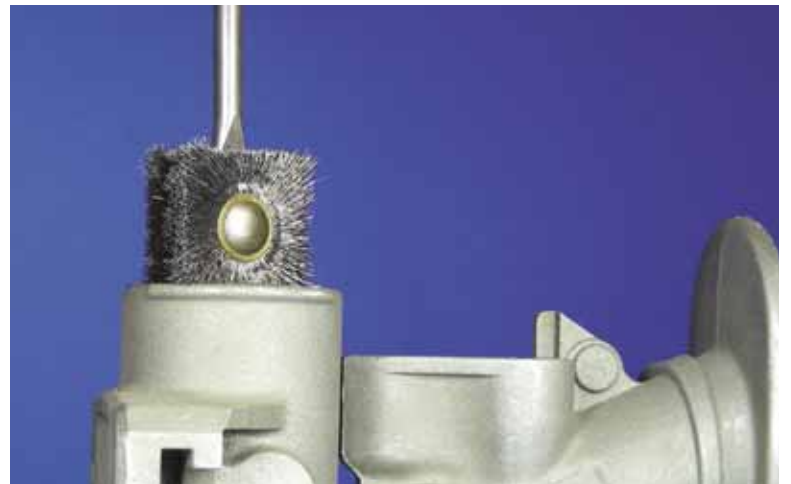
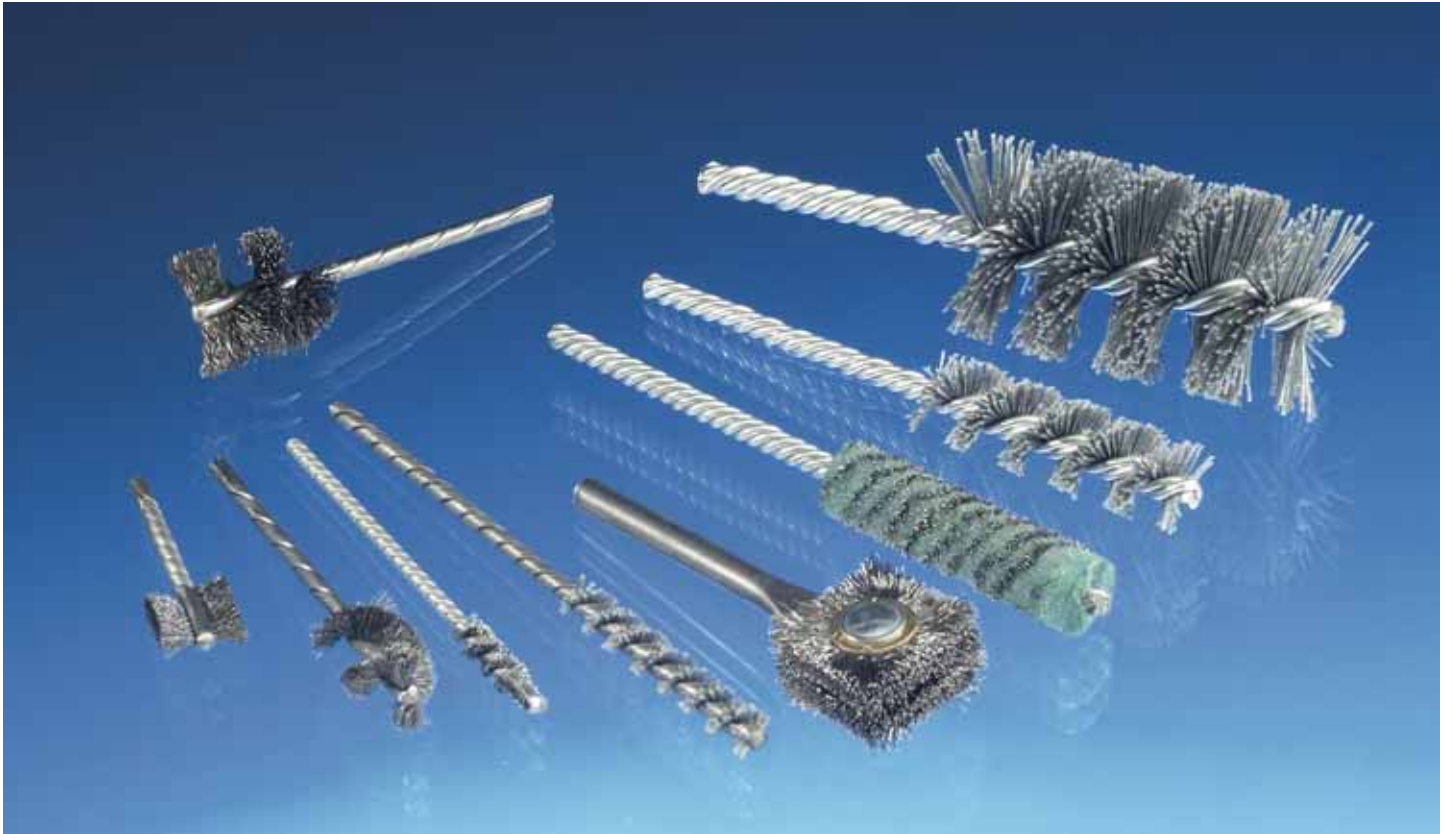
KORFLEX® flap wheel brushes, Korfil-E®, with shank

Dimensions			Shank mm	Grit 80 Item No.	MSFS RPM	Pack. Qty.
D mm	A mm	T mm				
100	38	25	6	9907-028 010	4.500	1
125	38	38	6	9907-028 011	4.500	1
150	38	51	6	9907-028 012	4.500	1

Other threads, dimensions and wire sizes on request! The standard stocked items are printed in bold type!

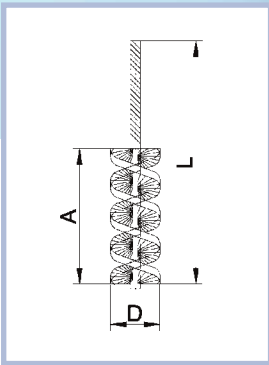
Internal brushes

Applications



Internal brushes, Korfil-E®

Cylindrical tube brushes



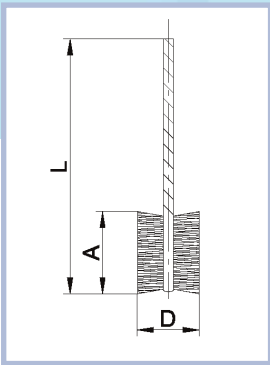
Galvanized double-stem with single spiral. Indispensable brushes for inside cleaning of arbor holes and difficult finishing jobs on non-ferrous metal and hydraulic castings. Suitable especially for deburring cross drillings, steering parts, O-rings and cylindrical boreholes in many other workpieces. Adaptable for using as a hand tool or mounted in a portable tool for outstanding cost-effective performance.

Internal brushes, Korfil-E® Cylindrical tube brushes

Dimensions			Shank mm	Grit 80 Item No.	120 Item No.	320 Item No.	Pack. Qty.
D mm	A mm	L mm					
6	50	125	3	---	0003-056 306	0003-056 326	12
8	50	125	3	---	0003-056 308	0003-056 328	12
10	50	125	4	0003-056 010	0003-056 310	0003-056 330	12
13	50	125	4	0002-056 011	0002-056 311	0002-056 331	12
16	50	125	5	0002-056 012	0002-056 312	0002-056 332	12
19	65	125	5	0002-056 013	0002-056 313	0002-056 333	12
22	65	125	5,5	0002-056 014	0002-056 314	0002-056 334	12
25	65	125	5,5	0002-056 015	0002-056 315	0002-056 335	12
32	65	125	6	0002-056 016	0002-056 316	0002-056 336	12
38	65	125	6	0002-056 017	0002-056 317	0002-056 337	12
50	65	125	6	0002-056 018	0002-056 318	0002-056 338	12

Other dimensions and wire sizes on request! The standard stocked items are printed in bold type!

SITUFT® internal brushes



The original OSBORN wire fastened in wing shape and double wire core. These brushes are designed for pneumatic and electric tools. They can be operated safely at high speeds and are especially suitable for cleaning drilled holes and hard-to-reach areas. The right holders allow a simple and quick adaption to various power machines.

SITUFT® internal brushes

* The overall sizes refer to the bore diameters!!!

Dimensions			Shank mm	Orig. OSBORN steel wire			Orig. stain. O. st. 0,13 Item No.	Pack. Qty.
D mm	A mm	L mm		0,08 Item No.	0,13 Item No.	0,20 Item No.		
6*	14	54	2,38	9907-035 021	9907-035 023	---	9907-035 181	12
8*	14	54	2,38	9907-035 031	9907-035 032	---	---	12
10*	14	54	2,38	9907-035 041	9907-035 042	9907-035 043	9907-035 189	12
11*	14	54	2,38	9907-035 051	9907-035 052	9907-035 053	---	12
13*	14	54	2,38	9907-035 061	9907-035 062	9907-035 063	9907-035 197	12
14*	16	54	3,18	9907-035 081	9907-035 082	9907-035 083	---	12
16*	16	54	3,18	9907-035 086	9907-035 087	9907-035 088	9907-035 205	12
18*	16	54	3,18	---	9907-035 092	9907-035 093	---	12
19*	16	54	3,18	9907-035 096	9907-035 097	9907-035 098	9907-035 213	12
21*	16	57	3,18	---	9907-035 102	---	---	12
22*	16	57	3,18	---	9907-035 107	---	9907-035 221	12
25*	16	57	3,18	---	9907-035 117	9907-035 118	9907-035 229	12
27*	16	57	3,18	---	9907-035 122	9907-035 123	---	12
29*	16	57	3,18	---	9907-035 127	9907-035 128	---	12
30*	16	57	3,18	---	9907-035 132	9907-035 133	---	12
32*	16	57	3,18	---	9907-035 137	9907-035 138	9907-035 245	12

Holder

Dimensions		Item No.
D mm	L mm	
Suitable for shank-Ø 2,38 mm		9907-075 131
6	85	
Suitable for shank-Ø 3,18 mm		9907-075 132
10	85	

Kit

Contains one each of the following brushes and holders!

Dimensions		Item No.
D mm	Orig. OSBORN steel wire	
Complete		9907-035 000
6*	0,08	9907-035 021
6*	0,13	9907-035 023
8*	0,08	9907-035 031
8*	0,13	9907-035 032
10*	0,13	9907-035 042
11*	0,13	9907-035 052
13*	0,13	9907-035 062
14*	0,20	9907-035 083
16*	0,13	9907-035 087
19*	0,20	9907-035 098
25*	0,20	9907-035 118
32*	0,20	9907-035 138
Holder		9907-075 131
		9907-075 132

Other dimensions and wire sizes on request! The standard stocked items are printed in bold type!

HELITUF® internal brushes



Helically fastened original OSBORN wire with double wire core.

These brushes are heavily filled and rugged brushing tools that can be used by hand, or with power tools. They are excellent for cleaning out tapped holes and will effectively brush the edges of a longitudinal recess such as a keyway.

Holder can be used individually or connected together to form a 225 mm long brush (brush included).

HELITUF® internal brushes

* The overall sizes refer to the bore diameters!!!

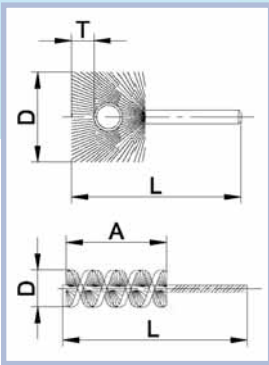
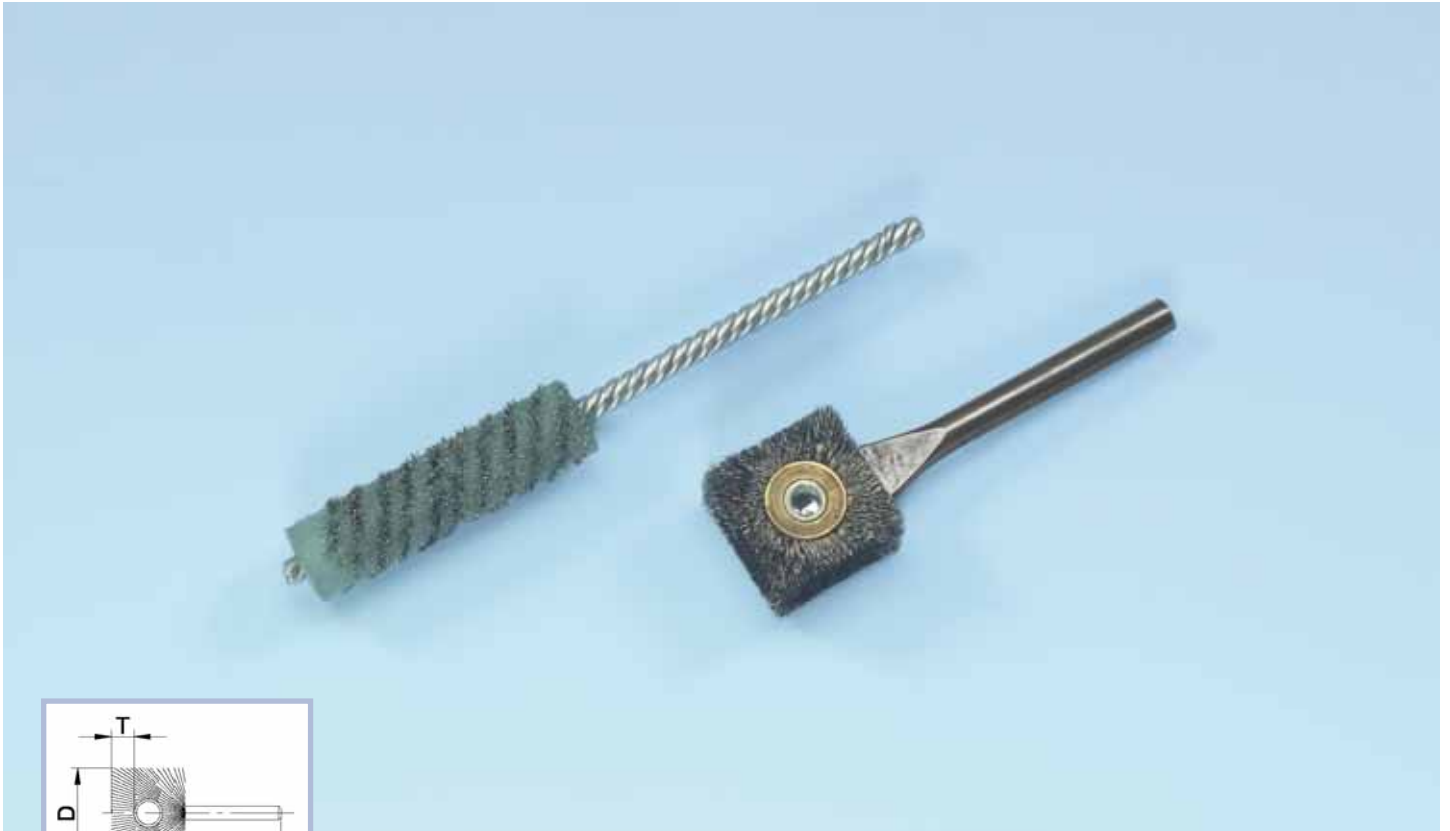
Dimensions			Shank	Orig. OSBORN steel wire		Orig. stainl. OSBORN steel wire		Pack. Qty.
D mm	A mm	L mm		0,13 Item No.	0,20 Item No.	0,13 Item No.	0,20 Item No.	
6*	25	89	3,18	9907-036 012	---	9907-036 139	---	12
8*	25	89	3,18	9907-036 017	---	---	---	12
10*	25	89	3,18	9907-036 022	9907-036 023	9907-036 147	9907-036 148	12
11*	25	89	3,18	9907-036 027	---	9907-036 151	---	12
13*	25	89	3,18	9907-036 032	9907-036 033	9907-036 155	9907-036 156	12
14*	25	89	3,18	9907-036 037	---	---	---	12
16*	25	89	3,18	9907-036 042	9907-036 043	9907-036 163	9907-036 164	12
18*	25	89	3,18	9907-036 047	---	---	---	12
19*	25	89	3,18	9907-036 052	9907-036 053	9907-036 171	9907-036 172	12
21*	25	89	3,18	9907-036 057	---	---	---	12
22*	25	89	3,18	9907-036 062	9907-036 063	9907-036 179	---	12
24*	25	89	3,18	9907-036 067	---	---	---	12
25*	25	89	3,18	9907-036 072	9907-036 073	9907-036 187	9907-036 188	12
29*	25	89	3,18	9907-036 082	---	---	---	12
32*	25	89	3,18	---	9907-036 093	---	9907-036 204	12

Other dimensions and wire sizes on request! The standard stocked items are printed in bold type!

Holder

Dimensions		Item No.
D mm	L mm	
Externally threaded, tapered hole		
5	90	9907-075 126
Internally threaded, tapered hole		
6	90	9907-075 127
Kit		
Contains one each of the following brushes and holders!		
Dimensions		Item No.
D mm	Orig. OSBORN steel wire	
Complete		
10*	0,13	9907-036 022
11*	0,13	9907-036 027
13*	0,20	9907-036 033
14*	0,13	9907-036 037
16*	0,20	9907-036 043
18*	0,13	9907-036 047
19*	0,20	9907-036 053
21*	0,13	9907-036 057
22*	0,20	9907-036 063
24*	0,13	9907-036 067
25*	0,20	9907-036 073
29*	0,13	9907-036 082
Holder		9907-075 126
		9907-075 127

SIBOT® internal brushes and tube brushes, plastic bonded



Tube brushes, plastic bonded: Galvanized, double-stem. Ideal for removing heavy burrs from boreholes, cleaning internal surfaces and removing excess rubber from vibrating mounts.

SIBOT® internal brushes: Square trimmed, with shank. In a single operation they brush the sides and bottoms of cylindrical holes. For removing fine burrs from cross-drilled holes.

Tube brushes, plastic bonded

Dimensions			Shank mm	Orig. OSBORN steel wire		Pack. Qty.
D mm	A mm	L mm		0,15 Item No.	0,26 Item No.	
13	50	125	5	9907-051 110	---	12
16	50	125	5	---	9907-051 111	12
19	63	125	6	---	9907-051 112	12
22	63	125	6	---	9907-051 113	12
25,4	63	125	6	---	9907-051 114	12

SIBOT® internal brushes

Dimensions			Shank mm	Orig. OSBORN steel wire 0,15 Item No.	MSFS RPM	Pack. Qty.
D mm	T mm	L mm				
25,4	10	83	6,35	9907-011 190	4.500	12
31,8	13	86	6,35	9907-011 198	4.500	12
38,1	14	86	6,35	9907-011 202	4.500	12

Other dimensions and wire sizes on request! The standard stocked items are printed in **bold type!**

Honing tools



The continuously growing demand of industrial production to the quality of all components and very tight process tolerances require inevitably the increasing application of the honing procedure beyond the traditional brush applications.

Advantages:

- very easy and quick method to treat bores in all materials
- a cost-efficient alternative to internal grinding
- guaranteed bore geometry with pinpoint accuracy ($<0.05 \mu\text{m Ra}$)
- every surface requested can be achieved ($<0.02 \mu\text{m Ra}$)
- high material removal at low tool costs

We optimize the placement of lag-honing tools with honing lags for the treatment of most diverse materials, e.g. NiKaSil, hard chrome, aluminium, various oxide layers, free-cutting steel, tool steel, quenched and tempered steel, grey cast iron and others.

The applications primarily extend over the entire the metal-working industry, with focus on the automobile, vehicle construction, toolmaking, machine tool building, hydraulic and pneumatic industry as well as the aeronautical industry. Additionally a diversified range of applications has emerged in the production of compressors and electric motors.



Product specification Wheel brush



Issued (name / date): _____

Customer / reference



OSBORN International GmbH
 Ringstraße 10
 35099 Burgwald, Germany
 Phone: +49 (0) 64 51 / 5 88-0
 Fax: +49 (0) 64 51 / 5 88-206
 eMail: desales@osborn.com
 www.osborn.de

General	
Rundb Dx (DE), Wheel Dx (EN), Circ Dx (FR), Circ Dx (ES)	
Required quantity	pcs.
Material number	

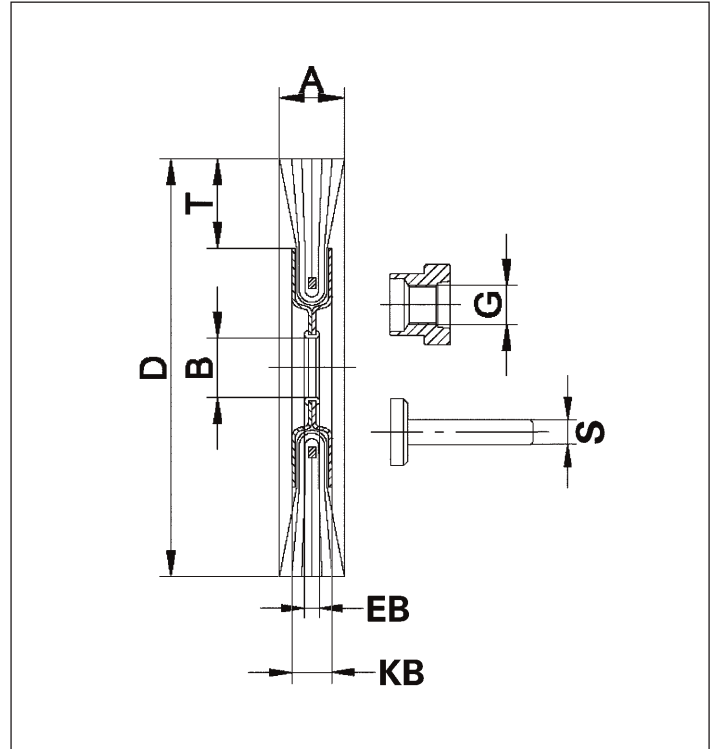
Dimensions	
Outside diameter (D)	mm
Tubing interior diameter (R)	mm
Trimming height/ -lengthens (T)	mm
Working width (A)	mm
Arbor hole (B)/ shank (S)/ thread (G)	mm
Keyway (Yes/ No)	mm
Clamping width (EB)	mm
Core width (KB)	mm

Type	
Crimped	
Knotted	
Straight	
Bound	

Fill materials	
Original OSBORN steel wire	
Stainless steel wire	
Plastic bonded steel wire	
Korfil-E (SIC)	
Others	
Wire size/ grit size	mm Grit

Operating conditions	
RPM	n max MSFS
Kind of drive unit	
Kind of workpiece	
Auxiliary media/ working conditions (water/ oil/ acids/ liquor)	

Specials (special packing/ special marking/ etc.)



Notes (sketches/ remarks/ etc.)

Product specification Cup brush



Issued (name / date): _____

Customer / reference



OSBORN International GmbH
 Ringstraße 10
 35099 Burgwald, Germany
 Phone: +49 (0) 64 51 / 5 88-0
 Fax: +49 (0) 64 51 / 5 88-206
 eMail: desales@osborn.com
www.osborn.de

General	
Topfb D (DE), CUPBR D (EN), COUPES D (FR), TAZA D0 (ES)	
Required quantity	pcs.
Material number	

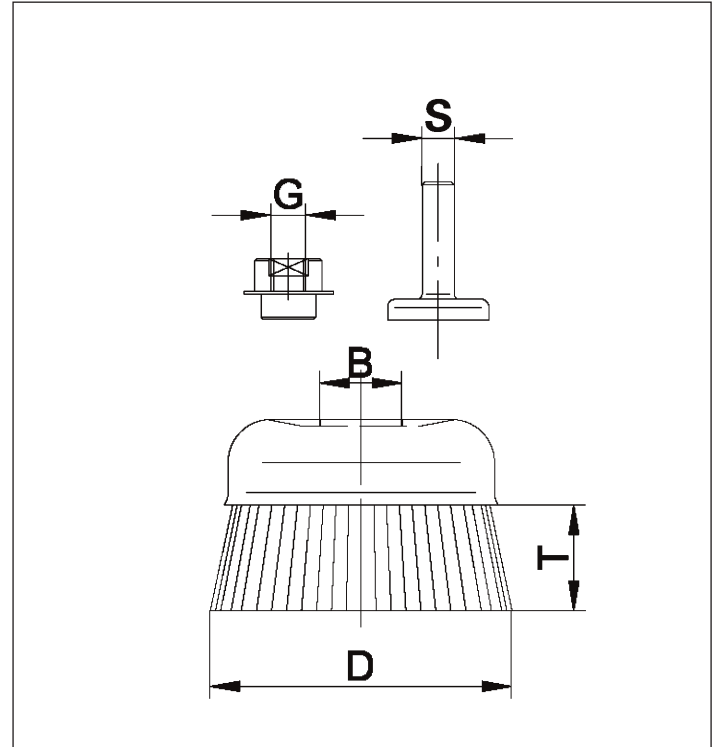
Dimensions	
Outside diameter (D)	mm
Trimming height/ -lengthens (T)	mm
Arbor hole (B)/ shank (S) thread (G)	mm
Keyway (Yes/ No)	mm

Type	
Crimped	<input type="checkbox"/>
Knotted	<input type="checkbox"/>
Straight	<input type="checkbox"/>
Bound	<input type="checkbox"/>

Fill materials	
Original OSBORN steel wire	<input type="checkbox"/>
Stainless steel wire	<input type="checkbox"/>
Plastic bonded steel wire	<input type="checkbox"/>
Korfil-E (SIC)	<input type="checkbox"/>
Others	
Wire size/ grit size	mm Grit

Operating conditions	
RPM	n max MSFS
Kind of drive unit	
Kind of workpiece	
Auxiliary media/ working conditions (water/ oil/ acids/ liquor)	

Specials (special packing/ special marking/ etc.)



Notes (sketches/ remarks/ etc.)

Product specification Internal brush



Issued (name / date): _____

Customer / reference



OSBORN International GmbH
 Ringstraße 10
 35099 Burgwald, Germany
 Phone: +49 (0) 64 51 / 5 88-0
 Fax: +49 (0) 64 51 / 5 88-206
 eMail: desales@osborn.com
www.osborn.de

General	
ROHRB (DE), TUBE B (EN), ECOUVILLON (FR), CEP LIMPIA TUBO (ES)	
Required quantity	pcs.
Material number	

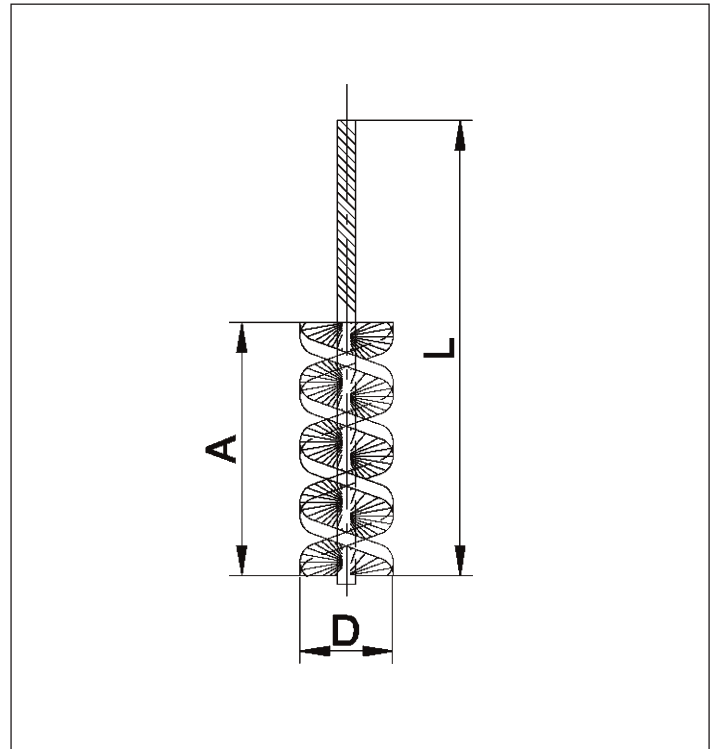
Dimensions	
Diameter (D)	mm
Total length (L)	mm
Trim length (A)	mm

Type			
crimped	<input type="checkbox"/>		
knotted	<input type="checkbox"/>		
straight	<input type="checkbox"/>		
Bound	<input type="checkbox"/>		
Single spiral	<input type="checkbox"/>	Double spiral	<input type="checkbox"/>
Twist wire: galvanized	<input type="checkbox"/>	Twist wire: stainless	<input type="checkbox"/>
Shank	<input type="checkbox"/>	Handle	<input type="checkbox"/>
Eye	<input type="checkbox"/>	Thread	<input type="checkbox"/>
Handle: wood	<input type="checkbox"/>	Handle: plastic	<input type="checkbox"/>

Fill materials			
Original OSBORN steel wire	<input type="checkbox"/>		
Stainless steel wire	<input type="checkbox"/>		
Plastic bonded steel wire	<input type="checkbox"/>		
Korfil-E (SIC)	<input type="checkbox"/>		
Others	<input type="checkbox"/>		
Wire size/ grit size	mm	Grit	

Operating conditions		
RPM	n max	MSFS
Kind of drive unit		
Kind of workpiece		
Auxiliary media/ working conditions (water/ oil/ acids/ liquor)		

Specials (special packing/ special marking/ etc.)



Notes (sketches/ remarks/ etc.)

Product specification End brush



Issued (name / date): _____

Customer / reference



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General	
PINSELB (DE), END B (EN), B PINCEAU (FR), CEP PINCEL (ES)	
Required quantity	pcs.
Material number	

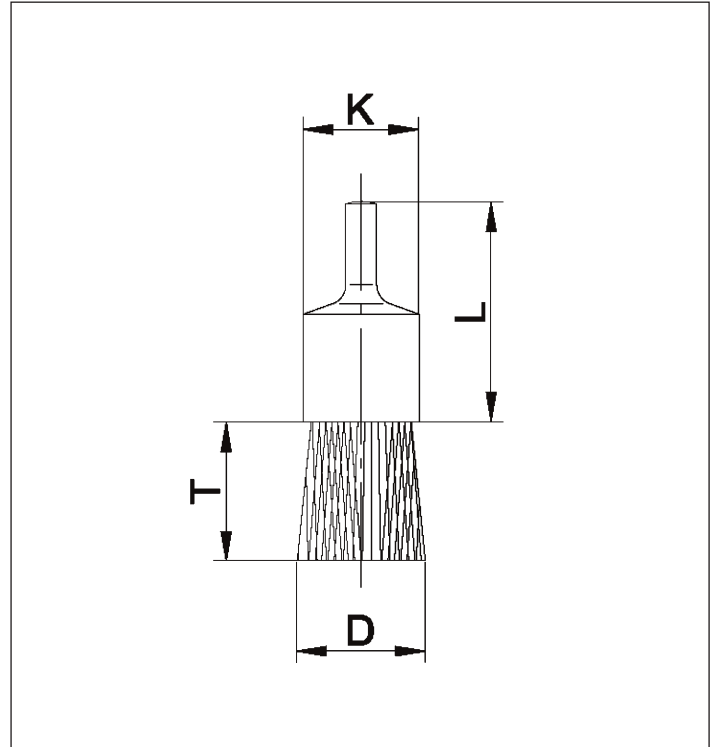
Dimensions	
Outside diameter (D)	mm
Trimming height/ -lengthens (T)	mm
Arbor hole (B)/ shank (S)/ thread (G)	mm
Keyway (Yes/ No)	mm

Type	
crimped	<input type="checkbox"/>
knotted	<input type="checkbox"/>
straight	<input type="checkbox"/>
Bound	<input type="checkbox"/>

Fill materials	
Original OSBORN steel wire	<input type="checkbox"/>
Stainless steel wire	<input type="checkbox"/>
Plastic bonded steel wire	<input type="checkbox"/>
Korfil-E (SIC)	<input type="checkbox"/>
Others	
Wire size/ grit size	mm Grit

Operating conditions	
RPM	n max MSFS
Kind of drive unit	
Kind of workpiece	
Auxiliary media/ working conditions (water/ oil/ acids/ liquor)	

Specials (special packing/ special marking/ etc.)



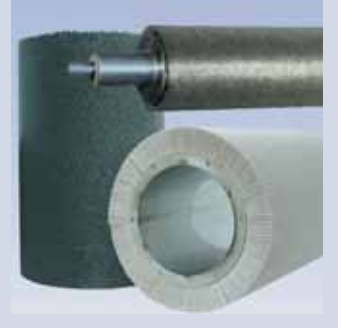
Notes (sketches/ remarks/ etc.)

Our further product range

Special brushes and roller brushes



Specially designed and engineered to meet customer's specific application needs.



OSBORN Novofil



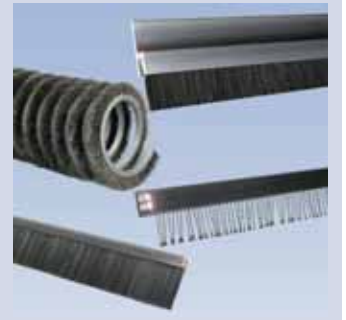
Abrasive nylon brushes in Hi Tec filaments, rectangular and round in Diamond, Zirconium, Aluminium Oxide and Silicon Carbide. Available in a wide range of grit values.



OSBORN MultiStrip



Saving thermal energy, reducing the passage of sound, protecting against insect and vermin infestation, sealing against dust, dirt, water and smoke, cleaning of industrial and commercial conveying systems.



Brushes for weld cleaning



Power driven brushes for the pipeline industry, e.g. cleaning the internal diameters of pipe, external cleaning, edge preparation, removal of insulation coatings, remedial work, cleaning weld seams prior to welding and weld bead deslag.



Microabrasive brushes and miniatur brushes



Flexible, highly efficient brushing tools for surface finishing of small bores and cross hole deburring.



Multizack system and punched roller brushes



Products for a wide range of applications: Brushes for cleaning, deburring, transporting, sorting, washing, guiding and structuring.



Non-woven mill rolls



The economical alternative to conventional rubber-coated, PUR- and felt rolls. The chemical resistance of our non-woven materials is matched to the individual demand through the ideal combination of fibre material and bonding agent.



OSBORN Load Runners



Load handling systems for precise movement of heavy loads in demanding industrial applications.



OSBORN PRO



The product range for professional applications.



Individuelle trading concepts



The product range for professional applications. In addition to the standard range of brushing tools, we can supply a range of products for resale which are specially designed to attract attention at the point of sale.



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ISO 9001-2000 Certified Quality System

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