

**OSBORN**  
**TOP**



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

**OSBORN**  
INTERNATIONAL

High Performance

# Content

<b>Intro</b>	OSBORN, Your competent partner.		Page	<b>3-5</b>
<b>Technical information</b>	Rules to be observed.		Page	<b>6-7</b>
<b>Fill materials</b>	The right material.		Page	<b>8</b>
<b>Adapters and drive arbors</b>	For perfect mounting.		Page	<b>9</b>
<b>Wheel brushes, knotted</b>	DISC CENTER®		Page	<b>10-13</b>
<b>Wheel brushes, crimped</b>	RINGLOCK®, MONITOR®, MATIC®, MASTER-WHEEL®, UNI-MASTER®		Page	<b>14-19</b>
<b>Cup brushes, knotted</b>	CUP®		Page	<b>20-21</b>
<b>End brushes</b>	RUFTUF®, FLEX®, PILOT-BONDING®, DRILL®		Page	<b>22-25</b>
<b>Korfil-E®</b>	RINGLOCK®, UNI-MASTER®, KORFLEX®		Page	<b>26-29</b>
<b>Internal brushes</b>	Korfil-E®, SIBOT®, SITUFT®, HELITUF® Honing tools		Page	<b>30-35</b>
<b>Product specification</b>			Page	<b>36-39</b>
<b>Our further product range</b>			Page	<b>40-41</b>
<b>Index, numerical</b>			Page	<b>42-43</b>

# 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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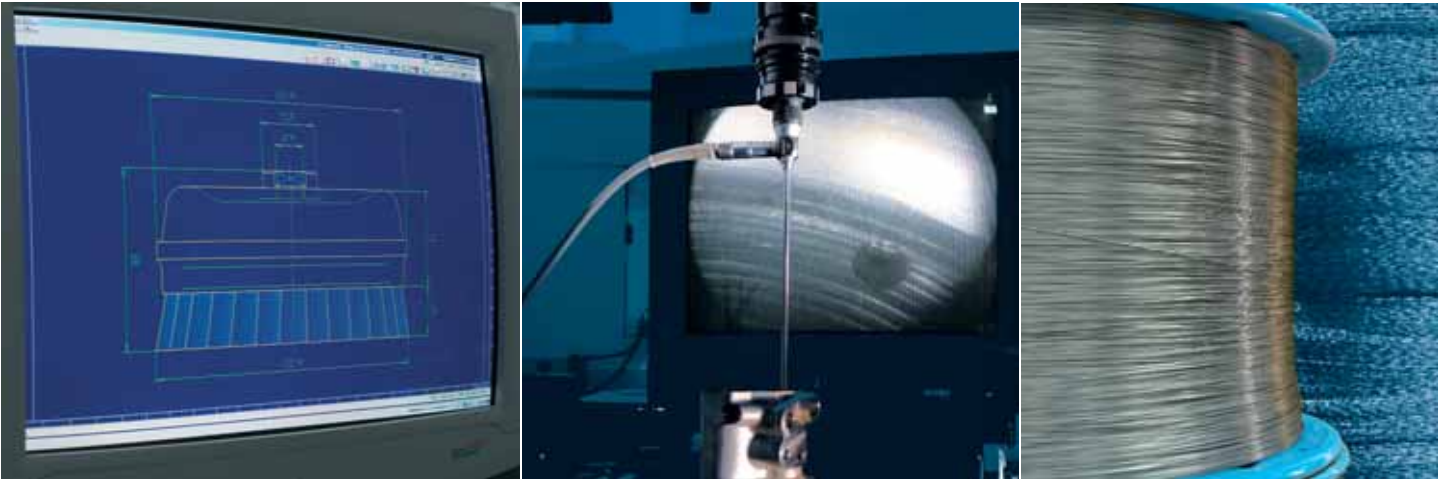
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# Development. Testing. Production.

## 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.

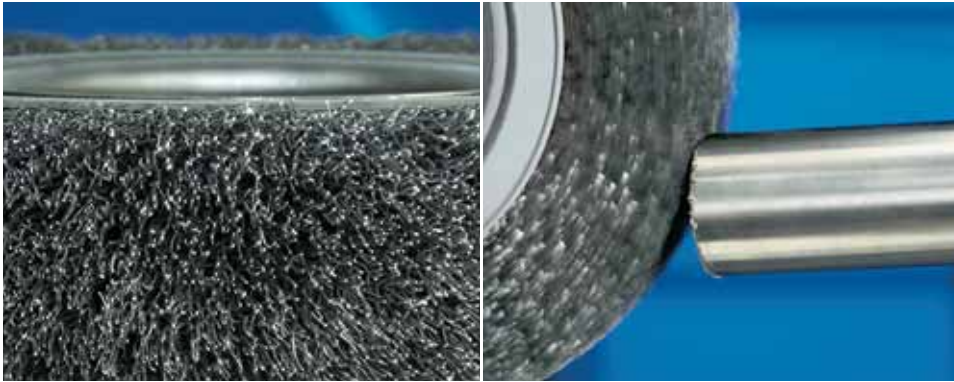
For further recommendations of optimal work speeds and driving power, please refer to the tables listed in this catalogue or contact our technical service for assistance.

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

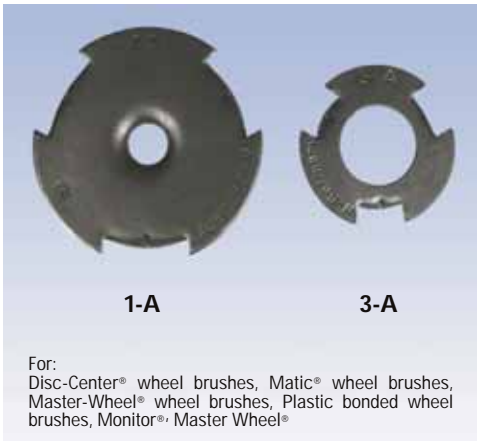
### Korfil-E® (Si C)



- 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)

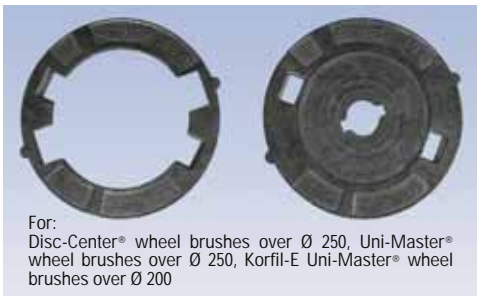


# Adapters and drive arbors



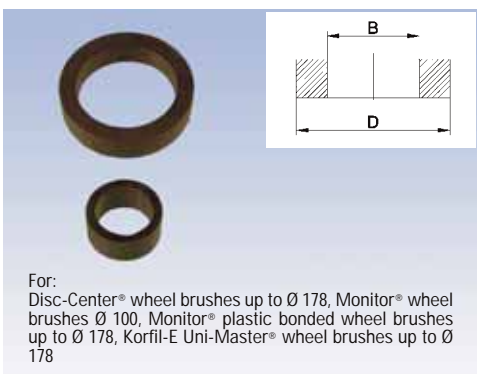
1-A / 3-A adapter [mm] interchangeable metal adapters		
Ø of arbor hole mm	1-A Item No.	3-A Item No.
6	---	0103-075 306
10	<b>0103-075 210</b>	0103-075 310
12	0103-075 212	0103-075 312
13	0103-075 213	0103-075 313
15	0103-075 215	0103-075 315
16	<b>0103-075 216</b>	<b>0103-075 316</b>
17	0103-075 217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

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	<b>0103-075 047</b>
1/2"	0103-075 021	<b>0103-075 048</b>
5/8"	<b>0103-075 022</b>	<b>0103-075 049</b>
3/4"	<b>0103-075 023</b>	<b>0103-075 050</b>
7/8"	<b>0103-075 024</b>	<b>0103-075 051</b>
1"	<b>0103-075 025</b>	<b>0103-075 052</b>
1/8"	0103-075 026	---
1 1/4"	<b>0103-075 027</b>	---
1 1/2"	<b>0103-075 028</b>	---

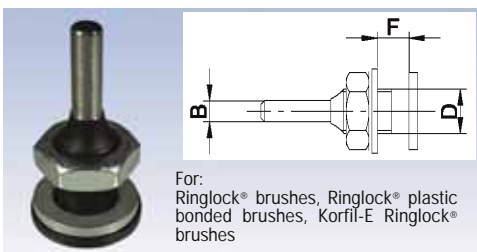


4-M adapter interchangeable metal adapters		
Ø of arbor hole mm	inch	Item No.
12,7	1/2"	<b>0003-075 064</b>
15,9	5/8"	<b>0003-075 065</b>
19	3/4"	<b>0003-075 066</b>
22,2	7/8"	<b>0003-075 067</b>
25,4	1"	<b>0003-075 068</b>

Ø of arbor hole mm	inch	Item No.
28	1 1/8"	<b>0003-075 069</b>
31,8	1 1/4"	<b>0003-075 070</b>
38	1 1/2"	<b>0003-075 071</b>
44,5	1 3/4"	<b>0003-075 072</b>
50,8	2"	<b>0003-075 073</b>



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"	<b>0003-000 212</b>
15,9	5/8"	6,35	1/4"	<b>0003-000 221</b>
15,9	5/8"	9,53	3/8"	<b>0003-000 222</b>
15,9	5/8"	12,7	1/2"	<b>0003-000 223</b>
22,2	7/8"	9,53	3/8"	<b>0003-000 242</b>
22,2	7/8"	12,7	3/8"	<b>0003-000 243</b>
22,2	7/8"	15,9	5/8"	<b>0003-000 244</b>
22,2	7/8"	19	3/4"	<b>0003-000 245</b>



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

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

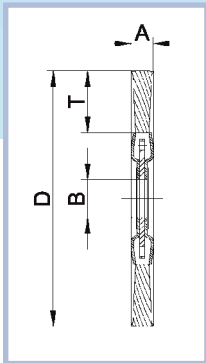
# Wheel brushes, knotted

## 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

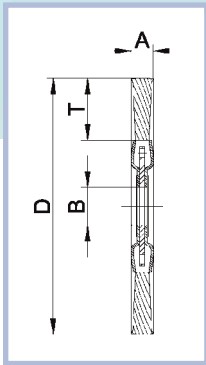
for single handed angle grinders and horizontal grinders

Dimensions			Arbor hole B mm inch	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.				
<b>Ø 75</b>													
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	<b>9906-026 011</b>	9906-026 012	---	---	F	20.000	12
<b>Ø 100</b>													
100	13	22	16	5/8"	---	<b>9906-026 115</b>	<b>9906-026 116</b>	<b>9906-026 117</b>	<b>9906-026 218</b>	---	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	---	---	<b>9906-026 365</b>	---	---	---	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
<b>Ø 115</b>													
115	6	20	22,2	7/8"	---	---	0002-626 301	<b>2906-026 501</b>	---	<b>0002-626 650</b>	---	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"	---	---	<b>0002-631 131</b>	<b>0002-631 151</b>	<b>0002-631 331</b>	<b>0002-631 351</b>	---	12 500	1
<b>Ø 125</b>													
125	6	25	22,2	7/8"	---	---	0002-626 311	<b>0002-626 251</b>	---	<b>0002-626 651</b>	---	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"	---	---	<b>6152-631 131</b>	<b>2202-631 151</b>	2202-631 331	<b>2202-631 351</b>	---	12 500	1
125	13	28	---	---	M14x2	---	<b>1402-631 131</b>	<b>1402-631 151</b>	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

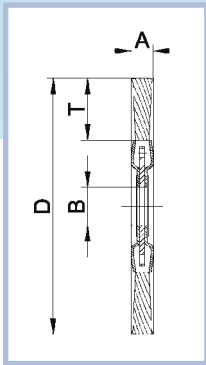
for angle grinders and stationary machines

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.	
<b>Ø 150</b>													
150	6	38	22,2	7/8"	---	---	---	9906-026 501	---	---	F	12.000	12
150	25	38	22,2	7/8"	---	<b>9906-026 246</b>	<b>9906-026 247</b>	---	---	<b>9906-026 629</b>	F	12.000	12
150	13	38	22,2	7/8"	---	---	---	---	<b>9906-026 249</b>	---	F	12.000	12
150	6	38	---	---	M14x2	---	---	<b>9906-026 500</b>	---	---	---	12.000	10
150	6	38	---	---	5/8"NC	---	---	9906-026 045	---	---	---	12.000	10
150	25	38	---	---	5/8"NC	---	---	---	<b>9906-026 047</b>	---	---	12.000	10
<b>Ø 165</b>													
165	6	32	22,2	7/8"	---	---	---	<b>9886-026 051</b>	---	---	F	12.000	12
165	10	32	22,2	7/8"	---	---	---	---	<b>9886-026 039</b>	---	F	12.000	12
165	6	32	---	---	5/8"NC	---	---	9906-026 048	---	---	---	12.000	10
165	10	32	---	---	5/8"NC	---	---	---	<b>9906-026 039</b>	---	---	12.000	2
<b>Ø 171</b>													
171	6	29	22,2	7/8"	---	---	---	<b>9706-026 904</b>	---	---	F	12.000	12
171	6	29	---	---	5/8"NC	---	---	<b>9906-026 904</b>	---	---	---	12.000	10
<b>Ø 178</b>													
178	6	38	22,2	7/8"	---	---	---	<b>9906-026 051</b>	---	---	F	12.000	12
178	13	44	22,2	7/8"	---	---	---	---	<b>9906-026 551</b>	---	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.

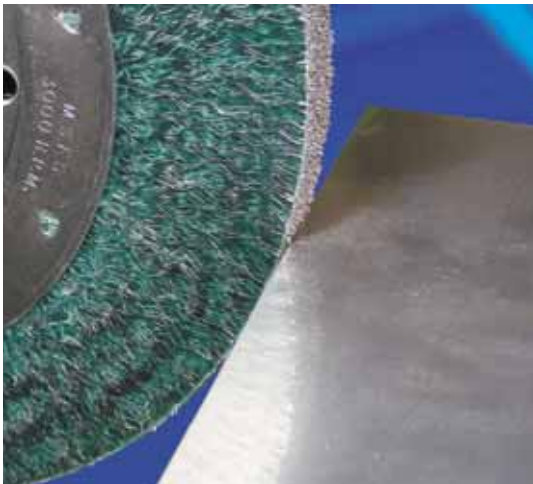
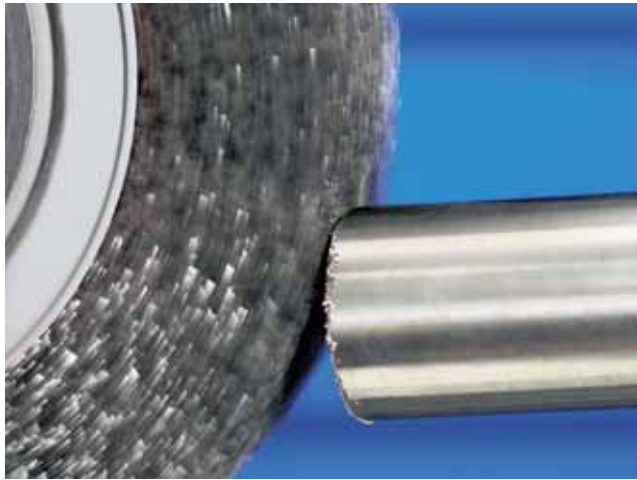
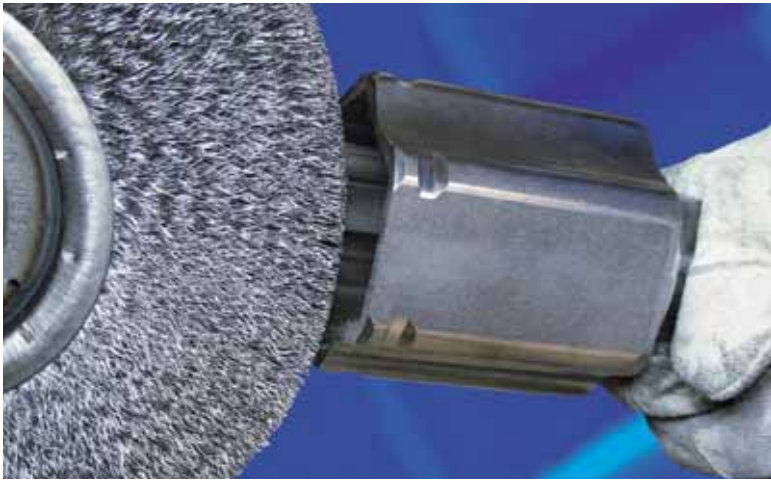
### DISC CENTER® wheel brushes for stationary machines

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

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

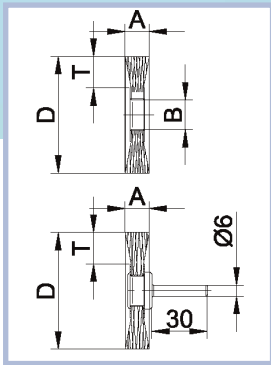
# Wheel brushes, crimped

## 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

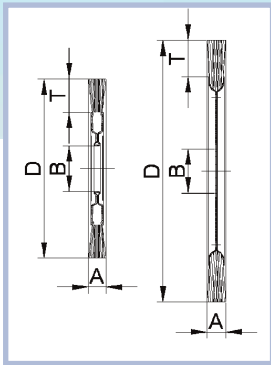
Dimensions	Arbor hole		Thread	Orig. OSBORN steel wire			Orig. stainless OSBORN st. 0,26	Adapter	MSFS RPM	Stand. Verp.			
	D mm	A mm		T mm	B mm	inch					G	0,15 Item No.	0,20 Item No.
<b>Ø 100</b>													
MONITOR	12	20	16	5/8"	---	<b>9906-021 002</b>	---	---	---	<b>9906-021 055</b>	F	6.000	2
MATIC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

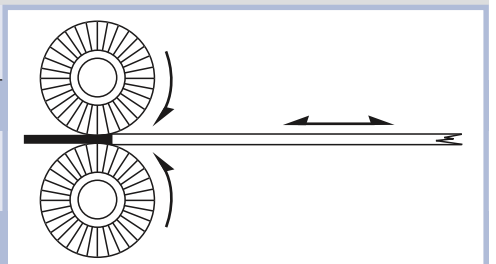
**Wire stripping brush:** These brushes require very little pressure to thoroughly remove all types of insulation from electrical wire. Please note, that the wire stripping is accomplished by arranging two brushes, as shown in the below sketch.

## 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.			
<b>Ø 200</b>													
MONITOR	18	38	50,8	2"	---	<b>9906-021 183</b>	<b>9906-022 184</b>	---	---	---	1A	4.500	2
MATIC	22	37	50,8	2"	---	<b>9906-022 081</b>	<b>9906-022 082</b>	<b>9906-022 085</b>	9906-022 086	<b>9906-022 088</b>	1A	4.500	2
<b>Ø 250</b>													
UNI-MASTER	26	60	50,8	2"	---	<b>9906-013 007</b>	<b>9906-013 008</b>	<b>9906-013 009</b>	<b>9906-013 010</b>	<b>9906-013 011</b>	4M	3.600	2
<b>Ø 300</b>													
UNI-MASTER	28	60	50,8	2"	---	---	<b>9906-013 020</b>	<b>9906-013 021</b>	<b>9906-013 022</b>	<b>9906-013 023</b>	4M	3.000	2
<b>Ø 380</b>													
UNI-MASTER	32	72	50,8	2"	---	---	<b>9906-013 056</b>	<b>9906-013 057</b>	<b>9906-013 058</b>	---	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				
<b>Ø 35</b>								
35	20	9,5	6,4	1/4"	---	<b>9907-011 679</b>	3.500	2
<b>Ø 38</b>								
38	24	9,5	9,5	3/8"	---	<b>9907-011 682</b>	3.500	2
38	48	9,5	9,5	3/8"	---	9907-011 685	3.500	2

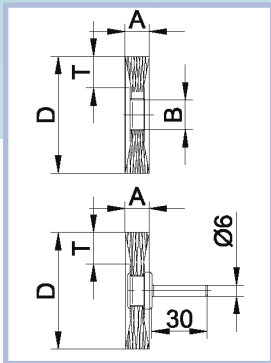


Operating speeds (1750 to 3450 RPM) vary with type of insulation material.  
Wire to be stripped: 60 mm and heavier

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 mm	A mm	T mm	B mm	inch	0,15 Item No.	0,20 Item No.	0,26 Item No.	0,35 Item No.		
38	6	10	10	3/8"	---	<b>9907-011 623</b>	9907-011 624	<b>9907-011 625</b>	20.000	12
50	7	13	13	1/2"	9907-011 631	<b>9907-011 632</b>	---	<b>9907-011 634</b>	15.000	12
63	8	19	13	1/2"	---	---	---	<b>9907-011 641</b>	15.000	12
76	8	23	16	5/8"	---	<b>9907-011 650</b>	---	9907-011 651	15.000	12

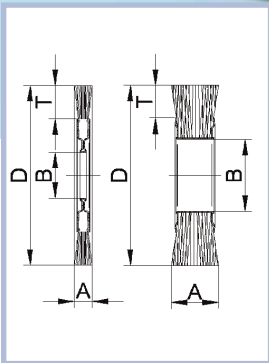
### PB RINGLOCK® wheel brushes, plastic bonded, with fixed shank for high speed portable tool

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.		
38	6	10	6	---	<b>9907-011 723</b>	9907-011 724	<b>9907-011 725</b>	20.000	10
50	7	13	6	<b>9907-011 731</b>	<b>9907-011 732</b>	---	9907-011 734	15.000	10
63	8	19	6	---	---	---	<b>9907-011 741</b>	15.000	10
76	8	23	6	---	<b>9907-011 750</b>	---	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.				
<b>Ø 100</b>												
MONITOR	10	19	13-16	1/2-5/8"	---	<b>9907-021 594</b>	---	<b>9907-021 595</b>	---	F	6.000	4
<b>Ø 150</b>												
MONITOR	5	29	22,2	7/8"	---	---	---	---	---	F	9.000	12
MONITOR	10	29	32	1 1/4"	---	<b>9907-021 503</b>	<b>9907-021 504</b>	<b>9907-021 506</b>	<b>9907-021 508</b>	---	---	---
MASTER-W.	25	27	50,8	2"	---	---	---	<b>9907-022 704</b>	---	3A 1A	6.000 6.000	4 2
<b>Ø 178</b>												
TORNADO-PB	5	41	22,2	7/8"	---	---	---	---	---	F	8.000	12
TORNADO-PB	5	41	---	---	5/8" NC	---	---	---	---	---	8.000	10
TORNADO-PB	5	41	---	---	M14	---	---	---	<b>0002-921 889</b> <b>0002-921 876</b>	---	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.			
<b>Ø 200</b>											
MONITOR	10	38	32	1 1/4"	---	---	9907-021 512	---	3A	4.500	4
MONITOR	10	47	32	1 1/4"	---	<b>9907-021 509</b>	---	---	3A	4.500	4
MATIC	14	38	50,8	2"	---	<b>9907-022 773</b>	---	<b>9907-022 774</b>	1A	4.500	2
<b>Ø 250</b>											
MATIC	19	51	50,8	2"	---	---	---	<b>9907-022 783</b>	1A	3.600	2
<b>Ø 300</b>											
MATIC	22	48	50,8	2"	---	---	---	<b>9907-022 794</b>	1A	3.000	2

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

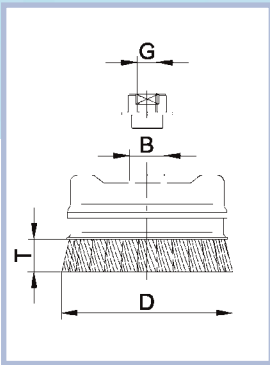
# Cup brushes, knotted

## 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.

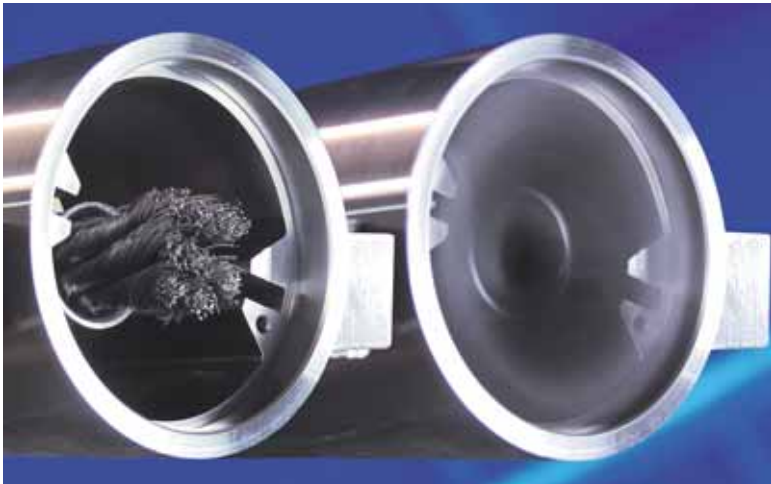
### CUP® cup brushes, knotted for angle grinders

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.		
<b>Ø 90</b>							
90	32	65	M14x2	<b>9906-033 125</b>	---	7.500	6
90	32	65	5/8"NC	<b>9906-033 126</b>	---	7.500	6
<b>Ø 150</b>							
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
<b>Ø 150 (2 rows)</b>							
150	45	75	M14x2	<b>9906-033 031</b>	---	6.000	1
150	45	75	5/8"NC	<b>9906-033 030</b>	---	6.000	1

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

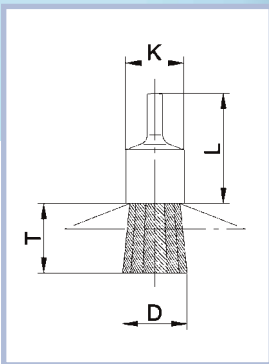
# End brushes

## 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	<b>9906-030 302</b>	<b>9906-030 304</b>	<b>9906-030 305</b>	---	<b>9906-030 326</b>	<b>9906-030 328</b>	<b>9906-030 329</b>	22.000	12
20 neutral	20	44	29	6	---	---	<b>4506-030 305</b>	---	---	<b>4506-030 328</b>	<b>4506-030 329</b>	22.000	12
23	23	44	29	6	<b>9906-030 308</b>	<b>9906-030 310</b>	<b>9906-030 311</b>	<b>9906-030 312</b>	<b>9906-030 332</b>	<b>9906-030 334</b>	<b>9906-030 335</b>	20.000	12
23 neutral	23	44	29	6	---	---	<b>4506-030 311</b>	---	---	---	---	20.000	12
30	30	44	29	6	<b>9906-030 314</b>	<b>9906-030 316</b>	<b>9906-030 317</b>	<b>9906-030 318</b>	<b>9906-030 338</b>	<b>9906-030 340</b>	<b>9906-030 341</b>	20.000	12
30 neutral	30	44	29	6	---	---	<b>4506-030 317</b>	<b>4506-030 318</b>	---	---	<b>4506-030 341</b>	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	<b>8206-030 305</b>	---		120
20 rolled up	4	20	44	30	6	8736-030 305	---		12
23 rolled up	8	20	44	30	6	---	8106-030 312		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"	<b>9907-030 145</b>	<b>9907-030 190</b>	25.000	12
13	57,15	10	3,18	1/4"	9907-030 148	<b>9907-030 193</b>	25.000	12
13	57,15	10	3,97	1/4"	<b>9907-030 151</b>	<b>9907-030 196</b>	25.000	12
13	57,15	10	4,76	1/4"	<b>9907-030 154</b>	<b>9907-030 199</b>	25.000	12
13	57,15	10	6,35	1/4"	<b>9907-030 157</b>	---	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	<b>9907-030 235</b>	3.500	12

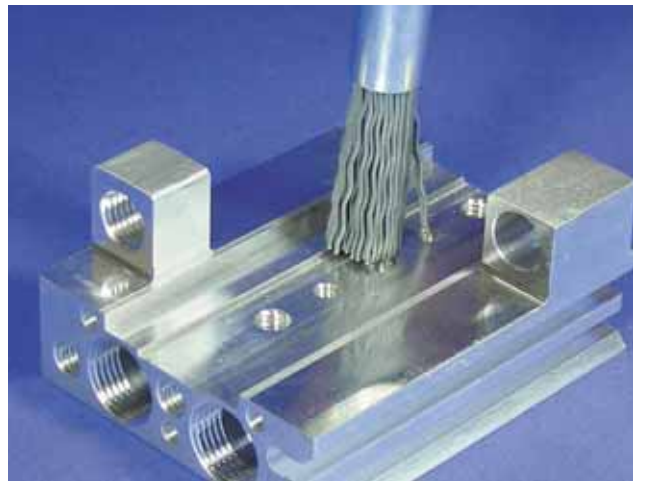
### Holder für DRILL® end brushes

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

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

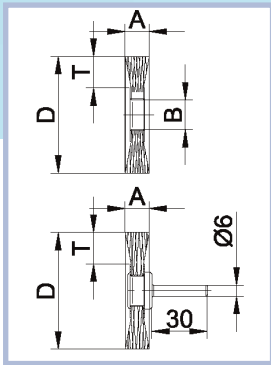
Korfil-E®

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	inch	120	180	320		
mm	mm	mm	mm		Item No.	Item No.	Item No.		
<b>38</b>	10	6	13	1/2"	<b>9906-011 146</b>	<b>9906-011 147</b>	<b>9906-011 148</b>	20.000	12
<b>50</b>	10	11	16	5/8"	<b>9906-011 149</b>	<b>9906-011 150</b>	<b>9906-011 151</b>	15.000	12
<b>63</b>	13	17	16	5/8"	<b>9906-011 153</b>	<b>9906-011 154</b>	<b>9906-011 155</b>	15.000	12

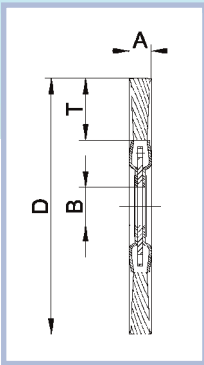
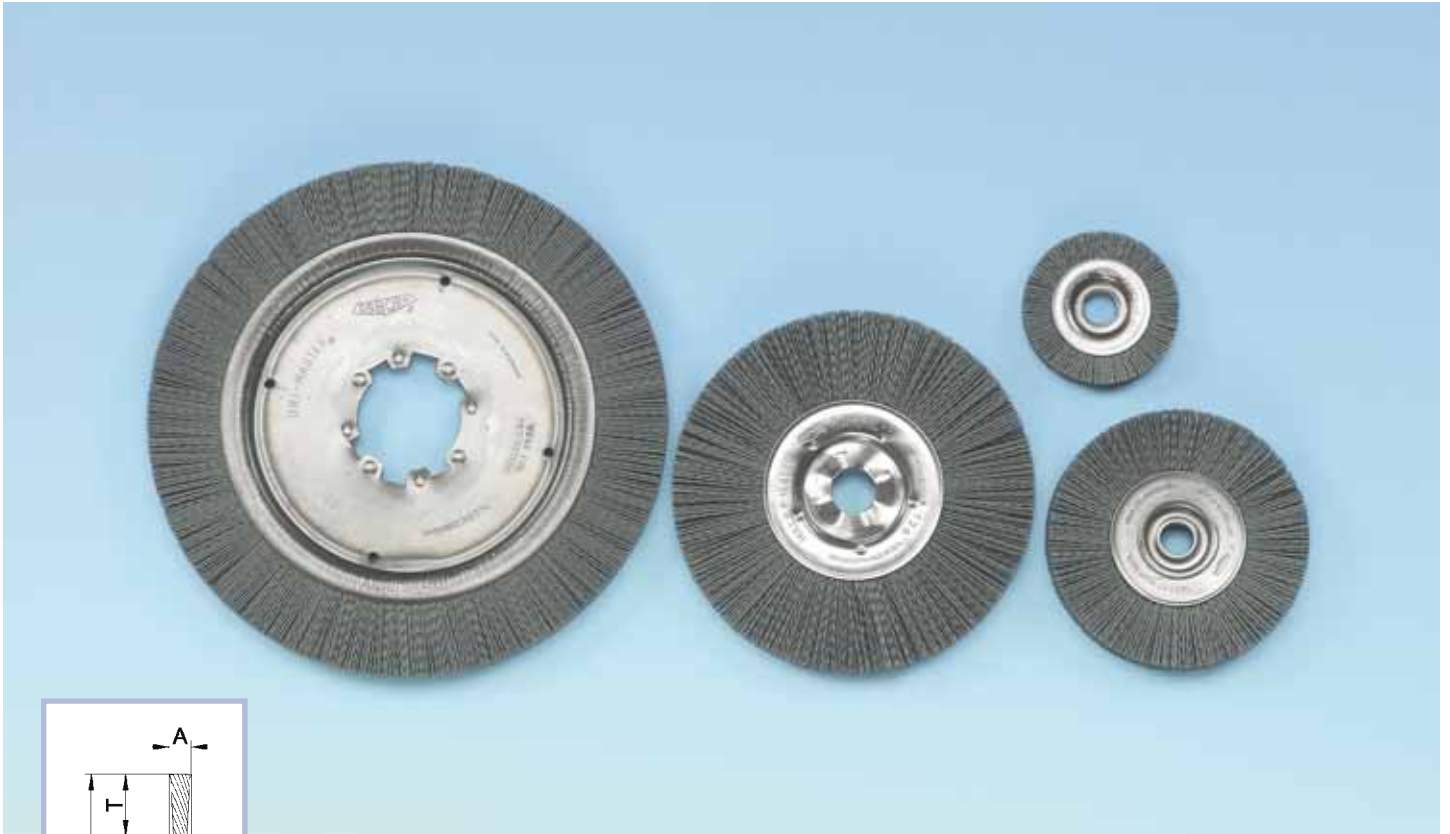
### RINGLOCK® wheel brushes, Korfil-E®, with fixed shank for high speed portable tools

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



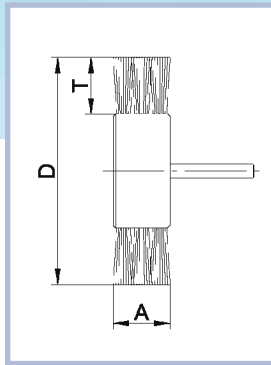
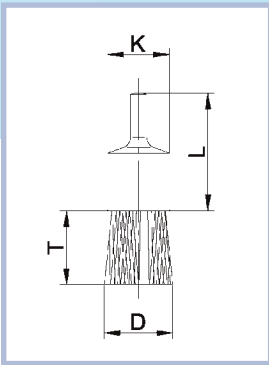
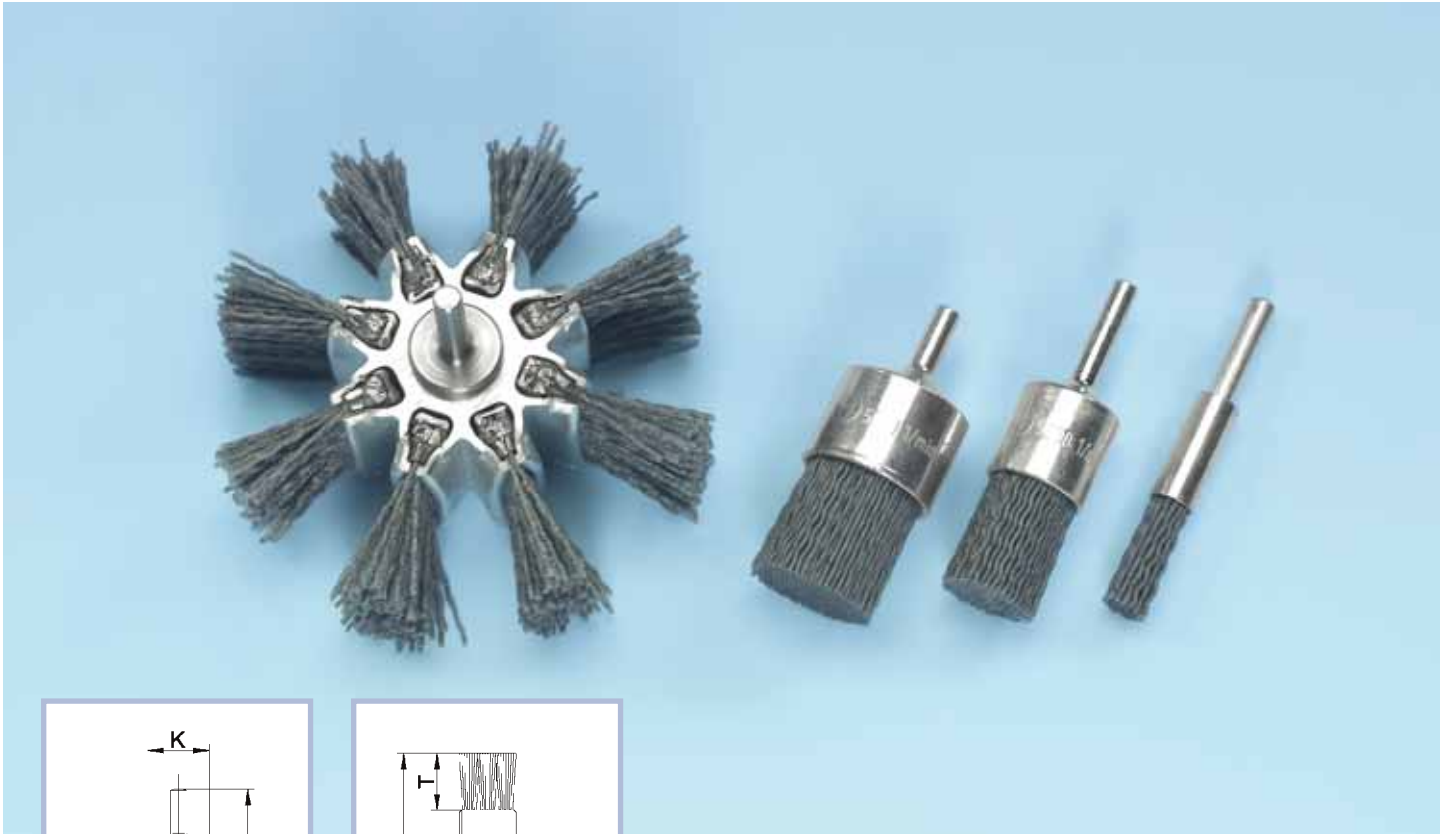
These flexible brushes adapt themselves to the workpiece and have excellent characteristics for treating different materials. Extremely reliable in operation and economical. Brushes can be mounted in multiple to build a wide face brush. Recommended surface speed 22 m/sec.

### 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.							
<b>Ø 75</b>												
75	12	15	16	5/8"	---	<b>9906-015 001</b>	<b>9906-015 002</b>	<b>9906-015 003</b>	<b>9906-015 004</b>	F	20.000	6
<b>Ø 100</b>												
100	13	20	16	5/8"	---	<b>9906-015 025</b>	<b>9906-015 026</b>	<b>9906-015 027</b>	<b>9906-015 028</b>	F	12.000	6
<b>Ø 125</b>												
125	16	32	16	5/8"	---	<b>9906-015 035</b>	<b>9906-015 036</b>	<b>9906-015 037</b>	<b>9906-015 038</b>	F	12.000	6
<b>Ø 150</b>												
150	17	32	22,2	7/8"	---	<b>9906-015 079</b>	<b>9906-015 080</b>	<b>9906-015 081</b>	<b>9906-015 082</b>	F	8.000	6
<b>Ø 178</b>												
178	20	47	22,2	7/8"	---	<b>9906-015 040</b>	<b>9906-015 041</b>	<b>9906-015 042</b>	<b>9906-015 043</b>	F	8.000	2
<b>Ø 200</b>												
200	18	35	50,8	2"	---	<b>9906-015 050</b>	<b>9906-015 051</b>	<b>9906-015 052</b>	<b>9906-015 053</b>	4M	6.000	2
<b>Ø 250</b>												
250	18	35	50,8	2"	---	<b>9906-015 056</b>	<b>9906-015 057</b>	<b>9906-015 058</b>	<b>9906-015 059</b>	4M	3.000	2
250	18	60	50,8	2"	---	<b>9946-015 056</b>	<b>9946-015 057</b>	<b>9946-015 058</b>	<b>9946-015 059</b>	4M	3.000	2
<b>Ø 300</b>												
300	18	35	50,8	2"	---	<b>9906-015 062</b>	<b>9906-015 063</b>	<b>9906-015 064</b>	<b>9906-015 065</b>	4M	2.400	2
300	18	60	50,8	2"	---	<b>9966-015 062</b>	<b>9966-015 063</b>	<b>9966-015 064</b>	<b>9966-015 065</b>	4M	3.000	2
<b>Ø 350</b>												
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.		
<b>10</b>	10	45	25	6	<b>9906-030 488</b>	<b>9906-030 489</b>	<b>9906-030 490</b>	8.000	12
<b>15</b>	15	45	25	6	<b>9906-030 492</b>	<b>9906-030 493</b>	<b>9906-030 494</b>	5.000	12
<b>22</b>	22	45	25	6	<b>9906-030 496</b>	<b>9906-030 497</b>	<b>9906-030 498</b>	5.000	12
<b>28</b>	28	45	25	6	<b>9906-030 500</b>	<b>9906-030 501</b>	<b>9906-030 502</b>	5.000	12

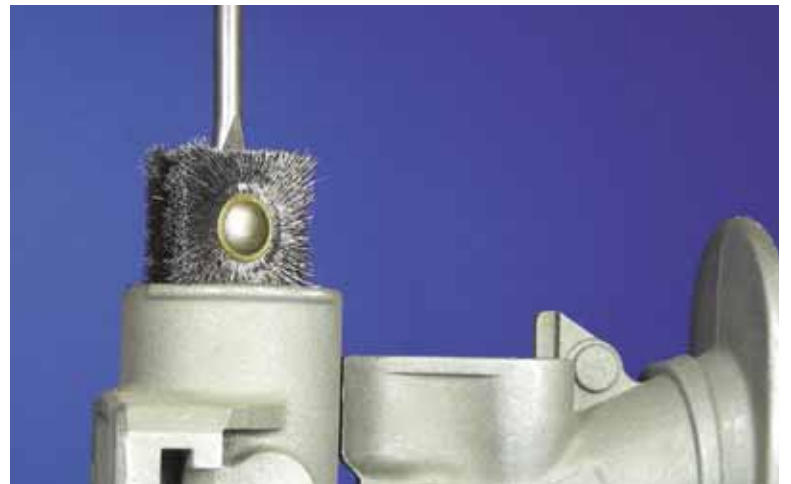
## KORFLEX® flap wheel brushes, Korfil-E®, with shank

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

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

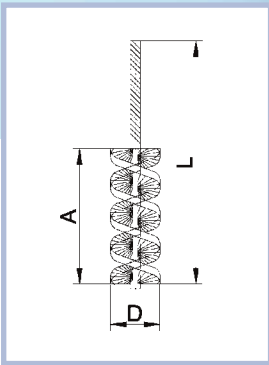
# Internal brushes

## Applications



# Internal brushes, Korfil-E®

## Cylindrical tube brushes



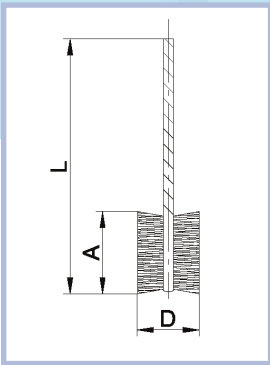
Galvanized double-stem with single spiral. Indispensable brushes for inside cleaning of arbor holes and difficult finishing jobs on non-ferrous metal and hydraulic castings. Suitable especially for deburring cross drillings, steering parts, O-rings and cylindrical boreholes in many other workpieces. 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	<b>9907-035 021</b>	<b>9907-035 023</b>	---	<b>9907-035 181</b>	12
8*	14	54	2,38	<b>9907-035 031</b>	<b>9907-035 032</b>	---	---	12
10*	14	54	2,38	<b>9907-035 041</b>	<b>9907-035 042</b>	<b>9907-035 043</b>	9907-035 189	12
11*	14	54	2,38	<b>9907-035 051</b>	<b>9907-035 052</b>	9907-035 053	---	12
13*	14	54	2,38	<b>9907-035 061</b>	<b>9907-035 062</b>	<b>9907-035 063</b>	<b>9907-035 197</b>	12
14*	16	54	3,18	<b>9907-035 081</b>	<b>9907-035 082</b>	<b>9907-035 083</b>	---	12
16*	16	54	3,18	<b>9907-035 086</b>	<b>9907-035 087</b>	<b>9907-035 088</b>	9907-035 205	12
18*	16	54	3,18	---	<b>9907-035 092</b>	<b>9907-035 093</b>	---	12
19*	16	54	3,18	<b>9907-035 096</b>	<b>9907-035 097</b>	<b>9907-035 098</b>	<b>9907-035 213</b>	12
21*	16	57	3,18	---	9907-035 102	---	---	12
22*	16	57	3,18	---	<b>9907-035 107</b>	---	9907-035 221	12
25*	16	57	3,18	---	<b>9907-035 117</b>	<b>9907-035 118</b>	9907-035 229	12
27*	16	57	3,18	---	9907-035 122	<b>9907-035 123</b>	---	12
29*	16	57	3,18	---	<b>9907-035 127</b>	9907-035 128	---	12
30*	16	57	3,18	---	9907-035 132	<b>9907-035 133</b>	---	12
32*	16	57	3,18	---	<b>9907-035 137</b>	9907-035 138	<b>9907-035 245</b>	12

## Holder

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

## Kit

Contains one each of the following brushes and holders!

Dimensions		Item No.
D mm	Orig. OSBORN steel wire	
<b>Complete</b>		<b>9907-035 000</b>
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.

Holders 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!!!

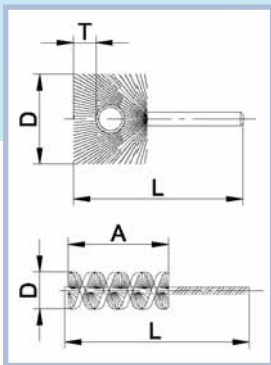
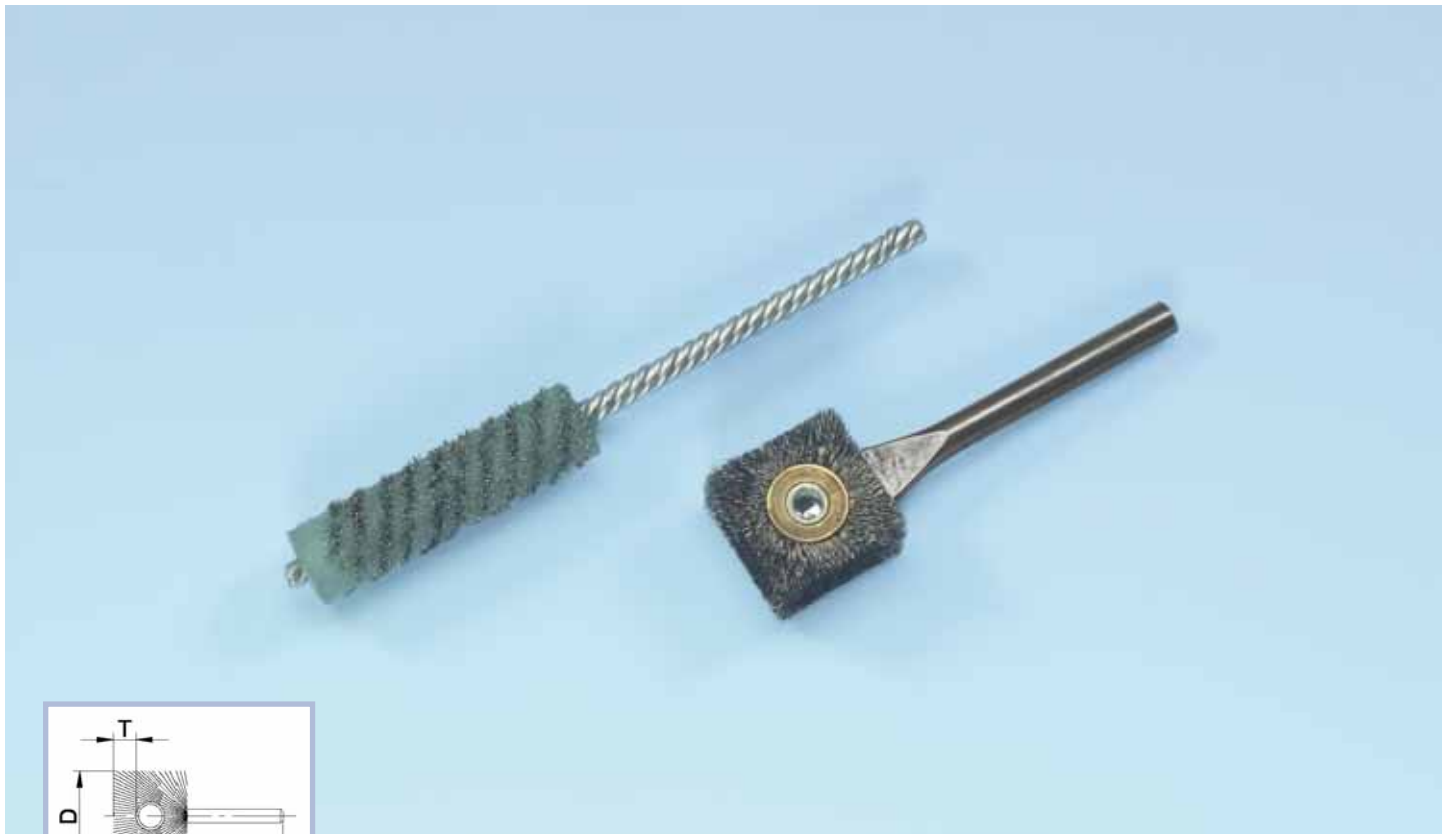
Dimensions			Shank mm	Orig. OSBORN steel wire		Orig. stainl. OSBORN steel wire		Pack. Qty.
D mm	A mm	L mm		0,13 Item No.	0,20 Item No.	0,13 Item No.	0,20 Item No.	
<b>6*</b>	25	89	3,18	<b>9907-036 012</b>	---	<b>9907-036 139</b>	---	12
<b>8*</b>	25	89	3,18	<b>9907-036 017</b>	---	---	---	12
<b>10*</b>	25	89	3,18	<b>9907-036 022</b>	<b>9907-036 023</b>	<b>9907-036 147</b>	<b>9907-036 148</b>	12
<b>11*</b>	25	89	3,18	<b>9907-036 027</b>	---	<b>9907-036 151</b>	---	12
<b>13*</b>	25	89	3,18	<b>9907-036 032</b>	<b>9907-036 033</b>	<b>9907-036 155</b>	<b>9907-036 156</b>	12
<b>14*</b>	25	89	3,18	<b>9907-036 037</b>	---	---	---	12
<b>16*</b>	25	89	3,18	<b>9907-036 042</b>	<b>9907-036 043</b>	<b>9907-036 163</b>	<b>9907-036 164</b>	12
<b>18*</b>	25	89	3,18	<b>9907-036 047</b>	---	---	---	12
<b>19*</b>	25	89	3,18	<b>9907-036 052</b>	<b>9907-036 053</b>	<b>9907-036 171</b>	<b>9907-036 172</b>	12
<b>21*</b>	25	89	3,18	<b>9907-036 057</b>	---	---	---	12
<b>22*</b>	25	89	3,18	<b>9907-036 062</b>	<b>9907-036 063</b>	<b>9907-036 179</b>	---	12
<b>24*</b>	25	89	3,18	<b>9907-036 067</b>	---	---	---	12
<b>25*</b>	25	89	3,18	<b>9907-036 072</b>	<b>9907-036 073</b>	<b>9907-036 187</b>	<b>9907-036 188</b>	12
<b>29*</b>	25	89	3,18	<b>9907-036 082</b>	---	---	---	12
<b>32*</b>	25	89	3,18	---	<b>9907-036 093</b>	---	<b>9907-036 204</b>	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	
<b>Externally threaded, tapered hole</b>		
5	90	<b>9907-075 126</b>
<b>Internally threaded, tapered hole</b>		
6	90	<b>9907-075 127</b>
<b>Kit</b>		
Contains one each of the following brushes and holders!		
Dimensions		Item No.
D mm	Orig. OSBORN steel wire	
<b>Complete</b>		
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	<b>9907-051 110</b>	---	12
16	50	125	5	---	<b>9907-051 111</b>	12
19	63	125	6	---	<b>9907-051 112</b>	12
22	63	125	6	---	<b>9907-051 113</b>	12
25,4	63	125	6	---	<b>9907-051 114</b>	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	<b>9907-011 190</b>	4.500	12
31,8	13	86	6,35	<b>9907-011 198</b>	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  
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 Fax: +49 (0) 64 51 / 5 88-206  
 eMail: desales@osborn.com  
[www.osborn.de](http://www.osborn.de)

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

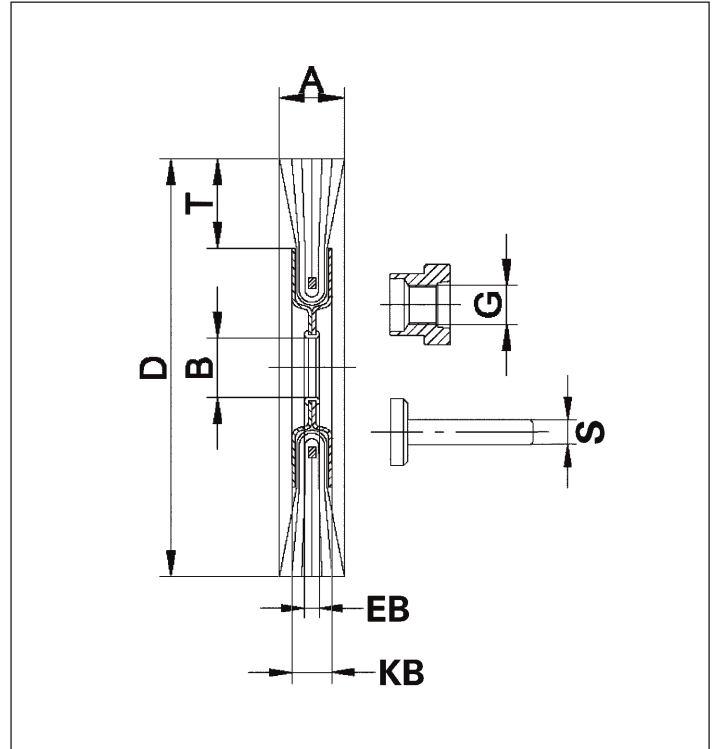
<b>Dimensions</b>	
Outside diameter (D)	mm
Tubing interior diameter (R)	mm
Trimming height/ -lengthens (T)	mm
Working width (A)	mm
Arbor hole (B)/ shank (S)/ thread (G)	mm
Keyway (Yes/ No)	mm
Clamping width (EB)	mm
Core width (KB)	mm

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

<b>Fill materials</b>	
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

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

<b>Specials</b> (special packing/ special marking/ etc.)
---



<b>Notes</b> (sketches/ remarks/ etc.)
---

# Product specification Cup brush



Issued (name / date): \_\_\_\_\_

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

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

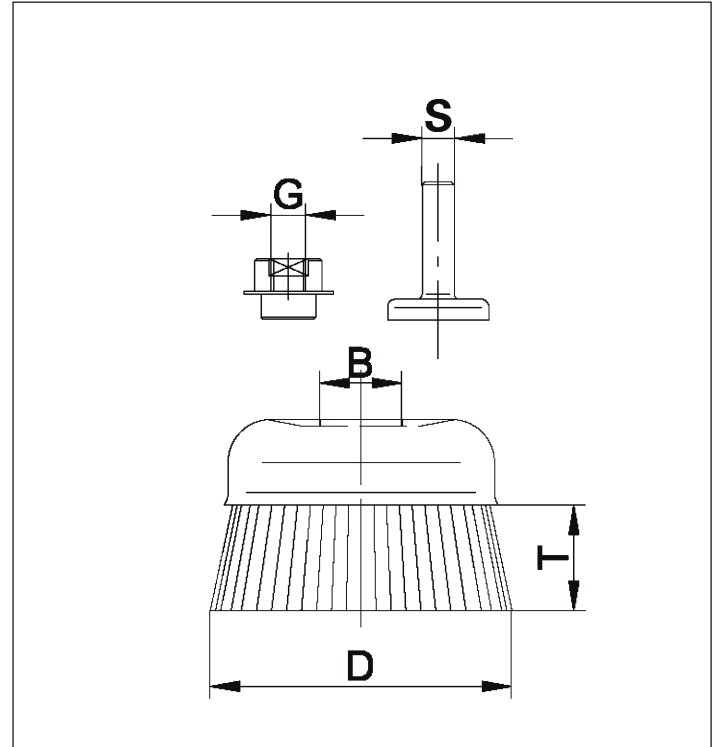
<b>Dimensions</b>	
Outside diameter (D)	mm
Trimming height/ -lengthens (T)	mm
Arbor hole (B)/ shank (S)/ thread (G)	mm
Keyway (Yes/ No)	mm

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

<b>Fill materials</b>	
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

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

<b>Specials</b> (special packing/ special marking/ etc.)
---



<b>Notes</b> (sketches/ remarks/ etc.)
---

# Product specification Internal brush



Issued (name / date): \_\_\_\_\_

Customer / reference
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 eMail: desales@osborn.com  
[www.osborn.de](http://www.osborn.de)

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

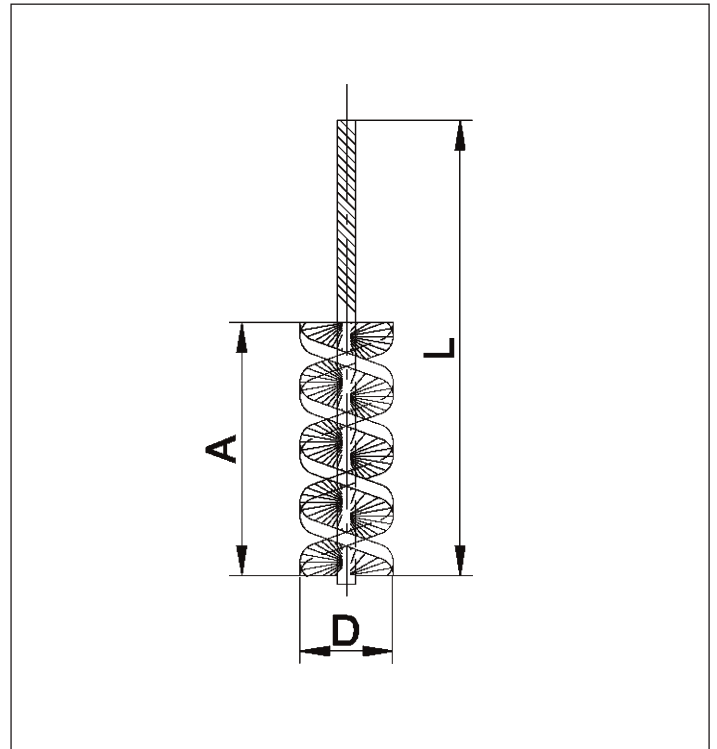
<b>Dimensions</b>	
Diameter (D)	mm
Total length (L)	mm
Trim length (A)	mm

<b>Type</b>			
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"/>

<b>Fill materials</b>			
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	

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

<b>Specials</b> (special packing/ special marking/ etc.)
---



<b>Notes</b> (sketches/ remarks/ etc.)
---

# Product specification End brush



Issued (name / date): \_\_\_\_\_

Customer / reference
----------------------



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 Fax: +49 (0) 64 51 / 5 88-206  
 eMail: desales@osborn.com  
[www.osborn.de](http://www.osborn.de)

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

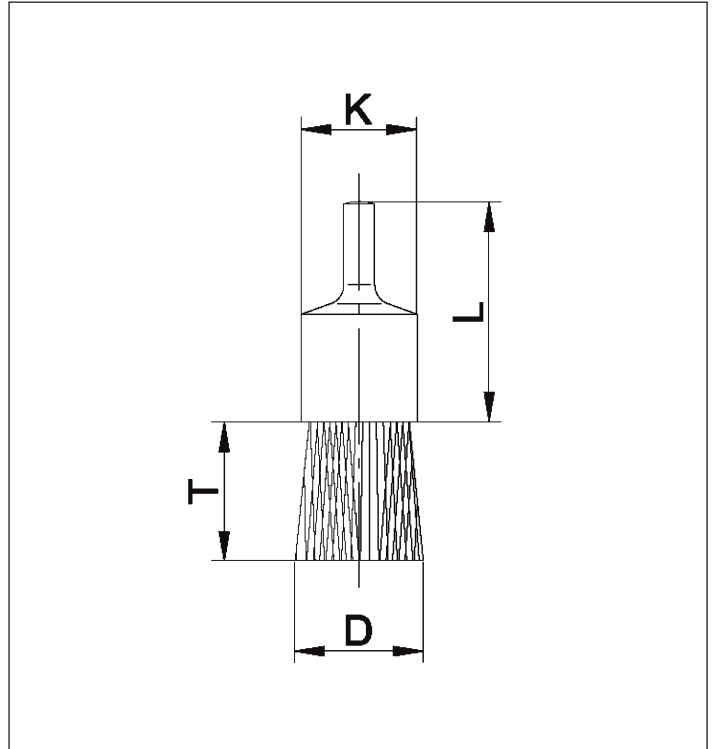
<b>Dimensions</b>	
Outside diameter (D)	mm
Trimming height/ -lengthens (T)	mm
Arbor hole (B)/ shank (S)/ thread (G)	mm
Keyway (Yes/ No)	mm

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

<b>Fill materials</b>	
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

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

<b>Specials</b> (special packing/ special marking/ etc.)
---



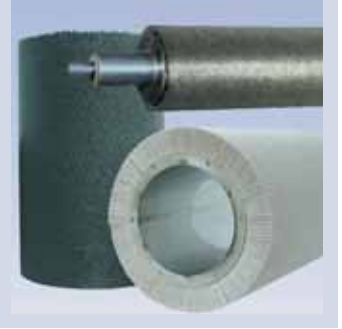
<b>Notes</b> (sketches/ remarks/ etc.)
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# Our further product range

## Special brushes and roller brushes



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



## OSBORN Novofil



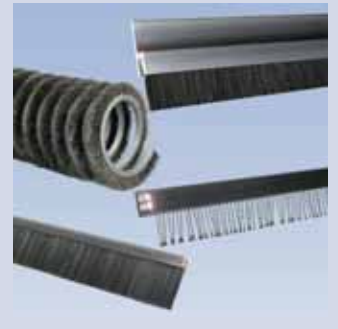
Abrasive nylon brushes in Hi Tec filaments, rectangular and round in Diamond, Zirconium, Aluminium Oxide and Silicon Carbide. Available in a wide range of grit values.



## 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.



# Index, numerical

Item No.	Page	Item No.	Page	Item No.	Page	Item No.	Page
0002-056 011	31	0003-075 069	9	6152-631 131	11	9906-015 069	28
0002-056 012	31	0003-075 070	9	6616-030 305	23	9906-015 070	28
0002-056 013	31	0003-075 071	9	8106-030 312	23	9906-015 071	28
0002-056 014	31	0003-075 072	9	8206-030 305	23	9906-015 079	28
0002-056 015	31	0003-075 073	9	8736-030 305	23	9906-015 080	28
0002-056 016	31	0012-626 251	11	9706-026 904	12	9906-015 081	28
0002-056 017	31	0102-626 655	11	9886-026 039	12	9906-015 082	28
0002-056 018	31	0103-075 019	9	9886-026 051	12	9906-021 002	16
0002-056 311	31	0103-075 020	9	9906-011 032	15	9906-021 009	16
0002-056 312	31	0103-075 021	9	9906-011 146	27	9906-021 013	16
0002-056 313	31	0103-075 022	9	9906-011 147	27	9906-021 055	16
0002-056 314	31	0103-075 023	9	9906-011 148	27	9906-021 059	16
0002-056 315	31	0103-075 024	9	9906-011 149	27	9906-021 163	16
0002-056 316	31	0103-075 025	9	9906-011 150	27	9906-021 183	17
0002-056 317	31	0103-075 026	9	9906-011 151	27	9906-021 184	17
0002-056 318	31	0103-075 027	9	9906-011 153	27	9906-022 032	16
0002-056 331	31	0103-075 028	9	9906-011 154	27	9906-022 051	16
0002-056 332	31	0103-075 046	9	9906-011 155	27	9906-022 052	16
0002-056 333	31	0103-075 047	9	9906-011 332	15	9906-022 055	16
0002-056 334	31	0103-075 048	9	9906-011 446	27	9906-022 061	16
0002-056 335	31	0103-075 049	9	9906-011 447	27	9906-022 062	16
0002-056 336	31	0103-075 050	9	9906-011 448	27	9906-022 065	16
0002-056 337	31	0103-075 051	9	9906-011 449	27	9906-022 066	16
0002-056 338	31	0103-075 052	9	9906-011 450	27	9906-022 072	16
0002-626 251	11	0103-075 210	9	9906-011 451	27	9906-022 075	16
0002-626 301	11	0103-075 212	9	9906-011 453	27	9906-022 081	17
0002-626 305	11	0103-075 213	9	9906-011 454	27	9906-022 082	17
0002-626 309	11	0103-075 215	9	9906-011 455	27	9906-022 085	17
0002-626 311	11	0103-075 216	9	9906-013 007	17	9906-022 086	17
0002-626 315	11	0103-075 217	9	9906-013 008	17	9906-022 088	17
0002-626 319	11	0103-075 220	9	9906-013 009	17	9906-022 191	16
0002-626 505	11	0103-075 225	9	9906-013 010	17	9906-022 193	16
0002-626 509	11	0103-075 230	9	9906-013 011	17	9906-022 195	16
0002-626 650	11	0103-075 232	9	9906-013 020	17	9906-026 001	11
0002-626 651	11	0103-075 235	9	9906-013 021	17	9906-026 002	11
0002-626 656	11	0103-075 240	9	9906-013 022	17	9906-026 010	11
0002-626 659	11	0103-075 306	9	9906-013 023	17	9906-026 011	11
0002-626 660	11	0103-075 310	9	9906-013 056	17	9906-026 012	11
0002-631 131	11	0103-075 312	9	9906-013 057	17	9906-026 039	12
0002-631 151	11	0103-075 313	9	9906-013 058	17	9906-026 045	12
0002-631 331	11	0103-075 315	9	9906-015 001	28	9906-026 047	12
0002-631 351	11	0103-075 316	9	9906-015 002	28	9906-026 048	12
0002-921 874	19	0103-075 320	9	9906-015 003	28	9906-026 051	12
0002-921 875	19	0103-075 325	9	9906-015 004	28	9906-026 052	12
0002-921 876	19	0706-030 305	23	9906-015 025	28	9906-026 053	12
0002-921 889	19	0802-626 251	11	9906-015 026	28	9906-026 115	11
0003-000 201	9	0802-631 131	11	9906-015 027	28	9906-026 116	11
0003-000 211	9	0802-631 151	11	9906-015 028	28	9906-026 117	11
0003-000 212	9	0802-631 331	11	9906-015 035	28	9906-026 127	13
0003-000 221	9	0802-631 351	11	9906-015 036	28	9906-026 133	13
0003-000 222	9	1306-026 279	13	9906-015 037	28	9906-026 166	13
0003-000 223	9	1402-631 131	11	9906-015 038	28	9906-026 167	13
0003-000 242	9	1402-631 151	11	9906-015 040	28	9906-026 171	13
0003-000 243	9	1402-631 331	11	9906-015 041	28	9906-026 172	13
0003-000 244	9	1402-631 331	11	9906-015 042	28	9906-026 182	13
0003-000 245	9	1402-631 351	11	9906-015 043	28	9906-026 183	13
0003-056 010	31	1402-631 351	11	9906-015 050	28	9906-026 185	13
0003-056 306	31	2202-631 151	11	9906-015 051	28	9906-026 198	13
0003-056 308	31	2202-631 331	11	9906-015 052	28	9906-026 218	11
0003-056 310	31	2202-631 351	11	9906-015 053	28	9906-026 236	13
0003-056 326	31	2906-026 501	11	9906-015 056	28	9906-026 245	13
0003-056 328	31	4506-030 305	23	9906-015 057	28	9906-026 246	12
0003-056 330	31	4506-030 311	23	9906-015 058	28	9906-026 247	12
0003-075 064	9	4506-030 317	23	9906-015 059	28	9906-026 249	12
0003-075 065	9	4506-030 318	23	9906-015 062	28	9906-026 276	13
0003-075 066	9	4506-030 328	23	9906-015 063	28	9906-026 279	13
0003-075 067	9	4506-030 329	23	9906-015 064	28	9906-026 280	11
0003-075 068	9	4506-030 341	23	9906-015 065	28	9906-026 281	11

Item No.	Page	Item No.	Page	Item No.	Page	Item No.	Page
9906-026 355	11	9907-011 034	15	9907-028 010	29	9907-035 213	32
9906-026 356	11	9907-011 045	15	9907-028 011	29	9907-035 221	32
9906-026 359	11	9907-011 046	15	9907-028 012	29	9907-035 229	32
9906-026 365	11	9907-011 048	15	9907-030 145	25	9907-035 245	32
9906-026 366	11	9907-011 058	15	9907-030 148	25	9907-036 000	33
9906-026 369	11	9907-011 060	15	9907-030 151	25	9907-036 012	33
9906-026 500	12	9907-011 061	15	9907-030 154	25	9907-036 017	33
9906-026 501	12	9907-011 062	15	9907-030 157	25	9907-036 022	33
9906-026 551	12	9907-011 063	15	9907-030 190	25	9907-036 023	33
9906-026 552	12	9907-011 078	15	9907-030 193	25	9907-036 027	33
9906-026 553	12	9907-011 086	15	9907-030 196	25	9907-036 032	33
9906-026 629	12	9907-011 088	15	9907-030 199	25	9907-036 033	33
9906-026 904	12	9907-011 094	15	9907-030 235	25	9907-036 037	33
9906-030 302	23	9907-011 095	15	9907-030 700	24	9907-036 042	33
9906-030 304	23	9907-011 097	15	9907-030 702	24	9907-036 043	33
9906-030 305	23	9907-011 190	34	9907-030 704	24	9907-036 047	33
9906-030 308	23	9907-011 198	34	9907-030 705	24	9907-036 052	33
9906-030 310	23	9907-011 202	34	9907-030 707	24	9907-036 053	33
9906-030 311	23	9907-011 309	15	9907-030 709	24	9907-036 057	33
9906-030 312	23	9907-011 310	15	9907-030 710	24	9907-036 062	33
9906-030 314	23	9907-011 311	15	9907-030 712	24	9907-036 063	33
9906-030 316	23	9907-011 316	15	9907-030 714	24	9907-036 067	33
9906-030 317	23	9907-011 317	15	9907-030 755	24	9907-036 072	33
9906-030 318	23	9907-011 318	15	9907-030 756	24	9907-036 073	33
9906-030 326	23	9907-011 319	15	9907-030 759	24	9907-036 082	33
9906-030 328	23	9907-011 331	15	9907-030 760	24	9907-036 093	33
9906-030 329	23	9907-011 334	15	9907-030 768	24	9907-036 139	33
9906-030 332	23	9907-011 346	15	9907-035 000	32	9907-036 147	33
9906-030 334	23	9907-011 348	15	9907-035 021	32	9907-036 148	33
9906-030 335	23	9907-011 361	15	9907-035 023	32	9907-036 151	33
9906-030 338	23	9907-011 362	15	9907-035 031	32	9907-036 155	33
9906-030 340	23	9907-011 363	15	9907-035 032	32	9907-036 156	33
9906-030 341	23	9907-011 623	18	9907-035 041	32	9907-036 163	33
9906-030 351	24	9907-011 624	18	9907-035 042	32	9907-036 164	33
9906-030 353	24	9907-011 625	18	9907-035 043	32	9907-036 171	33
9906-030 357	24	9907-011 631	18	9907-035 051	32	9907-036 172	33
9906-030 359	24	9907-011 632	18	9907-035 052	32	9907-036 179	33
9906-030 361	24	9907-011 634	18	9907-035 053	32	9907-036 187	33
9906-030 363	24	9907-011 641	18	9907-035 061	32	9907-036 188	33
9906-030 365	24	9907-011 650	18	9907-035 062	32	9907-036 204	33
9906-030 367	24	9907-011 651	18	9907-035 063	32	9907-051 110	34
9906-030 488	29	9907-011 679	17	9907-035 081	32	9907-051 111	34
9906-030 489	29	9907-011 682	17	9907-035 082	32	9907-051 112	34
9906-030 490	29	9907-011 685	17	9907-035 083	32	9907-051 113	34
9906-030 492	29	9907-011 723	18	9907-035 086	32	9907-051 114	34
9906-030 493	29	9907-011 724	18	9907-035 087	32	9907-075 013	25
9906-030 494	29	9907-011 725	18	9907-035 088	32	9907-075 015	25
9906-030 496	29	9907-011 731	18	9907-035 092	32	9907-075 126	33
9906-030 497	29	9907-011 732	18	9907-035 093	32	9907-075 127	33
9906-030 498	29	9907-011 734	18	9907-035 096	32	9907-075 128	9
9906-030 500	29	9907-011 741	18	9907-035 097	32	9907-075 129	9
9906-030 501	29	9907-011 750	18	9907-035 098	32	9907-075 130	9
9906-030 502	29	9907-011 751	18	9907-035 102	32	9907-075 131	32
9906-033 016	21	9907-021 503	19	9907-035 107	32	9907-075 132	32
9906-033 021	21	9907-021 504	19	9907-035 117	32	9946-015 056	28
9906-033 022	21	9907-021 506	19	9907-035 118	32	9946-015 057	28
9906-033 030	21	9907-021 508	19	9907-035 122	32	9946-015 058	28
9906-033 031	21	9907-021 509	19	9907-035 123	32	9946-015 059	28
9906-033 125	21	9907-021 512	19	9907-035 127	32	9966-015 062	28
9906-033 126	21	9907-021 528	19	9907-035 128	32	9966-015 063	28
9907-011 009	15	9907-021 594	19	9907-035 132	32	9966-015 064	28
9907-011 010	15	9907-021 595	19	9907-035 133	32	9966-015 065	28
9907-011 011	15	9907-022 704	19	9907-035 137	32		
9907-011 016	15	9907-022 773	19	9907-035 138	32		
9907-011 017	15	9907-022 774	19	9907-035 181	32		
9907-011 018	15	9907-022 783	19	9907-035 189	32		
9907-011 019	15	9907-022 794	19	9907-035 197	32		
9907-011 031	15	9907-026 099	13	9907-035 205	32		

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