



Finish. First.



ATB[®] - Advanced Technology Brush System
Efficient deburring with brushes

ATB®

Introduction

Extremely long life

- Lower cost per piece for the deburring process
- High process stability
- Reduced set-up costs and down times

Flexible long life

- Dimensionally stable, also with longer trim lengths and high rotational speeds

High-tech filaments

- High density of abrasive grit for powerful deburring
- Can be used with coolants

Extremely high fill density with even surface

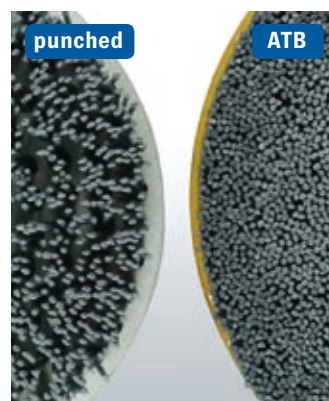
Shorter operating times and very even edge blending. Particularly suitable for deburring of:

- machined surfaces
- sintered products
- stampings and mouldings
- diecasted parts
- cylinder heads
- motor units
- hydraulic parts
- pneumatic parts



of different geometries and materials.

The fill density of the new ATB disc brushes is 4 times higher than of other disc brushes manufactured conventionally as punched brushes! By this the brush life is increased many times over, with quicker processing times and better and more efficient deburring results. At the same time the wear behaviour is controllable. This is a necessary precondition for wear compensation "adjustment" on modern CNC-machines and machining centers.



On request stabilization of the fill material is possible through a supporting sleeve.

ATB brush with maximum fill density compatible with clamping fixture

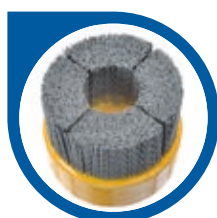


For deburring applications of components with various materials just as e.g. steel, aluminum and cast iron.

mm		INDEX		à	grit 80	grit 120
Total Ø	Trim length T	Bore diameter	for clamping fixture		Order-No.	Order-No.
50	35	16 Hexagonal	K = fixture with shank	1	6701-604 912	5411-604 912
76	35	16 Hexagonal	L = fixture with shank	1	3111-604 913	9841-604 913
85	35	16 Hexagonal	J = fixture with shank	1	6201-604 914	1601-604 914
106	35	16 Hexagonal	H = fixture with shank	1	3101-604 914	3221-604 914

mm		INDEX		à	grit 180	grit 320
Total Ø	Trim length T	Bore diameter	for clamping fixture		Order-No.	Order-No.
50	35	16 Hexagonal	K = fixture with shank	1	5431-604 912	5441-604 912
76	35	16 Hexagonal	L = fixture with shank	1	3311-604 913	3151-604 913
85	35	16 Hexagonal	J = fixture with shank	1	2211-604 914	6231-604 914
106	35	16 Hexagonal	H = fixture with shank	1	3321-604 914	3401-604 914

Price on request.



ATB brush with max. fill density for tool holders



For deburring applications of sealing and contact surfaces as well as functional areas for a wide range of components. Use on stationary machines with cooling lubricant, water or oil is recommended.

mm		INDEX			grit 80	grit 120
Total Ø	Trim length T	Bore diameter	for clamping fixture	pcs.	Order-No.	Order-No.
125	40	18 + Driv.hole	C = fixture for HSK/SK	1	3101-604 916	3201-604 916
150	40	18 + Driv.hole	D = fixture for HSK/SK	1	3111-604 916	3211-604 916
175	40	18 + Driv.hole	E = fixture for HSK/SK	1	3131-604 916	3231-604 916
200	40	18 + Driv.hole	F = fixture for HSK/SK	1	8411-604 918	4021-604 918
250	38	18 + Driv.hole	G = fixture for HSK/SK	1	6511-604 919	6171-604 916

mm		INDEX			grit 180	grit 320
Total Ø	Trim length T	Bore diameter	for clamping fixture	pcs.	Order-No.	Order-No.
125	40	18 + Driv.hole	C = fixture for HSK/SK	1	3311-604 916	3401-604 916
150	40	18 + Driv.hole	D = fixture for HSK/SK	1	4341-604 916	3411-604 916
175	40	18 + Driv.hole	E = fixture for HSK/SK	1	3341-604 916	3431-604 916
200	40	18 + Driv.hole	F = fixture for HSK/SK	1	5901-604 918	
250	38	18 + Driv.hole	G = fixture for HSK/SK	1	2401-604 919	

Price on request.



Clamping fixture for ATB brushes



ATB brush with fixed clamping fixture.

For ATB brushes with diameter:

		INDEX K Ø 50 mm	INDEX L Ø 76 mm	INDEX J Ø 85 mm	INDEX H Ø 106 mm
clamping fixture	pcs.	Order-No.	Order-No.	Order-No.	Order-No.
with shank Ø 12 mm and clamping DIN 6535 HB	1	5002-075 000	3642-075 000	9602-075 000	3652-075 000

		INDEX C Ø 125 mm	INDEX D Ø 150 mm	INDEX E Ø 175 mm	INDEX F Ø 200 mm	INDEX G Ø 250 mm
clamping fixture	pcs.	Order-No.	Order-No.	Order-No.	Order-No.	Order-No.
for inclusion on clamping cones HSK/SK	1	3602-075 000	3612-075 000	3622-075 000	3692-075 000	1922-075 000

Price on request.

Tool holder



ATB-brush with assembled HSK-cone.

Tool Holders	for INDEX	pcs.	Order-No.
HSK – A63, DIN 69893A	C, D, E, F, G	1	3603-604 000
HSK – A100, DIN 69893A	C, D, E, F, G	1	3633-604 000
SK – 40, DIN 69871	C, D, E, F, G	1	3613-604 000
Weldon surface with shank Ø 12 mm, HSK – 63 DIN 69893A	H, J, K, L	1	4933-604 000
Weldon surface with shank Ø 12 mm, HSK – 100 DIN 69893A	H, J, K, L	1	6303-604 000

Price on request.



Items available immediately from stock are printed in bold type. Please contact us for other sizes/materials: service@osborn.de

ATB brush with max. fill density for shell mill mount



For deburring applications of sealing and contact surfaces as well as functional areas for a wide range of components. Use on stationary machines with cooling lubricant, water or oil is recommended. For direct mounting on shell mill holders without need of additional clamping sets / systems.

mm			INDEX		grit 80	grit 120
Brush Ø	Trim length T	Bore diameter	for fixture	pcs.	Order-No.	Order-No.
50	35	Ø 16 +keyways	Direct to shell mill holder	1	6601-604 912	6501-604 912
76	35	Ø 16 +keyways	Direct to shell mill holder	1	6301-604 913	6311-604 913
76	35	Ø 22 +keyways	Direct to shell mill holder	1	5521-604 913	5511-604 913
106	35	Ø 16 +keyways	Direct to shell mill holder	1	5431-604 914	5511-604 914
106	35	Ø 22 +keyways	Direct to shell mill holder	1	5501-604 914	5791-604 914
106	35	Ø 27 +keyways	Direct to shell mill holder	1	5601-604 914	5611-604 914
125	35	Ø 16 +keyways	Direct to shell mill holder	1	6751-604 916	6801-604 916
125	35	Ø 22 +keyways	Direct to shell mill holder	1	6721-604 916	6821-604 916
125	35	Ø 27 +keyways	Direct to shell mill holder	1	6761-604 916	6811-604 916
150	35	Ø 22 +keyways	Direct to shell mill holder	1	6771-604 916	6841-604 916
150	35	Ø 27 +keyways	Direct to shell mill holder	1	6781-604 916	6831-604 916

mm			INDEX		grit 180
Brush Ø	Trim length T	Bore diameter	for fixture	pcs.	Order-No.
50	35	Ø 16 +keyways	Direct to shell mill holder	1	6401-604 912
76	35	Ø 16 +keyways	Direct to shell mill holder	1	6321-604 913
76	35	Ø 22 +keyways	Direct to shell mill holder	1	5501-604 913
106	35	Ø 16 +keyways	Direct to shell mill holder	1	5441-604 914
106	35	Ø 22 +keyways	Direct to shell mill holder	1	5521-604 914
106	35	Ø 27 +keyways	Direct to shell mill holder	1	5621-604 914
125	35	Ø 16 +keyways	Direct to shell mill holder	1	6631-604 916
125	35	Ø 22 +keyways	Direct to shell mill holder	1	6621-604 916
125	35	Ø 27 +keyways	Direct to shell mill holder	1	6641-604 916
150	35	Ø 22 +keyways	Direct to shell mill holder	1	6651-604 916
150	35	Ø 27 +keyways	Direct to shell mill holder	1	6661-604 916

Price on request.

ATB brush TURBO-Line



Brushes for continuous deburring lines with planetary heads. Application: flat parts produced and deburred in punching, lasered, fine blanking or forming technology.

The Turbo-style sections of filaments can be angled to the right or to the left in a defined angle. Depending on the direction of rotation, the deburring will be more aggressive and effective or the brush is reaching a surface finish only.

mm			INDEX		grit 80	grit 120
Brush Ø	Trim length T	Bore diameter	material direction	pcs.	Order-No.	Order-No.
150	25	Ø 25/35 + 2 driv.holes	Turbo style-neutral	1	3141-604 916	3241-604 916
150	25	Ø 25/35 + 2 driv.holes	Turbo style-right	1	3181-604 916	3281-604 916
150	25	Ø 25/35 + 2 driv.holes	Turbo style-left	1	3161-604 916	3261-604 916

mm			INDEX		grit 180	grit 320
Brush Ø	Trim length T	Bore diameter	material direction	pcs.	Order-No.	Order-No.
150	25	Ø 25/35 + 2 driv.holes	Turbo style-neutral	1	3351-604 916	3441-604 916
150	25	Ø 25/35 + 2 driv.holes	Turbo style-right	1	3391-604 916	3481-604 916
150	25	Ø 25/35 + 2 driv.holes	Turbo style-left	1	3371-604 916	3461-604 916

Price on request.



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