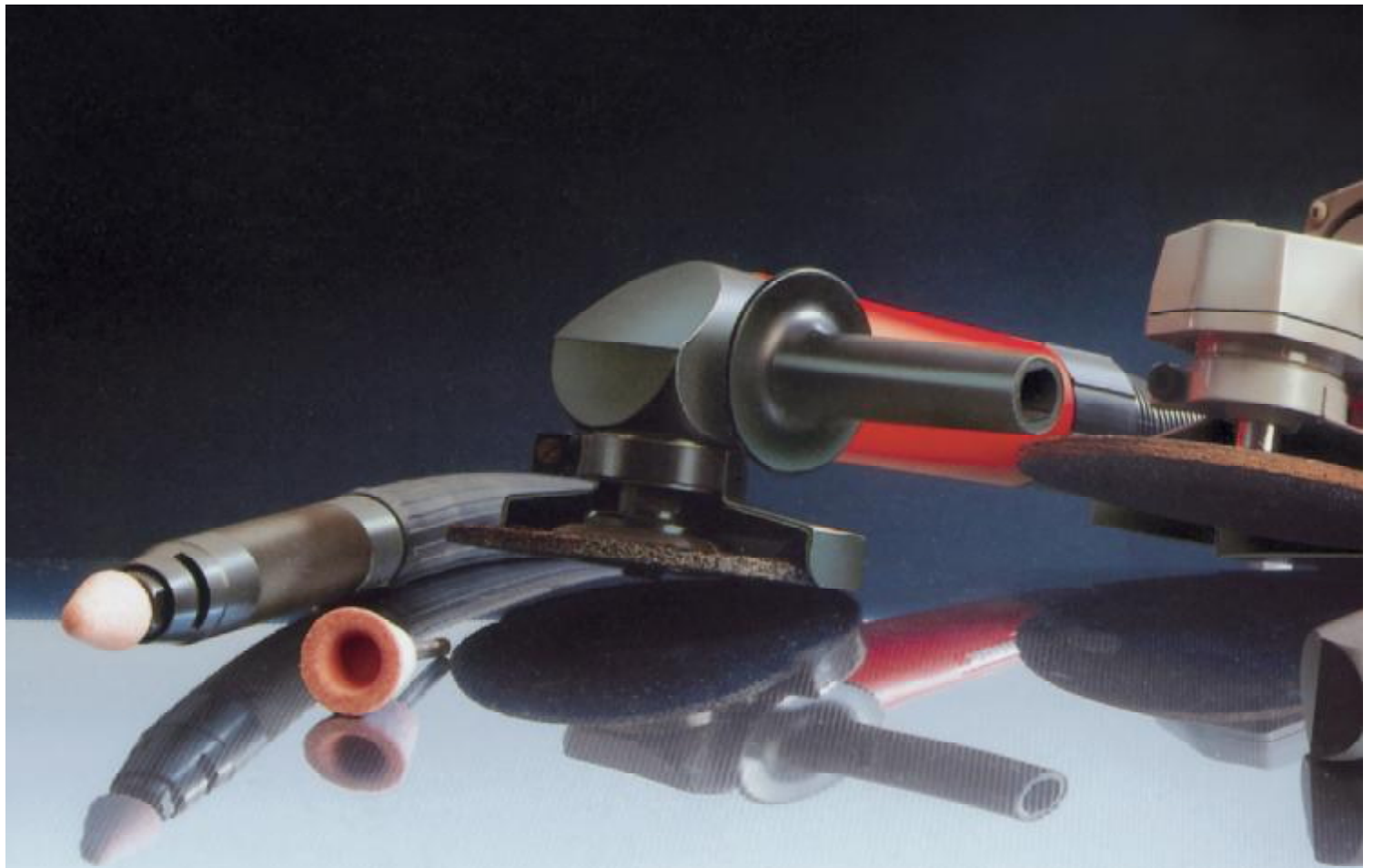




Abrasive expert.

SUHNER





SUHNER has been designing, developing, and manufacturing Abrasive Power Tools for materials surface conditioning since 1914.

Future oriented research and development, high quality standards and intensive exchange of ideas with users have brought us to individual problem solving solutions for industry.

SUHNER, with over 700 committed employees, plants in several countries, and a worldwide distribution system, ranks among the leading manufacturers in various areas of production technology.

Innovative marketing concepts derived from daily practical experience, supported and optimized by engineering, assure that **SUHNER** products stand up to daily industrial use, and that **SUHNER** know-how is always up to date.



Brugg (AG), Switzerland



Bad Säckingen, Germany



Rome, Georgia, USA

SUHNER.

SUHNER.

SUHNER HOLDING AG, CH-5201 BRUGG AG, Schweiz
Executive board

Dear valued customer,

Our company enjoys significant success in the area of industrial materials conditioning.

We would like to present to you our new and extremely attractive abrasive program. These abrasives are made to our specifications with materials designed and developed in conjunction with the world's leading manufacturers of abrasives. Always, quality and performance are our utmost goal. May we introduce to you our range of state-of-the-art, non-woven nylon abrasives which are suitable for surface cleaning to a mirror-finish quality.

For optimum results, we offer a variety of power drive units. Our selection of Electric, Air, and Flexible shaft driven Grinders/Polishers meets most any requirement. We offer motors from 75 Watts (0.1 HP) to 3,200 Watts (4.3 HP) and speeds from 150 rpm to 80,000 rpm..

First and foremost for us, marketing means application oriented problem solving, intensive customer service, an on site demonstration concept, and an international exchange of ideas and experience. Please put us to the test. Our «Abrasive Expert» would appreciate the opportunity to personally demonstrate our advice and experience in this area.

We look forward to hearing from you.



Sincerely,
SUHNER HOLDING AG
O. Suhner
Otto H. Suhner
Dipl. Ing. ETH

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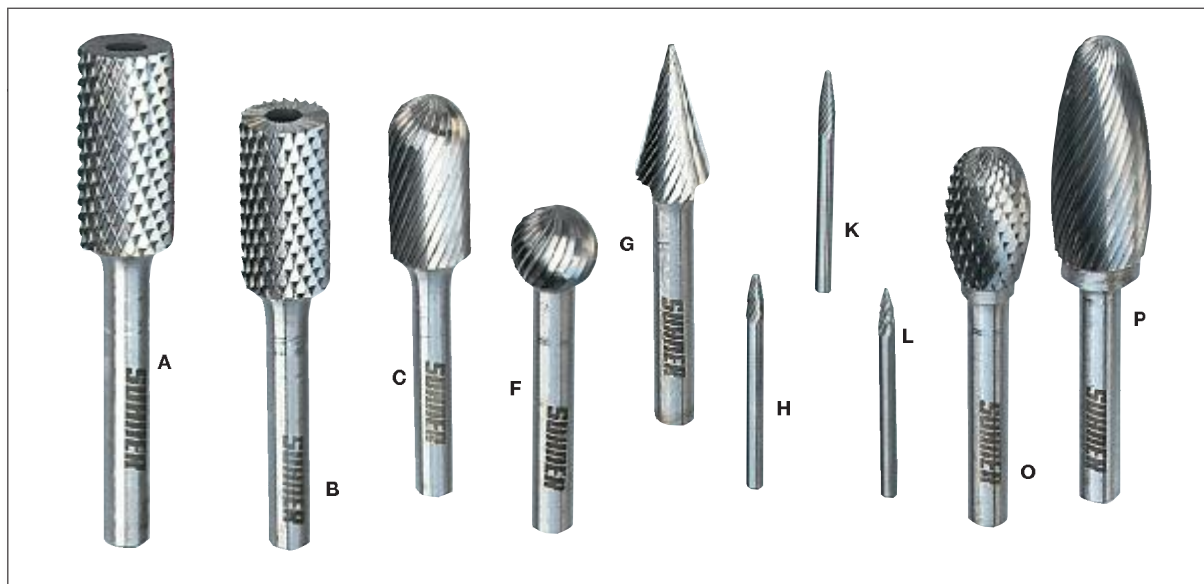
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Subject to changes and amendments.

Carbide Burrs: Long life, high quality



- Extremely high cutting rate and long life, can be reground repeatedly.
- Professional chip removal and excellent finish with the special standard cross N cut or NK double-cut diamond tooth pattern.
- Smooth running, especially with **SUHNER** drive tools running with precision bearings.

Carbide burrs with 6 mm shaft Type	A 0620	A 0620	A 1225	B 0620	B 0620	B 1225	C 0620	C 0620	C 1020	C1225
Ø x Length mm	6 x 20	8 x 20	12 x 25	6 x 20	8 x 20	12 x 25	6 x 20	8 x 20	10 x 20	12 x 25
Shaft-Ø mm	6	6	6	6	6	6	6	6	6	6
Weight gr.	42	46	65	42	46	65	41	44	53	50
Recommended speed rpm	40 000	25 000	20 000	40 000	25 000	20 000	40 000	25 000	25 000	20 000
Order Nr. cut N	903 028	903 031	905 154	903 044	—	905 156	903 061	903 065	903 069	905 160
Order Nr. cut NK	903 030	903 033	905 155	903 273	903 688	905 157	903 063	903 067	903 071	905 161

Carbide burrs with 6 mm shaft Type	F 0505	F 1010	F 1212	G 0615	G 1020	O 0610	O 1220	P 0620	P 1130	P 1432
Ø x Length mm	5 x 5	10 x 10	12 x 12	6 x 15	10 x 20	6 x 10	12 x 20	6 x 20	11 x 30	14 x 32
Shaft-Ø mm	6	6	6	6	6	6	6	6	6	6
Weight gr.	41	39	44	39	43	40	50	20	40	60
Recommended speed rpm	40 000	25 000	10 000	40 000	25 000	40 000	20 000	40 000	20 000	10 000
Order Nr. cut N	903 080	903 086	903 089	903 101	903 104	—	—	—	905 174	—
Order Nr. cut NK	903 689	903 691	903 692	903 696	903 147	903 157	903 164	903 174	905 175	905 177

Hartmetallfräser mit 3-mm-Schaft Type	A 0214	A 0314	C 0315	F 0404	G 0316	H 0307	K 0307	L 0310	O 0306	P 0310
Ø x Length mm	2 x 14	3 x 14	3 x 15	4 x 4	3 x 16	3 x 7	3 x 7	3 x 10	3 x 6	3 x 10
Shaft-Ø mm	3	3	3	3	3	3	3	3	3	3
Empf. min ⁻¹	80 000	80 000	80 000	80 000	80 000	80 000	80 000	80 000	80 000	80 000
Order Nr. cut N	905 150	905 152	905 158	905 162	905 164	905 166	905 182	905 180	905 178	905 172
Order Nr. cut NK	905 151	905 153	905 159	905 163	905 165	905 167	905 183	905 181	905 179	905 173

Burrs



N

Cast iron, weld seams, high tensile hardened and free cutting steels.



NK

Diamond cut results in small shavings. For alloy steels and reinforced plastics.

Burrs	Recommended drive units					
	Electric Grinders	Page	Air Grinders	Page	Flex. Shaft Grinders	Page
With 6 mm shaft	USC 25-R USC 9-R USG 33-R	19 19 19	LSB 44, LWB 20, LSB 20 LSC 23, LLC 23, LSG 20 LLH 20	21 22 23	MINIFIX, ROTASET, ROTOSTAR ROTOFIX, ROTOFERA, ROTOMAX	24-25 26-29
With 3 mm shaft			LSA 80, LSA 81, LWA 80 LSB 70	20 21		

Grinding – and Cutting Wheels: In proven quality



Magic Disc

- High-performance grinding wheels: unequalled stock removal and long service life on all materials, in particular on aluminum.
- Only little dust, noise and heat generation, excellent grinding pattern
- Flexible grinding wheel, 3 mm (black): pleasant handling, available in three grain sizes: grinding and polishing in a single action. Use with backup pad.

SUN-disc M

- General purpose wheels for a wide variety of grinding and cutting applications in steel and stainless steel fabrication.
- Cutting wheels: Extremely high cutting rate, due to 2 mm thickness, Type 1-flat, (reduces operating time).
- High efficiency due to optimum ratio of cutting rate/life.

Turbo-disc

- Cutting disc with reduced drag.
- Less material loss due to thin cut.
- Reduced heat development.
- Less slag.
- Reduced odor.
- Fast cut.
- Consistent cutting guidance.

Grinding wheels	Order Nr.	Ø x Thickness x Bore	Max. rpm		Application					
					Cast iron	Non-fer. metal	Steel	Stainless Steel	Weld beads	Aluminum
Type		mm								Stone
Magic Disc 125-6	908 613	125 x 6 x 22	12200	10	x	x	x	x	x	x
Magic Disc 150-6	908 714	150 x 6 x 22	10200	10	x	x	x	x	x	x
Magic Disc 178-6	908 945	178 x 6 x 22	8600	10	x	x	x	x	x	x
Magic Disc 125-3 K 36	908 610	125 x 3 x 22	12200	15+*	x	x	x	x	x	x
Magic Disc 125-3 K 60	908 611	125 x 3 x 22	12200	15+*	x	x	x	x	x	x
Magic Disc 125-3 K 80	908 612	125 x 3 x 22	12200	15+*	x	x	x	x	x	x
*Back-up Pad	908 700									
SUN-disc M 115-6	906 304	115 x 6 x 22	13300	10	x		x	x	x	
SUN-disc M 125-6	906 305	125 x 6 x 22	12200	10	x		x	x	x	
SUN-disc M 178-6	906 306	178 x 6 x 22	8600	10	x		x	x	x	
SUN-disc M 230-6	906 307	230 x 6 x 22	6600	10	x		x	x	x	

Cutting wheels										
SUN-disc M 115-2	903 491	115 x 2 x 22	13300	25	x		x	x		
SUN-disc M 125-2	907 251	125 x 2 x 22	12200	25	x		x	x		
SUN-disc M 178-2	907 249	178 x 2 x 22	8600	25	x		x	x		
SUN-disc M 230-2	907 250	230 x 2 x 22	6600	25	x		x	x		
Turbo-disc 50-1	908 074	50 x 1 x 6	30000	50	x	x	x	x		x
Turbo-disc 75-1	908 078	75 x 1 x 10	20200	50	x	x	x	x		x
Turbo-disc 115-1	908 075	115 x 1 x 22	13300	25	x	x	x	x		x
Turbo-disc 125-1	908 076	125 x 1 x 22	12200	25	x	x	x	x		x
Turbo-disc 150-1,6	909 648	150 x 1,6 x 22	10200	25	x	x	x	x		x
Turbo-disc 178-1,6	908 440	178 x 1,6 x 22	8600	25	x	x	x	x		x

Wheels	Recommended drive units					
	Electric Grinders	Page	Air Grinders	Page	Flex. Shaft Grinders	Page
Ø 115	UWK 10-R	18	LWG 12, LWH 12, LLH 12	22, 23	ROTOSET	24-25
Ø 125	UWK 10-R 125	18	LWG 12, LWH 12, LLH 12	22, 23	ROTOSTAR, ROTOFERA, ROTOMAX	24-29
Ø 150	UWK 10-R 150	18	LWH 9	23	ROTOSTAR, ROTOFERA, ROTOMAX	24-29
Ø 178	UWM 8	18	LWH 6	23	ROTOSTAR, ROTOFERA, ROTAR	24-27
Ø 230	UWM 6	18	LWH 6	23	ROTAR, ROTOMAX	26-29

Superflex® Flap discs

Cool cutting due to ventilation principle



LFS/LFT Superflex and LFS Superflex Nylon

- Cool working: extra-thick for maximum ventilation.
- High-quality zircon abrasive: no clogging, coating or vitrification.
- Low wear: 10 to 12 times the service life of conventional fiber discs.
- Good tool handling and non-tiring work even when processing large surfaces.
- For Inox, steel and aluminum.
- Available with both fiber and nylon backing.

LFS-F: Flexible flap disc, concave

- For soft and cool cutting with Angle Grinders.
- Better finish especially on uneven surfaces.
- Easy to use on profiles, edges and angles, where conventional discs can't do the job.
- Longer service life over conventional fiber discs.

Flap discs	Grit and Order No.			Disc-∅	Bore ∅	Max. speed	
	40	60	80				
LFS 115 Superflex Nylon	909 565	909 566	909 567	115	22,2	13 300	10
LFS 125 Superflex Nylon	909 568	909 569	909 570	125	22,2	12 200	10
LFT 115 Superflex	909 555	909 556	909 557	115	22,2	13 300	10
LFT 125 Superflex	909 561	909 562	909 563	125	22,2	12 200	10
LFS 115 Superflex	909 552	909 553	909 554	115	22,2	13 300	10
LFS 125 Superflex	909 558	909 559	909 560	125	22,2	12 200	10
LFS-F 115 VA Flexidisc	908 980	908 981	908 982	115	22,2	13 300	10

Discs	Recommended drive units					
	Electric Grinders		Air Grinders		Flex. Shaft Grinders	
∅ 115	UWG 10-R, UWC 10	18	LWG 12, LWH 12	22, 23	ROTOSTAR, ROTOFERA, ROTOMAX	24-29
∅ 125	UWG 10-R, UWK 10-R	18	LWG 12, LWH 12	22, 23	ROTOSTAR, ROTOFERA, ROTOMAX	24-29



Cleaning discs for removal of paint, discolorations, rust, etc.



FVOT

FVOT cleaning discs consist of synthetic fiber, grit, and resin. Specially for fast and constant cleaning of stainless steel without removing material. Also suitable to remove rust, surface contaminants and coatings, stripping paint. To clean weld seams. Direct mounting to angle grinders due to intergrated backing, no additional backing pad required.

FVOW

Cleaning roller consists of synthetic fiber, grit and resin. Fast and consistent cleaning on stainless steel.

FVOK

FVOK cleaning discs with shaft consist of synthetic fiber, grit, and resin. Ideally suited for stainless steel, fast and constant cleaning, cleaning of metallic surfaces without material removal. Safer than wire brushes. Especially suitable for cleaning of weld seams, removal of scale and discolorations. Stripping paint from metal surfaces, removing coatings, rust, etc. General plant maintenance.

FVOS/FVOS-K

Cleaning disc for use with Mandrel FD. Ideal on stainless steel, fast cleaning of surface without material removal. Especially suitable for cleaning of weld seams, removal/cleaning of discolorations. Removal of scale, stripping paint, coatings etc. FVOS-K for hook-and-loop mounting.

FD

Mandrel for FVOS allows joining of up to 2 discs.

Cleaning discs	Order Nr.	Ø x Length	Ø x Width x Bore	Shaft-Ø	Suitable mounting	Order Nr.	Max. speed	Weight	
Type		mm	mm	mm			rpm	kg	
FVOT 115	903 468		115 x 13 x 22,2				10 000	0,070	5
FVOW 105/100	907 895	105 x 100	105 x 100 x 19,1				5 700	0,552	1
FVOK 76/13	907 055	76 x 13		6			8 000	0,030	5
FVOK 76/26	907 056	76 x 26		6			8 000	0,060	5
FVOK 100/13	907 057	100 x 13		6			6 000	0,040	5
FVOK 100/26	907 058	100 x 26		6			6 000	0,080	5
FVOK 150/13	907 059	150 x 13		8			4 000	0,060	5
FVOK 150/26	907 060	150 x 26		8			4 000	0,120	5
FVOS 100/13	903 462		100 x 13 x 14		FD 6-14 (Shaft 6 mm)	904 705	6 000	0,070	5
FVOS 150/13	903 463		150 x 13 x 14		FD 6-14 (Shaft 6 mm)	904 705	4 000	0,078	5
FVOS 200/13	903 362		200 x 13 x 14		FD 8-14 (Shaft 8 mm)	904 706	3 000	0,120	2
FVOS 115-K	908 018	115 x 13			FSS 110-K/M14	907 500	7 500	0,080	5

Cleaning discs	Recommended drive units					
	Electric Grinders	Page	Air Grinders	Page	Flex. Shaft Grinders	Page
FVOT	UWK 10-R, UWG 10-R	18	LWH 6, LWH 9	23	ROTOSET, ROTOSTAR, ROTOMAX	24-29
FVOW	UPK 4-R	18	-	-	ROTOFERA, ROTAR, ROTOMAX	26-29
FVOK	USC 9-R, USK 6-R	19	LLC 4, LLH 7	22-23	ROTOFERA, ROTOMAX	26-29
FVOS/FVOS-K	USC 9-R, USK 6-R	19	LLC 4, LLH 7	22-23	ROTAR, ROTOMAX	26-29



Flap wheels

Soft and pliable



FSW flap wheels

- Uniform treatment of hollows and high spots.
- Vibration-free working of edges and corners.
- Wide choices of dimensions and grain sizes for work of all kinds.
- Flap wheels $\varnothing$ 165 mm with recessed face mandrel does not protrude and interfere with work.
- **SUHNER** SUBOL grinding oil enhances the cutting performance.
- **SUHNER** flexible power tools provide the right speed for every flap wheel.

Flap wheels	Grit size and Order No.							$\varnothing$ x Width	Shaft- $\varnothing$	MOS	
Type	60	80	120	150	180	240	320	mm	mm	rpm	
FSW 30/10	907 390	907 391	906 419	907 392	906 420	907 393	906 418	30 x 10	6	19 000	10
FSW 40/15	901 920	901 921	901 923	901 924	903 338	901 925	901 926	40 x 15	6	14 300	10
FSW 60/30	901 956	903 339	901 958	901 959	901 960	901 961	901 962	60 x 30	6	9 500	10
FSW 80/30	901 975	901 976	901 978	901 979	901 980	901 982	901 983	80 x 30	6	7 100	10
FSW 80/50	901 985	901 986	901 987	903 340	901 988	901 989	901 990	80 x 50	6	7 100	10

Flap wheels	Grit size and Order No.							$\varnothing$ x Width x Bore	Suitable Adapter	Overhung spindle	MOS	
Type	60	80	120	150	180	240	320	mm		Order Nr.	rpm	
FSW 165/50	902 004	902 006	902 008	902 009	902 010	902 011	907 908	165 x 50 x 45	FDV 12-48	57 652 02	4 000	2
									FDV MK 1-48	57 652 05		
FSW 100/100	907 885	907 886	907 887					100 x 100 x 19,1	FG M14	907 875	6 700	1



FVSK non-woven, inter-leaved fiber brushes/drums

- The ideal combination of abrasive flaps and non-woven material.
- The logical choice following a flap wheel, for a satin finish.
- The smooth flaps better handle uneven surfaces.
- No scratches – forgives grinding errors.
- Ideal for removal of scratches.
- Especially suitable to match pre-worked areas, i.e. after grinding welds on stainless steel.
- FVSK produce a finer scratch pattern than FSW.

Combi flap brushes	Grit size and Order No.						$\varnothing$ x Width x Shaft	$\varnothing$ x Width x Bore	Suitable adapter	Order Nr.	MOS	
Type	40	60	100	120	150	240	mm	mm			rpm	
FVSK 40/30		907 999	908 000		908 001	908 002	40 x 30 x 6				13 000	10
FVSK 75/45		906 878	906 879		906 880	906 881	75 x 45 x 6				8 000	10
FVSW 105/100	907 876	907 877		907 878				105 x 100 x 19,1	FG M14	907 875	5 700	1
FVSR 175/45		906 886	906 887		906 888	906 889		175 x 45 x 51	FDV 12-51	48 593 02	3 000	2

Abrasive	Recommended drive units					
	Electric Grinders	Page	Air Grinders	Page	Flex. Shaft Grinders	Page
FSW 30/10	USC 25-R	19	LLG 16, LSG 16	22	MINIFIX, ROTASET	24-25
FSW 40/15	USC 25-R	19	LLH 12	23	MINIFIX, ROTASET	24-25
FSW 60/30	USC 9-R	19	LLC 4, LLH 7	22-23	ROTOSTAR, ROTOFIX, ROTOFERA, ROTAR	24-27
FSW 80/30, 80/50	USK 6-R, USF 6-R	19	LLC 4, LLH 7	22-23	ROTOSTAR, ROTOFERA, ROTAR, ROTOMAX	24-29
FSW 165/50, FVSR 175/45					ROTOSTAR, ROTOFERA, ROTAR, ROTOMAX	24-29
FVSK 75/45	USC 9-R	19	LLC 4, LLH 7	22-23	ROTOSTAR, ROTOFERA, ROTAR, ROTOMAX	24-29
FVSK 40/30	USC 25-R	19	LLH 12	23	MINIFIX, ROTASET, ROTOSTAR	24-25
FSW, FVSW 100/100	UPK 4-R	18			ROTOFERA, ROTAR, ROTOMAX	26-29

Non-woven Nylon Brushes

Soft grinding with a smooth finish



Non-woven Nylon Brushes and Drums

- Flap type, soft touch with small amount of grit for even grinding and smoother finish. The brushes are pliable and better adjust to the material.
- For various stages of finishing up to mirror finish.
- For cleaning and finishing jobs in the appliance industry, food & beverage equipment manufacturers, stainless steel fabricators, etc.

Non-woven flap brushes/drum Type	Grit size and Order No.				Ø x Width x Shank mm	Ø x Width x Bore mm	Suitable adapter	Order Nr.	Max. speed (MOS) rpm	
	80	100	180	280						
FVVK 40/30		907 996	907 997	907 998	40x30x6				13000	10
FVVK 80/50		903 429	903 430	903 431	80x50x6				6000	10
FVWV 110/100	908 769	907 881	907 882	907 883		110x100x19,1	FG M14	907 875	5700	1
FVVR 150/50		902 106	902 107	902 108		150x50x51	FDV 12-51	48 593 02	3200	1



Non-woven Nylon Discs

- FVBG: Discs in goblet form with replaceable shank.
- FVBK: Disc with fixed mounted shaft.
- FVBG-S: Replaceable discs for FVBG.

Non-woven flap brushes/goblets Type	Grit size and Order No.			Ø x Width x Shank mm	Max. speed rpm	Weight kg	
	100	180	280				
FVBK 75	908 088	908 089	908 090	90x90x6	8000	0,080	10
FVBG 50	908 091	908 092	908 093	50x50x6	11 000	0,080	2
FVBG 75	908 094	908 095	908 096	75x50x6	8000	0,080	2

Non-woven discs Type	Grit size and Order No.			Ø x Width x Bore mm	Suitable adapter	Order Nr.	Max. speed min ⁻¹	
	100	180	280					
FVBG-S 50	908 097	908 098	908 099	50x13x6	FD 6-6	908 124	11 000	50
FVBG-S 75	908 100	908 101	908 102	75x13x6	FD 6-6	908 124	8000	50
FVBG-S 150	908 384	908 385	908 386	150x13x14	FD 8-14	904 706	4000	50
FVBG-S 200	908 387	908 388	908 389	200x13x14	FD 8-14	904 706	3000	50

Abrasive	Recommended drive units					
	Electric Grinders		Page	Air Grinders		Page
FVVK	USK 6-R, USF 6-R, USF 11-R		19	LLC 4, LLH 12		22-23
FVWV	UPK 4-R		18			26-29
FVVR	USK 3-R		19			24-29
FVBK	USK 6-R, USF 6-R		19	LLC 4, LLH 7		22-23
FVBG	USK 6-R, USF 6-R, USF 11-R		19	LLC 4, LLH 7		22-23
FVBG-S	USK 6-R, USF 6-R, USF 11-R		19	LLC 4, LLH 7		22-23

SUN-Press and SUN-Roll

Pressed and wound fiber-fleece tools to meet the highest demands



SUN-Press:

pressed fiber-fleece tools

- For deburring, cleaning, levelling, finishing and pre-polishing.
- Time-saving and cost-effective: only one work step removes weld seams and achieves a perfect, shining surface.
- For all materials, in particular for Inox, titanium and aluminum.

Type	Size Max. rpm	Soft Density 2	Soft/medium Density 4	Medium/hard Density 6	Hard Density 8	Extra-hard Density 10	
SUN-flx (Roll-On)	75 x 6 x Roll-On 12000	SUN-Press R 75 2SF HVFS 908 801	SUN-Press R 75 4SF HVFS 909 624	SUN-Press R 75 6AF HVFS 909 625	SUN-Press R 75 8AM HVFS 908 800		5
Wheels 150 mm	150 x 3 x 25 mm 6000			SUN-Press 150/3/25 6SF HVFS 909 475	SUN-Press 150/3/25 8AM HVFS 909 476	SUN-Press 150/3/25 10AM HVFS 909 623	10
	150 x 6 x 25 mm 6000	SUN-Press 150/6/25 2SF HVFS 909 471	SUN-Press 150/6/25 4SF HVFS 909 472	SUN-Press 150/6/25 6SF HVFS 909 473	SUN-Press 150/6/25 8AM HVFS 909 474	SUN-Press 150/6/25 10AM HVFS 909 622	10
Fiber-backed wheels	115 mm 10 000	SUN-Press 115 2SF HVFS 909 626			SUN-Press 115 8AM HVFS 909 627		5
Properties and applications		Light cleaning (discoloration, paint), rust and notch removal, levelling, polishing	Cleaning, surface levelling, repairing notches, polishing after weld seam removal, prepolishing	Deburring, removal of grinding marks (K80 on steel, K120 on aluminum), rounding of edges, rough cleaning	Deburring (large burrs), very rough cleaning, weld-seam abrasion	Weld-seam abrasion and deburring of very hard materials	

Grain: silicon carbide (S)

Grain: aluminum oxide (A)

Surface finish

Stock removal



SUN-Roll and SUN-Roll finish

Wound fiber-fleece tools

- For deburring, levelling and polishing small workpieces.
- For all materials, in particular Inox, titanium and aluminum.
- **SUN-Roll finish:** open structure for dull decor finish.

Type	Size Max. rpm	SUN-Roll finish	Soft Density A	Medium Density B	Hard Density C	Suitable mounting	Mandrel Order Nr.	
Wheels	150 x 25 x 25 mm 6000		SUN-Roll A FVHR 150/25/25 909 631	SUN-Roll B FVHR 150/25/25 909 632	SUN-Roll C FVHR 150/25/25 909 633	FDV 12-25	48 594 01	1
	150 x 50 x 25 mm 6000	SUN-Roll finish 150/50/25 908 111	SUN-Roll A FVHR 150/50/25 909 637	SUN-Roll B FVHR 150/50/25 909 638	SUN-Roll C FVHR 150/50/25 909 639	FDV 12-50	48 594 02	1
	200 x 25 x 76 mm 4500		SUN-Roll A FVHR 200/25/76 909 634	SUN-Roll B FVHR 200/25/76 909 635	SUN-Roll C FVHR 200/25/76 909 636	FDV 12-76	52 0000 83	1
	200 x 50 x 76 mm 4500	SUN-Roll finish 200/50/76 908 112	SUN-Roll A FVHR 200/50/76 909 640	SUN-Roll B FVHR 200/50/76 909 641	SUN-Roll C FVHR 200/50/76 909 642	FDV 12-76	48 593 01	1
Properties and applications		Dull decor finish	Pre-polishing, finishing, light deburring of small parts	Deburring, removal of grinding marks, finishing, edge grinding.				

Deburring, removal of grinding

Stock removal

Grain: silicon carbide (S)

SUN-Press/SUN-Roll	Recommended drive units					
	Electric Grinders	Page	Air Grinders	Page	Flex. Shaft Grinders	Page
SUN-Press SUN-flx	UWG 10-R	18	LPB 12	21	MINIFX 25-R, ROTOFIX	24-27
SUN-Press Ø 150	ROTOsmart, UKC 8-R	19			ROTOSTAR, ROTOFIX, ROTOMAX	24-29
SUN-Press Ø 115	UWG 10-R, UWK 10-R	18	LWH 9	23	ROTOSTAR, ROTOFERA, ROTOMAX	24-29
SUN-Roll Ø 150	USK 6-R	18			ROTOSTAR, ROTOFERA, ROTOMAX	26-29
SUN-Roll Ø 200					ROTOSTAR, ROTOFERA, ROTOMAX	26-29

Flap brush for finishing a variety of complex surfaces



BSK: Flap brush

- For finer finishes on metals, woods, plastics, rubber and ceramics.

BSK-SB: Abrasive strip package

- For self loading.
- Resin bonded silicon carbide.
- Each head requires a set of 3 strip packages (12 strips).

BSK-FB: Refill brush package

- For replacement.
- Requires 1 set with 12 strips per head.

BSK-FBH:

Replacement fiber brush holder

- Requires 12 pieces per head.

Flap brush		Ø x Width mm	Order Nr.	Grit and Order Nr.								Max. speed MOS rpm	
Type	Description			60	80	100	120	150	180	220	320		
BSK	Flap brush	150 x 60	902 110										1
BSK-SB	Set of abrasive strips			902 120	902 121	906 860	902 123	906 861	902 125	902 126	902 128		1
BSK-FB	Fiber brush package-set		902 111										1
BSK-FBH	Brush holder		902 112										12
FG-MK1-5/8	Brush holder		14 750 01										1
FG 12-5/8	Mandrel with 12 mm shaft		14 762 01										1

Flap brush	Recommended drive units					
	Electric Grinders	Page	Air Grinders	Page	Flex. Shaft Grinders	Page
BSK	USK 3-R	19			ROTOFERA, ROTAR	26-27
					ROTOMAX	28-29



Spiral Bands

Easy to use with efficient results



ESB VA/PSWB VA

- High performance abrasive spiral wound bands for expandable drums ESR and inflatable drums PSW, available in VA (for steel, stainless and aluminum).
- Ideal for pre-grinding stainless steel vessels, grinding off spot welds, mold polishing, deburring ends on tubes, etc.

ESB FVV/PSWB FVV

- Surface conditioning bands and belts.
- Produces satin finish on a variety of metals.

- To finish, polish and buff metal, wood and plastic surfaces.
- Available in 3 grits.

ESB TZ/PSWB TZ

- Abrasive belt with regenerating pyramid structure.
- For hard metals and Inox.
- Work steps can be skipped: time-saving and cost-effective.
- Extra-long service life.

ESR

- The band is mounted on a slotted expandable drum.
- Guarantees a firm grip and increased elasticity.
- Allows use of the full width for grinding.

PSW

- «The Formula – 1 tire for a great finish»
- Pneumatic inflatable drum. Pressure is adjustable, to suit the application on a given work piece.
- Use air gun for inflation.

Abrasive bands / belts VA Type	Dimension	Grit and Order Nr.										Band/belt Mount	Order Nr.	MOS rpm	
		40	60	80	100	120	150	180	220	240	320				
ESB 10/20 VA	20x31	908 142	908 143	908 144	–	908 145	–	908 146	908 704	908 705	908 706	ESR 10/20	907 930	44 000	50
ESB 15/30 VA	30x47	908 147	908 148	908 149	–	908 150	–	908 151	908 704	–	–	ESR 15/30	907 931	36 000	50
ESB 22/14 VA	14x69	901 273	901 275	901 276	901 277	901 278	901 279	901 280	–	–	–	ESR 22/14	49 395 01	26 000	50
ESB 22/20 VA	20x69	908 026	908 027	908 028	908 029	908 030	908 031	908 032	–	–	–	ESR 22/20	907 932	26 000	50
ESB 22/36/60 VA	60	908 040	908 041	908 042	908 043	908 044	908 045	908 046	–	–	–	ESR 22/36/60	908 048	16 000	50
ESB 25/30 VA	30x78	901 295	901 297	901 298	901 299	901 300	901 301	901 302	–	–	–	ESR 25/30	49 396 01	11 000	50
ESB 30/18 VA	18x94	901 306	901 308	901 309	901 310	901 311	901 312	901 313	–	–	–	ESR 30/18	49 397 01	19 100	50
ESB 30/30 VA	30x94	908 921	908 922	908 923	908 924	908 925	908 926	908 927	–	–	–	ESR 30/30	52 778 01	19 100	50
ESB 45/30 VA	30x141	907 943	907 944	907 945	907 946	907 947	907 948	907 949	908 707	908 708	907 709	ESR 45/30	907 934	12 700	50
ESB 60/30 VA	30x188	908 153	908 154	908 155	908 156	908 157	908 158	908 159	–	–	–	ESR 60/30	908 152	9 500	50
ESB 75/30 VA	30x236	907 967	907 968	907 969	907 970	907 971	907 972	907 973	–	–	–	ESR 75/30	907 935	7 600	50
PSWB 75/75 VA	75x251	907 866	907 867	907 868	907 869	907 870	907 871	907 872	907 873	–	–	PSW 75/75	907 851	6 000	10
PSWB 120/80 VA	85x383	907 858	907 859	907 860	907 861	907 862	907 863	907 864	907 865	–	–	PSW 120/80	907 850	4 000	10

Abrasive bands / belts FVV Type	Dimension	Mineral grade and Order Nr.			Band/belt Mount	Order Nr.	MOS rpm	
		rough	medium	very smooth				
ESB 75/30 FVV	30x236	907 974	907 975	907 976	ESR 75/30	907 935	5 000	20
PSWB 75/75 FVV	80x251	907 855	907 856	907 857	PSW 75/75	907 851	4 500	5
PSWB 120/80 FVV	90x390	907 852	907 853	907 854	PSW 120/80	907 850	3 200	5

Abrasive bands / belts TZ Type	Dimension	A160 (K120)	A100 (K220)	A 65 (K280)	A 45 (K400)	A 30 (K600)	A16 (K1200)	A 6 (K2500)	Band/belt Mount	Order Nr.	MOS rpm	
ESWB 45/30 TZ	30x143	908 322	908 321	908 320	908 319	908 318	908 317	–	ESR 45x30	907 934	12 700	
ESWB 60/30 TZ	30x190	908 316	908 315	908 314	908 313	908 312	908 311	–	ESR 60x30	908 152	9 500	
PSWB 75/75 TZ	80x251	908 507	908 506	908 504	908 503	908 502	908 501	908 500	PSW 75x75	907 851	4 000	

Abrasive	Recommended drive units					
	Electric Grinders		Page	Air Grinders		Page
ESB-Bänder	USC 9-R, USC 25-R		19	LSB 20, LLC 23, LLH 12		21–23
PSWB-Bänder	USK 6-R		19	LLC 4		22
				Flex. Shaft Grinders		Page
				ROTOSTAR, ROTOFIX, ROTOFERA, ROTAR, ROTOMAX		24–29
				ROTOSTAR, ROTOFIX, ROTOFERA, ROTAR, ROTOMAX		24–29

Grinding and finishing belts

Suitable for **SUHNER** belt grinders (S. 32–33)



BSGB VA

- Coated abrasive belts for ferrous and non-ferrous metals, timber & plastics.

BSGB FVV

- Non-woven nylon abrasive surface conditioning belts: fast and easy.
- For refining rough surfaces with little or no dimensional change to the work piece.

- For oxide removal, deburring, decorative finish, cleaning and conditioning, wood sanding.
- Gets the job done in fewer steps than conventional products, while generating a uniform scratch pattern.
- Available in 5 grits.

BSGB TZ

- Abrasive belt with regenerating pyramid structure.
- For hard metals and Inox.
- Work steps can be skipped: time-saving and cost-effective.
- Extra-long service life.

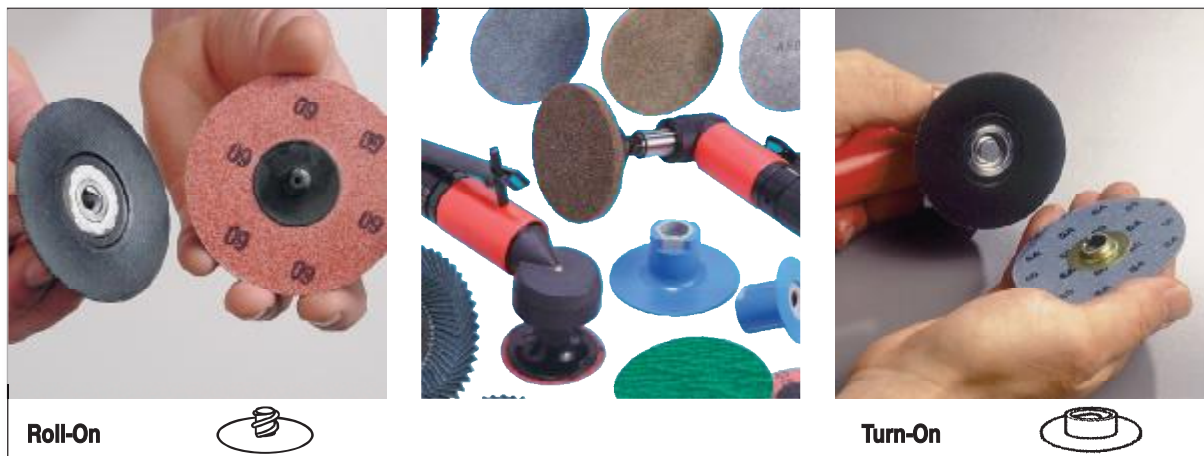
Type	Dimenson	for Belt Grinder see page	MOS rpm	Grit and Order Nr.											
				40	60	80	100	120	150	180	220	240	320	400	
BSGB 35/450 VA	35x450	32	7000	–	901 235	901 236	901 237	901 238	901 239	901 240	901 241	901 242	901 243	901 244	20
BSGB 50/450 VA	50x450	32, 33	7000	904 100	901 245	901 246	901 247	901 248	901 249	901 250	901 251	901 252	901 253	901 254	20
BSGB 63/950 VA	63x950	–	5000	–	901 255	901 256	901 257	901 258	901 259	901 260	901 261	–	901 262	–	20
BSGB 3/520 VA	3x520	33	16000	–	907 981	907 982	907 983	907 984	–	–	–	–	–	–	20
BSGB 6/520 VA	6x520	32, 33	16000	900 835	900 836	900 837	900 838	900 839	–	907 918	–	907 919	907 920	–	20
BSGB 12/520 VA	12x520	32, 33	16000	900 845	900 846	900 847	900 848	900 849	–	907 921	–	907 922	907 923	–	20
BSGB 16/520 VA	16x520	33	16000	900 855	900 856	900 857	900 858	900 859	–	907 924	–	907 925	907 926	–	20
BSGB 19/520 VA	19x520	33	16000	900 874	900 875	900 876	900 877	900 878	–	907 927	–	907 928	907 929	–	20
BSGB 3/305 VA	3x305	33	20000	–	908 338	908 339	–	908 341	–	–	–	–	–	–	20
BSGB 6/305 VA	6x305	32, 33	20000	908 342	908 343	908 344	908 345	908 346	–	908 347	–	908 348	908 349	–	20
BSGB 12/305 VA	12x305	32, 33	20000	908 350	908 351	908 352	908 353	908 354	–	908 355	–	908 356	908 358	–	20
BSGB 30/533 VA	30x533	32	7000	–	908 585	908 586	908 587	908 588	908 589	908 590	–	–	–	–	20
BSGB 30/610 VA	30x610	32, 33	9000	–	909 695	909 696	909 697	909 698	909 699	909 700	–	–	–	–	20

Type	Dimenson	for Belt Grinder see page	MOS rpm	Fineness of the grit and Order Nr.					
				rough	medium	very smooth	super smooth	ultra smooth	
BSGB 50/450 FVV	50x450	32, 33	5700	907 103	907 038	903 444	907 628	907 027	5
BSGB 63/950 FVV	63x950	–	3200	907 954	907 104	903 445	–	–	5
BSGB 6/520 FVV	6x520	32, 33	10000	900 860	900 861	900 862	–	908 715	20
BSGB 12/520 FVV	12x520	32, 33	10000	900 863	900 864	900 865	908 701	908 716	20
BSGB 16/520 FVV	16x520	33	10000	900 866	900 867	900 868	–	–	20
BSGB 19/520 FVV	19x520	33	10000	900 879	900 880	900 881	908 702	908 813	20
BSGB 6/305 FVV	6x305	33	20000	–	908 358	908 359	908 360	–	20
BSGB 19/305 FVV	9x305	–	20000	–	908 634	908 362	908 363	–	20
BSGB 30/533 FVV	30x533	32	7000	908 591	908 592	908 593	908 703	908 699	5
BSGB 30/610 FVV	30x610	32, 33	9000	909 701	909 702	909 703	909 704	–	5

Type	Dimenson	for Belt Grinder see page	Grit and Order Nr.							
			A 160 (K 120)	A 100 (K 220)	A 65 (K 280)	A 45 (K 400)	A 30 (K 600)	A 16 (K 1200)	A 6 (K 2500)	
BSGB 50/450 TZ	50x450	32, 33	908 820	908 821	908 823	908 824	908 825	908 826	909 085	20
BSGB 6/520 TZ	6x520	32, 33	908 827	908 828	908 830	908 831	908 832	908 833	–	20
BSGB 12/520 TZ	12x520	32, 33	908 834	908 835	908 837	908 838	908 839	908 840	–	20
BSGB 30/533 TZ	30x533	32	908 841	908 842	908 844	908 845	908 846	908 847	909 086	20
BSGB 30/610 TZ	30x610	32, 33	909 705	909 706	909 708	909 709	909 710	909 711	909 712	20

SUN-fix

The first complete Grinding System



The **SUN-fix** Grinding Program with Quick-change System from **SUNNER** Offers the following advantages:

- Highest safety and service life of disc through direct mounting to pad holder.
- The right abrasive for the continuous sequence from material removal to mirror finish.
- The right power tool with the right speed selection from Electric, Air and/or Flexible shaft Grinders/Polishers.

SUN-fix VA/ST (Grinding discs)

- **VA/ST** for Steel, stainless steel, hastalloy, titanium, cast iron. Due to the integrated cooling agent, there is no discoloring or overheating of the work piece. The life of the disc increases and the grinding performance improves (up to 25%).

Type	Ø mm	Grit	Roll-On		Turn-On		MOS rpm	
			Type	Order Nr.	Type	Order Nr.		
VA/ST	19	36	SB R 19 VA/ST	—	SB 19 VA/ST	908 641	20 000	100
		60		—		908 642		
		80		—		908 643		
		120		—		908 644		
	25	36	SB R 25 VA/ST	—	SB 25 VA/ST	900 920	20 000	100
		60		—		900 921		
		80		—		900 922		
		120		—		908 645		
	50	36	SB R 50 VA/ST	908 454	SB 50 VA/ST	900 923	20 000	100
		60		908 455		900 924		
		80		908 456		900 925		
		120		908 784		908 646		
	75	36	SB R 75 VA/ST	908 460	SB 75 VA/ST	900 926	12 000	50
		60		908 461		900 927		
		80		908 462		900 928		
		120		908 785		908 647		

SUN-fix SC (Grinding discs)

- **SC** these silicon carbide abrasive discs are especially suitable for aluminum, titanium, non-ferrous metals and natural stones.

Type	Ø mm	Grit	Roll-On		Turn-On		MOS rpm	
			Type	Order Nr.	Type	Order Nr.		
SC	50	36	SB R 50 SC	908 457	SB 50 SC	900 990	20 000	100
		60		908 458		900 991		
		80		908 459		900 992		
		120		908 466		900 993		
		180		908 467		900 994		
		240		908 468		900 995		
		320		908 524		900 996		
	75	36	SB R 75 SC	908 929	SB 75 SC	908 684	12 000	50
		60		908 930		908 685		
		80		908 931		908 686		
		120		908 932		908 687		
		180		908 933		908 688		
		240		908 934		908 689		
		320		908 935		908 690		

SUN-fix VA (Grinding discs)

- **VA** especially suitable for stainless steel, due the integrated lubricating agent, which results in an optimal surface finish without becoming discolored.

Type	Ø mm	Grit	Roll-On		Turn-On		MOS rpm	
			Type	Order Nr.	Type	Order Nr.		
	50	36	SB R 50 VA	908 451	SB 50 VA	900 930	20 000	100
		60		908 452		900 931		
		80		908 453		900 932		
	75	36	SB R 75 VA	908 460	SB 75 VA	900 933	12 000	50
		60		908 461		900 934		
		80		908 462		900 935		

SUN-fix FVVS (Reinforced surface conditioning disc)

- **FVVS** The reinforced backing imbedded in the nylon structure of the disc provides additional strength and durability for edge work.
To remove pre-ground scratches and to remove rust or discoloration. Results in clean and smooth surface for all operations above grit 80/120.

Type	Ø mm	Grit	Roll-On		Turn-On		MOS rpm	
			Type	Order Nr.	Type	Order Nr.		
	19	C (coarse)	FVVS R 19	—	FVVS 19	900 940	20 000	50
		M (medium)		—		—		
		VF (very fine)		—		900 941		
	25	C (coarse)	FVVS R 25	—	FVVS 25	900 942	20 000	50
		M (medium)		—		900 943		
		VF (very fine)		—		900 944		
	50	C (coarse)	FVVS R 50	908 477	FVVS 50	900 945	20 000	50
		M (medium)		908 476		900 946		
		VF (very fine)		908 475		900 947		
	75	C (coarse)	FVVS R 75	908 480	FVVS 75	900 948	12 000	25
		M (medium)		908 479		900 949		
		VF (very fine)		908 478		900 950		

SUN-fix FVBS (Open web surface conditioning discs)

- **FVBS** Non-woven nylon conditioning disc for a fast and effective removal of light oxidation for preparation for parts to be coated and for mirror finishing.

Type	Ø mm	Grit	Roll-On		Turn-On		MOS rpm	
			Type	Order Nr.	Type	Order Nr.		
	25	C (coarse)	FVBS R 25	—	FVBS 25	900 960	20 000	50
		M (medium)		—		900 961		
		F (fine)		—		900 962		
	50	C (coarse)	FVBS R 50	908 471	FVBS 50	900 963	20 000	50
		M (medium)		908 470		900 964		
		F (fine)		908 469		900 965		
	75	C (coarse)	FVBS R 75	908 474	FVBS 75	900 966	12 000	25
		M (medium)		908 473		900 967		
		F (fine)		908 472		900 968		

SUN-fix FVOS (Cleaning discs)

- **FVOS** for removal of corrosion, discoloration, cleaning of weld seams and surfaces without removing material, stripping paint.

Type	Ø mm	Grit	Roll-On		Turn-On		MOS rpm	
			Type	Order Nr.	Type	Order Nr.		
	50	—	FVOS R 50	908 798	FVOS 50	908 017	20 000	25
		—		—		—		
		—		—		—		
		—		—		—		

SUN-fix LFS (Mini flap discs)

- **LFS** cool, soft and operator fatigue free grinding with extremely high life-time and even grinding performance. Suitable for steel, stainless steel, high alloy steels, cast iron, non-ferrous metals and aluminum.

Type	Ø mm	Grit	Roll-On		Turn-On		MOS rpm	
			Type	Order Nr.	Type	Order Nr.		
	50	40	LFS R 50 VA	908 785	—	—	20 000	10
		60		908 786		—		
		80		908 787		—		
	75	40	LFS R 75 VA	908 788	—	—	12 000	10
		60		908 789		—		
		80		908 790		—		

SUN-fix LFS-F (Flexible mini flap discs)

- **LFS-F** Optimum cooling of disc and work piece, perfectly suitable for radii and contours.
Used for steel, stainless steel, high alloy steels, cast iron, non-ferrous metals and aluminum.

Type	Ø mm	Grit	Roll-On		Turn-On		MOS rpm	
			Type	Order Nr.	Type	Order Nr.		
	50	40	LFS-F R 50 VA	908 791	-	-	20 000	10
		60		908 792		-		
		80		908 793		-		
	75	40	LFS-F R 75 VA	908 794	-	-	12 000	10
		60		908 795		-		
		80		908 796		-		

SUN-fix BVSB (Cotton laminated discs)

- **BVSB** Grinding and finishing in one process. Cool grinding without clogging on aluminum.
Used for steel, stainless steel, cast iron, titanium, non-ferrous metals, and aluminum.

Type	Ø mm	Grit	Roll-On		Turn-On		MOS rpm	
			Type	Order Nr.	Type	Order Nr.		
	50	A 36	BVSB R 50	908 779	-	-	20 000	5
		A 80		908 780		-		
		A 120		908 781		-		
	75	A 36	BVSB R 75	908 782	-	-	12 000	5
		A 80		908 783		-		
		A 120		908 784		-		

SUN-Press HVFS (unitized discs)

- **SUN-Press HVFS** Easy stock removal and perfect shine. For deburring, cleaning, levelling and pre-polishing (depending on hardness).
Can be used on Inox, titanium, aluminum. See also p. 10.

Type	Ø mm	Hardness	Grit	Roll-On		Turn-On		MOS rpm	
				Type	Order Nr.	Type	Order Nr.		
	75	2 (soft)	s/c fein	SUN-Press R 75 HVFS	908 801	-	-	12 000	5
		4 (soft/medium)	s/c fein		909 624		-		
		6 (medium/hard)	a/o fein		909 625		-		
		8 (hard)	a/o med.		908 800		-		

SUN-fix FSB (felt polishing discs)

- **FSB** Optimum buffing of smaller surfaces.

Type	Ø mm	Roll-On		Turn-On		MOS rpm	
		Type	Order Nr.	Type	Order Nr.		
	50	FSB 50 R	908 926	-	-	20 000	50
	75	FSB 75 R	908 762	-	-	12 000	10

SUN-fix SBH (Pad holders)

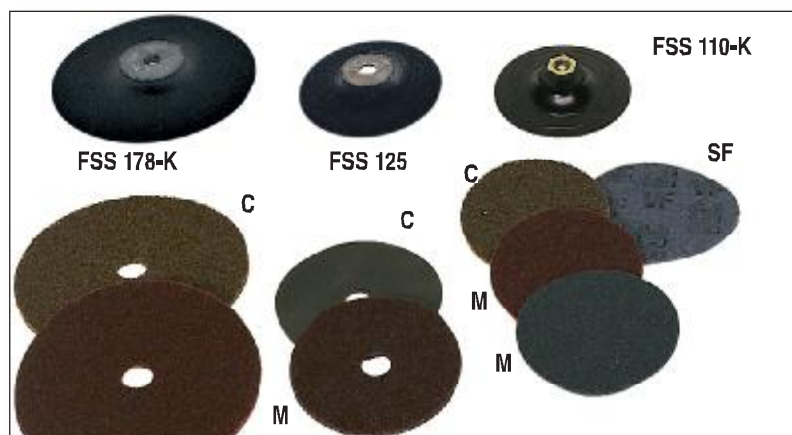
- **SBH** with removable 6 mm and 1/4" shank or M14 female thread for angle grinders.

Type	Ø	Hardness	Roll-On		Turn-On		MOS	
	mm		Type	Order Nr.	Type	Order Nr.		
	6	–	SBH R	–	SBH	900 976	20 000	1
	19	medium		–		900 970		
	25	medium		908 797		900 971		
	50	medium		908 525		900 972		
	50	hard		909 104		900 973	12 000	
	75	medium		908 526		900 974		
	75	hard		–		900 975		
	50	medium	SBH R M14	908 601	SBH M14	908 599	20 000	1
	75	medium		908 602		908 600	12 000	

Abrasive	Recommended drive units					
	Electric Grinders		Page	Air Grinders		Page
SUN-fix Ø 19				LWB 20	21	MINIFIX 25-R, ROTOFIX
SUN-fix Ø 25				LWB 20	21	MINIFIX 25-R, ROTOFIX
SUN-fix Ø 50				LWB 20, LPB 12	21	MINIFIX 25-R, ROTOFIX
SUN-fix Ø 75	UWG 10-R	18		LPB 12, LWC 16	21-22	MINIFIX 25-R, ROTOFIX

Non-woven nylon discs, hand pads & shop rolls

The all-rounders for daily use



FVVS 127

- Unitized surface conditioning disc.
- With fiber backing-, stronger and more aggressive.

FVVS 115-K/178-K

- Sturdy, reinforced disc with hook-and-loop fastening.
- For removal of rust and discoloration, stripping of paint, sealant, and decorative surfaces on metal.
- Blending, deburring, and cleaning weld seams.
- Used in maintenance of boats, vehicles and aircraft.

Type	Grits and Order Nr.				Ø mm	MOS rpm	Backing pad	Weight kg	
	C = Coarse	M = Medium	VF = Very fine	SF = Super fine					
FVVS 127	903 432	903 441			127	9 000	FSS 125	0,030	10
FVVS 115-K	906 377	906 378	906 379	906 380	115	10 000	FSS 110-K	0,035	10
FVVS 178-K	908 013	908 014	908 015	908 016	178	6 000	FSS 175-K	0,080	10
Type	Order Nr.	Description				Thread	used with		
FSS 125	49 023 01	Backing pad with clamp nut				M14	FVVS 127	0,090	1
FSS 110-K	907 500	Backing pad with Velcro mounting				M14	FVVS 115-K	0,080	1
FSS 175-K	907 052	Backing pad with Velcro mounting				M14	FVVS 178-K	0,190	1



FVV-B

- Hand pads for manual cleaning and finishing, available in A/O or SC.
- Provides an even scratch pattern.
- Can be used with pad holder, hook-and-loop mount.
- Excellent cleaning results.
- Elastic-matches all contours.
- Use in wet and dry applications.
- Use instead of steel wool.

FVV-SR

- Shop rolls for cleaning and finishing. Operator cuts them to required size. Roll size 10 m x 100 mm.
- For touch up work on stainless steel and aluminum.
- For cleaning tools.
- For roughening surface prior to painting, bonding, etc.
- Leaves a fine scratch pattern.

Hand Pad Holder

- With hook-and-loop mounting. Provides an even surface.

Mini Mandrel

- Small strips from roll are mounted to the Mini-mandrel to work on hard-to-reach places.

Hand pads	Order Nr.	Material	Grit	Grade	Dimension mm	Weight kg	
Type							
FVV-B	906 869	Aluminium oxide	180	fine	228 x 152	0,052	10
FVV-B	907 607	Aluminium oxide	280	very fine	228 x 152	0,027	10
FVV-B	907 608	Silicon carbide	500	super fine	228 x 152	0,025	10
Mini-Mandrin	907 246				Ø 6 x 74	0,011	1
Bloc de ponçage	907 499				140 x 80	0,200	1

Vliesrolen							
FVV-SR	906 870	Aluminium oxide	80	medium	10 m x 100 mm	1,090	1
FVV-SR	901 756	Aluminium oxide	180	fine	10 m x 100 mm	1,060	1
FVV-SR	901 757	Aluminium oxide	280	very fine	10 m x 100 mm	1,040	1
FVV-SR	901 758	Silicon carbide	500	super fine	10 m x 100 mm	0,890	1
FVV-SR	909 482	Silicon carbide	1 000	ultra fine	10 m x 100 mm	0,450	1

Abrasive	Recommended drive units					
	Electric Grinders		Page	Air Grinders		Page
FVVS 127	UWK 10-R, UWG 10-R		18	LWH 9		23
FVVS 115-K	UWC 7, UWC 10, UWF 10		18	LWH 9		23
FVVS 178-K	UWM 6		18	LWH 6		23
				Flex. Shaft Grinders		Page
				ROTOSTAR, ROTOFERA		24-27
				ROTOSET, ROTOSTAR, ROTOFERA		24-27
				ROTOSTAR, ROTOFERA		24-27



- **SUHNER** Electric power tools guarantee high power output, safety and reliability.
- High performance at an excellent power-to-weight ratio.

- Ergonomically designed

Ergonomic Power

The Optimum Speed for the Application



Straight Grinders

- **SUHNER** high performance straight grinders cover all applications, high speed and low speed.
- Ideal handling due to the long neck spindle housing.
- The electronic variable speed control allows use of abrasives and burrs at optimum efficiency.

Type		Description	Voltage	Order Nr.	Power	MOS rpm	Spindle mm
	USK 3-R	Straight Grinder (variable speed)	230 V	111 194	1530 W	1400–3000	12
	USK 6-R	Straight Grinder (variable speed)	230 V	111 196	1530 W	2800–5800	6
	USK 15-R	Straight Grinder (variable speed)	230 V	111 198	1530 W	6800–14500	6
	USG 33-R	Straight Grinder (variable speed)	230 V	111 214	1050 W	15000–33000	6
	USC 9-R	Straight Grinder (variable speed)	230 V	111 079	500 W	4000–9000	6
	USC 25-R	Straight Grinder (variable speed)	230 V	111 080	500 W	11000–25000	6



Air Tools

Compact Tools for Serious Applications



LSA 80/81

- Compact Straight grinder.
- Extremely light weight, feels like a pencil in your hand.
- Rugged, with a proven track record.
- LSA 80 Front exhaust for a clean work place.
- LSA 81 Rear exhaust with integrated muffler in the exhaust hose.

LWA 80/81

- Compact angle grinders.
- For precision deburring and polishing jobs.
- LWA 80 with adjustable 360° side exhaust.
- LWA 81 Rear exhaust with integrated muffler in the exhaust hose.

LGS 30

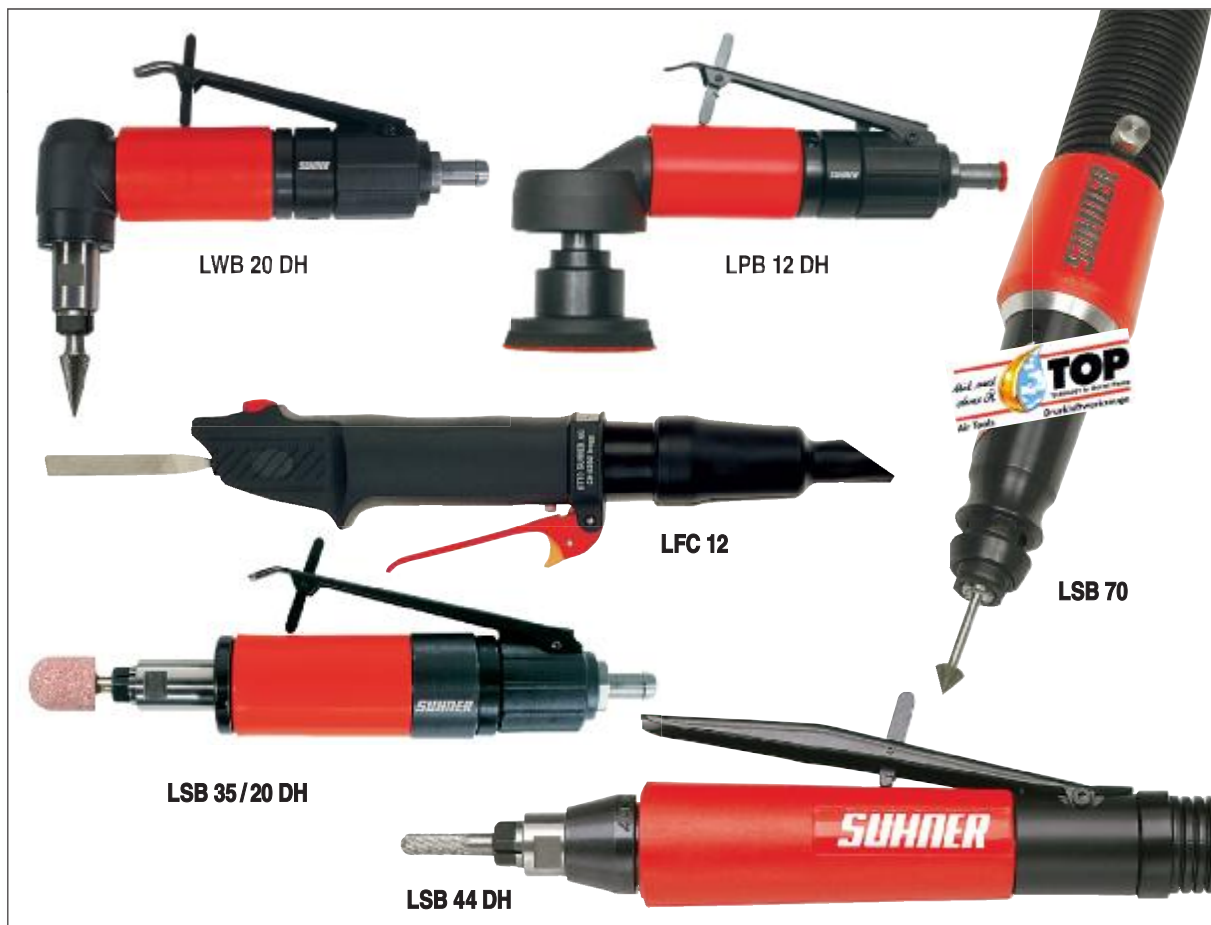
- Engraving pen with tungsten carbide stylus points for engraving metals, glass, plastics.
- Vibration free.

LWA 70 KF

- Commutator cutter with adjustable depth gauge for milling using diamond blades.

Type	Description	Order Nr.	Speed No-Load mm	Spindle/collet mm	Power W	Air consumption (m³/min)	Exhaust	Weight kg
LSA 81	Straight Grinder	57 070 01	80000	3	75	0,200	rear	0,310
LSA 80	Straight Grinder	47 479 01	80000	3	75	0,200	front	0,160
LWA 81	R/A Grinder	57 970 01	80000	3	75	0,200	rear	0,270
LWA 80	R/A Grinder	47 516 01	80000	3	75	0,200	front	0,120
LGS 30	Engraving pen	57 950 01	30000 (Frequency)	—	—	0,030	front	0,150
LWA 70 KF	Commutator cutter	47 443 01	70000	—	75	0,200	front	0,180





LWB 20 DH, LSB 35/20 DH, LPB 12 DH

- Powerful straight and right angle grinders/polishers.
- Optimum gear support.
- Particular suitable for hard-to-reach areas.
- Slim, high torque.
- LFP 12 with 1/4" working spindle for direct mount of backing pad (no shank), suitable for **SUN-fix** grinding system (see pages 14–16), compact head design.

LFC 12

- Profiler and Saw with adjustable stroke 2–8 mm.
- Low levels of noise and vibration.
- For fine deburring, polishing and lapping in mold and die shops, aluminum castings and sculpting.

LSB 44 DH

- Ergonomically designed high performance straight grinder muffled rear exhaust.

LSB 70

- Sets new standards for high speed grinders.

TOP = Usable with or without oil

Type	Description	Order Nr.	Speed No-Load min ⁻¹	Spindle/collet mm	Power W	Air consumption (m ³ /min)	Exhaust	Weight kg
LWB 20 DH	R/A Grinder	59 352 01	20000	Collet 6 mm	250	0,52	front	0,370
LPB 12 DH	R/A Grinder	59 351 02	12000	Spindle 1/4"	250	0,48		0,390
LSB 35 DH	Straight Grinder	59 350 01	35000	Collet 6 mm	220	0,52		0,290
LSB 20 DH	Straight Grinder	59 320 01	20000	Collet 6 mm	270	0,59		0,400
LSB 44 DH	Straight Grinder	59 330 01	44000	Collet 6 mm	250	0,52	rear	0,340
LSB 70	Turbo Straight Grinder	57 720 01	70000	3	220	0,25	rear	0,420
LFC 12	Profiler/Saw	59 040 01	12000	–	300	0,25	front	0,620
LFC 12 Set	Set Profiler/Saw Kit	111 137 01	12000	–	300	0,25	front	0,620



Air Grinders – Polishers

The Size You Want – the Power You Need



- Pneumatic tools for use with or without oil. Clean exhaust and breathing air, no oil film on the work piece. High performance, even in dry operation. Long service life due to use of HT- composite motor parts. Ergonomically designed. Scratch resistant insulated housing.

LSC, LLC und LWC TOP

- Thoroughly tested by craftsmen and industry. Built-in rear exhaust muffler, slim design. Modular design to reduce parts inventory. Service friendly, reduces downtime.

LLC 4, TOP

- Specially suited to use the vast range of **SUN-fix** surface conditioning, finishing, abrasive and polishing products.

LWG, LLG, LSG

- 900 watts: excellent size-to-power ratio.
- State-of-the-art technology for noise reduction.
- Exhaust blown off to rear.

Air Tools Type	Description	Order Nr.	Speed No-Load rpm	Spindle/collet	Power W	Air consumption (m³/min)	Exhaust	Weight kg
LSC 23 H	Straight Die Grinder	52 373 41	23000	6 mm	330	0,660	rear	0,600
LWC 16 H	R/A Grinder	52 373 43	16000	6 mm	330	0,660	rear	0,710
LLC 23 H	Extended Die Grinder	52 373 42	23000	6 mm	330	0,660	rear	0,810
LLC 4 H	Extended Die Grinder	52 373 75	3500	6mm	340	0,660	rear	0,980
LWG 12 H	R/A Grinder	112 006	12000	M 14	900	0,700	rear	1,700
LLG 16 H	Extended Neck Grinder	112 004	16000	6 mm	900	0,700	rear	1,600
LLG 20 H	Extended Neck Grinder	112 005	20000	6 mm	900	1,000	rear	1,600
LSG 16 H	Straight Die Grinder	112 001	16000	6 mm	900	0,700	rear	1,100
LSG 20 H	Straight Die Grinder	112 002	20000	6 mm	900	1,000	rear	1,100



Belt Grinders page 32–33



LWH, LLH

- Powerful right angle, die and extendend neck grinders for rugged use in industrial environment.
- Ergonomically designed. Insulated scratch resistant motor housing, heavy duty spindle bearings, low noise level with muffled rear exhaust.
- Ideal for heavy duty work in metal fabrication, foundries, forges, ship building, heavy equipment industries, farming implements, etc.
- LWH 6 for Grindings/Cutting wheels 178 mm.
- LWH 9 for Grindings/Cutting wheels 150 mm.
- LWH 12 for Grindings/Cutting wheels 125 mm.
- LLH 12 with mandrel SPG and wheel guard SH 127 for type 1, $\varnothing 125 \times 25 \times 22$ mm grinding wheels.

TOP = Usable with or without oil

Air Tools	Description	Order Nr.	Speed No-Load	Spindle/Collet	Power	Air consumption	Exhaust	Weight
Type			min ⁻¹		W	(m ³ /min)		kg
LWH 6 H	R/A Grinder	52 056 13	6000	M 14	1000	0,600	rear	2,500
LWH 9 H	R/A Grinder	52 056 17	9000	M 14	1000	1,660	rear	2,500
LWH 12 H	R/A Grinder	52 056 15	12000	M 14	1000	1,660	rear	2,500
LLH 7 HR	Extendend neck Die Grinder	52 056 57	7000	8 mm	1000	0,600	rear	2,400
LLH 12 HR	Extendend neck Die Grinder	52 056 55	12000	8 mm	1000	1,660	rear	2,300
LLH 20 H	Extendend neck Die Grinder	52 056 53	20000	8 mm	1000	1,660	rear	2,300

Accessories	Description	Order Nr.
Type		
SH 127	Wheel Guard D 127 mm	52 244 01



Belt Grinders page 32-33

Triple Flexibility With Flexible Shafts



Advantages of Flexible Shaft Grinders/Polishers:

- The most versatile and unique range of grinders/polishers for all materials.
- Light weight tools with excellent power to weight ratio.
- Also suitable to work in hard-to-reach areas.
- Wide speed range.
- Constant speed.
- High stock removal rate.
- All models with rugged frame for portable or suspended use.
- Low noise levels.
- Reduced in-hand weight vs. hand tools.
- Quick change hand pieces.

Machines Type	Description	Order Nr.	Shaft mounting	Voltage V/50Hz	Power W	Weight kg
ROTOSTAR	Single phase Universal Motor with 3 speed gear box (3000, 6000 and 12 000 rpm)	110 165	DIN 10	230	1700	10,000
ROTASET 28	Single phase Universal motor, single speed (28 000 rpm)	110 150	DIN 10	230	750	2,850
ROTASET 25-R	Single phase Universal motor, variable speed control (12 000 to 25 000 rpm)	110 152	DIN 10	230	1 000	2,850
MINIFIX 9-R	Single phase Universal motor, variable speed control (4 000 to 9 000 rpm)	110 202	DIN 10	230	500	1,650
MINIFIX 25-R	Single phase Universal motor, variable speed control (11 000 to 25 000 rpm)	110 163	DIN 10	230	500	1,650
MINIFIX 28	Single phase Universal motor, single speed (28 000 rpm)	110 161	DIN 10	230	300	1,650

Machines Type	Description	Order Nr.	Shaft mounting	Voltage	Power	Weight kg
FSM (1:1)	Angle grinder for max. 12 000, spindle M 14, Gear ratio 1:1	57 891 01	G28	—	—	1,245
BSG 10/35	Belt grinder (max speed 7 000 rpm) BSGB Belt size 35 x 450 mm	52 630 02	G28	—	—	1,550
BSG 10/50	Belt grinder (max. speed 7 000 rpm) BSGB Belt size 50 x 450	52 630 01	G28	—	—	1,590
FH 12	Straight die grinder (max. speed 18 000), collet 12 mm	48 265 01	G28	—	—	0,510
WI 10 (1,3:1)	Angle grinder (max speed 17 000 rpm), collet 6 mm, gear ratio 1,3:1	57 645 03	G28	—	—	0,560
FH 10	Straight die grinder (max. speed 25 000), collet 6 mm	57 170 01	G28	—	—	0,560
WI 7 (1,3:1)	Angle grinder (max speed 17 000 rpm), collet 6 mm, gear ratio 1,3:1	57 645 01	G22	—	—	0,570
FH 7	Straight die grinder (max. speed 25 000), collet 6 mm	49 530 01	G22	—	—	0,515
WI 4 (2,7:1)	Angle for max. 25 000, spindle M 14, Gear ratio 2,7:1	49 608 04	G22	—	—	0,660
FH 4	Straight die grinder (max. speed 40 000), collet 3 mm	57 570 01	G16	—	—	0,135
WI 4 (1:1)	Angle grinder (max speed 20 000 rpm), collet 3 mm, gear ratio 1:1	57 661 01	G16	—	—	0,210

Belt grinders for WI 4, WI 7, WI 10 can be found on page 33.



ROTOSET

MINIFIX

NA 10 x 2000 DIN 10/G28

Order Nr. 30 026 03

NA 7 x 2000 DIN 10/G22

Order Nr. 49 790 01

NA 4 x 1250 DIN 10/G16

Order Nr. 30 002 02

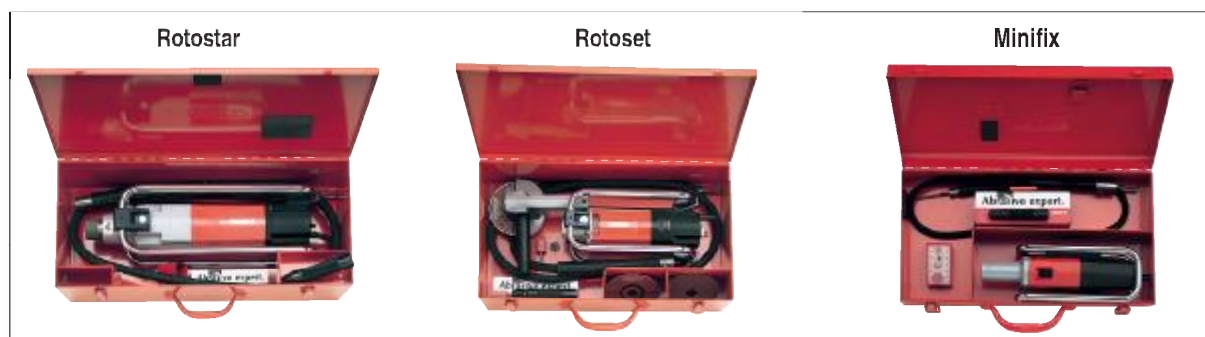
WI 7 (1,3:1)

FH 7

WIG 7 (2,7:1)

FH 4

WI 4 (1:1)



Rotostar

Rotaset

Minifix

Rotostar Kit

- High performance grinder with double insulated motor, suitable for all household power outlets or use with generators.
- Heavy duty work even in hard-to-reach areas.
- Softstart.
- Motor frame protects tool in all positions.

Order Nr. 110 143

Complete Rotostar Kit:

Consist of: Universal, double insulated 1-phase electric motor, 3-speed gear box (3000, 6000, 12000, rpm), 3 m power cord and plug, with flexible shaft NA 10 x 2000 mm DIN 10/G 28, straight hand piece with 6 mm collet, set of wrenches, robust metal carrier case.

Rotaset Kit

- Powerful universal, double insulated electric drive motor.
- Multi-purpose unit with large selection of attachments.
- Constant speed even under full load.

Order Nr. Rotaset 28: 110 157, Rotaset 25-R: 110 159

Complete Rotaset Kit:

Consists of: Universal electric drive motor in sturdy frame, with suspension hook, 3 m power cord and plug, Flexible shaft NA 7 x 2000 mm, DIN 10/G22, straight hand piece FH7 with 6 mm Collet, Angle grinder WIG 7 (gear ratio 2.7:1), wheel guard and flange set for 115 mm $\varnothing$ grinding and cutting wheels. 115 mm grinding and cutting wheel, wire cup brush TDB 70, 70 mm, Mounted points AR-O A 1325 V, A 2025 V, B 2006 V, Backing pad Type FSS 1110. Two each fiber discs Type KFS 115 ST, grit 60 & 120, 1 set of wrenches, sturdy metal case.

Minifix Kit

- Light weight and compact, guarantees work without operators fatigue.
- Noise suppressed machine for delicate work.
- Easy to handle hand pieces for optimal work performance.

Order Nr. Minifix 28: 110 155, Minifix 25-R: 110 153

Complete Minifix Kit:

Double insulated 1-phase electric drive unit, 3 m power cord and plug, flexible shaft NA4 x 1250 mm DIN/G16, straight hand piece FH 4 with 6 mm collet, Set of accessories: 1 each HSS burr (HSS G 0615 F), vitrified mounted point K 0816 V, B 1303 V, F 0808 V, polishing bob FPB 1208, set of wrenches and metal case.

Flexible Shaft Grinders/Polishers With Gearbox – Three Phase



ROTOFIX



Versatility In Every Gear

Speed Range: 750, 1400, 3000,
6300, 11000 min⁻¹

G28

ROTOFIX F G28

Order Nr. 110 007 (400 V, 50 Hz, 3 Ph, 0,5 kW, 11,5 kg)

- 5-speed gearbox drive, heavy duty flexible shaft grinder/polisher.
- Dust sealed and air cooled three phase 500 W (0.67 hp) induction motor.
- Multi-purpose unit with extensive selection of **SUHNER** accessories.



DIN10

ROTOFIX F DIN10

Order Nr. 110 008 (400 V, 50 Hz, 3 Ph, 0,5 kW, 11,5 kg)



ROTOFERA



The Right Speeds and Power for Most Applications

Speed Range: 850, 1600, 2100,
3200, 5700, 8000
and 12 000 rpm

G28

ROTOFERA F G28

Order Nr. 110 019
(400 V, 50 Hz, 3 Ph, 1,0 kW, 16,8 kg)

- Most widely used flexible shaft grinder in the world.
- 7-speed gearbox can be used in 28 different speeds, with optional speed increaser RG or speed reducer RZ 5.
- Virtually maintenance free dust sealed. Air cooled 1000 Watt (1.34hp) three phase induction motor.
- Rugged design, built for long service life.



DIN10

ROTOFERA F DIN10

Order Nr. 110 020 (400 V, 50 Hz, 3 Ph, 1,0 kW, 16,8 kg)



ROTAR

Best Speeds and Power for Heavy Jobs

Speed Range: 1000, 1700, 2700,
5100, 7300 and 13500 rpm

- Most economical heavy duty grinder available.
- 6-speed gearbox, extremely high torque transmission.



DIN15

ROTAR STM DIN15

Order Nr. 110 031 (400 V, 50 Hz, 3 Ph, 2,4 kW, 50,5 kg)

All machines are supplied without plugs.
Suitable plugs need to be installed by a specialist.

Quality flexible shafts from the world leader

- Separating the hand piece from the weight of the drive unit drastically reduces operator's fatigue even in continuous operation, increasing productivity.

NA 4 x 1250 G28/G16

Order Nr. 30 001 02

NA 7 x 1500 G28/G22

Order Nr. 30 009 02

NA 4 x 1250 DIN10/G16

Order Nr. 30 002 02

NA 7 x 1500 DIN10/G22

Order Nr. 30 007 02

- Flexible shafts are clean and quiet in operation.
- Highest quality guarantees long service life and minimum maintenance.
- Flexible shafts and hand pieces can be changed quickly for maximum versatility.
- Ideally suited for operations in areas which are difficult to reach with standard portable power tools.



NA 10 x 1500 G28/G28

Order Nr. 30 015 02

NA 12 x 2000 G28/G28

Order Nr. 30 028 02

NA 10 x 1500 DIN10/G28

Order Nr. 30 026 02

NA 12 x 2000 DIN10/G28

Order Nr. 30 029 02



NA 12 x 2000 DIN15/G28

Order Nr. 30 030 02

NA 15 x 2000 DIN15/G35

Order Nr. 30 032 02

G16

G22

G22

G28

G35

WB 4
Best-Nr. 110 220

FH 4 (6 mm)
Order Nr. 57 570 01

WI 4 (3 mm)
Order Nr. 57 661 01

FH 7 (6 mm)
Order Nr. 49 530 01

WI 7 (6 mm)
Order Nr. 57 645 01

WIG 7 (M14)
2,7 : 1
max. 25 000 min⁻¹
Order Nr. 49 608 04

WB 7 (6 mm)
Order Nr. 110 221

FH 10 (6 mm)
Order Nr. 57 170 01

WB 10
Order Nr. 110 222

WI 10 (6 mm)
Order Nr. 57 645 03

FH 12 (12 mm)
Order Nr. 48 265 01

FSM 1:1 (M14)
max. 8000 min⁻¹
Order Nr. 57 891 01

BSG 10/50 max. 7000 min⁻¹
Order Nr. 52 630 01

FH 15 (12 mm)
Order Nr. 10 331 01

WH 12 (MK1)
Order Nr. 10 330 01

WH 15 (MK2)
Order Nr. 10 340 01

ROTOMAX 1,5

Flexible, space-saving, strong as an ox





ROTOMAX 1,5 F
Order Nr. 110 205 (230 V, 50 Hz, 1 Ph) 27,4 kg

- Continuously variable speed regulation via keypad.
- Speed gauge in LED display.
- Speeds: 500 to 15,000 rpm.
- Soft start/integrated brake.
- Available with foot (F), with trolley (STM) or as suspended version (HM)

	WB 4 Order Nr. 110 220		
	FH 4 (6 mm) Order Nr. 57 570 01		
	WI 4 (3 mm) Order Nr. 57 661 01		
			WIG 7 (M14) 2,7:1 max. 25 000 rpm Order Nr. 49 608 04
			WB 7 (6 mm) Order Nr. 110 221
			FH 7 (6 mm) Order Nr. 49 530 01
			WI 7 (6 mm) Order Nr. 57 645 01
			WI 7-45° (6 mm) Order Nr. 57 662 01
			FH 10 (6 mm) Order Nr. 57 170 01
			WI 10 (6 mm) Order Nr. 57 645 03
			WI 10-45° (6 mm) Order Nr. 57 662 03
			WB 10 Best.-Nr. 110 222

	FSM 1:1 Order Nr. 57 891 01	
	FH 12 (12 mm) Order Nr. 48 265 01	
	BSG 10/50 Bestell.-Nr. 52 630 01	

DIN 10	NA 4 x 1250 DIN10/G16 Order Nr. 30 002 02	G16
	NA 7 x 1500 DIN10/G22 Order Nr. 30 007 02	G22
	NA 10 x 2000 DIN10/G28 Order Nr. 30 026 03	G28
	NA 12 x 2000 DIN10/G28 Order Nr. 30 029 02	G28

NEW

ROTOMAX 3,5 *The star of Grinding Machines*



ROTOMAX STM 3,5 kW

Order Nr. 110 204
(400 V, 50 Hz, 3 Ph) 70 kg

- Variable speed button control selector.
- Speed gauge in LED display.
- Speed range with DIN 10 flexible shaft connection, 500 to 25 000 rpm.
- Speed range with DIN 15 flexible shaft connection, 500 to 10 000 rpm.
- Soft start, with built-in brake.
- Time saving due to simplified drive change.
- Dolly with tray for shafts and tools.

DIN 10

DIN 15

NA 4 x 1250 DIN10/G16

Order Nr. 30 002 02

WB 4

Order Nr. 110 220

FH 4 (6 mm)

Order Nr. 57 570 01

WI 4 (3 mm)

Order Nr. 57 661 01

G16

FH 10 (6 mm)

Order Nr. 57 170 01

WI 10 (6 mm)

Order Nr. 57 645 03

WB 10

Best.-Nr. 110 222

NA 7 x 1500 DIN10/G22

Order Nr. 30 007 02

FH 7 (6 mm)

Order Nr. 49 530 01

WI 7 (6 mm)

Order Nr. 57 645 01

WIG 7

(M14) 2,7 : 1
max. 25 000 min⁻¹
Order Nr. 49 608 04

WB 7 (6 mm)

Order Nr. 110 221

G22

FH 12 (12 mm)

Order Nr. 48 265 01

FSM 2:1 (M14)

Order Nr. 57 891 06

for discs
Ø 178 mm,
max. 8000 rpm

BSG 10/50

Order Nr. 52 630 01

NA 10 x 1500 DIN10/G28

Order Nr. 30 026 02

G28

NA 12 x 2000 DIN15/G28

Order Nr. 30 030 02

G28

NA 15 x 2000 DIN15/G35

Order Nr. 30 032 02

G35

BSG 15/63

Order Nr. 10 635 01

FH 15 (12 mm)

Order Nr. 10 331 01

WH 12 (MK1)

Order Nr. 10 330 01

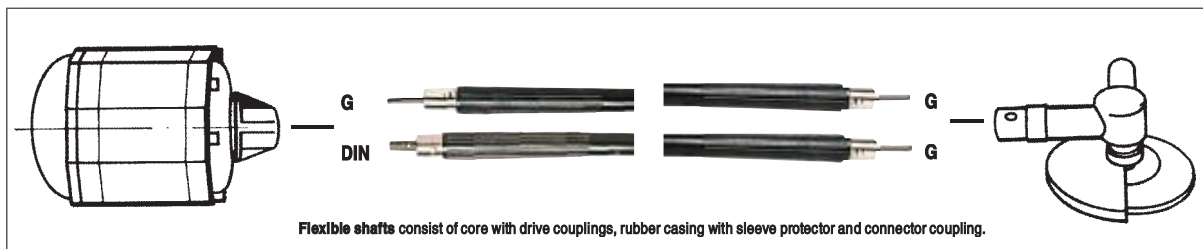
WH 15 (MK2)

Order Nr. 10 340 01

SAM 1:1 (M14)

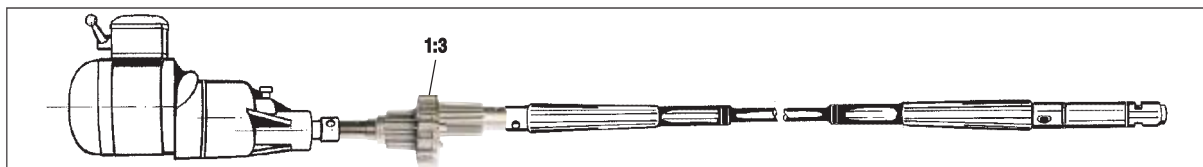
Order Nr. 10 443 01

Flexible shafts And Accessories



Type	Coupling		Flexible shaft	Core	Max. recomm. speed (rpm)	Weight kg	Core with coupling		Casing with coupling	
	Motor drive	Tool end	Order Nr.	Ø x length (mm)			Order Nr.	kg	Order Nr.	kg
NA 4 x 1250	G28	G16	30 001 02	4 x 1250	40000	0,500	30 034 01	0,120	30 036 02	0,330
NA 4 x 1250	DIN10	G16	30 002 02	4 x 1250	40000	0,450	30 038 01	0,120	30 039 02	0,330
NA 7 x 1500	G28	G22	30 009 02	7 x 1500	20000	1,250	30 041 01	0,400	30 040 02	0,850
NA 7 x 1500	DIN10	G22	30 007 02	7x 1500	20000	1,250	30 043 01	0,400	30 042 02	0,850
NA 7 x 2000	DIN10	G22	49 790 01	7 x 2000	25000	1,700	49 791 01	0,600	49 792 01	1,100
NA 10 x 1500	G28	G28	30 015 02	10 x 1500	15000	2,100	30 045 01	0,700	30 046 02	1,400
NA 10 x 1500	DIN10	G28	30 026 02	10 x 1500	15000	2,050	30 048 01	0,650	30 049 02	1,400
NA 10 x 1500	DIN15	G28	30 027 02	10 x 1500	15000	2,100	30 051 01	0,700	30 052 02	1,400
NA 10 x 2000	G28	G28	30 015 03	10 x 2000	15000	2,500	30 045 02	0,950	30 046 03	1,550
NA 10 x 2000	DIN10	G28	30 026 03	10 x 2000	15000	2,500	30 048 02	0,950	30 049 03	1,550
NA 10 x 2000	DIN 15	G28	30 027 03	10 x 2000	15000	2,500	30 051 02	0,950	30 052 03	1,550
NA 12 x 2000	G28	G28	30 028 02	12 x 2000	12000	3,850	30 054 01	1,300	30 055 02	2,550
NA 12 x 2000	DIN10	G28	30 029 02	12 x 2000	12000	3,750	30 057 01	1,300	30 056 02	2,450
NA 12 x 2000	DIN15	G28	30 030 02	12 x 2000	12000	3,800	30 059 01	1,300	30 060 02	2,500
NA 12 x 2000	DIN15	G35	30 031 02	12 x 2000	12000	3,850	30 062 01	1,350	30 063 02	2,500
NA 12 x 2500	DIN10	G28	49 952 01	12 x 2500	12000	4,000	49 953 01	1,600	49 954 01	2,900
NA 15 x 2000	DIN15	G35	30 032 02	15 x 2000	8000	5,250	30 065 01	2,000	30 066 02	3,750
NA 15V x 2000	DIN15	G35	48 236 01	15 x 2000	8000	5,250	30 065 01	2,000	48 237 01	5,450
NA 20 x2500	DIN15	G35	30 025 01	20 x 2500	5000	9,450	30 070 01	4,000	30 069 01	5,450

Accessoires	Type	Order Nr.	Connection	Max. rpm	Ø x length (mm)	Description and application	Weight kg
	ISK 10	10 783 01	2 x DIN 10	15 000	Ø 43 x 76	Insulating coupling to be mounted between motor and flexible shaft, required if water is used.	0,092
	ISK 15	10 782 01	2 x DIN15	15 000	Ø 43 x 76		0,220
	RG	10 510 01	2x G28	12000 (1 : 3)		Speed increaser 1:3, to be mounted on motor side, specially for deburring work.	1,350
		10 510 03	2x DIN10	12000 (1 : 3)			1,300



Expert shafts

High-tech for handymen



Expert shafts

- Shafts from the **SUNNER**-standard range: high-tech for handymen.
- Flexible grinding using a drill: easily connected to any handheld or table-mounted drill thanks to the cylindrical mandrel (on motor).
- Lightweight and extremely flexible for speeds up to 25,000 rpm.
- Comes with drill chuck as standard (SKG 4 with 6-mm collet).

Type	Order Nr.	Max. MOS rpm	Inner core ∅ x length	Outer casing	Bearing both ends	∅ Chuck	mm	Weight kg
BGP 6	907 630	3500	6 x 1250	Metal/plastic	Bronze bearing	Chuck	0,5 ... 6	0,920

Type	Order Nr.	Max. MOS rpm	Inner core ∅ x length	Outer casing	Bearing both ends	∅ Chuck	mm	Weight kg
BKP 6	907 631	10 000	6 x 1250	Metal/plastic	Ball bearing	Chuck	0,5 ... 8	0,940

Type	Order Nr.	Max. MOS rpm	Inner core ∅ x length	Outer casing	Bearing both ends	∅ Chuck	mm	Weight kg
SKG 4	60 541 01	25 000	4 x 1250	Metal/rubber	Ball bearing	Collet	6 ∅	1,000
	60 547 01	Ersatzwellenseele						0,100

Accessoires	Type	Order Nr.	Description and application			Weight kg
	BF 6	49 689 01	0,5–6 mm	Spare bearing (M 8 x 0,75)	für BGP 6	0,080
	BF 8	49 689 02	0,5–8 mm		für BKP 6	0,080
	SPZ	50 325 03	3 mm	Precision collet for SKG 4		0,012
		50 325 01	6 mm			0,012
		50 325 04	1/8"			0,012
		50 325 02	1/4"			0,012
	ADP 14	49 689 05	M14	Adapter for angle grinder		0,080
	BGP 6-Set	900 800	The complete set with flexible shaft BGP 6 and a selection of abrasive tools: lea. round steel wire wheel RDBS 30/6 ST, flap wheel FSW 3010, ceramically (vitrified) bonded mounted point A 1620 V, resin bonded mounted point A 2025 B, felt polishing bob FPK 2025.			1,020
	BKP 6-Set	900 801	The complete set with flexible shaft BGP 6 and a selection of abrasive tools: lea. round steel wire wheel RDBS 30/6 ST, flap wheel FSW 3010, ceramically (vitrified) bonded mounted point A 1620 V, resin bonded mounted point A 2025 B, felt polishing bob FPK 2025.			1,040



Abrasive belt sanders

Flexible and precise



UBK 6-R

- High-performance electric belt sander for large-surface application.
- Continuously adjustable from 2800 to 6000 rpm.
- Available in two widths for belts BSGB 35/450 mm and BSGB 50/450 mm.

UTG 9-R

- Handy electric pipe belt sander.
- 220° belt wrap-around.
- For sanding pipes up to 70 mm diameter.
- Digital control electronics.
- Soft start: preserves motor and tools.

UTC 7-R

- High-performance compact belt sander.
- 180° belt wrap-around.
- For sanding pipes up to 45 mm diameter.
- Digital control electronics.
- Soft start: preserves motor and tools.

LBH 7

- High-performance compressed-air belt sander meets the highest demands.
- Particularly suitable for large-surface application.
- Available in two widths for belts BSGB 35/450 mm and BSGB 50/450 mm.

Electric belt sanders	Type	Description	Order Nr.	Speed No-Load rpm	Voltage	Power	For belt	Belt speed
	UBK 6-R	Electric belt sander (adjustable)	111 217	2800–5800 min ⁻¹	230 V	1530 W	BSGB 50/450	14,7–31 m/s
	UTG 9-R	Electric belt sander (adjustable)	111 212	4000–9000 min ⁻¹	230 V	1050 W	BSGB 30/610	7–15,5 m/s
	UTC 7-R	Electric belt sander (adjustable)	111 157	3000–7000 min ⁻¹	230 V	500 W	BSGB 30/533	4,5–11 m/s

Compressed-air belt sander	Type	Description	Order Nr.	Speed No-Load rpm	Air consumption m ³ /min	Power	For belt	Belt speed
	LBH 7 D 35	Compressed-air belt sander	112 009	7000 min ⁻¹	0,860	1000 W	BSGB 35/450	36,7 m/s
	LBH 7 D 50		112 010		0,860		BSGB 50/450	





UBC 10-R

- High-performance compact belt sander
- Variable belt speeds, continuously adjustable from 4000 to 10000 rpm
- Attachable belts: length 520 mm, available in widths 3, 6, 12, 16 and 19 mm.

LBC 16 H

- Compact compressed-air belt sander with 320 W output.
- Various contact arms available.
- Easy-to-change contact arms and easy belt adjustment.

LBB 20 DH

- 220 W compressed-air belt sander, lightweight and handy.
- Various contact arms available.
- Easy-to-change contact arms and easy belt adjustment

WB 10

- Handy belt sander attachment for flexible-shaft machine.

BSG 10/50

- Belt sander attachment with G 28 connection for work with flexible shaft.

FTM

- Mobile pipe belt – comfortable and quick sanding using flexible shaft and FTM.

Abrasive belt sanders	Type	Description	Order Nr.	Max. rpm / drive	Voltage	Air consumption	Output	Flex. shaft attachment	For belt	Belt speed
	UBC 10-R	Electric belt sander (adjustable)	111 111	4000–10 000 min ⁻¹	230 V	–	500 W	–	BSGB 6/520 BSGB 12/520	6,5–15,5 m/s
	LBC 16 H	Compressed-air belt sander	112 008	16 000 min ⁻¹	–	0,660 m ³ /min	370 W	–	BSGB 6/520 BSGB 12/520	25,2 m/s
	WB 10	Belt sander for flexible shaft	110 222	17 100 min ⁻¹	–	–	–	G 28	BSGB 6/520 BSGB 12/520	variabel
	WB 7	Belt sander for flexible shaft	110 221	17 100 min ⁻¹	–	–	–	G 22	BSGB 6/520 BSGB 12/520	variabel
Contact arms	Type		Order Nr.		Roll size		Roll shape		For belt	
	KA 16/4	(included in the above sanders)	57 620 03		16 x 4				BSGB 6/520	
	KA 16/9		57 620 02		16 x 9				BSGB 12/520	
	KA 19/12		57 620 04		19 x 12				BSGB 16/520	
	KA 25/1,5		57 620 06		25 x 1,5				BSGB 3/520	
	KAK 25/9		57 620 01		25 x 9				BSGB 6/520, BSGB 12/520	
	KAK 23/18		57 620 05		23 x 18				BSGB 19/520	

Abrasive belt sanders	Type	Description	Order Nr.	Max. rpm / drive	Voltage	Air consumption	Output	Flex. shaft attachment	For belt	Belt speed
	LBB 20 DH	Compressed-air belt sander	112 007	20 000 min ⁻¹	–	0,520	220 W	–	BSGB 6/305 BSGB 12/305	21 m/s
	WB 4	Belt sander for flexible shaft	110 220	20 000 min ⁻¹	–	–	–	G 16	BSGB 6/305 BSGB 12/305	variabel
Contact arms	Type		Order Nr.		Roll size		Roll shape		Suitable belt	
	KAK 16/4	(included in the above sanders)	59 162 03		16 x 4				BSGB 3/305, BSGB 6/305	
	KAK 16/9		59 162 02		16 x 9				BSGB 6/305, BSGB 12/305	
	KAK 25/1,5		59 162 06		25 x 1,5				BSGB 3/305	
	KAK 25/9		59 162 01		25 x 9				BSGB 6/305, BSGB 12/305	
	KAK 9/9		59 162 07		9 x 9				BSGB 6/305, BSGB 12/305	

	Type	Description	Order Nr.	Attachment	For belt	for
	FTM	Pipe belt sander for flexible shaft	110 223	G 28	BSGB 30/610	Rotofera, Rotomax 1,5
	BSG 10/50	Belt sander for flexible shaft	52 630 01	G 28	BSGB 50/450	Rotostar, Rotofera, Rotar, Rotomax
	BSG 10/35	Belt sander for flexible shaft	52 630 02	G 28	BSGB 35/450	Rotostar, Rotofera, Rotar, Rotomax



Welded structural steels
39 890 51



Grinding work on professional grills
39 890 31



Polishing railings and stair cases
39 890 41



Repair of aircraft engine parts
39 890 61



Natural stone grinding/polishing
39 890 71



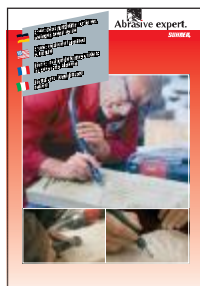
Aluminum castings
39 890 81



Stainless steel decorative finishes
39 890 91



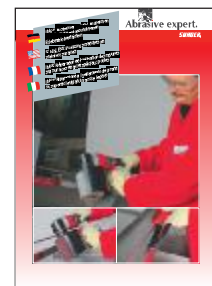
Stainless steel mirror finishing
39 891 11



Stone carving
39 891 21



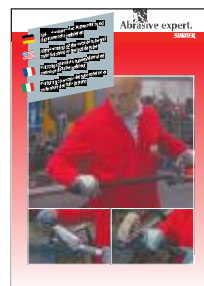
Brass polishing
39 891 31



Notch repair
39 891 41



Smoothing surface finishes
39 891 51



Pipe polishing
39 891 61



Inner corners
39 891 71



Plastic cutting
39 891 81



Glass cutting
39 891 91

Anwendungsbeispiele

In order to facilitate your work, we have gathered solutions to common surface problems together with our customers. Simply request the documentation of the application best suited for your individually required solution.

We are continually expanding our application documentation to meet your requirements.

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We're still there for you after your purchase: our Service Center has its own warehouse and guarantees supply within good time – quotes available upon request.



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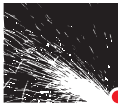
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