SUHNER®
ABRASIVE

1/2024 EN

Abrasives

SUHNER®
ADVANCED COMPONENT CREATION

Locations worldwide

SUHNER®

An enterprise, strong as its tradition.

Your partner in the production of high-quality metal components – to strengthen your competitive edge.

Suhner ABRASIVE

- We are an independent manufacturer of machines and tools for metallic surface finishing.
- We develop our own motors/flange-mounted motors and manufacture them at our production facilities.
- We focus on our target markets, and our autonomy enables us to adapt engines and tools to their requirements.
- We attach considerable value to ecological, sustainable production processes as well asenergy-efficient and ergonomic tools.

Your benefit – your competitive edge

- You increase your cost effectiveness, promote lean processes, and achieve high quality.
- You optimise your work processes thanks to a wide range of machines, abrasive materials and milling applications.
- You create capacity through straightforward logistics interfaces, supported by digitalised systems.
- You achieve improved grinding patterns according to requirements, thanks to high-quality tools.
- You support your employees with ergonomic machines and take care of the environment as you use the energy-efficient machines developed by us.

Our service – SUHNER@Work

- Personal advice and testing of tools on site to achieve required grinding patterns at optimum costs.
- Servicing and repair of our machines as well as a spare part service.

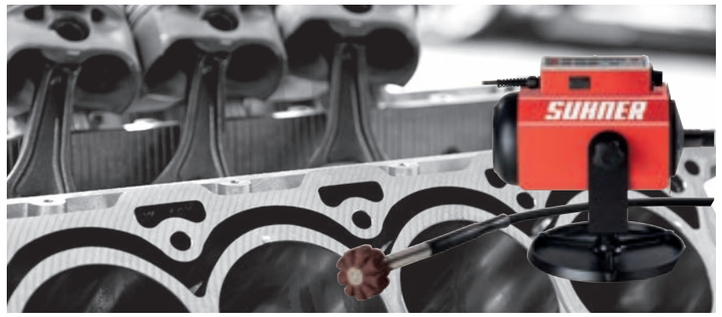
Your competitive edge

Suhner ABRASIVE has more than 100 years of experience and expertise in grinding and polishing processes, as well as the development and production of electric motors.

Business Segments Suhner ABRASIVE

Aircraft Industry

Mould Construction and Pressure Die Casting

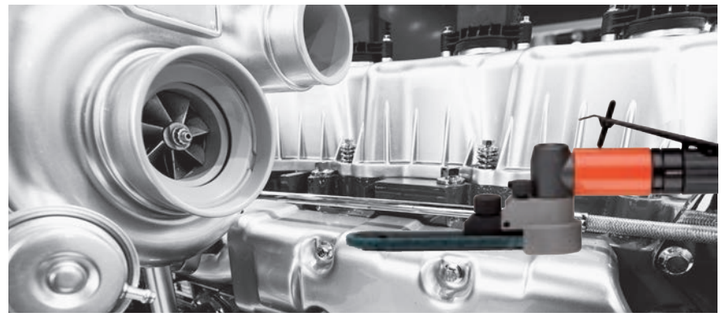


Metal Construction / Work on Stainless Steel

Food industry / BioTech / Pharmaceuticals

Power plants

Automotive



Medicine

Decode the combinations of machines and abrasives at optimised process costs

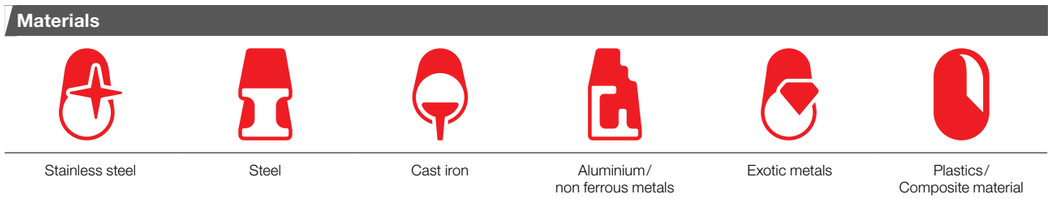
Understand the potential and combine the best machine with the optimum abrasive to improve the grinding result while reducing costs.

Suhner offers complete solutions through a coordinated range of machines and abrasives for the highest demands. Our grinding tools are designed for the process optimisation of all types of abrasive surface treatment.

This catalogue is intended to support you in your daily work, in the choice of machine, abrasives and their use.

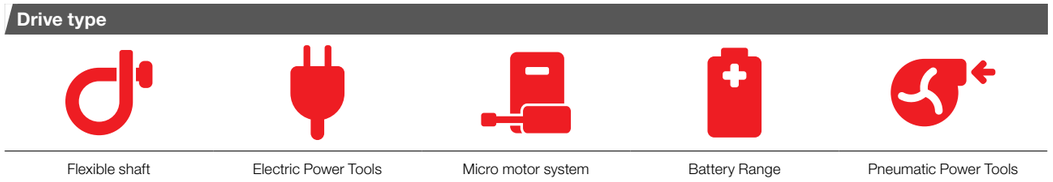
Symbols for the materials

The areas in which grinding tools can be used are shown using the following material symbols, with suitability shown in descending order from left to right.



Symbols for the machines

The various drive types are marked with the following symbols.



The machine details marked with LWB, UPG or LSA, for example, can be found in the respective machine chapter.

- The abrasives are listed with their short name and image. Further information can be found in the following chapters on abrasives.
- Besides the optimum abrasives, you will also find suitable grinding tools.
- The tables provide information on the optimum speed in relation to the material and cost optimisation.
- The symbol indicates the maximum speed which must not be exceeded for safety reasons.

SUHNER@Work

Of course, our technical consultant in the field with the demo vehicle is also at your disposal for product and application advice.
You are welcome to arrange an appointment online via our website:
suhner-abrasive.com/services/support

Machine/abrasive matrix

Grinding tools for angle grinders

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 **TURBO/SUPREME DISC**	Cutting	60	50	80	80	12	12	**80**
	 **MAGIC DISC**	Roughening	60	50	80	80	12	12	**80**
	 **BVSS**	Roughening, coarse grinding	60	40	–	–	12	12	**80**
	 **LFS/LFT VA, CE**	General grinding and deburring	60	40	80	80	12	12	**80**
	 **BD**	Cleaning, descaling	40	40	40	40	12	12	**60**
	 **FVOT**	Cleaning, descaling	40	40	40	40	12	12	**60**
	 **SUN-Press®**	Cleaning, gloss finishing, deburring	40	40	–	–	12	12	**60**
	 **DRS**	Removing scale	40	–	40	40	12	–	**60**
	 **KFS CE II, CE, VA, AL**	General planing	60	50	80	80	12	12	**80**
	 **TZS-K, KFS-K**	General planing	40	30	60	60	12	12	**60**

Tool dia./max. RPM/minimum power required														Drive type					
mm	10	20	30	40	50	75	100	115	125	150	180	200	230						
min^{-1}					30 000	20 200		13 300	12 200	10 200	8 600		6 600	▸ UWG ▸ UWK	–	▸ LWB ▸ LWC ▸ LWE ▸ LWG ▸ LWH	▸ WI ▸ WIG ▸ FSM ▸ SAM	–
kW					0,3	0,7		1	1,5		2		3						
min^{-1}									12 200	10 200	8 600			▸ UWG ▸ UWK	–	▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW					0,3	0,7		1	1,5		2		3						
min^{-1}								13 300						▸ UWG ▸ UWK	–	▸ LWE ▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW					0,3	0,7		1	1,5		2		3						
min^{-1}								13 300	12 200					▸ UWG ▸ UWK	–	▸ LWE ▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW					0,3	0,7		1	1,5		2		3						
min^{-1}								12 000						▸ UKC ▸ UWG ▸ UWK	▸ AKC	▸ LWE ▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW					0,3	0,7		1	1,5		2		3						
min^{-1}								10 000	9 000					▸ UKC ▸ UWG ▸ UWK	▸ AKC	▸ LWE ▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW					0,3	0,7		1	1,5		2		3						
min^{-1}								10 000						▸ UKC ▸ UWG ▸ UWK	▸ AKC	▸ LWE ▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW					0,3	0,7		1	1,5		2		3						
min^{-1}								13 300	12 200					▸ UWG ▸ UWK	–	▸ LWE ▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW		0,3				0,7		1	1,5		2		3						
min^{-1}								13 200	12 200		8 600			▸ UWG ▸ UWK	–	▸ LWE ▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW		0,3				0,7		1	1,5		2		3						
min^{-1}								10 000	10 000					▸ UWG ▸ UWK	–	▸ LWE ▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW		0,3				0,7		1	1,5		2		3						

Grinding tools for angle grinders

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 **FVVS-K**	Cleaning, descaling, refining	30	20	60	60	12	12	**40**
	 **RDBZ**	Cleaning, descaling, removing paint, roughen	60	–	60	60	–	–	**80**
	 **TDB**	Cleaning, descaling, removing paint, roughen	25	–	35	35	–	–	**35**
	 **TDBZ**	Cleaning, descaling, removing paint, roughen	25	–	35	35	–	–	**35**
	 **FPS-LFS**	General high-gloss polishing	30	30	–	30	–	–	**50**

Tool dia./max. RPM/minimum power required														Drive type				
mm	20	40	50	60	70	75	100	115	125	150	180	200	230					
min⁻¹								8 000	8 000		6 000			▸ UWG ▸ UWK	–	▸ LWE ▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW			0,3			0,7		1	1,5		2		3					
min⁻¹								11 000						▸ UWG ▸ UWK	–	▸ LWE ▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW			0,3		0,7			1	1,5		2		3					
min⁻¹				11 000	10 000									▸ UWG ▸ UWK	–	▸ LWE ▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW				0,5	0,7		1											
min⁻¹					11 000		8 500							▸ UWG ▸ UWK	–	▸ LWE ▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW				0,5	0,7		1											
min⁻¹									7 700					▸ UWG ▸ UWK	–	▸ LWE ▸ LWG ▸ LWH	▸ WIG ▸ FSM ▸ SAM	–
kW									1,5									

Hook & Loop discs for palm sanders

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 **KPS-K AL**	General planing and removing paint	35*	35*	35*	35*	35*	12*	**35***
	 **KPS-K VA**	General planing and removing paint	35*	35*	35*	35*	35*	12*	**35***
	 **KPS-K CE II**	High-performance planing and removing paint	35*	35*	35*	35*	35*	12*	**35***
	 **OPN PLUS**	General planing and removing paint	35*	35*	35*	35*	35*	12*	**35***
	 **FVBG-S**	General matt finishing	20*	20*	20*	20*	20*	12*	**20***

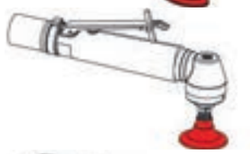
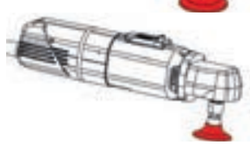
Tool dia./max. RPM/minimum power required														Drive type				
mm	10	20	30	40	50	75	100	115	125	150	180	200	230					
min⁻¹										12 000				–	–	▸ LOB	–	–
kW					0,2					0,3								
min⁻¹										12 000				–	–	▸ LOB	–	–
kW					0,2					0,3								
min⁻¹										12 000				–	–	▸ LOB	–	–
kW					0,2					0,3								
min⁻¹										12 000				–	–	▸ LOB	–	–
kW					0,2					0,3								
min⁻¹										8 000				–	–	▸ LOB	–	–
kW					0,2					0,3								

*Cutting speed figures refer to concentric spindles (angle grinders). 35 m/s corresponds to approximately 12000 rpm of the palm sander. Reduce the rpm for lower cutting speeds.

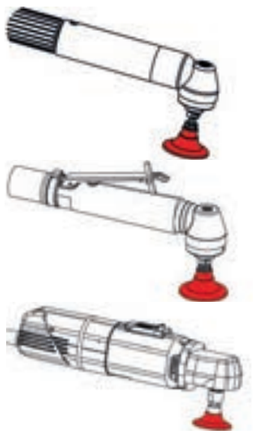
Abrasive discs for fillet weld grinders

Motors	Abrasives	Applications	Optimal cutting speed							Tool dia./max. RPM/minimum power required														Drive type				
									max.	mm	10	14	19	25	50	75	100	115	125	140	150	175	200					
			m/s																									
	 **BVSB**	Coarse grinding	28	12	–	–	12	12	48	min^{-1}						12 000					6 000			▸ UBC ▸ UKC	▸ ABC ▸ AKC	▸ LBC	▸ WB ▸ FH ▸ WI	–
										kW		0,2				0,3					0,5		1×				
	 **SUN-Press®**	Deburring, refining	25	12	–	–	12	12	48	min^{-1}					18 000	12 000					6 000			▸ UBC ▸ UKC	▸ ABC ▸ AKC	▸ LBC	▸ WB ▸ FH ▸ WI	–
										kW					0,3						0,5		1×				
	 **BDS, BDR**	Cleaning, descaling	15	12	–	–	12	12	48 – 80	min^{-1}					30 000	20 000					6 000			▸ UBC ▸ UKC	▸ ABC ▸ AKC	▸ LBC	▸ WB ▸ FH ▸ WI	▸ SMH ▸ SMA-SMH ▸ ZX 55 ▸ UM-UT
										kW		0,2									0,5		6×				
	 **FVBG-S**	Refining	12	12	–	–	12	12	25	min^{-1}					11 000	8 000					4 000		3 000	▸ UBC ▸ UKC	▸ ABC ▸ AKC	▸ LBC	▸ WB ▸ FH ▸ WI	–
										kW					0,3						0,5		1×				

Quick change system SUN-fix

Motors	Abrasives	Applications	Optimal cutting speed							Tool dia./max. RPM/minimum power required														Drive type				
									max.	mm	10	14	19	25	40	50	60	75	100	125	150	175	200					
			m/s																									
	 **VA/ST, VA, CE II, AL, SC**	General grinding on small areas	40	30	40	40	12	12	50	min^{-1}			20 000	20 000		20 000		12 000						▸ UWC	–	▸ LWB ▸ LPB ▸ LWC ▸ LVB ▸ LVC	▸ WI	–
										kW		0,2		0,3				0,5										
	 **FVVS**	Deburring, fine grinding, cleaning, refining	30	20	–	–	12	12	50	min^{-1}			20 000	20 000		20 000		12 000						▸ UWC	–	▸ LWB ▸ LPB ▸ LWC ▸ LVB ▸ LVC	▸ WI	–
										kW		0,2		0,3				0,5										
	 **FVBS**	Gentle cleaning, refining	30	20	–	–	12	12	50	min^{-1}				20 000		20 000		12 000						▸ UWC	–	▸ LWB ▸ LPB ▸ LWC ▸ LVB ▸ LVC	▸ WI	–
										kW		0,2		0,3				0,5										
	 **SUN-Press®**	Fine deburring and grinding, refining	30	25	–	–	12	12	50	min^{-1}						20 000		12 000						▸ UWC	–	▸ LWB ▸ LPB ▸ LWC ▸ LVB ▸ LVC	▸ WI	–
										kW		0,2		0,3				0,5										

Quick change system SUN-fix

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 **BVSB**	Fine grinding	28	30	–	–	12	12	50
	 **LFS, LFS-F**	General grinding	40	30	50	50	12	12	50
	 **FVOS**	Cleaning, removing paint, descaling	30	–	34	34	12	12	30
	 **FSB**	Line and high-gloss polishing	30	30	30	30	12	12	50

Abrasive belts for belt sanders

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 **BSGB ZK, CE, CE II**	Coarse grinding	30	15	30	30	10	10	40
	 **BSGB AO, TZ, CG**	Fine grinding	30	15	20	20	10	10	40
	 **BSGB FVV**	Refining	24	15	–	30	10	10	30

Tool dia./max. RPM/minimum power required														Drive type					
mm	10	14	19	25	40	50	60	75	100	125	150	175	200						
min^{-1}						20 000		12 000						▸ UWC	–	▸ LWB ▸ LPB ▸ LWC ▸ LVB ▸ LVC	▸ WI	–	
kW		0,2		0,3				0,5											
min^{-1}						20 000		12 000						▸ UWC	–	▸ LWB ▸ LPB ▸ LWC ▸ LVB ▸ LVC	▸ WI	–	
kW		0,2		0,3				0,5											
min^{-1}						12 000								▸ UWC	–	▸ LWB ▸ LPB ▸ LWC ▸ LVB ▸ LVC	▸ WI	–	
kW						0,3													
min^{-1}						20 000		12 000						▸ UWC	–	▸ LWB ▸ LPB ▸ LWC ▸ LVB ▸ LVC	▸ WI	–	
kW						0,3													

Tool dia./max. RPM/minimum power required													Drive type					
mm	10	20	30	40	50	60	70	80	90	100	120	150	200						
min^{-1}		38 000	25 000							7000	6 400	5 100		▸ UBC ▸ UTC ▸ UTG ▸ UBK	▸ ABC ▸ ATC	▸ LBB ▸ LBC ▸ LBH	▸ WB ▸ FTM ▸ BSG	▸ BSG 33	
kW		0,2	0,3							1	1,5	2							
min^{-1}		38 000	25 000							7000	6 400	5 100		▸ UBC ▸ UTC ▸ UTG ▸ UBK	▸ ABC ▸ ATC	▸ LBB ▸ LBC ▸ LBH	▸ WB ▸ FTM ▸ BSG	▸ BSG 33	
kW		0,2	0,3							1	1,5	2							
min^{-1}		28 000	19 000							5 700	4 700	3 800		▸ UBC ▸ UTC ▸ UTG ▸ UBK	▸ ABC ▸ ATC	▸ LBB ▸ LBC ▸ LBH	▸ WB ▸ FTM ▸ BSG	–	
kW		0,2	0,3							1	1,5	2							

Tool ø refers to the drive roller. For devices with drive rollers of ø 20 and 30mm, divide the specified optimum cutting speed by 4.

Beispiel/Example/Exemple
Driver roller ø 20mm

24 m/s ÷ 4 = 6 m/s ≙ RPM 5'700

Grinding tools for satin finishing machines

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 **ESWB CE, CE II**	Coarse grinding	25	–	30	30	10	10	35
	 **ESWB AO, PSWB ZK**	General grinding	25	15	30	30	10	10	35
	 **ESWB TZ, CG**	Fine grinding	20	15	–	–	10	10	35
	 **ESWB/PSWB FVV**	Refining, satin finishing, polishing, cleaning	15	15	–	–	10	10	30
	 **FVSW**	Cleaning, fine grinding, descaling, refining	18	15	–	–	10	10	30
	 **FSW, FSSW**	General grinding	20	15	20	20	15	15	35
	 **FVVW, FVVGW**	Refining, satin finishing, polishing, cleaning	10	10	–	–	10	10	20
	 **KEFR**	Refining, satin finishing, polishing	10	10	–	–	10	10	15
	 **FVOW**	Cleaning, descaling	20	15	20	20	12	12	30
	 **FVVW CRS**	Refining, satin finishing, polishing	15	10	–	15	–	–	20

Tool dia./max. RPM/minimum power required														Drive type				
mm	10	20	30	40	50	60	75	90	100	110	120	150	200					
min^{-1}							9 000	7 500	6 900		5 500			▸ UPG ▸ UPK ▸ USG ▸ USK	–	▸ LLG	▸ FH ▸ WH ▸ FSM ▸ SWH	–
kW							1		1,5		2							
min^{-1}							9 000	6 900	6 900		5 500			▸ UPG ▸ UPK ▸ USG ▸ USK	–	▸ LLG	▸ FH ▸ WH ▸ FSM ▸ SWH	–
kW							1		1,5		2							
min^{-1}				12 700		9 500	4 000	6 900	6 900		5 500			▸ UPG ▸ UPK ▸ USG ▸ USK	–	▸ LLG	▸ FH ▸ WH ▸ FSM ▸ SWH	–
kW							1		1,5		2							
min^{-1}							4 500	5 500	5 500		3 200			▸ UPG ▸ UPK ▸ USG ▸ USK	–	▸ LLG	▸ FH ▸ WH ▸ FSM ▸ SWH	–
kW							1		1,5		2							
min^{-1}									5 700					▸ UPG ▸ UPK ▸ USK	–	▸ LLG	▸ FH ▸ WH ▸ FSM ▸ SWH	–
kW							1		1,5		2							
min^{-1}									6 700					▸ UPG ▸ UPK ▸ USK	–	▸ LLG	▸ FH ▸ WH ▸ FSM ▸ SWH	–
kW							1		1,5		2							
min^{-1}									5 700					▸ UPG ▸ UPK ▸ USK	–	▸ LLG	▸ FH ▸ WH ▸ FSM ▸ SWH	–
kW							1		1,5		2							
min^{-1}									3 000					▸ UPG ▸ UPK ▸ USK	–	▸ LLG	▸ FH ▸ WH ▸ FSM ▸ SWH	–
kW							1		1,5		2							
min^{-1}									5 700					▸ UPG ▸ UPK ▸ USK	–	▸ LLG	▸ FH ▸ WH ▸ FSM ▸ SWH	–
kW							1		1,5		2							
min^{-1}									3 400					▸ UPG ▸ UPK ▸ USK	–	▸ LLG	▸ FH ▸ WH ▸ FSM ▸ SWH	–
kW							1		1,5		2							

Tungsten carbide burrs, Mounted points

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 **HM**	Milling, deburring	12	12	12	10	12	12	15
	 **AR O (V)**	Coarse grinding, deburring	–	–	40	40	12	12	45
	 **(B)**	Coarse grinding	35	–	40	40	12	12	45
	 **BV GFX**	Coarse and fine grinding	12	10	–	12	12	12	45
	 **SUN-Press®**	Fine deburring and grinding, hairline finishing	12	12	–	–	12	12	45
	 **FPA**	Exact fine grinding	12	10	15	15	12	12	15
	 **FPK**	High-gloss polishing very small points	10	10	10	10	10	10	10

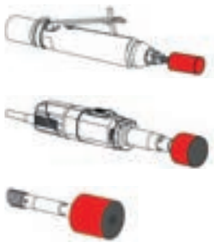
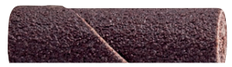
Tool dia./max. RPM/minimum power required																Drive type				
mm	3	6	8	10	12	15	16	20	25	30	35	40	45	50	60					
min⁻¹	90 000	50 000	40 000	40 000	35 000		25 000									▸ USC ▸ USG ▸ USK	▸ ASC	▸ LSA ▸ LWA ▸ LSB ▸ LLB ▸ LWB ▸ LSC ▸ LLC ▸ LWC ▸ LSE ▸ LLE ▸ LSG ▸ LLG ▸ LLH	▸ FH ▸ WI	▸ SMH ▸ SMA ▸ SMH ▸ ZX 55 ▸ UM-UT
kW	0,1	0,3				0,6				1					1,5					
min⁻¹	206 100	93 600	87 600	95 400	73 400		59 600	47 700	32 900			23 800		17 200	14 300					
kW	0,1	0,3				0,6				1					1,5					
min⁻¹				85 000	60 000	55 000		43 000	34 000	28 500	24 500	21 500		17 000						
kW	0,1	0,3				0,6				1					1,5					
min⁻¹				66 000	40 000	60 000		38 000	35 000			23 000								
kW	0,1	0,3				0,6				1					1,5					
min⁻¹		50 000		34 000	27 500		30 700	38 000	32 500											
kW	0,1	0,3				0,6				1					1,5					
min⁻¹		40 000	37 000	35 000		20 000		15 000		10 000										
kW	0,1	0,3				0,6				1					1,5					
min⁻¹		30 000		18 000				9 500	7 500	6 000										
kW	0,1	0,3				0,6				1					1,5					

Grinding tools with shafts

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 **FSW**	General grinding	24	20	30	24	12	12	**30**
	 **FVSK**	Matt fine grinding, line polishing	20	15	–	20	–	–	**30**
	 **FVVK, FVVGK, FVBK, FVBG**	Matt line polishing, satin finishing	20	15	–	20	–	–	**25**
	 **FVVK CP**	Matt: Fine grinding, cleaning, removing paint	20	15	–	20	12	12	**30**
	 **FVVK CRS**	Satin masking on ground profiles (mitre)	15	10	–	15	–	–	**34**
	 **FVOK**	Coarse: descaling, removing paint, cleaning	20	–	20	20	12	12	**30**
	 **BDK**	Fine: deburring, cleaning, removing paint, Refining, removing annealing colours	15	12	–	–	12	12	**30**
	 **RDBS**	Deburring, removing paint, cleaning, removing annealing colours	25	–	25	20	12	–	**25**
	 **RDBZ-S**	High-performance: Deburring, removing paint, cleaning, removing annealing colours	80	–	80	80	–	–	**80**
	 **PDB**	Deburring, removing paint, cleaning, removing annealing colours	10	–	10	10	–	–	**25**
	 **PDBZ**	High-performance: Deburring, removing paint, cleaning, removing annealing colours	10	–	10	10	–	–	**25**

Tool dia./max. RPM/minimum power required																Drive type				
mm	10	15	20	25	30	35	40	45	50	60	70	75	80	100	150					
min⁻¹	33 000		33 000	26 000	23 000		17 000		14 000	11 000			8 000			▸ USC ▸ USG ▸ USK	▸ ASC	▸ LSB ▸ LLB ▸ LWB ▸ LSC ▸ LLC ▸ LWC ▸ LSE ▸ LLE ▸ LSG ▸ LLG ▸ LLH	▸ FH ▸ WI ▸ SWH	–
kW	0,1	0,3				0,6				1					1,5					
min⁻¹							13 000						8 000	5 500						
kW	0,1	0,3				0,6				1					1,5					
min⁻¹							13 000	10 600	11 000			8 000	6 000	6 000						
kW	0,1	0,3				0,6				1					1,5					
min⁻¹												8 000		6 000						
kW	0,1	0,3				0,6				1					1,5					
min⁻¹													8 000							
kW	0,1	0,3				0,6				1					1,5					
min⁻¹												8 000		6 000	4 000					
kW	0,1	0,3				0,6				1					1,5					
min⁻¹									10 000			10 000								
kW	0,1	0,3				0,6				1					1,5					
min⁻¹			24 000		16 000		12 000		10 000	8 000	7 000		6 000	5 000						
kW	0,1	0,3				0,6				1					1,5					
min⁻¹												20 000								
kW	0,1	0,3				0,6				1					1,5					
min⁻¹	10 000	18 000			15 000															
kW	0,1	0,3				0,6				1					1,5					
min⁻¹			22 000	20 000	16 000															
kW	0,1	0,3				0,6				1					1,5					

Grinding tools with holders

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 **ESB ZK, CE, CE II**	General exact grinding	24	15	30	24	12	12	30*
	 **ESB, PSWB, ESWB FVV**	General matt polishing	16	10	–	16	12	12	20*
	 **PCK**	Accurately grinding parts that are hard to access	10	12	12	10	10	10	12*
	 **PCH**	Accurately grinding parts that are hard to access	8	5	10	8	8	8	10*
	 **SF, SFK**	General grinding of inside radii	8	5	10	8	8	8	10*
	 **FVV-B (Mini-Mandrel)**	General masking, removing paint, cleaning	6	6	6	6	6	6	8

Tool dia./max. RPM/minimum power required																	Drive type
mm	5	8	10	12	15	20	22	25	40	45	50	60	75	90	100	120	
min-1			27 000		26 000		25 000	15 000	12 000	12 000	11 400	8 000	5 000	6 900	6 900	4 000	▸ USC ▸ ASC ▸ LSA ▸ FH ▸ SMH ▸ USG ▸ LWA ▸ WI ▸ SMA ▸ USK ▸ LSB ▸ SWH ▸ LLB ▸ LWB ▸ LSC ▸ LLC ▸ LWC ▸ LSE ▸ LLE ▸ LSG ▸ LLG ▸ LLH
kW	0,1		0,3				0,6			1						1,5	
min-1													5 000	4 200	3 800	3 200	
kW	0,1		0,3				0,6			1						1,5	
min-1	40 000		20 000	16 000	12 000		11 000										
kW	0,1		0,3				0,6			1						1,5	
min-1		12 000		12 000	12 000	12 000	10 000										
kW	0,1		0,3				0,6			1						1,5	
min-1		25 000		17 000	14 000	12 000											
kW	0,1		0,3				0,6			1						1,5	
min-1													3 000				
kW	0,1		0,3				0,6			1						1,5	

*Please observe max. holder speed. Do not exceed the lower of the two.

Grinding tools with clamping mandrels

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 **BVSB**	Inox: aggressive fine grinding; NE, FVK: coarse grinding	35	25	–	–	12	12	**47**
	 **SUN-Press®**	Simultaneous grinding and gloss finishing	30	25	–	–	12	12	**47**
	 **FVOS**	Cleaning, descaling, deburring, removing paint	20	–	20	12	12	12	**30**
	 **BDS**	Fine: Deburring, cleaning, removing paint, refining, removing annealing colours	15	10	–	–	10	10	**30**
	 **SK, SR**	Fine grinding inside pipes	30	16	35	32	12	12	**40**
	 **FVBG-S**	Cleaning, refining	30	20	–	–	12	12	**30**
	 **RNB**	Cleaning, deburring, removing paint	16	–	20	16	12	–	**60**

Tool dia./max. RPM/minimum power required																	Drive type
mm	14	19	25	35	50	75	100	125	150	200	250	300	350	400	450		
min⁻¹					17 900	12 000											▸ USC ▸ USG ▸ USK ▸ ASC ▸ LSB ▸ LLB ▸ LWB ▸ LSC ▸ LLC ▸ LWC ▸ LSE ▸ LLE ▸ LSG ▸ LLG ▸ LLH ▸ FH ▸ WI ▸ SWH ▸ SMH ▸ SMA
kW	0,1	0,3				0,6			1	1,5							
min⁻¹					18 000	12 000											
kW	0,1	0,3				0,6			1	1,5							
min⁻¹						6 000	5 700		4 000	2 800							
kW	0,1	0,3				0,6			1	1,5							
min⁻¹	35 000	35 000	35 000		30 000	20 000											
kW	0,1	0,3				0,6			1	1,5							
min⁻¹				20 000		10 000	8 000										
kW	0,1	0,3			0,6	1		1,5		2							
min⁻¹					11 000	8 000			4 000	3 000							
kW	0,1	0,3		0,6		1		1,5		2							
min⁻¹							8 600	6 900									
kW	0,1	0,3		0,6		1		1,5		2							

Abrasive wheels

Motors	Abrasives	Applications	Optimal cutting speed							Tool dia./max. RPM/minimum power required																Drive type				
									max.	mm	15	25	35	45	50	65	75	85	100	120	125	150	165	175	200					
	 **BSK**	Fine grinding, hairline finishing	m/s 8	8	–	8	8	12	12	min^{-1}												2 800				▸ USK	–	–	▸ FH ▸ WH ▸ SWH	–
										kW									1			1,5		2						
	 **FSW, FSSW**	General grinding	24	20	24	24	12	12	30	min^{-1}													4 000			▸ USK	–	▸ LLG 4	▸ FH ▸ WH ▸ SWH	–
										kW									1			1,5		2						
	 **FVSR**	Fine grinding and matt finishing	20	15	–	20	12	12	25	min^{-1}														3 000		▸ USK	–	–	▸ FH ▸ WH ▸ SWH	–
										kW									1			1,5		2						
	 **FVVR, FVVGR**	Matt finishing	20	15	–	20	12	12	25	min^{-1}												3 200			3 000	▸ USK	–	–	▸ FH ▸ WH ▸ SWH	–
										kW									1			1,5		2						
	 **FVVR CP**	Coarse matt finishing	20	15	–	20	12	12	25	min^{-1}												3 400			2 500	▸ USK	–	–	▸ FH ▸ WH ▸ SWH	–
										kW									1			1,5		2						
	 **SUN-Roll®**	Fine deburring and gloss finishing	35	25	–	35	12	12	47	min^{-1}												6 000			4 500	▸ USK	–	▸ LLG 4	▸ FH ▸ WH ▸ SWH	–
										kW									1			1,5		2						
	 **BDR**	Fine: deburring, cleaning, removing paint, refining, removing annealing colours	15	12	–	–	12	12	30	min^{-1}												6 000				▸ USK	–	–	▸ FH ▸ WH ▸ SWH	–
										kW									1			1,5		2						

Tools for polishing machines

Motors	Abrasives	Applications	Optimal cutting speed							Tool dia./max. RPM/minimum power required																Drive type				
									max.	mm	5	10	15	20	25	30	45	50	80	100	120	150	175	200	250					
			m/s																											
	 FPS	High-gloss polishing small metal parts	8	8	–	8	8	8	10	min^{-1}						6 000	4 500		2 300	1 800	1 500	1 300	1 100	1 100		▸ USC ▸ USG ▸ USK	▸ ASC	▸ LLC 4 ▸ LLG 4 ▸ LLH 4	▸ FH ▸ WH ▸ SWH	–
										kW									1		1,5		2		3					
	 SS	High-gloss polishing soft non-ferrous metals	20	20	–	20	12	12	25	min^{-1}									6 000	5 000	4 000	3 200	2 700	2 500	2 000	▸ USC ▸ USG ▸ USK	▸ ASC	▸ LLC 4 ▸ LLG 4 ▸ LLH 4	▸ FH ▸ WH ▸ SWH	–
										kW									1		1,5		2		3					
	 VPR	Prepolishing and brushing inox steels	20	20	–	20	12	12	25	min^{-1}										4 000		2 800		2 000		▸ USC ▸ USG ▸ USK	▸ ASC	▸ LLC 4 ▸ LLG 4 ▸ LLH 4	▸ FH ▸ WH ▸ SWH	–
										kW									1		1,5		2		3					
	 PR	General polishing and brushing	20	20	–	20	12	12	25	min^{-1}										4 000		2 800		2 000		▸ USC ▸ USG ▸ USK	▸ ASC	▸ LLC 4 ▸ LLG 4 ▸ LLH 4	▸ FH ▸ WH ▸ SWH	–
										kW									1		1,5		2		3					
	 HPR	General high-gloss polishing	20	20	–	20	12	12	25	min^{-1}										4 000		2 800		2 000		▸ USC ▸ USG ▸ USK	▸ ASC	▸ LLC 4 ▸ LLG 4 ▸ LLH 4	▸ FH ▸ WH ▸ SWH	–
										kW									1		1,5		2		3					

Tools for polishing machines

Motors	Abrasives	Applications	Optimal cutting speed							Tool dia./max. RPM/minimum power required																Drive type				
									max.	mm	5	10	15	20	25	30	45	50	75	125	150	180	200	225	250					
			m/s																											
	 FPS-K	Prepolishing and polishing various surfaces	12	12	–	–	12	12	20	min^{-1}										4 000		3 000				▸ UPH	–	▸ LPC	▸ WIG ▸ FSM ▸ SAM	–
										kW									1			1,5								
	 WPS-K	Fine polishing varnish and various surfaces	12	12	–	–	12	12	20	min^{-1}										4 000		3 000				▸ UPH	–	▸ LPC	▸ WIG ▸ FSM ▸ SAM	–
										kW									1			1,5								
	 PSM-K	Removing holograms from varnish	–	–	–	–	–	6	12	min^{-1}										2 000		1 500				▸ UPH	–	▸ LPC	▸ WIG ▸ FSM ▸ SAM	–
										kW									1			1,5								

Abrasive calculator

The table below is used to determine the operating speeds on the basis of the abrasive diameter and cutting speed in m/s.

Speed min^{-1}

Tool ø	max.	Cutting speed											
mm	m/s												
	2	4	6	8	10	12	14	15	16	18	20	24	25
2	19.000	38.200	57.300	76.300	95.400								
3	12.700	25.400	38.200	50.900	63.600	76.300	89.000	95.400					
4	9.500	19.100	28.600	38.200	47.700	57.300	66.800	71.500	76.300	85.900	95.400		
5	7.600	15.200	22.900	30.500	38.200	45.800	53.400	57.300	61.100	68.700	76.300	91.600	95.400
6	6.300	12.700	19.100	25.400	31.800	38.200	44.500	47.700	50.900	57.300	63.600	76.300	79.500
8	4.700	9.500	14.300	19.100	23.800	28.600	33.400	35.800	38.200	42.900	47.700	57.300	59.600
10	3.800	7.600	11.400	15.200	19.100	22.900	26.700	28.600	30.500	34.600	38.200	45.800	47.700
12	3.100	6.300	9.500	12.700	15.900	19.000	22.200	23.800	25.400	28.600	31.800	38.100	39.700
14	2.700	5.400	8.100	10.900	13.600	16.300	19.000	20.400	21.800	24.500	27.200	32.700	34.000
15	2.500	5.000	7.600	10.100	12.700	15.200	17.800	19.000	20.300	22.900	25.400	30.500	31.800
16	2.300	4.700	7.100	9.500	11.900	14.300	16.700	17.800	19.000	21.400	23.800	28.600	29.800
19	2.000	4.000	6.000	8.000	10.000	12.000	14.000	15.000	16.000	18.000	20.000	24.100	25.100
20	1.900	3.800	5.700	7.600	9.500	11.400	13.300	14.300	15.200	17.100	19.000	22.900	23.800
22	1.700	3.400	5.200	6.900	8.600	10.400	12.100	13.000	13.800	15.600	17.300	20.800	21.600
25	1.500	3.000	4.500	6.100	7.600	9.100	10.600	11.400	12.200	13.700	15.200	18.300	19.000
30	1.200	2.500	3.800	5.000	6.300	7.600	8.900	9.500	10.100	11.400	12.700	15.200	15.900
35	1.000	2.100	3.200	4.300	5.400	6.500	7.600	8.100	8.700	9.800	10.900	13.000	13.600
40	900	1.900	2.800	3.800	4.700	5.700	6.600	7.100	7.600	8.500	9.500	11.400	11.900
45	800	1.600	2.500	3.300	4.200	5.000	5.900	6.300	6.700	7.600	8.400	10.100	10.600
50	700	1.500	2.200	3.000	3.800	4.500	5.300	5.700	6.100	6.800	7.600	9.100	9.500
60	600	1.200	1.900	2.500	3.100	3.800	4.400	4.700	5.000	5.700	6.300	7.600	7.900
70	500	1.000	1.600	2.100	2.700	3.200	3.800	4.000	4.300	4.900	5.400	6.500	6.800
75	500	1.000	1.500	2.000	2.500	3.000	3.500	3.800	4.000	4.500	5.000	6.100	6.300
80	400	900	1.400	1.900	2.300	2.800	3.300	3.500	3.800	4.200	4.700	5.700	5.900
90	400	800	1.200	1.600	2.100	2.500	2.900	3.100	3.300	3.800	4.200	5.000	5.300
100	300	200	1.100	1.500	1.900	2.200	2.600	2.800	3.000	3.400	3.800	4.500	4.700
115		600	900	1.300	1.600	1.900	2.300	2.400	2.600	2.900	3.300	3.900	4.100
120		600	900	1.200	1.500	1.900	2.200	2.300	2.500	2.800	3.100	3.800	3.900
125		600	900	1.200	1.500	1.800	2.100	2.200	2.400	2.700	3.000	3.600	3.800
150			700	1.000	1.200	1.500	1.700	1.900	2.000	2.200	2.500	3.000	3.100
165			600	900	1.100	1.300	1.600	1.700	1.800	2.000	2.300	2.700	2.800
175			600	800	1.000	1.300	1.500	1.600	1.700	1.900	2.100	2.600	2.700
180			600	800	1.000	1.200	1.400	1.500	1.600	1.900	2.100	2.500	2.600
200				700	900	1.100	1.300	1.400	1.500	1.700	1.900	2.200	2.300
230				600	800	900	1.100	1.200	1.300	1.400	1.600	1.900	2.000
250				600	700	900	1.000	1.100	1.200	1.300	1.500	1.800	1.900

Speed min^{-1}

Tool ø	max.	Cutting speed											
mm	m/s												
	28	30	34	35	38	40	44	45	48	50	60	80	
2													
3													
4													
5													
6	89.100	95.400											
8	66.800	71.600	81.100	83.500	90.700	95.400							
10	53.400	57.200	64.900	66.800	72.500	76.300	84.000	85.900					
12	44.500	47.700	54.000	55.600	60.400	63.600	70.000	71.500	76.300	79.500			
14	38.100	40.900	46.300	47.700	51.800	54.500	60.000	61.300	65.400	68.100	81.800		
15	35.600	38.100	43.200	44.500	48.300	50.900	56.000	57.200	61.000	63.600	76.300		
16	33.400	35.700	40.500	41.700	45.300	47.700	52.500	53.600	57.200	59.600	71.500	95.400	
19	28.100	30.100	34.100	35.100	38.100	40.100	44.200	45.200	48.200	50.200	60.200	80.300	
20	26.700	28.600	32.400	33.400	36.200	38.100	42.000	42.900	45.800	47.700	57.200	76.300	
22	24.200	26.000	29.500	30.300	32.900	34.700	38.100	39.000	41.600	43.300	52.000	69.400	
25	21.300	22.900	25.900	26.700	29.000	30.500	33.600	34.300	36.600	38.100	45.800	61.000	
30	17.800	19.000	21.600	22.200	24.100	25.400	28.000	28.600	30.500	31.800	38.100	50.900	
35	15.200	16.300	18.500	19.000	20.700	21.800	24.000	24.500	26.100	27.200	32.700	43.600	
40	13.300	14.300	16.200	16.700	18.100	19.000	21.000	21.400	22.900	23.800	28.600	38.100	
45	11.800	12.700	14.400	14.800	16.100	16.900	18.600	19.000	20.300	21.200	25.400	33.900	
50	10.600	11.400	12.900	13.300	14.500	15.200	16.800	17.100	18.300	19.000	22.900	30.500	
60	8.900	9.500	10.800	11.100	12.000	12.700	14.000	14.300	15.200	15.900	19.000	25.400	
70	7.600	8.100	9.200	9.500	10.300	10.900	12.000	12.200	13.000	13.600	16.300	21.800	
75	7.100	7.600	8.600	8.900	9.600	10.100	11.200	11.400	12.200	12.700	15.200	20.300	
80	6.600	7.100	8.100	8.300	9.000	9.500	10.500	10.700	11.400	11.900	14.300	19.000	
90	5.900	6.300	7.200	7.400	8.000	8.400	9.300	9.500	10.100	10.600	12.700	16.900	
100	5.300	5.700	6.400	6.600	7.200	7.600	8.400	8.500	9.100	9.500	11.400	15.200	
115	4.600	4.900	5.600	5.800	6.300	6.600	7.300	7.400	7.900	8.300	9.900	13.200	
120	4.400	4.700	5.400	5.500	6.000	6.300	7.000	7.100	7.600	7.900	9.500	12.700	
125	4.200	4.500	5.100	5.300	5.800	6.100	6.700	6.800	7.300	7.600	9.100	12.200	
150	3.500	3.800	4.300	4.400	4.800	5.000	5.600	5.700	6.100	6.300	7.600	10.100	
165	3.200	3.400	3.900	4.000	4.300	4.600	5.000	5.200	5.500	5.700	6.900	9.200	
175	3.000	3.200	3.700	3.800	4.100	4.300	4.800	4.900	5.200	5.400	6.500	8.700	
180	2.900	3.100	3.600	3.700	4.000	4.200	4.600	4.700	5.000	5.300	6.300	8.400	
200	2.600	2.800	3.200	3.300	3.600	3.800	4.200	4.200	4.500	4.700	5.700	7.600	
230	2.300	2.400	2.800	2.900	3.100	3.300	3.600	3.700	3.900	4.100	4.900	6.600	
250	2.100	2.200	2.500	2.600	2.900	3.000	3.300	3.400	3.600	3.800	4.500	6.100	

A wide variety of tools for the most demanding requirements

Suhner offers complete solutions consisting of a perfectly balanced range of machines and abrasives for the toughest demands. Our grinding tools are designed to improve any kind of abrasive surface processing. From roughening and grinding with enhanced material removal, to precise milling, brushing and polishing – Suhner grinding tools offer impressive quality and reliability.

Abrasive grain

Abrasive grains are applied to backings in bonded tools and abrasives. Grain sizes range from P24 (material removal) to P2500 (polishing), depending on tool type. We differentiate between 4 grain types, each of which has different properties.

AO	ZK	SC	CE
Aluminium oxide	**Zirconia aluminia**	**Silicon carbide**	**Ceramic grain**
Moderately hard and resistant, but less sharp than other grains. Requires little contact pressure.	Medium-hardness, very sharp, resilient and heat-resistant grains. Ideal for heavy machine processing involving high contact pressures.	Hard and sharp abrasive grain, but very fragile. Low contact pressure required. Suitable for exotic metals as well as non-ferrous metals and plastic.	Hard, resilient abrasive grain with micro-crystal structure. Guarantees a longer lifespan than other grains. For fast and aggressive abrasion. Requires low to medium contact pressure.

Cutting performance

In the overview of each section, cutting rates for each of the grinding tools are shown graphically, where ▬ represents high abrasion and ▬ represents polishing. This categorisation relates not only to the grain sizes available, but also to cutting performance, grain quality and the bonding of the abrasive.

Example: Tool is suitable for maximum cutting rates.

Notes on products

Structured abrasives

High-quality precision tools, developed for optimising processes and reducing processing times. Excellent cutting performance, long lifespan and better surface quality. Greatly reduce the amount of work and the number of tool-changes.

CE II	CG	TZ
High-performance grinding tools with precision-formed ceramic abrasive grains. For maximum, fast abrasion. Less heat production and inconsistencies, since the grains penetrate the surface evenly.	Compact grain with very open spread. Efficient abrasion rate with uniform and constant surface roughness. Impressively long service life and minimal dust production.	Precision tools for refining and finishing. They produce a high-quality, consistent and reproducible sanding pattern. The number of sanding stages can be significantly reduced, and with them the cost of equipping.

Grinding agent

Most of our abrasive belts and discs are given an active abrasive coating. This increases the abrasive grain's lifespan and reduces heat production – and with it any damage done to the workpiece. It also promotes the removal of cuttings, which increases the cutting rate and reduces abrasive clogging.

Grain comparison table / Roughness depth

Note: the exact finish (Ra value) depends on factors like contact pressure, speed of work, carrier hardness and the material being processed, and can vary by +/- 20 % depending on the working method.

Grain comparison table

Europa FEPA	Structured abrasive	Non-woven nylon	USA ANSI/CAMI	Roughness depth Ra (guideline figures)			
	TZ	FVV					
P2500	**A6**		1200	0.06	0.30	0.08	0.09
P1800			1000				
P1500			800				
P1200	**A16**	**UF**	600	0.15	0.40	0.16	0.18
P1000			500				
P800		**SF**	400				
P600	**A30**		360	0.29	0.65	0.35	0.25
P500							
P400	**A45**		320	0.45	0.90	0.48	0.30
P360			280				
P320		**VF**					
P280	**A65**		240	0.70	1.10	0.78	0.45
P240	**A80**			0.85	1.20	0.90	0.50
P220	**A100**		220				
P200		**M**					
P180			180				
P150			150				
P120	**A160**		120				
P100		**C**	100				
P80	**A300**		80				
P60		**VC**					
P50		**EC**	60				
P40			50				
P36			36				
P30			30				
P24			24				

UF = ultra fine, **SF =** super fine, **VF =** very fine, **M =** medium, **C =** coarse, **EC =** extra coarse, **VC =** very coarse
FEPA = Federation of European Producers of Abrasives Products, **ANSI =** American National Standards Institute

Our grinding tools comply with the FEPA standard.

Plastic-bonded grinding tools

For cleaning, deburring, derusting, blending in and welded seam processing on almost any material.

Your benefits:

- Long service life and consistent performance
- Consistent, even finish
- High flexibility
- No clogging
- Cool operation
- Minimum contact pressure required
- Ideal for parts that are difficult to access
- High operational safety
- Effective alternative to wire brushes, chemicals or pastes (pickling)

Areas of application

Applications		Grain size					
		36	50	80	120	220	400
		brown/pink	green	yellow	white	red	blue
Deburring low		●	●				
Clean weld seam			●	●			
Preparing weld seam			●	●	●		
Remove rust, paint, varnish			●	●	●		
Cleaning operations			●	●	●	●	
Annealing colors					●		
Fade out					●	●	
Finishing/Pre-polishing						●	●
Ra Finish on inox	**Metrisch**	1.00	0.85	0.70	0.50	0.20	0.10
	Micro inch	Ra 41	Ra 34	Ra 28	Ra 20	Ra 9	Ra 5
Ra Finish on aluminum 6061	**Metrisch**	3.00	2.50	2.10	1.40	0.50	0.20
	Micro inch	Ra 122	Ra 99	Ra 85	Ra 54	Ra 20	Ra 8

Non-woven products

Used mainly for cleaning, deburring, finishing and polishing; can be used on a variety of materials. Advantages: even, reproducible finish, geometry preserved, shapes itself to workpiece form, rounds edges without creating secondary burr, can be used dry or wet.

FVV…	SUN-Press®	SUN-Roll®	FVO…
Deburring, finishing, polishing.	Deburring, finishing.	Deburring, finishing.	Cleaning.

Tungsten carbide burrs

Suhner tungsten carbide burrs provide a genuine solution for any material. Our seven precision-ground serrations and 13 shapes cover practically any scenario. Tungsten carbide burrs are used for coarse cutting, deburring, chamfering and widening drilled holes.

The cutting rate and lifespan are many times higher than grindstones. Suhner's NK-S (steel processing) and N-IX (stainless steel processing) serrations offer two new types of high-performance burr for maximum performance and reduced processing times.

Areas of application

Material	Application by cut style						
	N	NK	NKD	NKC	NK-S	N-IX	GA
	●	●	●	●	●		
	●	●	◐	●		●	
	●	●	●	◐	●		
	●	●	◐				
						●	
						●	

● Highly recommended
◐ Recommended

Polishing attachments

Suhner offers polishing tools for radial and flat processing. Made from high-quality materials like felt, sisal and cotton – for optimum results when manually processing any material, using any method from manual matt-brushing to burnishing. A matching series of polishing pastes completes the range. Suhner polishing machines and machines with flexible shafts guarantee the necessary power and the right speeds for professional polishing.

FP …	SS	VPR	PR	HPR
Felt tools for fine grinding and polishing work.	Cotton buffing wheel for general polishing work.	Sisal rings for pre-polishing stainless steel and brushing non-ferrous metals. 45° woven for a longer service life.	Cotton polishing rings for polishing stainless steel, non-ferrous metals and steel. 45° woven for a longer service life.	Cotton burnishing rings. For stainless steel, aluminium, non-ferrous metals and plastics.

Optimal cutting speed

Application	Optimal cutting speed	
	m/s	%
Matting	15	- 15 + 10
Polishing metal	36	+/- 15
Polishing metal, sharp contours	15 – 25	+/- 10
Polishing plastic	15	+/- 10

Grinding and cut-off discs

Disc Shapes

Cut-off discs Turbo

Type	TURBO DISC
Applications	
Shape	T41
Grain size	AO ▲60

Universal cut-off discs

Type	SUN-DISC M
Applications	
Shape	T41
Grain size	AO ▲30

Universal grinding discs

Type	SUN-DISC M
Applications	
Shape	T27
Grain size	AO ▲24

High performance grinding discs

Type	MAGIC DISC 6 mm
Applications	
Shape	T27
Grain size	ZK – AO Mix ▲24

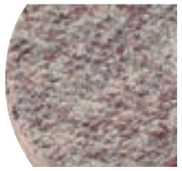
Flexible grinding discs

Type	MAGIC DISC 3 mm
Applications	
Shape	T27
Grain size	ZK – AO Mix ▲ 36 – 80

Grinding disc convex

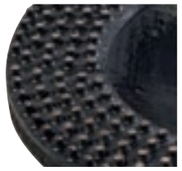
Type	VULCANO
Applications	
Shape	T29
Grain size	ZK – AO Mix ▲ 36

Cotton reinforced grinding discs



Type	BVSS
Applications	
Shape	T27
Grain size	AO – SC Mix ▲ A24 MTX + GFX

Diamond grinding discs



Type	DRS
Applications	
Shape	T27
Grain size	Diamond ▲ 50

Applications

Cutting, Grinding, Weld seam preparation,
Beveling, Deburring, Surface grinding.

Cut-off discs Turbo

TURBO DISC

Thin cut-off disc with a high cutting rate. Developed for demanding, precision cutting work. Fast, cool action. These disks are free of Fe / S / Cl and therefor suitable for stainless steel.

Discs diameter 50 and 75mm for use with straight grinders.

Applications

max. 80 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
50	1.2	6	30 000	908 074 00	100 010 508	50
75	1.2	10	20 200	908 078 00	100 010 512	50
115	1.2	22.2	13 300	908 075 00	100 010 509	25
125	1.2	22.2	12 200	908 076 00	100 010 510	25
150	1.6	22.2	10 200	909 648 00	100 008 871	25
180	1.6	22.2	8 600	908 440 00	100 009 398	25
230	1.9	22.2	6 600	909 649 00	100 008 872	25

Universal cut-off discs

SUN-DISC M

General-purpose, economical cut-off discs. Ideal for structural steel and tool steel.

Applications

max. 80 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
115	2	22.2	13 300	909 866 00	100 009 021	35
125	2	22.2	12 200	909 867 00	100 009 022	35
180	2	22.2	8 600	909 868 00	100 009 023	35
230	2	22.2	6 600	909 869 00	100 009 024	35

Cut-off discs Turbo

SUPREME DISC

New premium cut-off wheel for precision cutting and extreme long service life. This state-of-the-art disc is manufactured with the finest and highest performance abrasives, using advanced and innovative production technologies. Iron, chlorine and sulfur free: no contamination for use on stainless steel.

Applications

max. 80 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
115	1.0	22.2	13 300	913 553 00	100 053 425	25
125	1.0	22.2	12 200	913 554 00	100 053 426	25

Cutting wheels 3M™ Cubitron™ 3

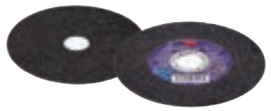
3M™ Cubitron™ 3 1mm

The new ceramic precision shaped grain has been redesigned to create angular structures that continuously break into new sharp grit tips. These smooth edges help create an abrasive that cuts faster, grinds cooler and lasts much longer than traditional abrasives.

The Cubitron™ 3 grinding disc is an extremely fast cutting and durable disc for weld removal and other heavy grinding applications.

Applications

max. 80 m/s



Diameter	Width	Bore	Grain size	max. Speed	Mat.-No.	
mm	mm	mm		min-1		
125	1.0	22.2	60	12 250	101 003 747	25

Cutting wheels Aluminium

NOR-Alu 1mm

Norton's aluminum cutting disc consisting of a specially developed grain and bond system prevents clogging of the disc, lasts longer and increases the cutting speed.

Applications

max. 80 m/s

Diameter	Width	Bore	Grain size	max. Speed	Mat.-No.	
mm	mm	mm		min-1		
125	1.0	22.2	A60	12 250	101 000 705	25

Universal grinding discs

SUN-DISC M

General-purpose, economical grinding discs. Good grinding ability ensures an economic grinding solution. Ideal for steel.

Applications

max. 80 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
75	6.4	10	20 200	908 077 00	100 010 511	10
115	6	22.2	13 300	909 870 00	100 009 025	10
125	6	22.2	12 200	909 871 00	100 009 026	10
230	6	22.2	6 600	909 873 00	100 009 028	10

High performance grinding discs

MAGIC DISC 6mm

All-purpose grinding disc with high stock removal and long tool life. Highly aggressive: removes stock in the half time. Less dust, noise and heating.

Applications

max. 80 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
115	6	22.2	13 300	912 781 00	100 007 392	10
125	6	22.2	12 200	908 613 00	100 009 541	10
150	6	22.2	10 200	909 714 00	100 008 905	10
180	6	22.2	8 600	908 945 00	100 009 802	10
230	6	22.2	6 600	909 896 00	100 009 038	10

MAGIC DISC 3mm

All-purpose grinding disc with high stock removal. Less dust, noise and heating. Versatile and easy to operate. Provides a nice grinding pattern. Available in three grain sizes.

Use Back-Up pad

Applications

max. 80 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
125	3	22.2	36	12 200	908 610 00	100 009 538	15
125	3	22.2	60	12 200	908 611 00	100 009 539	15
125	3	22.2	80	12 200	908 612 00	100 009 540	15

Grinding discs 3M™ Cubitron™ 3

3M™ Cubitron™ 3 7mm

The new ceramic precision shaped grain has been redesigned to create angular structures that continuously break into new sharp grit tips. These smooth edges help create an abrasive that cuts faster, grinds cooler and lasts much longer than traditional abrasives.

The 3M™ Cubitron™ 3 grinding disc is an extremely fast cutting and durable disc for weld removal and other heavy grinding applications.

Applications

max. 80 m/s

Diameter	Width	Bore	Grain size	max. Speed	Mat.-No.	
mm	mm	mm		min-1		
125	7	22.2	36	12 250	101 003 746	10

Grinding discs Quantum 3

NOR-Quantum 3 7mm

The perfect blend of precision-molded ceramic grain and the hardest bond system results in the Norton Quantum 3 grinding disc that effortlessly machines the workpiece while quickly removing metal and biting into the metal.

Applications

max. 80 m/s

Diameter	Width	Bore	Grain size	max. Speed	Mat.-No.	
mm	mm	mm		min-1		
125	7	22.2	24	12 250	101 000 704	10

Grinding & cut-off disc Quantum 3 COMBO

NOR-Quantum 3 COMBO 4mm

With a thickness of 4.2 mm, the Norton Quantum 3 COMBO disc can handle cut-off/ as well as grinding applications and is perfect for quick weld removal.

Applications

max. 80 m/s

Diameter	Width	Bore	Grain size	max. Speed	Mat.-No.	
mm	mm	mm		min-1		
125	4.2	22.2	24	12 250	101 000 703	20

Grinding disc convex

VULCANO

Grinding disc with high stock removal and service life. Specially designed for curved surfaces of stainless steel and steel.

Use Back-Up pad

Applications

max. 80 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
125	4	22.2	36	12 200	909 897 00	100 009 039	15

Cotton reinforced grinding discs

BVSS A24 GFX

GFX (white): Soft bond
Very well suited for deburring, fine grinding
and levelling of surfaces on aluminum, stainless steel and fiber reinforced composite materials

Applications

max. 80 m/s

Diameter	Width	Bore	Color	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	White	min-1			
115	5	22.2	White	13 300	908 262 00	100 010 646	1

BVSS A24 MTX

MTX : Hard bond Extraordinary abrasiveness and lifetime when working on aluminum. Extremely suitable for aluminum and nonferrous materials. For slight and medium work when removing welding beads..

Applications

max. 80 m/s

Diameter	Width	Bore	Color	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	Brown	min-1			
115	5	22.2	Brown	13 300	908 261 00	100 010 645	1

Back-Up pad

BUP

Back-up pad suitable for MAGIC DISC 3mm and VULCANO grinding discs

	ID-No.	Mat.-No.	
	908 700 00	100 009 623	1

Flap discs

Disc Shapes

Flap discs zirconia aluminia

Type	SUperflex Nylon, LFS-C, LFS-F
Applications	
Shape	T27 + T29
Grain size	ZK ▲ 40 – 120

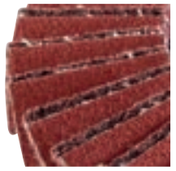
Flap discs ceramic

Type	Tigerbite
Applications	
Shape	T27 + T29
Grain size	CE ▲ 40 – 120

Felt polishing flap disc

Type	FPS-LFS
Applications	
Shape	T27
Grain size	Felt

Combined flap discs



Type	FVSS
Applications	
Shape	T27
Grain size	AO ▲ C, M, VF

Non-woven flap disc

Type	FVVS-LFT
Applications	
Shape	T29
Grain size	AO ▲ M

Applications

Grinding, Weld seam preparation, Surface sanding, Deburring, Scratch removal, Fine sanding, Blending, Polishing.

Flap discs zirconia aluminia

LFS SUperflex T27

Universally usable disc with fiberglass backing. A keen grinder with a long service life, because the abrasive self-renews. Consistent grinding until the disc is completely used up, hence very economical.

Flat design. Ideal for processing surfaces and for intermediate and fine grinding.

Applications

max. 80 m/s

Diameter	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
115	22.2	40	13 300	913 000 00	100 007 582	10
115	22.2	60	13 300	913 001 00	100 007 583	10
115	22.2	80	13 300	913 002 00	100 007 584	10
115	22.2	120	13 300	913 003 00	100 007 585	10
125	22.2	40	12 200	913 008 00	100 007 590	10
125	22.2	60	12 200	913 009 00	100 007 591	10
125	22.2	80	12 200	913 010 00	100 007 592	10
125	22.2	120	12 200	913 011 00	100 007 593	10

LFT SUperflex T29

Universally usable disc with fiberglass backing. A keen grinder with a long service life, because the abrasive self-renews. Consistent grinding until the disc is completely used up, hence very economical.

Conical design. Ideal for aggressive material removal and processing contours and edges.

Applications

max. 80 m/s

Diameter	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
115	22.2	40	13 300	913 004 00	100 007 586	10
115	22.2	60	13 300	913 005 00	100 007 587	10
115	22.2	80	13 300	913 006 00	100 007 588	10
115	22.2	120	13 300	913 007 00	100 007 589	10
125	22.2	40	12 200	913 012 00	100 007 594	10
125	22.2	60	12 200	913 013 00	100 007 595	10
125	22.2	80	12 200	913 014 00	100 007 596	10
125	22.2	120	12 200	913 015 00	100 007 597	10

LFS SUperflex Nylon T27

Universally usable disc with nylon backing. More comfortable to work with thanks to reduced vibrations and noise. The backing material can easily be twisted off, increasing the disc's life-cycle.

Flat design. Ideal for processing surfaces and for intermediate and fine grinding.

Applications

max. 80 m/s

Diameter	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
115	22.2	40	13 300	913 021 00	100 007 603	10
115	22.2	60	13 300	913 022 00	100 007 604	10
115	22.2	80	13 300	913 023 00	100 007 605	10
115	22.2	120	13 300	913 024 00	100 007 606	10
125	22.2	40	12 200	913 016 00	100 007 598	10
125	22.2	60	12 200	913 017 00	100 007 599	10
125	22.2	80	12 200	913 018 00	100 007 600	10
125	22.2	120	12 200	913 019 00	100 007 601	10

LFS-C

New design! This high-quality pure zircon sandpaper is evenly wrapped around the carrier and is excellently suited to soft modelling in corners as well as removing coarse material. Very suitable for removing rough fillet-welded seams.

Applications

max. 80 m/s

Diameter	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
125	22.23	40	12 200	912 801 00	100 007 406	10
125	22.23	60	12 200	912 802 00	100 007 407	10

LFS-F

The ideal disc for processing and giving a final polish to rough concave and convex surfaces, contours and profiles. Easy grinding of corners and angles that are hard to reach with conventional discs.

Applications

max. 80 m/s

Diameter	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
115	22.2	40	13 300	908 980 00	100 009 830	10
115	22.2	60	13 300	908 981 00	100 009 831	10
115	22.2	80	13 300	908 982 00	100 009 832	10

Flap discs ceramic

LFS Tigerbite T27

Discs with high-performance ceramic grain for maximum abrasion. These discs are great for processing very hard surfaces thanks to their self-sharpening effect and because they offer aggressive grinding and a very long service life. An additional active grinding layer also reduces the temperature in the grinding zone. Particularly suitable for stainless steel, exotic metals, non-ferrous metals and aluminium.

Flat design. Ideal for processing surfaces and for intermediate and fine grinding.

Applications

max. 80 m/s

Diameter	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
125	22.2	40	12 200	909 891 00	100 009 034	10
125	22.2	60	12 200	909 892 00	100 009 035	10
125	22.2	80	12 200	909 893 00	100 009 036	10
125	22.2	120	12 200	909 894 00	100 009 037	10

LFT Tigerbite T29

Discs with high-performance ceramic grain for maximum abrasion. These discs are great for processing very hard surfaces thanks to their self-sharpening effect and because they offer aggressive grinding and a very long service life. An additional active grinding layer also reduces the temperature in the grinding zone. Particularly suitable for stainless steel, exotic metals, non-ferrous metals and aluminium.

Conical design. Ideal for aggressive material removal and processing contours and edges.

Applications

max. 80 m/s

Diameter	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
125	22.2	40	12 200	909 980 00	100 009 106	10
125	22.2	60	12 200	909 981 00	100 009 107	10
125	22.2	80	12 200	909 982 00	100 009 108	10
125	22.2	120	12 200	909 983 00	100 009 109	10

LFS CE M14

Flap disc with high-performance ceramic grain and integrated M 14 thread. The special plastic carrier with ventilation slots promotes air circulation and conducts the heat away from the surface. The carrier material can be easily turned off for a maximum service life of the pane.

Thread = M14

Applications

max. 80 m/s

Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
125	40	12 250	912 510 00	100 007 317	10
125	60	12 250	912 511 00	100 007 318	10
125	80	12 250	912 512 00	100 007 319	10
125	120	12 200	912 513 00	100 007 320	10

Combined flap discs

FVSS T27

Non-woven discs with grinding material ribs, each arranged between the non-woven grinding ribs. This arrangement allows you to process welded seams and finish the surface in one go, which saves time. Also suitable for light deburring work and for improving surface roughness.

C = coarse, M = medium, VF = very fine

Applications

max. 80 m/s

Diameter	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
125	22.2	C	12 200	909 523 00	100 008 772	10
125	22.2	M	12 200	909 524 00	100 008 773	10
125	22.2	VF	12 200	909 525 00	100 008 774	10

Non-woven flap disc

FVVS-LFT T29

For finishing work and for improving surface roughness. Generates little heat. This material does not get clogged and is therefore suitable for soft materials. Long lifespan.

M = medium

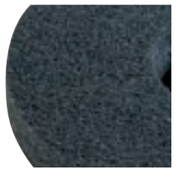
Applications

max. 80 m/s

Diameter	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
125	22.2	M	12 200	909 825 00	100 008 992	10

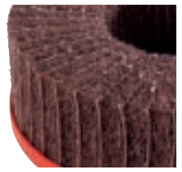
Cleaning and deburring discs

Unitized non-woven abrasives



Type	SUN-Press®
Applications	
Grain size	SF = SC Fine (Density 2 – 6) AM = AO Med (Density 6 – 10)

Deburring discs



Type	FVSC
Applications	
Grain size	AO, ZK, SC ▲ F/VF 80

Diamond cleaning discs

Type	DRS
Applications	
Grain size	Diamond ▲ 50

Clean and strip discs

Type	FVOT
Applications	
Grain size	SC-Reinforced non-woven fibre

Plastic reinforced discs

Type	BD
Applications	
Grain size	CE ▲ 50 – 120

Wire brushes

Type	RDBZ/TDB/TDBZ
Applications	
Wire	ST + VA 0,3 - 0,5mm

Nylon cup brushes

Type	TNB
Applications	
Grain size	AO ▲ 60 – 120

Applications

Rust removal, Cleaning, Removal of discoloration, Paint/lacquer removal, Deburring, Blending.

Unitized non-woven abrasives

SUN-Press®

For all deburring, cleaning, blending and finishing needs up to pre-polishing. Time and cost saving: one work step only from grinding weld seams to perfect, shiny surfaces. Efficient and long service life on every material, especially stainless steel, titanium and aluminum.

Applications

max. 60 m/s

Diameter	Bore	Grain size	Hardness	max. Speed	ID-No.	Mat.-No.	
mm	mm			min-1			
115	22.2	2SF	Soft	10 000	909 626 00	100 008 855	5
115	22.2	6SF	Medium hard	10 000	909 803 00	100 008 975	5
115	22.2	8AM	Hard	10 000	909 627 00	100 008 856	5

SUN-Press PRO

Next generation - Premium unitized discs! Free from animal derived ingredients. Suitable for the processing of stainless steel in the food and pharma industry but also for general metal construction. Providing a high-quality finish without damaging the surface: Reduce grinding errors, time and therefore costs For all deburring, cleaning, blending and finishing needs up to pre-polishing. Time and cost saving: one work step only from grinding weld seams to perfect, shiny surfaces.

Applications

max. 60 m/s

Diameter	Bore	Grain size	Hardness	max. Speed	ID-No.	Mat.-No.	
mm	mm			min-1			
115	22.2	2SF	Soft	10 000	913 462 00	100 006 742	5
115	22.2	8AM	Hard	10 000	913 485 00	100 006 759	5

SUN-Press PRO

Next generation - Premium unitized discs! Free from animal derived ingredients. Suitable for the processing of stainless steel in the food and pharma industry but also for general metal construction. Providing a high-quality finish without damaging the surface: Reduce grinding errors, time and therefore costs For all deburring, cleaning, blending and finishing needs up to pre-polishing. Time and cost saving: one work step only from grinding weld seams to perfect, shiny surfaces.

Applications

max. 48 m/s

2SF = Soft
6SF = Medium hard
8AM = Hard

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
125	6	22.2	2SF	6 100	913 558 00	100 053 428	10
125	6	22.2	6SF	6 100	913 559 00	100 053 429	10
125	6	22.2	8AM	6 100	913 560 00	100 053 430	10

Deburring discs

FVSC

Specially developed for all deburring work on sheet metal. A combination of high-quality grinding fabric and non-woven material enables effective deburring. Ideal for preparing sheet metal prior to powder coating, painting or straightening. With integrated M 14 thread.

Thread = M14

Applications

max. 14 m/s

Diameter	Grain size	Color	max. Speed	ID-No.	Mat.-No.	
mm		Brown	min-1			
115	80 / VF AO	Brown	2 200	913 311 00	100 007 844	1
115	80 / F ZK	Blue	2 200	913 313 00	100 007 846	1
115	80 / F SC	Gray	2 200	913 312 00	100 007 845	1

Clean and strip discs

FVOT

Made of synthetic fibres, abrasive grain and resin. For removing heavy corrosion, mill scale on hot-rolled steels, stubborn paint layers on metals and heat tinting. Ideal for stainless steels. For metallically clean surfaces.

Applications

max. 60 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
115	18	22.2	10 000	903 468 00	100 011 222	5
125	18	22.2	10 000	913 056 00	100 007 636	5

FVOT-L

Made of synthetic fibres, abrasive grain and resin. For removing heavy corrosion, mill scale on hot-rolled steels, stubborn paint layers on metals and heat tinting. Ideal for stainless steels. For metallically clean surfaces.

With radially arranged ribs for greater cleaning performance.

Applications

max. 60 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
115	25	22.2	7 500	908 977 00	100 009 827	5

FVOT X CRS

The X CRS coarse cleaning disc consisting of silicon carbide is perfect for quick removal of rust, paint, scale and coatings from metals.

Applications

Diameter	Width	Bore	max. Speed	Mat.-No.	
mm	mm	mm	min-1		
115	22	22.2	13 000	100 013 942	5

Plastic reinforced discs

BD

Ideal for removing rust, glue residue, paint, heat tinting, sealing materials and varnish, and suitable for blending in light scratches. Used directly on the angle grinder with an M 14 thread.

Applications

max. 75 m/s

Diameter	Grain size	Color	max. Speed	ID-No.	Mat.-No.	
mm		Green	min-1			
115	50	Green	12 000	913 144 00	100 007 648	5
115	80	Yellow	12 000	913 145 00	100 007 649	5
115	120	White	12 000	913 146 00	100 007 650	5

Diamond cleaning discs

DRS

Removes glue, epoxy resin, urethane and stubborn paint from stone and steel. For derusting and removing oxide layers and mill scale from steel and iron.

Applications

max. 80 m/s

Diameter	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	min-1			
115	22.2	13 300	913 028 00	100 007 610	1
125	22.2	12 200	913 029 00	100 007 611	1

Wire brushes

RDBZ

For heavy work like removing any kind of varnish, scale and corrosion. Especially suitable for processing inner edges and areas that are difficult to get to.

For both items Max. Speed = 11 000 min-1

Available qualities: Steel (ST) or stainless steel (VA).

Applications

max. 80 m/s

Diameter	Width	Bore	Wire quality	Wire diameter	ID-No.	Mat.-No.	
mm	mm	mm		mm			
115	13	22.2	ST	0.50	908 084 00	100 010 518	1
115	13	22.2	VA	0.35	908 085 00	100 010 519	1

RDBZ G

For heavy work like removing any kind of varnish, scale and corrosion. Especially suitable for processing inner edges and areas that are difficult to get to.
Thread= M14

Available qualities: Steel (ST) or stainless steel (VA).

Applications

max. 80 m/s

Diameter	Width	Wire quality	Wire diameter	max. Speed	ID-No.	Mat.-No.	
mm	mm		mm	min-1			
115	13	ST	0.5	12 500	908 086 00	100 010 520	1
115	13	VA	0.5	12 500	908 087 00	100 010 521	1

TDBZ 100

High-performance wire cup brushes With threaded arbor hole suitable to use on angle grinders. For rust removal, cleaning, paint and primer removal, roughing.
Thread= M14

The removable support ring prevents excessive spreading oft he fill material.

Applications

max. 35 m/s

Diameter	Wire quality	Wire diameter	max. Speed	ID-No.	Mat.-No.	
mm		mm	min-1			
100	ST	0.5	8 500	902 196 00	100 010 984	1

TDBZ 70

High-performance wire cup brushes With threaded arbor hole suitable to use on angle grinders. For rust removal, cleaning, paint and primer removal, roughing.
Thread= M14

Available qualities: Steel (ST) or stainless steel (VA).

Applications

max. 35 m/s

Diameter	Wire quality	Wire diameter	max. Speed	ID-No.	Mat.-No.	
mm		mm	min-1			
70	ST	0.35	11 000	902 195 00	100 010 983	1
70	VA	0.35	11 000	908 123 00	100 010 555	1

TDB

With threaded arbor hole suitable to use on angle grinders. For rust removal, cleaning, paint and primer removal, roughing.
Thread= M14

Available qualities: Steel (ST) or stainless steel (VA).

Applications

max. 35 m/s

Diameter	Wire quality	Wire diameter	max. Speed	ID-No.	Mat.-No.	
mm		mm	min-1			
70	ST	0.35	10 000	902 192 00	100 010 982	1
70	VA	0.35	10 000	908 104 00	100 010 538	1

Nylon cup brushes

TNB

Suitable for cleaning, roughening, derusting, paint removal and texturing. Can be used on any metal, hardwood and softwood, and ceramic.

Thread = M14

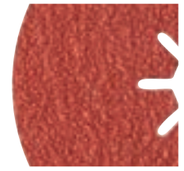
Applications

max. 25 m/s

Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
130	60	2500	907 244 00	100 010 260	1
130	80	2500	906 800 00	100 010 091	1
130	120	2500	907 245 00	100 010 261	1

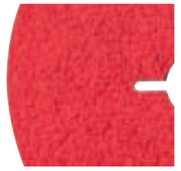
Fibre discs

Fibre discs aluminium oxide



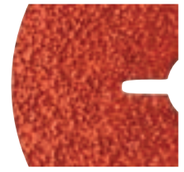
Type	KFS VA
Applications	
Grain size	AO ▲36 – 180

Fibre discs ceramic



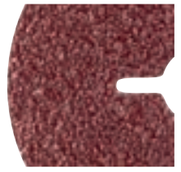
Type	KFS CE-11
Applications	
Grain size	CE ▲40 – 120

Fibre discs ceramic +



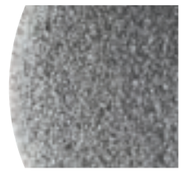
Type	KFS CE-22
Applications	
Grain size	CE II – AO Mix ▲36 – 120

High performance ceramic fibre discs



Type	KFS CE II
Applications	
Grain size	CE II ▲36 – 80

Fibre discs for aluminium

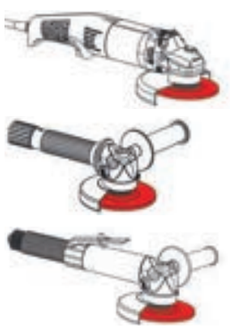
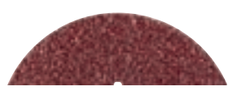


Type	KFS AL
Applications	
Grain size	ZK – AO Mix AL Coated ▲36 – 120

Compressed non-woven fibre discs

Type	FVVS
Applications	
Grain size	AO ▲C, M

Machine/abrasive matrix

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 KFS CE II, CE, VA, AL	General planing	60	50	80	80	12	12	80

Applications

Grinding, Edge chamfering, Weld removal and finishing, Edge beveling, Scratch removal, Fine sanding, Blending.

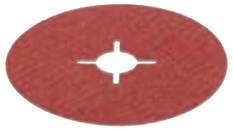
Fibre discs aluminium oxide

KFS VA

For coarse and fine grinding of even and curved surfaces. Grinds at a low temperature thanks to its additional active grinding layer. Offers good service life and optimum adaptability. Particularly suitable for stainless steels.

Applications

max. 80 m/s



Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
115	36	13 200	903 415 00	100 011 179	50
115	50	13 200	903 416 00	100 011 180	50
115	60	13 200	903 417 00	100 011 181	50
115	80	13 200	903 418 00	100 011 182	50
115	100	13 200	903 419 00	100 011 183	50
115	120	13 200	903 420 00	100 011 184	50
115	150	13 200	903 421 00	100 011 185	50
115	180	13 200	901 384 00	100 012 011	50
125	36	12 200	905 231 00	100 009 999	50
125	50	12 200	905 232 00	100 010 000	50
125	60	12 200	905 233 00	100 010 001	50
125	80	12 200	905 234 00	100 010 002	50
125	100	12 200	905 235 00	100 010 003	50
125	120	12 200	905 236 00	100 010 004	50
125	150	12 200	905 237 00	100 010 005	50
125	180	12 200	903 356 00	100 011 158	50

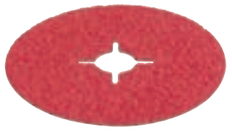
Fibre discs ceramic

KFS CE-11

Impressive self-sharpening effect when processing very hard surfaces. Offers aggressive grinding and a very long service life. An additional active grinding layer also reduces the grinding temperature on the workpiece.

Applications

max. 80 m/s



Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
125	36	12 200	909 907 00	100 009 040	50
125	60	12 200	909 910 00	100 009 043	50
125	80	12 200	909 911 00	100 009 044	50
125	100	12 200	909 912 00	100 009 045	50
125	120	12 200	909 913 00	100 009 046	50

KFS CE-22

Featuring a precision-formed, ceramic abrasive grain and active grinding layer – without compromising performance or economy. Very good abrasion rate and service life, especially at low and medium contact pressures. The special design of this fibre disc produces low temperatures even on badly conducting stainless steels.

Applications

max. 80 m/s

Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-¹			
115	36	13 200	913 318 00	100 007 851	25
115	60	13 200	913 319 00	100 007 852	25
115	80	13 200	913 320 00	100 007 853	25
115	120	13 200	913 321 00	100 007 854	25
125	36	12 200	913 322 00	100 007 855	25
125	60	12 200	913 323 00	100 007 856	25
125	80	12 200	913 324 00	100 007 857	25
125	120	12 200	913 325 00	100 007 858	25
178	36	8 600	913 326 00	100 007 859	25
178	60	8 600	913 327 00	100 007 860	25
178	80	8 600	913 328 00	100 007 861	25
178	120	8 600	913 329 00	100 007 862	25

High performance ceramic fibre discs

KFS CE II ST

Top performance, a uniform surface finish and lower grinding temperatures at a low contact pressure. Up to four times longer-lasting than conventional fibre discs.

Ideal for construction steel, cast steel and unalloyed tool steels as well as non-ferrous metals and aluminium.

Applications

max. 80 m/s

Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-¹			
115	36	13 200	909 988 00	100 009 114	25
115	60	13 200	909 989 00	100 009 115	25
115	80	13 200	909 990 00	100 009 116	25
125	36	12 200	909 959 00	100 009 085	25
125	60	12 200	909 960 00	100 009 086	25
125	80	12 200	909 961 00	100 009 087	25

KFS CE II VA

Top performance, a uniform surface finish and lower grinding temperatures at a low contact pressure. Up to four times longer-lasting than conventional fibre discs.

Ideal for stainless steel, titanium and nickel alloys. With grinding agent for even cooler grinding.

Applications

max. 80 m/s

Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-¹			
115	36	13 200	909 985 00	100 009 111	25
115	60	13 200	909 986 00	100 009 112	25
115	80	13 200	909 987 00	100 009 113	25
125	36	12 200	909 920 00	100 009 047	25
125	60	12 200	909 957 00	100 009 083	25
125	80	12 200	909 958 00	100 009 084	25
178	36	8 600	912 603 00	100 007 267	25
178	60	8 600	912 604 00	100 007 268	25
178	80	8 600	912 605 00	100 007 269	25

Fibre discs for aluminium

KFS AL

The high-performance fibre discs, AL type, have a coating developed especially for aluminium. Extremely efficient work with high removal rate and long service life. The disc does not become clogged and no additional lubricant is required also with soft aluminium.

Applications

max. 80 m/s

Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-¹			
115	36	13 200	913 199 00	100 007 777	25
115	60	13 200	913 200 00	100 007 778	25
115	80	13 200	913 201 00	100 007 779	25
115	120	13 200	913 202 00	100 007 780	25
125	36	12 200	913 203 00	100 007 781	25
125	60	12 200	913 204 00	100 007 782	25
125	80	12 200	913 205 00	100 007 783	25
125	120	12 200	913 206 00	100 007 784	25
178	36	8 600	913 207 00	100 007 785	25
178	60	8 600	913 208 00	100 007 786	25
178	80	8 600	913 209 00	100 007 787	25
178	120	8 600	913 210 00	100 007 788	25

Compressed non-woven fibre discs

FVVS

Reducing roughness depths, removing heat tinting, smoothing surfaces, light cleaning and deburring work. For removing pre-grinding marks on any metal.

C= coarse, M = medium

Applications

max. 60 m/s

Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
127	C	9 000	903 432 00	100 011 196	10
127	M	9 000	903 441 00	100 011 203	10

Flexible support plates

FSS

For use with fibre discs for grinding flat and curved surfaces. Central clamping device makes discs easy to change and fix.

Diameter	Thread	Hardness	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
115	M 10	Medium	13 200	019 636 02	100 052 003	1
115	M 14	Medium	13 200	019 636 01	100 052 002	1

FSS W

For controlled grinding work. Produces a fine grinding pattern.

Diameter	Thread	Hardness	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
115	M 14	Soft	13 200	909 681 00	100 008 881	1
125	M 14	Soft	12 200	909 682 00	100 008 882	1
178	M 14	Soft	8 600	019 637 01	100 052 005	1

FSS L W

For controlled grinding work. Produces a fine grinding pattern.

Ribbed for extra cooling.

Diameter	Thread	Hardness	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
115	M 14	Soft	13 200	908 696 00	100 009 619	1
125	M 14	Soft	12 200	908 697 00	100 009 620	1

FSS H

For fast and aggressive material removal.

Diameter	Thread	Hardness	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
125	M 14	Hard	12 200	049 023 01	100 048 387	1
175	M 14	Hard	8 600	019 637 02	100 052 006	1

FSS L H

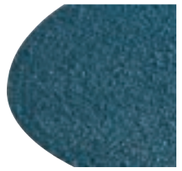
For fast and aggressive material removal.

Ribbed for extra cooling.

Diameter	Thread	Hardness	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
115	M 14	Hard	13 200	908 449 00	100 009 407	1
125	M 14	Hard	12 200	908 582 00	100 009 513	1

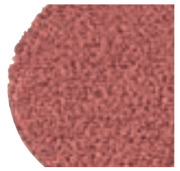
Hook & Loop discs for angle grinders

Hook & Loop discs zirconia aluminia



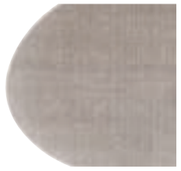
Type	KFS-K VA
Applications	
Grain size	ZK ▲ 40 – 120

Hook & Loop discs ceramic



Type	KFS-K CE II
Applications	
Grain size	CE II ▲ 40 – 120

Structured Hook & Loop discs

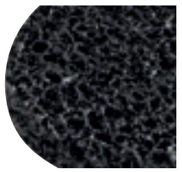


Type	TZS-K, TZS-K H
Applications	
Grain size	AO ▲ A 300 (P 80) – A 6 (P 2500)

Compressed non-woven discs

Type	FVVS-K
Applications	
Grain size	▲ EC, VC, C, M, VF = AO SF = SC

Hook & Loop cleaning discs

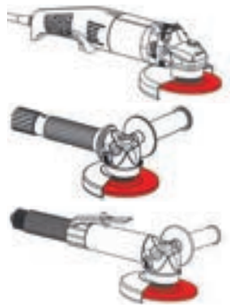


Type	FVOS-K
Applications	
Grain size	SC-Reinforced non-woven fibre

Hook & Loop polishing discs

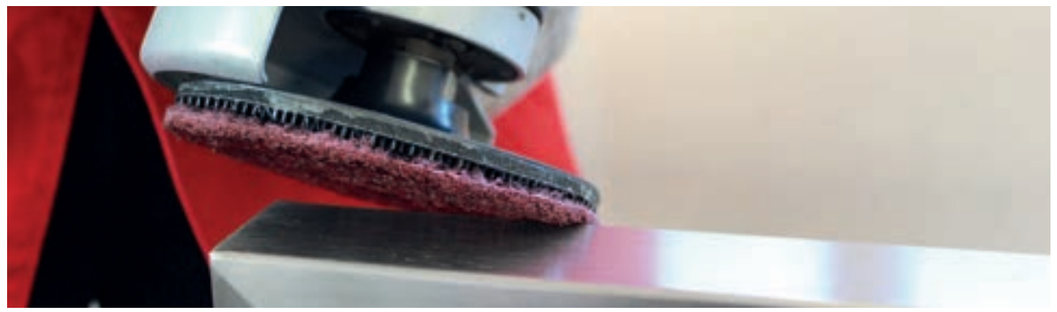
Type	FPS-K, WPS-K, PSM-K
Applications	
Grain size	FPS = Felt WPS = Wool PSM = Foam

Machine / abrasive matrix

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 **TZS-K, KFS-K**	General planing	40	30	60	60	12	12	**60**
	 **FVVS-K**	Cleaning, descaling, Refining	30	20	60	60	12	12	**40**
	 **FPS-K**	Pre-polishing and polishing various surfaces	12	12	–	–	12	12	**20**
	 **WPS-K**	Fine polishing varnish and various surfaces	12	12	–	–	12	12	**20**
	 **PSM-K**	Removing holograms from varnish	–	–	–	–	–	6	**12**

Applications

Grinding, Paint removal, Preparing for painting / coating, surface grinding, smoothing and eliminating faults, texturing and final grinding.



Hook & Loop discs zirconia aluminia

KFS-K VA

Versatile abrasive discs with additional active grinding layer. Fast and rugged abrasion while maintaining uniform surface quality. For all metals, especially stainless steels.

Applications

max. 60 m/s

Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
115	40	10 000	913 541 00	100 006 793	25
115	60	10 000	913 542 00	100 006 794	50
115	80	10 000	913 543 00	100 006 795	50
115	120	10 000	913 544 00	100 006 796	50

Hook & Loop discs ceramic

KFS-K CE II

Featuring a precision-formed, ceramic abrasive grain and active grinding layer – without compromising performance or economy. Very good abrasion rate and service life, especially at low and medium contact pressures.

Applications

max. 60 m/s

Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
115	40	10 000	913 335 00	100 007 867	25
115	60	10 000	913 336 00	100 007 868	25
115	80	10 000	913 337 00	100 007 869	25
115	120	10 000	913 338 00	100 007 870	25
125	40	10 000	913 339 00	100 007 871	25
125	60	10 000	913 340 00	100 007 872	25
125	80	10 000	913 341 00	100 007 873	25
125	120	10 000	913 342 00	100 007 874	25

Structured Hook & Loop discs

TZS-K

For all grinding work all the way to pre-polishing. A pyramid structure allows you to skip stages of the work and therefore greatly reduce working times. Long service life. Suitable for all metals, especially titanium, nickel, cobalt, chrome and other stainless steel alloys.

Soft design for best surface results.

Applications

max. 60 m/s

Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
115	A 300 (P 80)	10 000	909 487 00	100 008 749	10
115	A 160 (P 120)	10 000	913 388 00	100 007 920	25
115	A 80 (P 240)	10 000	913 389 00	100 006 670	25
115	A 65 (P 280)	10 000	913 390 00	100 006 671	25
115	A 45 (P 400)	10 000	913 391 00	100 006 672	25
115	A 30 (P 600)	10 000	913 392 00	100 006 673	25
115	A 16 (P 1200)	10 000	913 393 00	100 006 674	25
115	A 6 (P 2500)	10 000	913 394 00	100 006 675	25
125	A 160 (P 120)	10 000	909 921 00	100 009 048	25
125	A 80 (P 240)	10 000	909 922 00	100 009 049	25
125	A 45 (P 400)	10 000	909 924 00	100 009 051	25
125	A 30 (P 600)	10 000	909 925 00	100 009 052	25

TZS-K H

For all grinding work all the way to pre-polishing. A pyramid structure allows you to skip stages of the work and therefore greatly reduce working times. Long service life. Suitable for all metals, especially titanium, nickel, cobalt, chrome and other stainless steel alloys.

Reinforced panes for demanding applications.

Applications

max. 60 m/s

Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
115	A 160 (P 120)	10 000	909 062 00	100 009 884	10
115	A 80 (P 240)	10 000	909 063 00	100 009 885	10
115	A 65 (P 280)	10 000	909 064 00	100 009 886	10
115	A 45 (P 400)	10 000	909 065 00	100 009 887	10
115	A 30 (P 600)	10 000	909 066 00	100 009 888	10
115	A 16 (P 1200)	10 000	909 067 00	100 009 889	10

Compressed non-woven discs

FVVS-K

Removing heat tinting, smoothing surfaces, light cleaning and deburring work. For removing pre-grinding marks on any metal.

EC = extra coarse, VC = very coarse, C = coarse, M = medium, VF = very fine, SF = super fine

Applications

max. 40 m/s

Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
115	EC	8 000	913 030 00	100 007 612	10
115	VC	8 000	913 060 00	100 007 640	10
115	C	8 000	906 377 00	100 010 021	10
115	M	8 000	906 378 00	100 010 022	10
115	VF	8 000	906 379 00	100 010 023	10
115	SF	8 000	906 380 00	100 010 024	10
125	C	8 000	912 953 00	100 007 550	10
125	M	8 000	912 915 00	100 007 517	10
125	VF	8 000	912 954 00	100 007 551	10
178	C	6 000	908 013 00	100 010 426	10
178	M	6 000	908 014 00	100 010 427	10
178	VF	6 000	908 015 00	100 010 428	10

FVVS-K GB-DH

The non-woven hook and loop discs are a combination of fiber fleece material and a long-lasting ceramic grain which enables a high removal rate in relation with a fine finish. Remove small welds and weld spots, surface cleaning, rounding, deburring and grinding out traces of fiber disc grit 80.

Applications

max. 40 m/s

Diameter	Grain size	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
115	50	8 000		101 000 707	25
115	80	8 000	912 790 00	100 007 396	25

Flexible Hook & Loop support plates

FSS-K

For use with hook & loop and non-woven discs for grinding flat and rounded surfaces. Use with an angle grinder.

Diameter	Thread	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
115	M 10	10 000	907 501 00	100 010 308	1
115	M 14	10 000	907 500 00	100 010 307	1
178	M 14	6 000	907 052 00	100 010 168	1

FSS-K Z

Fits FVVS-K non-woven discs. Discs are easy to centre. For precise, low-vibration work.

Diameter	Thread	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
115	M 14	10 000	913 031 00	100 007 613	1
125	M 14	10 000	912 955 00	100 007 552	1

FSS-K R

With fine hook and loop closure. For fast and aggressive material removal.

Diameter	Thread	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
115	M 14	10 000	182 300 01	100 031 621	1
125	M 14	10 000	909 941 00	100 009 067	1

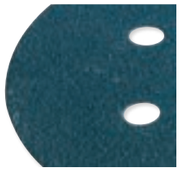
FSS-K W

Suitable for controlled grinding and working in radii. Produces a fine grinding pattern.

Diameter	Thread	Hardness	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
115	M 14	Soft	4 500	909 060 00	100 009 882	1
125	M 14	Soft	4 500	912 997 00	100 007 579	1

Hook & Loop discs for palm sanders

Hook & Loop discs zirconia aluminia



Type	KPS-K VA
Applications	
Grain size	ZK ▲ 40 – 100

Hook & Loop discs ceramic

Type	KPS-K CE II
Applications	
Grain size	CE II ▲ 80 – 220

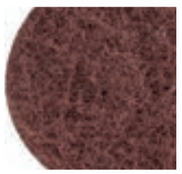
Hook & Loop discs for aluminium

Type	KPS-K AL
Applications	
Grain size	AO AL Coated ▲ 80 – 240

Mesh type hook & loop discs

Type	OPN PLUS
Applications	
Grain size	AO ▲ 40 – 800

Non-woven discs



Type	FVBG-S
Applications	
Grain size	AO = ▲ 100 – 280 SC = ▲ 500

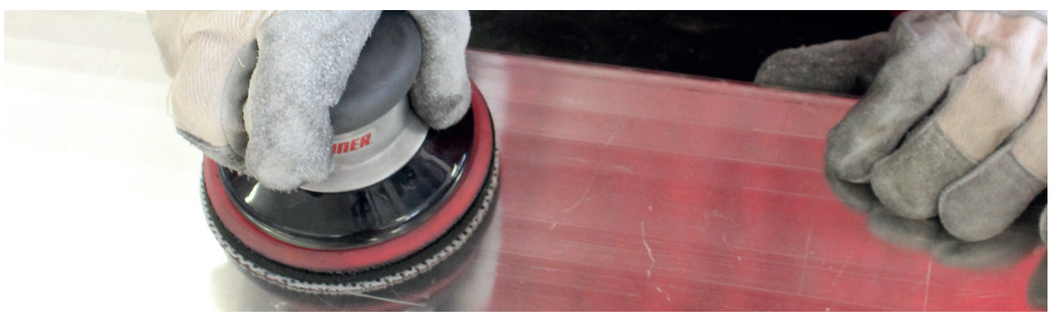
Machine / abrasive matrix

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 **KPS-K AL**	General planing and removing paint	35*	35*	35*	35*	35*	12*	**35***
	 **KPS-K VA**	General planing and removing paint	35*	35*	35*	35*	35*	12*	**35***
	 **KPS-K CE II**	High-performance pla-ning and removing paint	35*	35*	35*	35*	35*	12*	**35***
	 **OPN PLUS**	General planing and removing paint	35*	35*	35*	35*	35*	12*	**35***
	 **FVBG-S**	General matt finishing	20*	20*	20*	20*	20*	12*	**20***

*Cutting speed figures refer to concentric spindles (angle grinders). 35 m/s corresponds to approximately 12000 rpm of the palm sander.Reduce the rpm for lower cutting speeds.

Applications

Grinding, Paint removal, Preparing for pain-ting / coating, surface grinding, smoothing and eliminating faults, texturing and final grinding.



Hook & Loop discs zirconia aluminia

KPS-K VA

Versatile abrasive discs with additional active grinding layer. Fast and rugged abrasion while maintaining uniform surface quality. For all metals, especially stainless steels.

Applications

max. 60 m/s

Diameter	Grain size	ID-No.	Mat.-No.	
mm				
150	40	913 545 00	100 006 797	50
150	60	913 546 00	100 006 798	50
150	80	913 547 00	100 006 799	50
150	120	913 548 00	100 006 800	50

KPS-K VA (6 hole)

Versatile abrasive discs with additional active grinding layer. Fast and rugged abrasion while maintaining uniform surface quality. For all metals, especially stainless steels.

Applications

max. 60 m/s

Diameter	Grain size	ID-No.	Mat.-No.	
mm				
150	40	913 549 00	100 006 801	50
150	60	913 550 00	100 006 802	50
150	80	913 551 00	100 006 803	50
150	120	913 552 00	100 006 804	50

Ceramic Hook & Loop discs

KPS-K CE-11

The fabric Velcro grinding disc with self-sharpening ceramic grain is perfect for grinding stainless steels and superalloys. Ideal for cleaning, deburring and leveling. The grinding-active TOP SIZE layer significantly reduces the temperature in the grinding zone and provides aggressive grinding.

Applications

max. 60 m/s

Diameter	Grain size	ID-No.	Mat.-No.	
mm				
150	60	915 713 00	100 007 129	50
150	80	915 246 00	100 006 887	50
150	120	915 247 00	100 006 888	50

Hook & Loop discs ceramic

KPS-K CE II

With extremely resilient film backing and precision-formed, ceramic abrasive grain. Guarantees maximum abrasion rate and constant cutting capability combined with maximum lifespan.

Applications

max. 60 m/s

Diameter	Grain size	ID-No.	Mat.-No.	
mm				
150	80	912 783 00	100 007 394	50
150	120	912 798 00	100 007 403	50
150	150	912 908 00	100 007 511	50
150	180	912 928 00	100 007 530	50
150	220	912 909 00	100 007 512	50

KPS-K CE II "Multihole"

With extremely resilient film backing and precision-formed, ceramic abrasive grain. Guarantees maximum abrasion rate and constant cutting capability combined with maximum lifespan.

Applications

max. 60 m/s

Diameter	Grain size	ID-No.	Mat.-No.	
mm				
150	80	912 799 00	100 007 404	50
150	120	912 800 00	100 007 405	50
150	150	912 925 00	100 007 527	50
150	180	912 926 00	100 007 528	50
150	220	912 927 00	100 007 529	50

Hook & Loop discs for aluminium

KPS-K AL

Versatile abrasive discs with good performance. Extremely tough and resilient at the edges.

Applications

max. 60 m/s

Diameter	Grain size	ID-No.	Mat.-No.	
mm				
150	80	912 634 00	100 007 296	100
150	120	912 635 00	100 007 297	100
150	150	912 636 00	100 007 298	100
150	180	912 637 00	100 007 299	100
150	240	912 638 00	100 007 300	100

KPS-K AL (6-hole)

Versatile abrasive discs with good performance. Extremely tough and resilient at the edges.

Applications

max. 60 m/s

Diameter	Grain size	ID-No.	Mat.-No.	
mm				
150	80	913 211 00	100 007 789	100
150	120	913 212 00	100 007 790	100
150	150	913 213 00	100 007 791	100
150	180	913 214 00	100 007 792	100
150	240	913 215 00	100 007 793	100

Mesh type Hook & Loop discs

OPN PLUS

Sparsely spread abrasives for grinding and polishing stainless steel, aluminium and composite materials.

Applications

max. 60 m/s

Diameter	Grain size	ID-No.	Mat.-No.	
mm				
120	40	909 936 00	100 009 063	50
120	60	909 937 00	100 009 064	50
120	80	909 962 00	100 009 088	50
120	120	909 963 00	100 009 089	50
120	180	909 964 00	100 009 090	50
120	220	909 965 00	100 009 091	50
120	320	909 966 00	100 009 092	50
120	600	909 968 00	100 009 094	50
150	40	909 938 00	100 009 065	50
150	60	909 939 00	100 009 066	50
150	80	909 969 00	100 009 095	50
150	120	909 970 00	100 009 096	50
150	180	909 971 00	100 009 097	50
150	220	909 972 00	100 009 098	50
150	320	909 973 00	100 009 099	50
150	600	909 975 00	100 009 101	50

Non-woven Hook & Loop discs

FVBS-K

The Medium and Very Fine non-woven hook & loop discs are ideal for aggressive blending and finishing. Made with aluminum oxide, the disc is a tough, durable abrasive that can be used to effectively prepare aluminum, stainless steel, plastics, wood and fiberglass. The disc is characterized by its high removal rate, hardness and strength. A unique, tough and durable product for surface preparation.

Applications

max. 40 m/s

Diameter	Grain size	Mat.-No.	
mm			
150	M	100 007 193	10
150	VF	101 000 708	10

Backing pads

FSS-K (6 hole)

Made of plastic for fitting to hook & loop discs. Fits LOB 10 eccentric grinder.

Diameter	Thread	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
120	5/16"	10 000	909 831 00	100 008 996	1
150	5/16"	10 000	909 832 00	100 008 997	1

FSS-K

Made of plastic for fitting to hook & loop discs. Fits LOB 10 eccentric grinder.

Diameter	Thread	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
150	5/16"	10 000	912 588 00	100 007 254	1

Protective backing

SU-K

Used between backing plate and abrasive disc. Protects the plate against damage and premature wear. Promotes an even distribution of suction across the entire surface of the disc when using multihole and mesh discs.

Diameter	max. Speed	ID-No.	Mat.-No.	
mm	min-1			
120	10 000	909 550 00	100 008 794	1
150	10 000	909 551 00	100 008 795	1

Six-hole soft backing

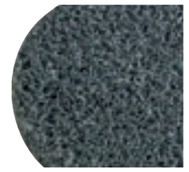
SA-K

Used between backing plate and abrasive disc. Ideal for processing contours and uneven surfaces.

Diameter	max. Speed	ID-No.	Mat.-No.	
mm	min-1			
120	10 000	909 548 00	100 008 792	1
150	10 000	909 549 00	100 008 793	1

Abrasive discs for fillet weld grinders

Unitized non-woven abrasives



Type	SUN-Press®
Applications	
Grain size	SF = SC Fine (Density 2 – 6) AM = AO Med (Density 6 – 10)

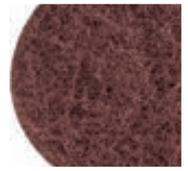
Plastic reinforced discs

Type	BDS/BDR
Applications	
Grain size	CE ▲36 – 400

Cotton reinforced discs

Type	BVSB
Applications	
Grain size	AO – SC Mix ▲36 – 120

Non-woven discs



Type	FVBG-S
Applications	
Grain size	AO = ▲100 – 280 SC = ▲500

Applications

Fillet weld working, Weld seam removal, Removal of discoloration, Cleaning, Blending & Finishing.

Unitized non-woven abrasives

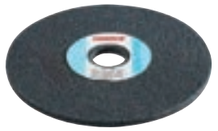
SUN-Press®

For all deburring, cleaning, blending and finishing needs up to pre-polishing. Time and cost saving: one work step only from grinding weld seams to perfect, shiny surfaces. Efficient and long service life on every material, especially stainless steel, titanium, aluminum and fibre-reinforced plastics.

For use with UKC 3-R, AKC 3

Applications

max. 48 m/s



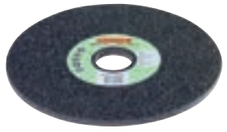
Diameter	Width	Bore	Grain size	Hardness	ID-No.	Mat.-No.	
mm	mm	mm					
150	3	25	6SF	Medium hard	909 475 00	100 008 741	10
150	3	25	8AM	Hard	909 476 00	100 008 742	10
150	3	25	10AM	Extra hard	909 623 00	100 008 852	10
150	6	25	2SF	Soft	909 471 00	100 008 737	10
150	6	25	4SF	Medium Soft	909 472 00	100 008 738	10
150	6	25	6SF	Medium hard	909 473 00	100 008 739	10
150	6	25	8AM	Hard	909 474 00	100 008 740	10
150	6	25	10AM	Extra hard	909 622 00	100 008 851	10

SUN-Press PRO

Next generation - Premium unitized discs! Free from animal derived ingredients. Suitable for the processing of stainless steel in the food and pharma industry but also for general metal construction. Providing a high-quality finish without damaging the surface: Reduce grinding errors, time and therefore costs For all deburring, cleaning, blending and finishing needs up to pre-polishing. Time and cost saving: one work step only from grinding weld seams to perfect, shiny surfaces.

Applications

max. 48 m/s



Diameter	Width	Bore	Grain size	Hardness	ID-No.	Mat.-No.	
mm	mm	mm					
150	3	25	6SF	Hard	913 493 00	100 006 767	10
150	3	25	8AM	Hard	913 486 00	100 006 760	10
150	6	25	2SF	Soft	913 463 00	100 006 743	10
150	6	25	6SF	Hard	913 494 00	100 006 768	10
150	6	25	8AM	Hard	913 487 00	100 006 761	10

Laminated cotton grinding discs

BVSB 150

Grinding and finishing of weld seams in one operation. For rough to medium applications. Non-Loading on aluminium or softer metals. Long service life.

For use with UKC 3-R, AKC 3

Applications

max. 48 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
150	3	25	A 36 KGX	6 000	909 794 00	100 008 971	1
150	3	25	A 80 KGX	6 000	909 799 00	100 008 973	1
150	3	25	A 120 KGX	6 000	909 800 00	100 008 974	1

Plastic reinforced discs

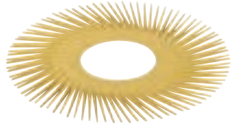
BDS 150

Suitable for removing corrosion, lacquer and discolouration, for cleaning weld seams and geometric workpieces and for deburring and smoothing work on virtually all materials in hard-to-reach areas. Pay attention to the rotation direction! Single discs.

For use with UKC 3-R, AKC 3

Applications

max. 48 m/s



Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
150	1.6	51	36	6 000	913 138 00	100 007 642	10
150	1.6	51	50	6 000	913 139 00	100 007 643	10
150	1.6	51	80	6 000	913 140 00	100 007 644	10
150	1.6	51	120	6 000	913 141 00	100 007 645	10
150	1.6	51	220	6 000	913 142 00	100 007 646	10
150	1.6	51	400	6 000	913 143 00	100 007 647	10

Accessories Flange set

	Type	For use with	Tool fixture	ID-No.	Mat.-No.	
 Flange	SF BDS	▸ BDS 150 ▸ UKC 3-R ▸ AKC 3	M14	064 831 01	100 042 460	1
	Flange for BDR 150	▸ BDR 150 ▸ UKC 3-R ▸ AKC 3	M14	913 147 00	100 007 651	1

Non-woven fibre wheels

FVVGR

Folded grinding fabric enables finishing with virtually no edge marks, especially on stainless steel surfaces.

Applications

max. 20 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
125	50	C	3200	915 131 00	100 006 852	2
125	50	M	3200	909 764 00	100 008 947	2
125	50	F	3200	909 765 00	100 008 948	2

ABRACare@Suhner

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ABRACare@Suhner

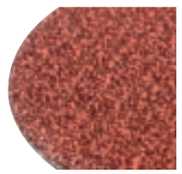
Abrasive inventory optimization for you!

- Automatic, demand-driven order triggering
- Inventory management
- Abrasive cabinet and tools
- Consignment warehouse, no downtime and guaranteed stock availability

Quick change system SUN-fix

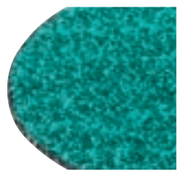
System

Sanding discs aluminium oxide



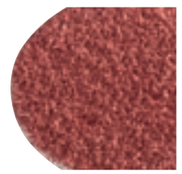
Type	SB VA/ST
Applications	
System	Turn-On/Roll-On
Grain size	AO ▲ 36 – 120

Sanding discs zirconia aluminia



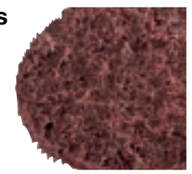
Type	SB VA
Applications	
System	Turn-On/Roll-On
Grain size	ZK ▲ 36 – 120

High performance ceramic sanding discs



Type	SB CE II
Applications	
System	Roll-On
Grain size	CE II ▲ 36 – 120

Reinforced non-woven discs



Type	FVVS
Applications	
System	Turn-On/Roll-On
Grain size	AO ▲ C, M, VF

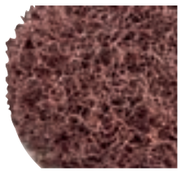
Sanding discs for aluminium

Type	SB AL
Applications	
System	Turn-On/Roll-On
Grain size	CE – ZK Mix AL Coated ▲ 36 – 120

Sanding discs silicon carbide

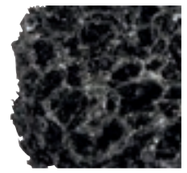
Type	SB SC
Applications	
System	Turn-On/Roll-On
Grain size	SC ▲ 36 – 240

Open web non-woven discs



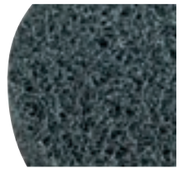
Type	FVBS
Applications	
System	Turn-On/Roll-On
Grain size	AO ▲ C, M, F, VF

Cleaning discs



Type	FVOS
Applications	
System	Turn-On/Roll-On
Grain size	SC-Reinforced non-woven fibre

Unitized non-woven abrasives



Type	SUN-Press®
Applications	
System	Roll-On
Grain size	SF = SC Fine (Density 2 – 4) AM = AO Med (Density6 – 8)

Laminated cotton grinding discs

Type	BVSB
Applications	
System	Roll-On
Grain size	AO – SC Mix ▲ 36 – 120

Mini flap discs

Type	LFS R, LFS-F R
Applications	
System	Roll-On
Grain size	ZK ▲ 40 – 80

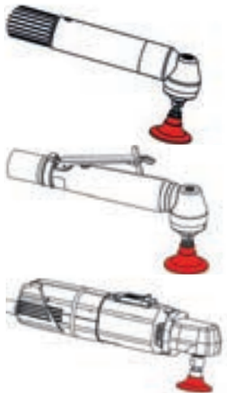
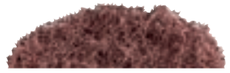
Felt polishing discs

Type	FSB
Applications	
System	Roll-On
Grain size	Felt

Plastic reinforced discs

Type	BD
Applications	
System	Roll-On
Grain size	CE ▲ 36 – 120

Machine / abrasive matrix

Motors	Abrasives	Applications	Optimal cutting speed m/s						
									max.
	 **VA/ST, VA, CE II, AL, SC**	General grinding on small areas	40	30	40	40	12	12	**50**
	 **FVVS**	Deburring, fine grinding, cleaning, refining	30	20	–	–	12	12	**50**
	 **FVBS**	Gentle cleaning, refining	30	20	–	–	12	12	**50**
	 **SUN-Press®**	Fine deburring and grinding, refining	30	25	–	–	12	12	**50**
	 **BVSB**	Fine grinding	28	30	–	–	12	12	**50**
	 **LFS, LFS-F**	General grinding	40	30	50	50	12	12	**50**
	 **FSB**	Line and high-gloss polishing	30	30	30	30	12	12	**50**

Applications

Grinding, Edge chamfering, Weld removal and finishing, Edge beveling, Cleaning, Scratch removal, Fine sanding, Blending, Polishing.

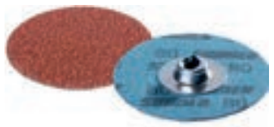
Sanding discs aluminium oxide

SB VA/ST Turn-On

Universally usable, high-performance abrasive discs. Particularly suitable for steel and stainless steel.

Applications

max. 50 m/s



Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
19	60	SBH 19	20 000	908 642 00	100 009 560	100
19	80	SBH 19	20 000	908 643 00	100 009 561	100
19	120	SBH 19	20 000	908 644 00	100 009 562	100
25	36	SBH 25	20 000	900 920 00	100 011 887	100
25	60	SBH 25	20 000	900 921 00	100 011 888	100
25	80	SBH 25	20 000	900 922 00	100 011 889	100
25	120	SBH 25	20 000	908 645 00	100 009 563	100
50	36	SBH 50	20 000	900 923 00	100 011 890	100
50	60	SBH 50	20 000	900 924 00	100 011 891	100
50	80	SBH 50	20 000	900 925 00	100 011 892	100
50	120	SBH 50	20 000	908 646 00	100 009 564	100
75	36	SBH 75	12 000	900 926 00	100 011 893	50
75	60	SBH 75	12 000	900 927 00	100 011 894	50
75	80	SBH 75	12 000	900 928 00	100 011 895	50
75	120	SBH 75	12 000	908 647 00	100 009 565	50

Sanding discs zirconia aluminia

SB VA Turn-On

Made of high-quality zirconia aluminia with a self-sharpening effect and active grinding layer. Impressively aggressive, cool grinding and high abrasion. Suitable for stainless steel and alloyed steel.

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	36	SBH 50	20 000	900 930 00	100 011 896	100
50	60	SBH 50	20 000	900 931 00	100 011 897	100
50	80	SBH 50	20 000	900 932 00	100 011 898	100
75	36	SBH 75	12 000	900 933 00	100 011 899	50
75	60	SBH 75	12 000	900 934 00	100 011 900	50
75	80	SBH 75	12 000	900 935 00	100 011 901	50

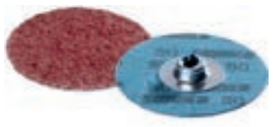
High performance ceramic sanding discs

SB CE II Turn-On

Guarantee top performance, a uniform surface finish and lower grinding temperatures at a low contact pressure. Significantly higher abrasion rates and service life than high-quality, conventional abrasive discs. Low dust and heat production. Suitable for stainless steel, steel and hard aluminium alloys.

Applications

max. 50 m/s



Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	36	SBH 50	20 000	913 427 00	100 006 707	100
50	60	SBH 50	20 000	913 428 00	100 006 708	100
50	80	SBH 50	20 000	913 429 00	100 006 709	100
50	120	SBH 50	20 000	913 430 00	100 006 710	100
75	36	SBH 75	12 000	913 431 00	100 006 711	50
75	60	SBH 75	12 000	913 432 00	100 006 712	50
75	80	SBH 75	12 000	913 433 00	100 006 713	50
75	120	SBH 75	12 000	913 434 00	100 006 714	50

Sanding discs for aluminium

SB AL-W

The high-performance discs, AL-W type, have a coating developed especially for aluminium. Extremely efficient work with high removal rate and long service life. The disc does not become clogged and no additional lubricant is required also with soft aluminium.

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	Mat.-No.	
mm			min-1		
50	36	SBH 50	20 000	101 002 411	100
50	60	SBH 50	20 000	101 002 412	100
50	80	SBH 50	20 000	101 002 413	100
50	120	SBH 50	20 000	101 002 414	100
75	36	SBH 75	12 000	101 002 415	50
75	60	SBH 75	12 000	101 002 416	50
75	80	SBH 75	12 000	101 002 417	50
75	120	SBH 75	12 000	101 002 418	50

Sanding discs silicon carbide

SB SC Turn-On

Offers high grain sharpness and cutting capacity. Works with low contact pressure. Suitable for processing stone, glass, stainless steel, titanium and plastics.

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	36	SBH 50	20 000	900 990 00	100 011 936	100
50	60	SBH 50	20 000	900 991 00	100 011 937	100
50	80	SBH 50	20 000	900 992 00	100 011 938	100
50	120	SBH 50	20 000	900 993 00	100 011 939	100
50	180	SBH 50	20 000	900 994 00	100 011 940	100
50	240	SBH 50	20 000	900 995 00	100 011 941	100

Reinforced non-woven discs

FVVS Turn-On

Reducing roughness depths, removing heat tinting, smoothing surfaces, light cleaning and deburring work. For removing pre-grinding marks on any metal.

C = coarse, M = medium, VF = very fine

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
19	C	SBH 19	20 000	900 940 00	100 011 902	100
19	VF	SBH 19	20 000	900 941 00	100 011 903	100
25	C	SBH 25	20 000	900 942 00	100 011 904	100
25	M	SBH 25	20 000	900 943 00	100 011 905	100
25	VF	SBH 25	20 000	900 944 00	100 011 906	100
50	C	SBH 50	20 000	900 945 00	100 011 907	50
50	M	SBH 50	20 000	900 946 00	100 011 908	50
50	VF	SBH 50	20 000	900 947 00	100 011 910	50
75	C	SBH 75	12 000	900 948 00	100 011 911	25
75	M	SBH 75	12 000	900 949 00	100 011 912	25
75	VF	SBH 75	12 000	900 950 00	100 011 913	25

Open web non-woven discs

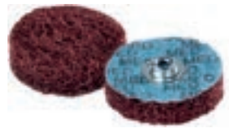
FVBS Turn-On

For the fast, effective removal of light oxidation, for preparing parts for painting and high-gloss polishing.

C = coarse, M = medium, F = fine, VF = very fine

Applications

max. 50 m/s



Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
25	C	SBH 25	20 000	913 435 00	100 006 715	50
25	M	SBH 25	20 000	913 436 00	100 006 716	50
25	F	SBH 25	20 000	913 437 00	100 006 717	50
25	VF	SBH 25	20 000	913 438 00	100 006 718	50
50	C	SBH 50	20 000	913 439 00	100 006 719	50
50	M	SBH 50	20 000	913 440 00	100 006 720	50
50	F	SBH 50	20 000	913 441 00	100 006 721	50
50	VF	SBH 50	20 000	913 442 00	100 006 722	50
75	C	SBH 75	12 000	913 443 00	100 006 723	25
75	M	SBH 75	12 000	913 444 00	100 006 724	25
75	F	SBH 75	12 000	913 445 00	100 006 725	25
75	VF	SBH 75	12 000	913 446 00	100 006 726	25

Cleaning discs

FVOS Turn-On

Consist of synthetic fibre, mineral and resin. Especially suitable for tough mechanical cleaning jobs, weld cleaning and surface preparations.

Applications

max. 50 m/s

Diameter	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
50	SBH 50	12 000	908 017 00	100 010 430	25

Backing pads

SBH Turn-On

Backing pads with removable 6 mm threaded shaft for direct mounting to R/A sanders with 1/4" – 20 working spindle. Available in different degrees of hardness.

Diameter	Thread	Shaft	Hardness	max. Speed	ID-No.	Mat.-No.	
mm		mm		min-1			
19	1/4"	6	Medium	20 000	900 970 00	100 011 923	1
25	1/4"	6	Medium	20 000	900 971 00	100 011 924	1
50	1/4"	6	Medium	20 000	900 972 00	100 011 925	1
50	1/4"	6	Hard	20 000	900 973 00	100 011 926	1
75	1/4"	6	Medium	12 000	900 974 00	100 011 927	1
75	1/4"	6	Hard	12 000	900 975 00	100 011 928	1

SBH HP Turn-On

Backing pads with removable 6 mm threaded shaft for direct mounting to R/A sanders with 1/4" – 20 working spindle. Available in different degrees of hardness.

Execution HP: plate made of ribbed hard plastic. Particularly suitable for chamfering. Plate does not give.

Diameter	Thread	Shaft	Hardness	max. Speed	ID-No.	Mat.-No.	
mm		mm		min-1			
50	1/4"	6	Extra Hard	20 000	913 309 00	100 007 842	1

SBH M14 Turn-On

Backing pads with removable 6 mm threaded shaft for direct mounting to R/A sanders with 1/4" – 20 working spindle. Available in different degrees of hardness.

Execution M 14 Thread: For working directly on the angle grinder.

Diameter	Thread	Hardness	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	M 14	Medium	20 000	908 599 00	100 009 528	1
75	M 14	Medium	12 000	908 600 00	100 009 529	1

Sanding discs aluminium oxide

SB R VA/ST Roll-On

Universally usable, high-performance abrasive discs. Particularly suitable for steel and stainless steel.

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	36	SBH R 50	20 000	908 454 00	100 009 411	100
50	60	SBH R 50	20 000	908 455 00	100 009 412	100
50	80	SBH R 50	20 000	908 456 00	100 009 413	100
50	120	SBH R 50	20 000	908 764 00	100 009 678	100
75	36	SBH R 75	12 000	908 463 00	100 009 420	50
75	60	SBH R 75	12 000	908 464 00	100 009 421	50
75	80	SBH R 75	12 000	908 465 00	100 009 422	50
75	120	SBH R 75	12 000	908 765 00	100 009 679	50

Sanding discs zirconia aluminia

SB R VA Roll-On

Made of high-quality zirconia aluminia with a self-sharpening effect and active grinding layer. Impressively aggressive, cool grinding and high abrasion. Suitable for stainless steel and alloyed steel.

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	36	SBH R 50	20 000	908 451 00	100 009 408	100
50	60	SBH R 50	20 000	908 452 00	100 009 409	100
50	80	SBH R 50	20 000	908 453 00	100 009 410	100
50	120	SBH R 50	20 000	908 766 00	100 009 680	100
75	36	SBH R 75	12 000	908 460 00	100 009 417	50
75	60	SBH R 75	12 000	908 461 00	100 009 418	50
75	80	SBH R 75	12 000	908 462 00	100 009 419	50
75	120	SBH R 75	12 000	908 767 00	100 009 682	50

High performance ceramic sanding discs

SB R CE II Roll-On

Guarantee top performance, a uniform surface finish and lower grinding temperatures at a low contact pressure. Significantly higher abrasion rates and service life than high-quality, conventional abrasive discs. Low dust and heat production. Suitable for stainless steel, steel and hard aluminium alloys.

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	36	SBH R 50	20 000	912 608 00	100 007 271	100
50	60	SBH R 50	20 000	912 609 00	100 007 272	100
50	80	SBH R 50	20 000	912 610 00	100 007 273	100
50	120	SBH R 50	20 000	912 611 00	100 007 274	100
75	36	SBH R 75	12 000	912 612 00	100 007 275	50
75	60	SBH R 75	12 000	912 613 00	100 007 276	50
75	80	SBH R 75	12 000	912 614 00	100 007 277	50
75	120	SBH R 75	12 000	912 615 00	100 007 278	50

Structured Hook & Loop discs

SB R TZ Roll-On

For all grinding work all the way to pre-polishing. A pyramid structure allows you to skip stages of the work and therefore greatly reduce working times. Long service life. Suitable for all metals, especially titanium, nickel, cobalt, chrome and other stainless steel alloys.

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	A 160 (P120)	SBH R 50	20 000	915 311 00	100 006 952	100
50	A 100 (P220)	SBH R 50	20 000	915 329 00	100 053 435	100
50	A 80 (P 240)	SBH R 50	20 000	915 330 00	100 053 436	100
50	A 65 (P 280)	SBH R 50	20 000	915 331 00	100 053 437	100
50	A 45 (P 400)	SBH R 50	20 000	915 332 00	100 053 438	100
50	A 30 (P 600)	SBH R 50	20 000	915 312 00	100 006 953	100
50	A 16 (P 1 200)	SBH R 50	20 000	915 333 00	100 053 439	100
50	A 6 (P 2 500)	SBH R 50	20 000	915 334 00	100 053 440	100
75	A 160 (P 120)	SBH R 75	12 000	915 335 00	100 053 441	50
75	A 100 (P220)	SBH R 75	12 000	915 667 00	100 007 086	50
75	A 80 (P240)	SBH R 75	12 000	915 336 00	100 053 442	50
75	A 65 (P280)	SBH R 75	12 000	915 642 00	100 007 062	50
75	A 45 (P 400)	SBH R 75	12 000	915 668 00	100 007 087	50
75	A 30 (P 600)	SBH R 75	12 000	915 669 00	100 007 088	50
75	A 16 (P 1 200)	SBH R 75	12 000	915 670 00	100 007 089	50
75	A 6 (P 2 500)	SBH R 75	12 000	915 337 00	100 053 443	50

Sanding discs for aluminium

SB AL-W

The high-performance discs, AL-W type, have a coating developed especially for aluminium. Extremely efficient work with high removal rate and long service life. The disc does not become clogged and no additional lubricant is required also with soft aluminium.

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	Mat.-No.	
mm			min-1		
50	36	SBH R 50	20 000	101 002 403	100
50	60	SBH R 50	20 000	101 002 404	100
50	80	SBH R 50	20 000	101 002 405	100
50	120	SBH R 50	20 000	101 002 406	100
75	36	SBH R 75	12 000	101 002 407	50
75	60	SBH R 75	12 000	101 002 452	50
75	80	SBH R 75	12 000	101 002 408	50
75	120	SBH R 75	12 000	101 002 409	50

Sanding discs silicon carbide

FVVS R Roll-On

Offers high grain sharpness and cutting capacity. Works with low contact pressure. Suitable for processing stone, glass, stainless steel, titanium and plastics.

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	36	SBH R 50	20 000	908 457 00	100 009 414	100
50	60	SBH R 50	20 000	908 458 00	100 009 415	100
50	80	SBH R 50	20 000	908 459 00	100 009 416	100
50	120	SBH R 50	20 000	908 466 00	100 009 423	100
50	180	SBH R 50	20 000	908 467 00	100 009 424	100
50	240	SBH R 50	20 000	908 468 00	100 009 425	100

Reinforced non-woven discs

FVVS R Roll-On

Reducing roughness depths, removing heat tinting, smoothing surfaces, light cleaning and deburring work. For removing pre-grinding marks on any metal.

C = coarse, M = medium, VF = very fine

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	C	SBH R 50	20 000	908 477 00	100 009 434	50
50	M	SBH R 50	20 000	908 476 00	100 009 433	50
50	VF	SBH R 50	20 000	908 475 00	100 009 432	50
75	C	SBH R 75	12 000	908 480 00	100 009 437	25
75	M	SBH R 75	12 000	908 479 00	100 009 436	25
75	VF	SBH R 75	12 000	908 478 00	100 009 435	25

FVVB R Roll-On

The discs are flexible and adapt to the contours of the workpiece. Optimal for use in radii, e. g. for the finishing of sinks, turbine blades, etc.

C = coarse, M = medium, VF = very fine

Applications

max. 40 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
75	C	SBH R 50	5 500	913 331 00	100 007 863	25
75	M	SBH R 50	5 500	913 332 00	100 007 864	25
75	VF	SBH R 50	5 500	913 333 00	100 007 865	25

Open web non-woven discs

FVBS R Roll-On

For the fast, effective removal of light oxidation, for preparing parts for painting and high-gloss polishing.

C = coarse, M = medium, F = fine, VF = very fine

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	C	SBH R 50	20 000	913 046 00	100 007 626	50
50	C	SBH R 50	20 000	913 447 00	100 006 727	50
50	M	SBH R 50	20 000	913 448 00	100 006 728	50
50	F	SBH R 50	20 000	913 449 00	100 006 729	50
50	VF	SBH R 50	20 000	913 450 00	100 006 730	50
75	C	SBH R 75	12 000	913 451 00	100 006 731	25
75	M	SBH R 75	12 000	913 452 00	100 006 732	25
75	F	SBH R 75	12 000	913 453 00	100 006 733	25
75	VF	SBH R 75	12 000	913 454 00	100 006 734	25

Unitized non-woven abrasives

SUN-Press® R Roll-On

For all deburring, cleaning, blending and finishing needs up to pre-polishing. Time and cost saving: one work step only from grinding weld seams to perfect, shiny surfaces. Efficient and long service life on every material, especially stainless steel, titanium and aluminum.

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
75	2SF	SBH R 75	12 000	908 801 00	100 009 716	5
75	4SF	SBH R 75	12 000	909 624 00	100 008 853	5
75	6AF	SBH R 75	12 000	909 625 00	100 008 854	5
75	8AM	SBH R 75	12 000	908 800 00	100 009 715	5

SUN-Press PRO® Roll-On

Next generation - Premium unitized discs! Free from animal derived ingredients. Suitable for the processing of stainless steel in the food and pharma industry but also for general metal construction. Providing a high-quality finish without damaging the surface: Reduce grinding errors, time and therefore costs For all deburring, cleaning, blending and finishing needs up to pre-polishing. Time and cost saving: one work step only from grinding weld seams to perfect, shiny surfaces.

Applications

max. 50 m/s

Diameter	Width	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm	mm			min-1			
75	6	2SF	SBH R 75	12 000	913 464 00	100 006 744	10
75	6	6SF	SBH R 75	12 000	913 499 00	100 056 127	10
75	6	8AM	SBH R 75	12 000	913 488 00	100 006 762	10

Laminated cotton grinding discs

BVSB R Roll-On

Extraordinary grinding performance and lifetime when working on aluminum. Suitable for stainless steel, aluminum,titanium and plastics. 5 times the life cycle of nonwoven discs.

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	A 36	SBH R 50	20 000	908 779 00	100 009 694	5
50	A 80	SBH R 50	20 000	908 780 00	100 009 695	5
50	A 120	SBH R 50	20 000	908 781 00	100 009 696	5
75	A 36	SBH R 75	12 000	908 782 00	100 009 697	5
75	A 80	SBH R 75	12 000	908 783 00	100 009 698	5
75	A 120	SBH R 75	12 000	908 784 00	100 009 699	5

Mini flap discs

LFS R Roll-On

Cool, smooth and non-tiring grinding with an extremely long service life and consistent grinding performance. For use in Inox, cast iron, steel, chromium and nickel alloys.

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	40	SBH R 50	20 000	908 785 00	100 009 700	10
50	60	SBH R 50	20 000	908 786 00	100 009 701	10
50	80	SBH R 50	20 000	908 787 00	100 009 702	10
75	40	SBH R 75	12 000	908 788 00	100 009 703	10
75	60	SBH R 75	12 000	908 789 00	100 009 704	10
75	80	SBH R 75	12 000	908 790 00	100 009 705	10

LFS-F R Roll-On

Optimum cooling at discs and workpiece, perfect for use in curves and radii. For use in Inox, cast iron, steel, chromium and nickel alloys, non-ferrous metals and aluminum.

Applications

max. 50 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	40	SBH R 50	20 000	908 791 00	100 009 706	10
50	60	SBH R 50	20 000	908 792 00	100 009 707	10
50	80	SBH R 50	20 000	908 793 00	100 009 708	10
75	40	SBH R 75	12 000	908 794 00	100 009 709	10
75	60	SBH R 75	12 000	908 795 00	100 009 710	10
75	80	SBH R 75	12 000	908 796 00	100 009 711	10

Cleaning discs

FVOS R Roll-On

Consist of synthetic fibre, mineral and resin. Especially suitable for tough mechanical cleaning jobs, weld cleaning and surface preparations.

Applications

max. 30 m/s

Diameter	Grain size	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm			min-1			
50	50	SBH R 50	12 000	908 798 00	100 009 713	25

Plastic reinforced discs

BD R Roll-On

Ideal for removing rust, glue residue, paint, heat tinting, varnish; underseal; also suitable for blending in light scratches and for finishing.

Applications

max. 40 m/s

Diameter	Grain size	Color	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm				min-1			
50	36	Purble	SBH R 50	15 000	913 103 00	100 007 707	10
50	50	Green	SBH R 50	15 000	913 104 00	100 007 708	10
50	80	Yellow	SBH R 50	15 000	913 105 00	100 007 709	10
50	120	White	SBH R 50	15 000	913 106 00	100 007 710	10
75	36	Purble	SBH R 75	10 000	913 107 00	100 007 711	10
75	50	Green	SBH R 75	10 000	913 108 00	100 007 712	10
75	80	Yellow	SBH R 75	10 000	913 109 00	100 007 713	10
75	120	White	SBH R 75	10 000	913 110 00	100 007 714	10

Felt polishing discs

FPB R Roll-On

Optimum buffing of smaller surfaces. Can be used on stainless steel, steel, titanium, nonferrous metals and aluminum.

Applications

max. 40 m/s

Diameter	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
75	SBH R 50	5 500	913 334 00	100 007 866	25

FSB R Roll-On

Optimum buffing of smaller surfaces. Can be used on stainless steel, steel, titanium, nonferrous metals and aluminum.

Applications

max. 50 m/s

Diameter	Backing pad	max. Speed	ID-No.	Mat.-No.	
mm		min-1			
50	SBH R 50	20 000	908 926 00	100 009 789	50
75	SBH R 75	12 000	908 762 00	100 009 677	25

Backing pads

SBH R M14 Roll-On

Backing pads with removable 6 mm threaded shaft for direct mounting to R/A sanders with 1/4" – 20 working spindle. Available in different degrees of hardness.

Diameter	Thread	Shaft	Hardness	max. Speed	ID-No.	Mat.-No.	
mm		mm		min-1			
25	1/4"	6	Medium	12 000	908 797 00	100 009 712	1
50	1/4"	6	Medium	20 000	908 525 00	100 009 479	1
50	1/4"	6	Hard	20 000	909 104 00	100 009 910	1
75	1/4"	6	Medium	12 000	908 526 00	100 009 480	1
75	1/4"	6	Hard	20 000	913 308 00	100 007 841	1

SBH R HP Roll-On

Backing pads with removable 6 mm threaded shaft for direct mounting to R/A sanders with 1/4" – 20 working spindle. Available in different degrees of hardness.

Execution HP: plate made of ribbed hard plastic. Particularly suitable for chamfering. Plate does not give.

Diameter	Thread	Shaft	Hardness	max. Speed	ID-No.	Mat.-No.	
mm		mm		min-1			
50	1/4"	6	Extra Hard	20 000	913 310 00	100 007 843	1

SBH R M14 Roll-On

Backing pads with removable 6 mm threaded shaft for direct mounting to R/A sanders with 1/4" – 20 working spindle. Available in different degrees of hardness.

Execution M 14 Thread: For working directly on the angle grinder.

Diameter	Thread	Hardness	max. Speed	ID-No.	Mat.-No.	
mm						
50	M 14	Medium	20 000	908 601 00	100 009 530	1
75	M 14	Medium	12 000	908 602 00	100 009 531	1

Adapter

AD M14–1/4"

Adapter that fits standard SUN-fix grinding plate with 1/4" inner thread. For use with angle grinders.

Diameter	Width	Thread	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-¹			
18.5	20	M14 - 1/4"	20 000	913 307 00	100 007 840	1

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– Process optimization and inventory management.

ABRACare@Suhner

Abrasive inventory optimization for you!

- Automatic, demand-driven order triggering
- Inventory management
- Abrasive cabinet and tools
- Consignment warehouse, no downtime and guaranteed stock availability

Abrasive belts for belt sanders

Abrasive belts aluminium oxide

Type	BSGB AO
Applications	
Grain size	AO ▲ 40 – 400

Abrasive belts zirconia aluminia

Type	BSGB ZK
Applications	
Grain size	ZK ▲ 40 – 120

Structured abrasive belts

Type	BSGB TZ
Applications	
Grain size	AO ▲ A 160 (P 120) – A 6 (P 2500)

Non-woven belts

Type	BSGB FVV
Applications	
Grain size	AO = C, M, VF SC = SF Talc = UF

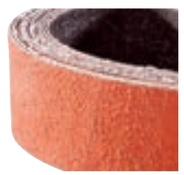
Abrasive belts compact grain

Type	BSGB CG
Applications	
Grain size	AO ▲ 120 – 180

Abrasive belts ceramic

Type	BSGB CE-11
Applications	
Grain size	CE ▲ 40 – 120

Abrasive belts ceramic +



Type	BSGB CE-21
Applications	
Grain size	CE – AO Mix ▲ 40 – 120

High performance ceramic abrasive belts

Type	BSGB CE II
Applications	
Grain size	CE II ▲ 36 – 80

Upon request, we are also happy to offer long belts in their required quality:
- Dimensions width up to 300 mm and length up to 25000 mm
- Carrier material from extremely flexible to extremely robust
- Various types of belt joints

Applications

Material removal, Surface sanding,
Deburring, Scratch removal, Fine sanding,
Mat finishing, Blending & polishing.

Abrasive belts aluminium oxide

BSGB AO

Universal abrasive belt for coarse to medium grinding work. Offers long service life and cool grinding. Suitable for stainless steel and unalloyed steel.

Other dimensions and grits on request.

Applications

max. 40 m/s

Width	Length	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-¹			
6	305	100	20 000	908 345 00	100 009 308	20
6	520	180	16 000	907 918 00	100 010 383	20
6	520	240	16 000	907 919 00	100 010 384	20
6	520	320	16 000	907 920 00	100 010 385	20
12	305	100	20 000	908 353 00	100 009 316	20
12	305	180	20 000	908 355 00	100 009 318	20
12	305	240	20 000	908 356 00	100 009 319	20
12	305	320	20 000	908 357 00	100 009 320	20
12	520	180	16 000	907 921 00	100 010 386	20
12	520	240	16 000	907 922 00	100 010 387	20
12	520	320	16 000	907 923 00	100 010 388	20
16	520	180	16 000	907 924 00	100 010 389	20
16	520	240	16 000	907 925 00	100 010 390	20
19	520	180	16 000	907 927 00	100 010 464	20
19	520	240	16 000	907 928 00	100 010 465	20
19	520	320	16 000	907 929 00	100 010 466	20
30	533	40	9 000	908 955 00	100 009 809	20
30	533	60	9 000	908 585 00	100 009 516	20
30	533	80	9 000	908 586 00	100 009 517	20
30	533	100	9 000	908 587 00	100 009 518	20
30	533	120	9 000	908 588 00	100 009 519	20
30	533	150	9 000	908 589 00	100 009 520	20
30	533	180	9 000	908 590 00	100 009 521	20
30	610	40	9 000	909 694 00	100 008 885	20
30	610	60	9 000	909 695 00	100 008 886	20
30	610	80	9 000	909 696 00	100 008 887	20
30	610	120	9 000	909 698 00	100 008 889	20
30	610	180	9 000	909 700 00	100 008 891	20
35	450	60	7 000	901 235 00	100 011 953	20
35	450	80	7 000	901 236 00	100 011 954	20
35	450	120	7 000	901 238 00	100 011 956	20
35	450	180	7 000	901 240 00	100 011 958	20
35	450	220	7 000	901 241 00	100 011 959	20
35	450	240	7 000	901 242 00	100 011 960	20
40	505	60	5 000	901 227 00	100 011 946	20
40	505	80	5 000	901 228 00	100 011 947	20
40	505	120	5 000	901 230 00	100 011 949	20
50	450	40	7 000	904 100 00	100 011 314	20
50	450	60	7 000	901 245 00	100 011 963	20
50	450	80	7 000	901 246 00	100 011 964	20
50	450	100	7 000	901 247 00	100 011 965	20
50	450	120	7 000	901 248 00	100 011 966	20
50	450	180	7 000	901 250 00	100 011 968	20
50	450	220	7 000	901 251 00	100 011 969	20
50	450	240	7 000	901 252 00	100 011 970	20

Width	Length	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-¹			
50	450	320	7 000	901 253 00	100 011 971	20
63	950	60	5 000	901 255 00	100 011 973	20
63	950	80	5 000	901 256 00	100 011 974	20
63	950	120	5 000	901 258 00	100 011 976	20

Abrasive belts zirconia aluminia

BSGB ZK

Made of high-quality zirconia alumina with self-sharpening effect. For machining tough workpiece surfaces. Convinces with an aggressive grinding and very high stock removal. Suitable for stainless steel, unalloyed steel and non-ferrous metals.

Other dimensions and grits on request.

Applications

max. 40 m/s

Width	Length	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-¹			
3	305	60	20 000	908 338 00	100 010 670	20
3	305	80	20 000	908 339 00	100 009 302	20
3	305	120	20 000	908 341 00	100 009 304	20
6	305	60	20 000	908 343 00	100 009 306	20
6	305	80	20 000	908 344 00	100 009 307	20
6	305	120	20 000	908 346 00	100 009 309	20
6	520	40	16 000	900 835 00	100 011 837	20
6	520	60	16 000	900 836 00	100 011 838	20
6	520	80	16 000	900 837 00	100 011 839	20
6	520	100	16 000	900 838 00	100 011 840	20
6	520	120	16 000	900 839 00	100 011 841	20
12	305	40	20 000	908 350 00	100 009 313	20
12	305	60	20 000	908 351 00	100 009 314	20
12	305	80	20 000	908 352 00	100 009 315	20
12	305	120	20 000	908 354 00	100 009 317	20
12	520	40	16 000	900 845 00	100 011 845	20
12	520	60	16 000	900 846 00	100 011 846	20
12	520	80	16 000	900 847 00	100 011 847	20
12	520	100	16 000	900 848 00	100 011 848	20
12	520	120	16 000	900 849 00	100 011 849	20
16	520	40	16 000	900 855 00	100 011 853	20
16	520	60	16 000	900 856 00	100 011 854	20
16	520	80	16 000	900 857 00	100 011 855	20
16	520	120	16 000	900 859 00	100 011 857	20
19	520	40	16 000	900 874 00	100 011 867	20
19	520	60	16 000	900 875 00	100 011 868	20
19	520	80	16 000	900 876 00	100 011 869	20
19	520	100	16 000	900 877 00	100 011 870	20
19	520	120	16 000	900 878 00	100 011 871	20

Ceramic abrasive belts

BSG CE-11

Performs impressively when processing very hard surfaces on account of aggressive grinding and a very long service life in diverse applications. With additional active grinding layer: reduces the temperature in the grinding zone. Suitable for stainless steel, superalloys, non-ferrous metals and aluminium.

Other dimensions and grits on request.

Applications

max. 40 m/s

Width	Length	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
30	533	40	9 000	913 359 00	100 007 891	20
30	533	60	9 000	913 360 00	100 007 892	20
30	533	80	9 000	913 361 00	100 007 893	20
30	533	120	9 000	913 362 00	100 007 894	20
30	610	40	9 000	913 363 00	100 007 895	20
30	610	60	9 000	913 364 00	100 007 896	20
30	610	80	9 000	913 365 00	100 007 897	20
30	610	120	9 000	913 366 00	100 007 898	20
50	450	40	7 000	913 355 00	100 007 887	20
50	450	60	7 000	913 356 00	100 007 888	20
50	450	80	7 000	913 357 00	100 007 889	20
50	450	120	7 000	913 358 00	100 007 890	20

High performance ceramic abrasive belts

BSGB CE II-22

Significantly higher abrasion rates and service life than high-quality, conventional abrasive belts. Low dust and heat production. Requires less pressure. Suitable forstainless steel.

Other dimensions and grits on request.

Applications

max. 40 m/s

Width	Length	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
3	520	40	16 000	913 501 00	100 006 789	20
3	520	60	16 000	913 502 00	100 006 790	20
3	520	80	16 000	913 503 00	100 006 791	20
3	520	120	16 000	913 504 00	100 006 792	20
6	520	40	16 000	913 505 00	100 053 389	20
6	520	60	16 000	913 506 00	100 053 390	20
6	520	80	16 000	913 507 00	100 053 391	20
6	520	120	16 000	913 508 00	100 053 392	20
6	610	40	16 000	913 509 00	100 053 393	20
6	610	60	16 000	913 510 00	100 053 394	20
6	610	80	16 000	913 511 00	100 053 395	20
6	610	120	16 000	913 512 00	100 053 396	20
12	520	40	16 000	913 513 00	100 055 832	20
12	520	60	16 000	913 514 00	100 053 398	20
12	520	80	16 000	913 515 00	100 053 399	20
12	520	120	16 000	913 516 00	100 053 400	20
13	610	40	16 000	913 517 00	100 053 401	20
13	610	60	16 000	913 518 00	100 053 402	20
13	610	80	16 000	913 519 00	100 053 403	20
13	610	120	16 000	913 520 00	100 053 404	20
30	533	40	9 000	913 521 00	100 053 405	20
30	533	60	9 000	913 522 00	100 053 406	20
30	533	80	9 000	913 523 00	100 053 407	20
30	533	120	9 000	913 524 00	100 053 408	20
30	610	40	9 000	913 525 00	100 053 409	20
30	610	60	9 000	913 526 00	100 053 410	20
30	610	80	9 000	913 527 00	100 053 411	20
30	610	120	9 000	913 528 00	100 053 412	20
35	450	36	7 000	913 280 00	100 007 813	20
35	450	60	7 000	913 281 00	100 007 814	20
35	450	80	7 000	913 282 00	100 007 815	20
50	450	40	7 000	913 529 00	100 053 413	20
50	450	60	7 000	913 530 00	100 053 414	20
50	450	80	7 000	913 531 00	100 053 415	20
50	450	120	7 000	913 532 00	100 053 416	20

Structured abrasive belts

BSGB TZ

For all grinding work all the way to pre-polishing. A pyramid structure allows you to skip stages of the work and therefore greatly reduce working times. Long service life. Suitable for all metals, especially titanium, nickel, cobalt, chrome and other stainless steel alloys.

Other dimensions and grits on request.

Applications

max. 40 m/s

Width	Length	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
6	520	A 160 (P 120)	16 000	908 827 00	100 009 738	20
6	520	A 100 (P 220)	16 000	908 828 00	100 009 739	20
6	520	A 65 (P 280)	16 000	908 830 00	100 009 741	20
6	520	A 45 (P 400)	16 000	908 831 00	100 009 742	20
6	520	A 30 (P 600)	16 000	908 832 00	100 009 743	20
6	520	A 16 (P 1 200)	16 000	908 833 00	100 009 744	20
12	520	A 160 (K 120)	16 000	908 834 00	100 009 745	20
12	520	A 100 (K220)	16 000	908 835 00	100 009 746	20
12	520	A 65 (K 280)	16 000	908 837 00	100 009 748	20
12	520	A 45 (K 400)	16 000	908 838 00	100 009 749	20
12	520	A 30 (K 600)	16 000	908 839 00	100 009 750	20
12	520	A 16 (K 1 200)	16 000	908 840 00	100 009 751	20
19	520	A 160 (K 120)	16 000	909 844 00	100 009 004	20
19	520	A 100 (K220)	16 000	909 845 00	100 009 005	20
19	520	A 65 (K 280)	16 000	909 846 00	100 009 006	20
19	520	A 45 (K 400)	16 000	909 847 00	100 009 007	20
19	520	A 30 (K 600)	16 000	909 848 00	100 009 008	20
19	520	A 6 (K 2 500)	16 000	909 850 00	100 009 010	20
30	533	A 160 (K 120)	9 000	908 841 00	100 009 752	20
30	533	A 100 (K220)	9 000	908 842 00	100 009 753	20
30	533	A 65 (K 280)	9 000	908 844 00	100 009 755	20
30	533	A 45 (K 400)	9 000	908 845 00	100 009 756	20
30	533	A 30 (K 600)	9 000	908 846 00	100 009 757	20
30	533	A 16 (K 1 200)	9 000	908 847 00	100 009 758	20
30	533	A 6 (K 2 500)	9 000	909 086 00	100 009 899	20
30	610	A 160 (K 120)	9 000	909 705 00	100 008 896	20
30	610	A 100 (K220)	9 000	909 706 00	100 008 897	20
30	610	A 65 (K 280)	9 000	909 708 00	100 008 899	20
30	610	A 45 (K 400)	9 000	909 709 00	100 008 900	20
30	610	A 30 (K 600)	9 000	909 710 00	100 008 901	20
30	610	A 16 (K 1 200)	9 000	909 711 00	100 008 902	20
30	610	A 6 (K 2 500)	9 000	909 712 00	100 008 903	20
50	450	A 160 (K 120)	7 000	908 820 00	100 009 731	20
50	450	A 100 (K220)	7 000	908 821 00	100 009 732	20
50	450	A 65 (K 280)	7 000	908 823 00	100 009 734	20
50	450	A 45 (K 400)	7 000	908 824 00	100 009 735	20
50	450	A 30 (K 600)	7 000	908 825 00	100 009 736	20
50	450	A 16 (K 1 200)	7 000	908 826 00	100 009 737	20
50	450	A 6 (K 2 500)	7 000	909 085 00	100 009 898	20

Abrasive belts compact grain

BSGB CG

Very sparsely spread abrasive belts featuring continuous self-sharpening. High abrasion while maintaining uniform and constant surface roughness. Very long service life.

Other dimensions and grits on request.

Applications

max. 40 m/s

Width	Length	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
30	533	120	9 000	913 378 00	100 007 910	20
30	533	180	9 000	913 379 00	100 007 911	20
30	610	120	9 000	913 376 00	100 007 908	20
30	610	180	9 000	913 377 00	100 007 909	20
50	450	120	7 000	913 380 00	100 007 912	20
50	450	180	7 000	913 381 00	100 007 913	20

Non-woven belts

BSGB FVV

Non-woven nylon fabric on an open textile backing with in-built grinding agent. For a metallically pure finish. For deburring, matting and finishing any stainless steel and steel components. Produces a uniform decorative finish on stainless steel and non-ferrous metals.

Other dimensions and grits on request.

C = coarse, M = medium, VF = very fine, SF = super fine, UF = ultra fine

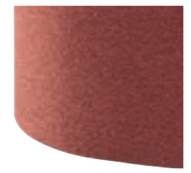
Applications

max. 30 m/s

Width	Length	Grain size	Color	max. Speed	ID-No.	Mat.-No.	
mm	mm			min-¹			
6	305	C	Brown	20 000	908 922 00	100 009 785	20
6	305	M	Red	20 000	908 358 00	100 009 321	20
6	305	VF	Blue	20 000	908 359 00	100 009 322	20
6	305	SF	Gray	20 000	908 360 00	100 009 323	20
6	520	C	Brown	16 000	900 860 00	100 011 858	20
6	520	M	Red	16 000	900 861 00	100 011 859	20
6	520	VF	Blue	16 000	900 862 00	100 011 860	20
6	520	UF	White	16 000	908 715 00	100 009 636	20
9	305	M	Red	20 000	908 361 00	100 009 324	20
9	305	VF	Blue	20 000	908 362 00	100 009 325	20
9	305	SF	Gray	20 000	908 363 00	100 009 326	20
12	520	C	Brown	16 000	900 863 00	100 011 861	20
12	520	M	Red	16 000	900 864 00	100 011 862	20
12	520	VF	Blue	16 000	900 865 00	100 011 863	20
12	520	SF	Gray	16 000	908 701 00	100 009 624	20
12	520	UF	White	16 000	908 716 00	100 009 637	20
16	520	C	Brown	16 000	900 866 00	100 011 864	20
16	520	M	Red	16 000	900 867 00	100 011 865	20
16	520	VF	Blue	16 000	900 868 00	100 011 866	20
19	520	C	Brown	16 000	900 879 00	100 011 872	20
19	520	M	Red	16 000	900 880 00	100 011 873	20
19	520	VF	Blue	16 000	900 881 00	100 011 874	20
19	520	SF	Gray	16 000	908 702 00	100 009 625	20
19	520	UF	White	16 000	908 813 00	100 009 725	20
30	533	C	Brown	9 000	908 591 00	100 009 522	5
30	533	M	Red	9 000	908 592 00	100 009 523	5
30	533	VF	Blue	9 000	908 593 00	100 009 524	5
30	533	SF	Gray	9 000	908 703 00	100 009 626	5
30	533	UF	White	9 000	908 699 00	100 009 622	5
30	610	C	Brown	9 000	909 701 00	100 008 892	5
30	610	M	Red	9 000	909 702 00	100 008 893	5
30	610	VF	Blue	9 000	909 703 00	100 008 894	5
30	610	SF	Gray	9 000	909 704 00	100 008 895	5
30	610	UF	White	9 000	909 766 00	100 008 949	5
50	450	C	Brown	5 700	907 103 00	100 010 204	5
50	450	M	Red	5 700	907 038 00	100 010 161	5
50	450	VF	Blue	5 700	903 444 00	100 011 206	5
50	450	SF	Gray	5 700	907 628 00	100 010 318	5
50	450	UF	White	5 700	907 027 00	100 010 160	5
63	950	C	Brown	3 200	907 954 00	100 010 484	5
63	950	M	Red	3 200	907 104 00	100 010 205	5
63	950	VF	Blue	3 200	903 445 00	100 011 208	5

Grinding tools for satin finishing machines

Abrasive belts aluminium oxide

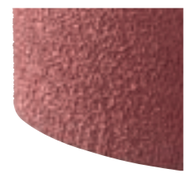


Type	ESWB AO
Applications	
Grain size	AO ▲ 40 – 180

Ceramic abrasive belts

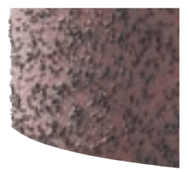
Type	ESWB CE-11
Applications	
Grain size	CE ▲ 40 – 120

High performance ceramic abrasive belts



Type	ESWB CE II
Applications	
Grain size	CE II ▲ 36 – 80

Abrasive sleeves compact grain

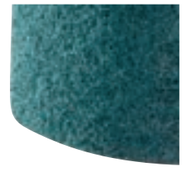


Type	ESWB CG
Applications	
Grain size	AO ▲ 120 – 180

Structured abrasive belts

Type	ESWB TZ
Applications	
Grain size	AO ▲ A 300 (P 80) – A 6 (P 2500)

Non-woven belts



Type	ESWB FVV
Applications	
Grain size	AO ▲ C, M, VF

Clean and strip wheels

Type	FVOW
Applications	
Grain size	SC-Reinforced non-woven fibre

Flap wheels

Type	FSW, FSSW
Applications	
Grain size	AO ▲40 – 120

Combi flap wheels

Type	FVSW
Applications	
Grain size	AO ▲40M – 120F

Non-woven fibre wheels

Type	FVVW, FVVGW
Applications	
Grain size	AO = ▲100 – 280 SC = ▲500

Impregnated non-woven fibre wheels

Type	FVVW CRS
Applications	
Grain size	SC

Flexible abrasive wheels

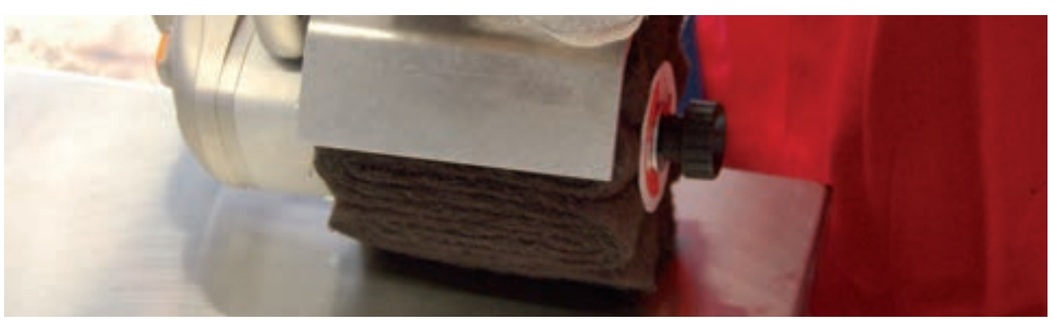
Type	KEFR
Applications	
Grain size	SC ▲24W

Machine / abrasive matrix

Motors	Abrasives	Applications	Optimal cutting speed m/s						
									max.
	 **ESWB CE, CE II**	General grinding	25	–	30	30	10	10	**35**
	 **ESWB AO, PSWB ZK**	Fine grinding	25	15	30	30	10	10	**35**
	 **ESWB / PSWB FVV**	Refining, satin finishing, polishing, cleaning	15	15	–	–	10	10	**30**
	 **FVSW**	Cleaning, fine grinding, descaling, refining	18	15	–	–	10	10	**30**
	 **FSW, FSSW**	General grinding	20	15	20	20	15	15	**35**
	 **FVVW, FVVGW**	Refining, satin finishing, polishing, cleaning	10	10	–	–	10	10	**20**
	 **KEFR**	Refining, satin finishing, polishing	10	10	–	–	10	10	**15**
	 **FVVW CRS**	Refining, satin finishing, polishing	15	10	–	15	–	–	**20**

Applications

Surface sanding, Cleaning, Scratch removal, Fine sanding, Satin finishing, Hairline finishing, Blending & Finishing.



Abrasive belts aluminium oxide

ESWB AO

Universal abrasive belt for coarse to medium grinding work. Offers long service life and cool grinding. Suitable for stainless steel and unalloyed steel.

Applications

max. 35 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
90	100	40	6 900	908 960 00	100 009 814	10
90	100	60	6 900	908 961 00	100 009 815	10
90	100	80	6 900	908 962 00	100 009 816	10
90	100	120	6 900	908 964 00	100 009 818	10
90	100	180	6 900	908 966 00	100 009 819	10
100	100	40	6 900	908 737 00	100 009 652	10
100	100	60	6 900	908 738 00	100 009 653	10
100	100	80	6 900	908 739 00	100 009 654	10
100	100	120	6 900	908 740 00	100 009 655	10
100	100	180	6 900	908 741 00	100 009 656	10

Ceramic abrasive belts

ESWB CE-11

Performs impressively when processing very hard surfaces on account of aggressive grinding and a very long service life in diverse applications. With additional active grinding layer: reduces the temperature in the grinding zone. Suitable for stainless steel, superalloys, non-ferrous metals and aluminium.

Applications

max. 35 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
100	100	40	6 900	913 386 00	100 007 918	10
100	100	60	6 900	913 371 00	100 007 903	10
100	100	80	6 900	913 372 00	100 007 904	10
100	100	120	6 900	913 373 00	100 007 905	10

High performance ceramic abrasive belts

ESWB CE II-22

Significantly higher abrasion rates and service life than high-quality, conventional abrasive belts. Low dust and heat production. Requires less pressure. Suitable for stainless steel, steel, non-ferrous metals and aluminium.

Applications

max. 35 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
90	100	40	6 900	913 537 00	100 053 421	10
90	100	60	6 900	913 538 00	100 053 422	10
90	100	80	6 900	913 539 00	100 053 423	10
90	100	120	6 900	913 540 00	100 053 424	10
100	100	40	6 900	913 533 00	100 053 417	10
100	100	60	6 900	913 534 00	100 053 418	10
100	100	80	6 900	913 535 00	100 053 419	10
100	100	120	6 900	913 536 00	100 053 420	10

Abrasive sleeves compact grain

ESWB CG

Very sparsely spread abrasive sleeves featuring continuous self-sharpening. High abrasion while maintaining uniform and constant surface roughness. Very long service life.

Applications

max. 35 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
100	100	120	6 900	913 374 00	100 007 906	10
100	100	180	6 900	913 375 00	100 007 907	10

Structured abrasive belts

ESWB TZ

For all grinding work all the way to pre-polishing. A pyramid structure allows you to skip stages of the work and therefore greatly reduce working times. Long service life. Suitable for all metals, especially titanium, nickel, cobalt, chrome and other stainless steel alloys.

Applications

max. 35 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
90	100	A 160 (P 120)	6 900	908 971 00	100 009 823	10
90	100	A 100 (P 220)	6 900	908 972 00	100 009 824	10
90	100	A 65 (P 280)	6 900	908 973 00	100 009 825	10
90	100	A 45 (P 400)	6 900	908 974 00	100 009 826	10
90	100	A 30 (P 600)	6 900	909 373 00	100 008 662	10
90	100	A 16 (P 1 200)	6 900	909 374 00	100 008 663	10
90	100	A 6 (P 2 500)	6 900	909 375 00	100 008 664	10
100	100	A 300 (P 80)	6 900	909 488 00	100 008 750	10
100	100	A 160 (P 120)	6 900	908 745 00	100 009 660	10
100	100	A 100 (P 220)	6 900	908 746 00	100 009 661	10
100	100	A 65 (P 280)	6 900	908 747 00	100 009 662	10
100	100	A 45 (P 400)	6 900	908 748 00	100 009 663	10
100	100	A 30 (P 600)	6 900	909 377 00	100 008 665	10
100	100	A 16 (P 1 200)	6 900	909 378 00	100 008 666	10
100	100	A 6 (P 2 500)	6 900	909 379 00	100 008 667	10

Non-woven belts

ESWB FVV

Non-woven nylon fabric on an open textile backing with in-built grinding agent. For a metallically pure finish. For deburring, matting and finishing any stainless steel and steel components. Produces a uniform decorative finish on stainless steel and non-ferrous metals.

C = coarse, M = medium, VF = very fine

Applications

max. 30 m/s

Diameter	Width	Grain size	max. Speed	Color	ID-No.	Mat.-No.	
mm	mm		min-1				
90	100	C	5 500	Brown	908 968 00	100 009 820	5
90	100	M	5 500	Red	908 969 00	100 009 821	5
90	100	VF	5 500	Blue	908 970 00	100 009 822	5
100	100	C	5 500	Brown	908 742 00	100 009 657	5
100	100	M	5 500	Red	908 743 00	100 009 658	5
100	100	VF	5 500	Blue	908 744 00	100 009 659	5

Elastic drum

ESW

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
90	100	19	6 900	908 959 00	100 009 813	1
100	100	19	6 900	908 736 00	100 009 651	1

Pneumatic drum

PSW

For variable hardness levels.

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
90	100	19	6 900	909 351 00	100 008 647	1
100	100	19	6 900	913 054 00	100 007 634	1

Clean and strip wheels

FVOW

Made of synthetic fibres, abrasive grain and resin. For removing heavy corrosion, mill scale on hot-rolled steels, stubborn paint layers on metals and heat tinting. Ideal for stainless steels. For metallically clean surfaces.

Applications

max. 30 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
100	100	19	5 700	907 895 00	100 010 367	1

Flap wheels

FSW

Permanently sharp abrasive grain, because ribs wear down uniformly. High flexibility combined with a good abrasion rate. For fine grinding on large radii, removing major unevennesses and achieving fine surfaces in container, kitchen and apparatus construction.

Applications

max. 35 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
100	100	19	40	6 700	907 884 00	100 010 360	1
100	100	19	60	6 700	907 885 00	100 010 361	1
100	100	19	80	6 700	907 886 00	100 010 362	1
100	100	19	120	6 700	907 887 00	100 010 363	1

Combi flap wheels

FVSW

Combination of grinding fabric and non-woven ribs with synthetic resin bonding. A grinding fabric inlay achieves a rougher grinding pattern and greater material removal. Ideal for removing fine scratches, satin finishing and fine grinding.

M = medium, F = fine

Applications

max. 30 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
105	100	19	40M	5 700	907 876 00	100 010 354	1
105	100	19	60M	5 700	907 877 00	100 010 355	1
105	100	19	120F	5 700	907 878 00	100 010 356	1

Non-woven fibre wheels

FVVW

Soft version with low grain count for softer grinding and a finer finish on stainless steels. The rollers adapt themselves, even to shaped workpieces. For producing matt surfaces, depending on grain: line finishing (P 100 – P 180), satin finishing P 280) silk finishing (P 500).

Applications

max. 30 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
110	100	19	80	5 700	908 769 00	100 009 684	1
110	100	19	100	5 700	907 881 00	100 010 357	1
110	100	19	180	5 700	907 882 00	100 010 358	1
110	100	19	280	5 700	907 883 00	100 010 359	1
110	100	19	500	5 700	909 326 00	100 008 629	1

Folded non-woven fibre wheels

FVVGW

Folded grinding fabric enables line finishing with virtually no start-marks, especially on stainless steel surfaces.

Applications

max. 30 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
100	100	19	80	4 800	915 116 00	100 006 845	1
100	100	19	100	5 700	908 750 00	100 009 665	1
100	100	19	180	5 700	908 751 00	100 009 666	1
100	100	19	280	5 700	908 752 00	100 009 667	1
100	100	19	500	5 700	909 337 00	100 008 640	1

Impregnated non-woven fibre wheel

FVVW CRS

Ideal for finishing, blending and polishing applications on stainless steel. Can also be used for light deburring, scratch removal and constant cleaning. Produces a neat grinding pattern. Ideal for mitre joint sanding on square pipe profiles.

C = coarse

Applications

max. 20 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
110	100	19	C	3 400	909 840 00	100 009 003	1

Rubber bonded grinding rollers

KEFR

Rubber bonded, for stainless steels, nonferrous metals, plastics, etc. Preferably for brushed lined matt finish, discs adapt to slight irregularities. Pattern is clean and straight, surface appears coarse but is smooth.

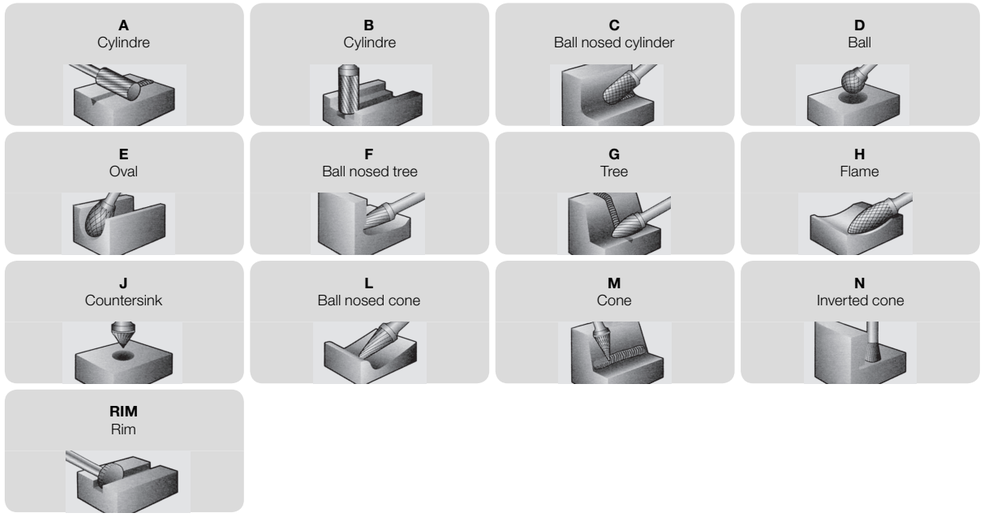
Applications

max. 15 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
100	100	19	24W	3 000	908 382 00	100 009 343	1

Tungsten carbide burrs

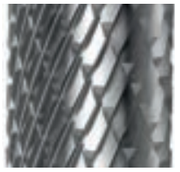
Shape



N – Standard cut

Type	HM N
Applications	

NK – Double cut



Type	HM NK
Applications	

NKC – Chip break cut

Type	HM NKC
Applications	

NKD – Special coarse cut

Type	HM NKD
Applications	

NK-S – Steel cut

Type	HM NK-S
Applications	

N-IX – Inox cut

Type	HM N-IX
Applications	

GA – Aluminium cut

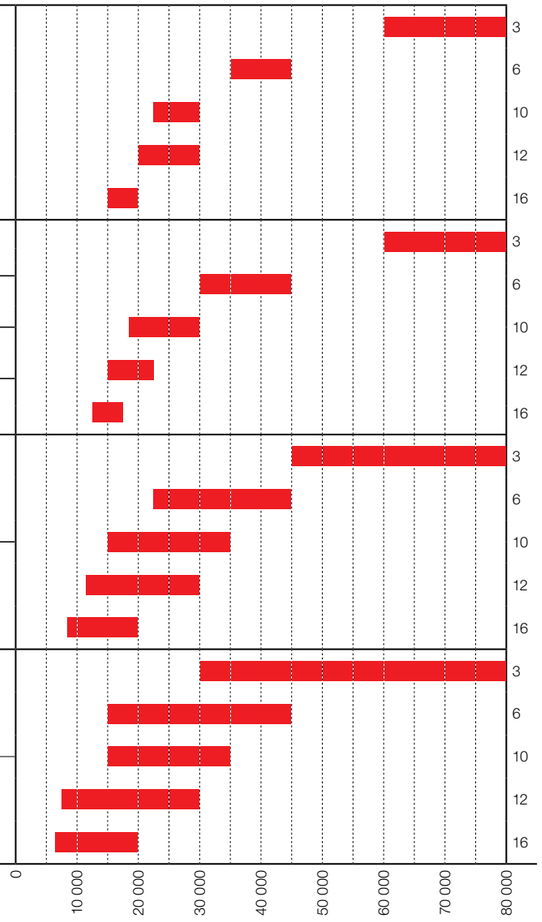
Type	HM GA
Applications	

Applications

Beveling, Deburring, Milling, Weld removal, Fettling, Enlarge bore holes and slots.

Efficient working speed

Material	Cut Style	ø mm
Steel	N, NK, NKC, NKD, NK-S	3, 6, 10, 12, 16
Hard steels	N, NK, NK-S	3, 6, 10, 12, 16
Stainless steels	N, NK, NKC, NKD, N-IX	
Titanium	N, NK, NKD	
Nickel	N, NK, NKD	
Cast iron	N, NK, NKD	3, 6, 10, 12, 16
Copper/Copper alloys	N, NK, NKC, NKD	
Aluminium	GA	3, 6, 10, 12, 16
Plastics	GA	



N – Standard cut

HM A-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	38	90 000	912 003 00	100 008 375	1
6 x 13	3	45	50 000	912 006 00	100 008 377	1
6 x 19	6	50	50 000	912 012 00	100 008 379	1
8 x 19	6	65	40 000	912 015 00	100 008 382	1
10 x 19	6	65	40 000	912 018 00	100 008 384	1
12 x 19	6	65	35 000	912 022 00	100 008 387	1
12 x 25	6	70	35 000	912 025 00	100 008 389	1
16 x 25	8	70	25 000	912 033 00	100 008 392	1

HM B-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	63	90 000	912 419 00	100 008 573	1
3 x 13	3	38	90 000	912 042 00	100 008 395	1
6 x 13	6	45	50 000	912 045 00	100 008 397	1
6 x 19	6	75	50 000	912 425 00	100 008 574	1
6 x 19	6	50	50 000	912 051 00	100 008 399	1
8 x 19	8	65	40 000	912 054 00	100 008 401	1
10 x 19	6	65	40 000	912 057 00	100 008 403	1
12 x 19	6	65	35 000	912 061 00	100 008 406	1
12 x 25	6	70	35 000	912 064 00	100 008 408	1
16 x 25	6	70	25 000	912 072 00	100 008 411	1

HM C-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	38	90 000	912 099 00	100 008 423	1
6 x 13	3	45	50 000	912 102 00	100 008 426	1
6 x 19	6	50	50 000	912 105 00	100 008 428	1
10 x 19	6	65	40 000	912 112 00	100 008 434	1
12 x 19	6	65	35 000	912 116 00	100 008 438	1
12 x 25	6	70	35 000	912 120 00	100 008 442	1
16 x 25	6	70	25 000	912 128 00	100 008 446	1

HM D-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 2.7	3	38	90 000	912 201 00	100 008 485	1
4 x 3.6	3	45	80 000	912 207 00	100 008 491	1
6 x 5.4	6	50	50 000	912 210 00	100 008 493	1
6 x 5.4	3	38	50 000	912 204 00	100 008 488	1
8 x 7.2	6	52	40 000	912 213 00	100 008 495	1
10 x 9	6	53	40 000	912 216 00	100 008 498	1
12 x 10.8	6	55	35 000	912 220 00	100 008 502	1
16 x 14.4	6	60	25 000	912 228 00	100 008 506	1
19 x 17.1	6	63	20 000	912 234 00	100 008 508	1
19 x 17.1	8	63	20 000	912 236 00	100 008 509	1

HM E-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 6	3	38	90 000	912 267 00	100 008 531	1
6 x 10	3	42	50 000	912 270 00	100 008 533	1
8 x 13	6	58	40 000	912 273 00	100 008 535	1
10 x 16	6	60	40 000	912 276 00	100 008 537	1
12 x 22	6	67	35 000	912 280 00	100 008 541	1
16 x 25	6	70	25 000	912 288 00	100 008 545	1

HM F-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	38	90 000	912 238 00	100 008 511	1
6 x 13	3	45	50 000	912 241 00	100 008 513	1
6 x 16	6	50	40 000	912 244 00	100 008 515	1
10 x 19	6	65	40 000	912 247 00	100 008 518	1
12 x 25	6	70	35 000	912 251 00	100 008 522	1
16 x 25	6	70	25 000	912 259 00	100 008 526	1

HM G-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	38	90 000	912 172 00	100 008 465	1
6 x 13	3	45	50 000	912 175 00	100 008 467	1
6 x 16	6	50	50 000	912 178 00	100 008 469	1
10 x 19	6	65	40 000	912 181 00	100 008 472	1
12 x 19	6	65	35 000	912 184 00	100 008 475	1
12 x 25	6	70	35 000	912 187 00	100 008 477	1
16 x 25	6	70	25 000	912 195 00	100 008 481	1

HM H-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 14 - 22 m/s

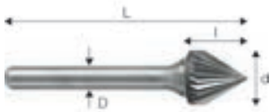
(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 8	3	38	90 000	912 294 00	100 008 548	1
6 x 14	6	50	50 000	912 297 00	100 008 550	1
8 x 19	6	65	40 000	912 300 00	100 008 552	1
12 x 32	6	77	35 000	912 303 00	100 008 555	1

HM J-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 14 - 22 m/s



(d) x (l)	Shaft (D)	Overall length (L)	Angle	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	°	min-1			
12 x 11	6	60	60	35 000	912 311 00	100 008 560	1
10 x 5	6	55	90	50 000	912 314 00	100 008 562	1
16 x 8	6	60	90	25 000	912 315 00	100 008 563	1

HM L-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Angle	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	°	min-1			
3 x 8	3	38	14	90 000	912 138 00	100 008 450	1
6 x 13	3	45	14	50 000	912 139 00	100 008 451	1
6 x 16	6	50	14	50 000	912 142 00	100 008 453	1
10 x 19	6	65	14	40 000	912 145 00	100 008 455	1
10 x 27	6	75	14	40 000	912 150 00	100 008 458	1
12 x 30	6	75	14	35 000	912 475 00	100 007 308	1
16 x 33	6	78	14	25 000	912 483 00	100 007 312	1

HM M-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Angle	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	°	min-1			
3 x 11	3	38	14	90 000	912 078 00	100 008 414	1
6 x 13	3	45	22	50 000	912 081 00	100 008 415	1
6 x 19	6	50	14	50 000	912 496 00	100 007 314	1
10 x 16	6	65	28	40 000	912 087 00	100 008 418	1
12 x 19	6	65	35	35 000	912 090 00	100 008 419	1
12 x 22	6	70	28	35 000	912 093 00	100 008 420	1

HM N-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 14 - 22 m/s

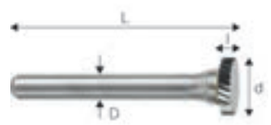
(d) x (l)	Shaft (D)	Overall length (L)	Angle	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	°	min-1			
3 x 7	3	38	10	90 000	912 316 00	100 008 564	1
6 x 7	6	50	10	50 000	912 319 00	100 008 566	1
12 x 13	6	58	58	35 000	912 322 00	100 008 568	1

HM RIM-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 14 - 22 m/s



(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 1.6	3	34	40 000	912 166 00	100 008 461	1
12 x 2.6	6	48	35 000	912 168 00	100 008 462	1
25 x 5.2	8	50	17 000	912 169 00	100 008 463	1
25 x 6.3	8	51	17 000	912 170 00	100 008 464	1

HM AXL-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 9 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	169	15 000	912 429 00	100 008 575	1
12 x 25	6	175	15 000	912 431 00	100 008 577	1

HM CXL-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 9 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	169	15 000	912 433 00	100 008 579	1
12 x 25	6	175	15 000	912 435 00	100 008 581	1

HM DXL-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 9 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 9	6	159	15 000	912 445 00	100 008 591	1
12 x 10.8	6	160.8	15 000	912 447 00	100 008 593	1

HM FXL-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 9 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	169	15 000	912 449 00	100 008 595	1
12 x 25	6	175	15 000	912 451 00	100 008 597	1

HM GXL-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 9 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	169	15 000	912 441 00	100 008 587	1
12 x 25	6	175	15 000	912 443 00	100 008 589	1

HM LXL-N

Recommended for general deburring and weld removal where a scratch free surface is paramount.

Applications

max. 9 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
12 x 30	6	180	15 000	912 439 00	100 008 585	1
10 x 27	6	177	15 000	912 437 00	100 008 583	1

NK – Double cut

HM A-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	38	90 000	912 005 00	100 008 376	1
6 x 13	3	45	50 000	912 008 00	100 008 378	1
6 x 19	6	50	50 000	912 014 00	100 008 381	1
8 x 19	6	65	40 000	912 017 00	100 008 383	1
10 x 19	6	65	40 000	912 021 00	100 008 386	1
12 x 19	6	65	35 000	912 024 00	100 008 388	1
12 x 25	6	70	35 000	912 027 00	100 008 390	1
16 x 25	6	70	25 000	912 035 00	100 008 393	1
16 x 25	6	70	25 000	912 038 00	100 008 394	1

HM B-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	38	90 000	912 044 00	100 008 396	1
3 x 13	3	65	90 000	912 421 00	100 055 829	1
6 x 13	6	45	50 000	912 047 00	100 008 398	1
6 x 19	6	50	50 000	912 053 00	100 008 400	1
8 x 19	6	65	40 000	912 056 00	100 008 402	1
10 x 19	6	65	40 000	912 059 00	100 008 404	1
10 x 25	6	70	40 000	912 579 00	100 007 246	1
12 x 19	6	65	35 000	912 063 00	100 008 407	1
12 x 25	6	70	35 000	912 066 00	100 008 409	1
16 x 25	6	70	25 000	912 074 00	100 008 412	1
16 x 25	6	70	25 000	912 077 00	100 008 413	1

HM C-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	38	90 000	912 101 00	100 008 425	1
6 x 13	3	45	50 000	912 104 00	100 008 427	1
6 x 19	6	50	50 000	912 107 00	100 008 430	1
8 x 19	6	65	40 000	912 110 00	100 008 432	1
10 x 19	6	65	40 000	912 114 00	100 008 436	1
12 x 19	6	65	35 000	912 118 00	100 008 440	1
12 x 25	6	70	35 000	912 122 00	100 008 444	1
16 x 25	6	70	25 000	912 130 00	100 008 447	1
16 x 25	8	70	25 000	912 134 00	100 008 449	1

HM D-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 2.7	3	38	90 000	912 203 00	100 008 487	1
4 x 3.6	3	45	80 000	912 209 00	100 008 492	1
6 x 5.4	3	38	50 000	912 206 00	100 008 490	1
6 x 5.4	6	50	50 000	912 212 00	100 008 494	1
8 x 7.2	6	52	40 000	912 215 00	100 008 497	1
10 x 9	6	53	40 000	912 218 00	100 008 500	1
12 x 10.8	6	55	35 000	912 222 00	100 008 504	1
16 x 14.4	6	60	25 000	912 230 00	100 008 507	1

HM E-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 6	3	38	90 000	912 269 00	100 008 532	1
6 x 10	3	42	50 000	912 272 00	100 008 534	1
8 x 13	6	58	40 000	912 275 00	100 008 536	1
10 x 16	6	60	40 000	912 278 00	100 008 539	1
12 x 22	6	67	35 000	912 282 00	100 008 543	1
16 x 25	6	70	25 000	912 290 00	100 008 546	1
16 x 25	6	70	25 000	912 293 00	100 008 547	1

HM F-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	38	90 000	912 240 00	100 008 512	1
6 x 13	3	45	50 000	912 243 00	100 008 514	1
6 x 16	6	50	50 000	912 246 00	100 008 517	1
10 x 19	6	65	40 000	912 249 00	100 008 520	1
12 x 25	6	70	35 000	912 253 00	100 008 524	1
16 x 25	6	70	25 000	912 261 00	100 008 527	1
16 x 25	6	70	25 000	912 265 00	100 008 529	1
10 x 19	6	169	15 000	912 450 00	100 008 596	1
12 x 25	6	175	15 000	912 452 00	100 008 598	1

HM G-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	38	90 000	912 174 00	100 008 466	1
6 x 13	3	45	50 000	912 177 00	100 008 468	1
6 x 16	6	50	50 000	912 180 00	100 008 471	1
8 x 19	6	65	40 000	912 578 00	100 007 245	1
10 x 19	6	65	40 000	912 183 00	100 008 474	1
12 x 19	6	65	35 000	912 186 00	100 008 476	1
12 x 25	6	70	35 000	912 189 00	100 008 479	1
16 x 25	6	70	25 000	912 197 00	100 008 482	1
16 x 25	6	70	25 000	912 200 00	100 008 484	1

HM H-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 8	3	38	90 000	912 296 00	100 008 549	1
6 x 14	6	50	50 000	912 299 00	100 008 551	1
8 x 19	6	65	40 000	912 302 00	100 008 554	1
12 x 32	6	77	35 000	912 305 00	100 008 557	1

HM J-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Angle	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	°	min-1			
12 x 11	6	60	60	35 000	912 313 00	100 008 561	1

HM L-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Angle	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	°	min-1			
3 x 8	3	38	14	90 000	912 472 00	100 008 617	1
6 x 13	3	45	14	50 000	912 141 00	100 008 452	1
6 x 16	6	50	14	50 000	912 144 00	100 008 454	1
10 x 19	6	65	14	40 000	912 147 00	100 008 457	1
10 x 27	6	75	14	40 000	912 473 00	100 008 618	1
12 x 30	6	75	14	35 000	912 477 00	100 007 310	1
16 x 33	6	78	14	25 000	912 162 00	100 008 459	1
16 x 33	6	78	14	25 000	912 165 00	100 008 460	1

HM M-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 14 - 22 m/s

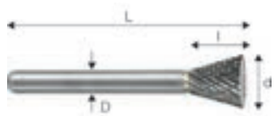
(d) x (l)	Shaft (D)	Overall length (L)	Angle	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	°	min-1			
3 x 11	3	38	14	90 000	912 352 00	100 008 572	1
6 x 13	3	45	22	50 000	912 083 00	100 008 416	1
6 x 19	6	50	14	50 000	912 086 00	100 008 417	1
10 x 16	6	65	28	40 000	912 497 00	100 007 315	1
12 x 19	6	65	35	35 000	912 498 00	100 007 316	1
12 x 22	6	70	28	35 000	912 095 00	100 008 422	1

HM N-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 14 - 22 m/s



(d) x (l)	Shaft (D)	Overall length (L)	Angle	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	°	min-1			
3 x 7	3	38	10	90 000	912 318 00	100 008 565	1
6 x 7	6	50	10	50 000	912 321 00	100 008 567	1
12 x 13	6	58	20	35 000	912 324 00	100 008 569	1

HM AXL-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 9 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	169	15 000	912 430 00	100 008 576	1
12 x 25	6	175	15 000	912 432 00	100 008 578	1

HM CXL-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 9 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	169	15 000	912 434 00	100 008 580	1
12 x 25	6	175	15 000	912 436 00	100 008 582	1

HM DXL-Nk

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 9 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 9	6	159	15 000	912 446 00	100 008 592	1
12 x 10.8	6	160.8	15 000	912 448 00	100 008 594	1

HM GXL-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 9 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
12 x 25	6	175	15 000	912 444 00	100 008 590	1
10 x 19	6	169	15 000	912 442 00	100 008 588	1

HM LXL-NK

A universal cutting style offering smooth operation with a high cutting action, producing short chips and no clogging.

Applications

max. 9 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 27	6	177	15 000	912 438 00	100 008 584	1
12 x 30	6	180	15 000	912 440 00	100 008 586	1

HMF-Kit 10 NK

10-piece carbide burr kit consisting of:
HM A 10/19 NK, HM B 06/19 NK, HM B 10/25 NK, HM C 06/19 NK, HM C 10/19 NK, HM C 12/25 NK, HM G 08/19 NK, HM G 12/25 NK, HM H 12/32 NK, HM L 12/30 NK.

Applications

ID-No.	Mat.-No.	
912 580 00	100 007 247	1

NKC – Chip break cut

HM A-NKC

Short chip formation for use on high tensile steels.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
6 x 19	6	50	50 000	912 013 00	100 008 380	1
10 x 19	6	65	40 000	912 019 00	100 008 385	1

HM C-NKC

Short chip formation for use on high tensile steels.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	38	90 000	912 100 00	100 008 424	1
6 x 19	6	50	50 000	912 106 00	100 008 429	1
10 x 19	6	65	40 000	912 113 00	100 008 435	1
12 x 19	6	65	35 000	912 117 00	100 008 439	1
12 x 25	6	70	35 000	912 121 00	100 008 443	1

HM D-NKC

Short chip formation for use on high tensile steels.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 2.7	3	38	90 000	912 202 00	100 008 486	1
6 x 5.4	3	38	50 000	912 205 00	100 008 489	1
8 x 7.2	6	52	40 000	912 214 00	100 008 496	1
10 x 9	6	53	40 000	912 217 00	100 008 499	1
12 x 10.8	6	55	35 000	912 221 00	100 008 503	1
19 x 17.1	8	63	20 000	912 237 00	100 008 510	1

HM E-NKC

Short chip formation for use on high tensile steels.

Applications

max. 14 - 22 m/s

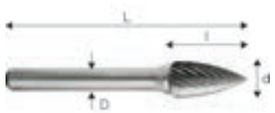
(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 16	6	60	40 000	912 277 00	100 008 538	1
12 x 22	6	67	35 000	912 281 00	100 008 542	1

HM G-NKC

Short chip formation for use on high tensile steels.

Applications

max. 14 - 22 m/s



(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
6 x 16	6	50	50 000	912 179 00	100 008 470	1
10 x 19	6	65	40 000	912 182 00	100 008 473	1
12 x 25	6	70	35 000	912 188 00	100 008 478	1

HM H-NKC

Short chip formation for use on high tensile steels.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
8 x 19	6	65	40 000	912 301 00	100 008 553	1
12 x 32	6	77	35 000	912 304 00	100 008 556	1

HM L-NKC

Short chip formation for use on high tensile steels.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Angle	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	°	min-1			
10 x 19	6	65	14	40 000	912 146 00	100 008 456	1
12 x 30	6	75	14	35 000	912 476 00	100 007 309	1

HM M-NKC

Short chip formation for use on high tensile steels.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Angle	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	°	min-1			
12 x 19	6	65	35	35 000	912 091 00	100 055 828	1
12 x 22	6	70	28	35 000	912 094 00	100 008 421	1

NKD – Special coarse cut

HM A-NKD

Features a stronger tooth formation (angle 90°) compared to conventional burrs with up to an extra 50% life and an extra 40% stock removal. Therefore, it offers improved productivity.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	65	40 000	912 495 00	100 007 313	1
12 x 25	6	70	35 000	912 028 00	100 008 391	1

HM B-NKD

Features a stronger tooth formation (angle 90°) compared to conventional burrs with up to an extra 50% life and an extra 40% stock removal. Therefore, it offers improved productivity.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	65	40 000	912 060 00	100 008 405	1
12 x 25	6	70	35 000	912 067 00	100 008 410	1

HM C-NKD

Features a stronger tooth formation (angle 90°) compared to conventional burrs with up to an extra 50% life and an extra 40% stock removal. Therefore, it offers improved productivity.

Applications

max. 14 - 22 m/s

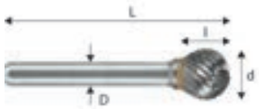
(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
8 x 19	6	65	40 000	912 111 00	100 008 433	1
10 x 19	6	65	40 000	912 115 00	100 008 437	1
12 x 19	6	65	35 000	912 119 00	100 008 441	1
12 x 25	6	70	35 000	912 123 00	100 008 445	1
16 x 25	6	70	25 000	912 131 00	100 008 448	1

HM D-NKD

Features a stronger tooth formation (angle 90°) compared to conventional burrs with up to an extra 50% life and an extra 40% stock removal. Therefore, it offers improved productivity.

Applications

max. 14 - 22 m/s



(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 9	6	53	40 000	912 219 00	100 008 501	1
12 x 10.8	6	55	35 000	912 223 00	100 008 505	1

HM E-NKD

Features a stronger tooth formation (angle 90°) compared to conventional burrs with up to an extra 50% life and an extra 40% stock removal. Therefore, it offers improved productivity.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 16	6	60	40 000	912 279 00	100 008 540	1
12 x 22	6	67	35 000	912 283 00	100 008 544	1

HM F-NKD

Features a stronger tooth formation (angle 90°) compared to conventional burrs with up to an extra 50% life and an extra 40% stock removal. Therefore, it offers improved productivity.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	65	40 000	912 250 00	100 008 521	1
12 x 25	6	70	35 000	912 254 00	100 008 525	1
16 x 25	6	70	25 000	912 262 00	100 008 528	1
16 x 25	8	70	25 000	912 266 00	100 008 530	1

HM G-NKD

Features a stronger tooth formation (angle 90°) compared to conventional burrs with up to an extra 50% life and an extra 40% stock removal. Therefore, it offers improved productivity.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
12 x 25	6	70	35 000	912 190 00	100 008 480	1

HM H-NKD

Features a stronger tooth formation (angle 90°) compared to conventional burrs with up to an extra 50% life and an extra 40% stock removal. Therefore, it offers improved productivity.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
12 x 32	6	77	35 000	912 306 00	100 008 558	1

HM L-NKD

Features a stronger tooth formation (angle 90°) compared to conventional burrs with up to an extra 50% life and an extra 40% stock removal. Therefore, it offers improved productivity.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Angle	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	°	min-1			
10 x 27	6	75	14	40 000	912 474 00	100 007 307	1
12 x 30	6	75	14	35 000	912 478 00	100 007 311	1

NK-S – Steel cut

HM A-NK-S

Specially designed geometry to suit steel and cast steel applications. Aggressive cutting form – producing large chips with increased stock removal. Generating lower heat at cutting edge. Increasing machining output on steel components compared to standard cuts.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
6 x 19	6	50	50 000	912 842 00	100 007 446	1
8 x 19	6	65	40 000	912 843 00	100 007 447	1
10 x 19	6	65	40 000	912 844 00	100 007 448	1
12 x 25	6	70	35 000	912 845 00	100 007 449	1

HM B-NK-S

Specially designed geometry to suit steel and cast steel applications. Aggressive cutting form – producing large chips with increased stock removal. Generating lower heat at cutting edge. Increasing machining output on steel components compared to standard cuts.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
6 x 19	6	50	50 000	912 846 00	100 007 450	1
8 x 19	8	65	40 000	912 847 00	100 007 451	1
10 x 19	6	65	40 000	912 848 00	100 007 452	1
12 x 25	6	70	35 000	912 849 00	100 007 453	1

HM C-NK-S

Specially designed geometry to suit steel and cast steel applications. Aggressive cutting form – producing large chips with increased stock removal. Generating lower heat at cutting edge. Increasing machining output on steel components compared to standard cuts.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
				912 108 00	100 008 431	1
8 x 19	6	65	40 000	912 851 00	100 007 455	1
10 x 19	6	65	40 000	912 852 00	100 007 456	1
12 x 25	6	70	35 000	912 853 00	100 007 457	1
6 x 25	6	50	50 000	912 850 00	100 007 454	1

HM D-NK-S

Specially designed geometry to suit steel and cast steel applications. Aggressive cutting form – producing large chips with increased stock removal. Generating lower heat at cutting edge. Increasing machining output on steel components compared to standard cuts.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
6 x 5.4	6	50	50 000	912 854 00	100 007 458	1
8 x 7.2	6	52	40 000	912 855 00	100 007 459	1
10 x 9	6	53	40 000	912 856 00	100 007 460	1
12 x 10.8	6	55	35 000	912 857 00	100 007 461	1

HM E-NK-S

Specially designed geometry to suit steel and cast steel applications. Aggressive cutting form – producing large chips with increased stock removal. Generating lower heat at cutting edge. Increasing machining output on steel components compared to standard cuts.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
12 x 22	6	67	35 000	912 858 00	100 007 462	1

HM F-NK-S

Specially designed geometry to suit steel and cast steel applications. Aggressive cutting form – producing large chips with increased stock removal. Generating lower heat at cutting edge. Increasing machining output on steel components compared to standard cuts.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
6 x 16	6	50	50 000	912 859 00	100 007 463	1
8 x 19	6	65	40 000	912 860 00	100 007 464	1
10 x 19	6	65	40 000	912 861 00	100 007 465	1
12 x 25	6	70	35 000	912 862 00	100 007 466	1

HM G-NK-S

Specially designed geometry to suit steel and cast steel applications. Aggressive cutting form – producing large chips with increased stock removal. Generating lower heat at cutting edge. Increasing machining output on steel components compared to standard cuts.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
6 x 16	6	50	50 000	912 863 00	100 007 467	1
8 x 19	6	65	40 000	912 864 00	100 007 468	1
10 x 19	6	65	40 000	912 865 00	100 007 469	1
12 x 25	6	70	35 000	912 866 00	100 007 470	1

HM H-NK-S

Specially designed geometry to suit steel and cast steel applications. Aggressive cutting form – producing large chips with increased stock removal. Generating lower heat at cutting edge. Increasing machining output on steel components compared to standard cuts.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
8 x 19	6	65	40 000	912 867 00	100 007 471	1
12 x 32	6	77	35 000	912 868 00	100 007 472	1

HM L-NK-S

Specially designed geometry to suit steel and cast steel applications. Aggressive cutting form – producing large chips with increased stock removal. Generating lower heat at cutting edge. Increasing machining output on steel components compared to standard cuts.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	65	40 000	912 869 00	100 007 473	1
10 x 27	6	75	40 000	912 870 00	100 007 474	1
12 x 30	6	75	35 000	912 871 00	100 007 475	1

HMF-Kit 5 NK-S

Specially designed geometry to suit steel and cast steel applications. Aggressive cutting form – producing large chips with increased stock removal. Generating lower heat at cutting edge. Increasing machining output on steel components compared to standard cuts.

5-piece carbide burr kit. Content: Inhalt HM B 12/25 NK-S, HM C 12/25 NK-S, HM F 12/25 NK-S, HM G 12/25 NK-S, HM L 12/30 NK-S.

Applications

	ID-No.	Mat.-No.	
	912 873 00	100 007 477	1

N-IX – Inox cut

HM A-N-IX

Specifically designed geometry to suit stainless steel applications – generating high stock removal on Inox components. Reducing heat build up at the cutting edge and workpiece. High performance grinding – ensuring production savings and reduced downtime.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	38	90 000	912 804 00	100 007 409	1
6 x 13	3	45	50 000	912 805 00	100 007 410	1
6 x 19	6	50	50 000	912 806 00	100 007 411	1
8 x 19	6	65	40 000	912 807 00	100 007 412	1
10 x 19	6	65	40 000	912 808 00	100 007 413	1
12 x 25	6	70	35 000	912 809 00	100 007 414	1

HM C-N-IX

Specifically designed geometry to suit stainless steel applications – generating high stock removal on Inox components. Reducing heat build up at the cutting edge and workpiece. High performance grinding – ensuring production savings and reduced downtime.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	38	90 000	912 810 00	100 007 415	1
6 x 13	3	45	50 000	912 811 00	100 007 416	1
6 x 19	6	50	50 000	912 812 00	100 007 417	1
8 x 19	6	65	40 000	912 813 00	100 007 418	1
10 x 19	6	65	40 000	912 814 00	100 007 419	1
12 x 25	6	70	35 000	912 815 00	100 007 420	1

HM D-N-IX

Specifically designed geometry to suit stainless steel applications – generating high stock removal on Inox components. Reducing heat build up at the cutting edge and workpiece. High performance grinding – ensuring production savings and reduced downtime.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 2.7	3	38	90 000	912 816 00	100 007 421	1
6 x 5.4	3	38	50 000	912 817 00	100 007 422	1
6 x 5.4	6	50	50 000	912 818 00	100 007 423	1
8 x 7.2	6	52	40 000	912 819 00	100 007 424	1
10 x 9	6	53	40 000	912 820 00	100 007 425	1
12 x 10.8	6	55	35 000	912 821 00	100 007 426	1

HM E-N-IX

Specifically designed geometry to suit stainless steel applications – generating high stock removal on Inox components. Reducing heat build up at the cutting edge and workpiece. High performance grinding – ensuring production savings and reduced downtime.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
8 x 13	6	58	40 000	912 822 00	100 007 427	1
10 x 16	6	60	40 000	912 823 00	100 007 428	1
12 x 22	6	67	35 000	912 824 00	100 007 429	1

HM F-N-IX

Specifically designed geometry to suit stainless steel applications – generating high stock removal on Inox components. Reducing heat build up at the cutting edge and workpiece. High performance grinding – ensuring production savings and reduced downtime.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 13	3	38	90 000	912 825 00	100 007 430	1
6 x 13	3	45	50 000	912 826 00	100 007 431	1
6 x 16	6	50	50 000	912 827 00	100 007 432	1
8 x 19	6	65	40 000	912 828 00	100 007 433	1
10 x 19	6	65	40 000	912 829 00	100 007 434	1
12 x 25	6	70	35 000	912 830 00	100 007 435	1

HM G-N-IX

Specifically designed geometry to suit stainless steel applications – generating high stock removal on Inox components. Reducing heat build up at the cutting edge and workpiece. High performance grinding – ensuring production savings and reduced downtime.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
6 x 16	6	50	50 000	912 831 00	100 007 436	1
8 x 19	6	65	40 000	912 832 00	100 007 437	1
10 x 19	6	65	40 000	912 833 00	100 007 438	1
12 x 25	6	70	35 000	912 834 00	100 007 439	1

HM H-N-IX

Specifically designed geometry to suit stainless steel applications – generating high stock removal on Inox components. Reducing heat build up at the cutting edge and workpiece. High performance grinding – ensuring production savings and reduced downtime.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
8 x 19	6	65	40 000	912 836 00	100 007 440	1
10 x 19	6	65	40 000	912 837 00	100 007 441	1
12 x 32	6	77	35 000	912 838 00	100 007 442	1

HM L-N-IX

Specifically designed geometry to suit stainless steel applications – generating high stock removal on Inox components. Reducing heat build up at the cutting edge and workpiece. High performance grinding – ensuring production savings and reduced downtime.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
8 x 22	6	69	40 000	912 839 00	100 007 443	1
10 x 19	6	65	40 000	912 840 00	100 007 444	1
12 x 30	6	75	35 000	912 841 00	100 007 445	1

HMF-Kit 5 N-IX

Specifically designed geometry to suit stainless steel applications – generating high stock removal on Inox components. Reducing heat build up at the cutting edge and workpiece. High performance grinding – ensuring production savings and reduced downtime.

5-piece carbide burr kit. Content: HM A 12/25 N-IX, HM C 12/25 N-IX, HM F 12/25 N-IX, HM G 12/25 N-IX, HM L 12/30 N-IX.

Applications

ID-No.	Mat.-No.	
912 872 00	100 007 476	1

GA – Aluminium cut

HM A-GA

Ideal for aluminium alloys, soft non-ferrous metals and thermoplastics, producing easy chipflow and smooth operation.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	65	35 000	912 469 00	100 008 614	1
12 x 25	6	70	35 000	912 470 00	100 008 615	1
16 x 25	8	70	25 000	912 471 00	100 008 616	1

HM B-GA

Ideal for aluminium alloys, soft non-ferrous metals and thermoplastics, producing easy chipflow and smooth operation.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	65	40 000	912 466 00	100 008 611	1
12 x 25	6	70	35 000	912 467 00	100 008 612	1
16 x 25	8	70	25 000	912 468 00	100 008 613	1

HM C-GA

Ideal for aluminium alloys, soft non-ferrous metals and thermoplastics, producing easy chipflow and smooth operation.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	65	40 000	912 453 00	100 008 599	1
12 x 25	6	70	35 000	912 454 00	100 008 600	1
16 x 25	8	70	25 000	912 455 00	100 008 601	1

HM D-GA

Ideal for aluminium alloys, soft non-ferrous metals and thermoplastics, producing easy chipflow and smooth operation.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 9	6	53	40 000	912 457 00	100 008 602	1
12 x 10.8	6	55	35 000	912 458 00	100 008 603	1
12 x 10.8	6	55	35 000	912 332 00	100 008 570	1
16 x 14.4	8	60	25 000	912 334 00	100 008 571	1

HM G-GA

Ideal for aluminium alloys, soft non-ferrous metals and thermoplastics, producing easy chipflow and smooth operation.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 19	6	65	40 000	912 463 00	100 008 608	1
12 x 25	6	70	35 000	912 464 00	100 008 609	1
16 x 25	8	70	25 000	912 465 00	100 008 610	1

HM L-GA

Ideal for aluminium alloys, soft non-ferrous metals and thermoplastics, producing easy chipflow and smooth operation.

Applications

max. 14 - 22 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 27	6	75	40 000	912 460 00	100 008 605	1
12 x 30	6	75	35 000	912 461 00	100 008 606	1
16 x 33	8	78	25 000	912 462 00	100 008 607	1

HMF-Kit 5 GA

Ideal for aluminium alloys, soft non-ferrous metals and thermoplastics, producing easy chipflow and smooth operation.

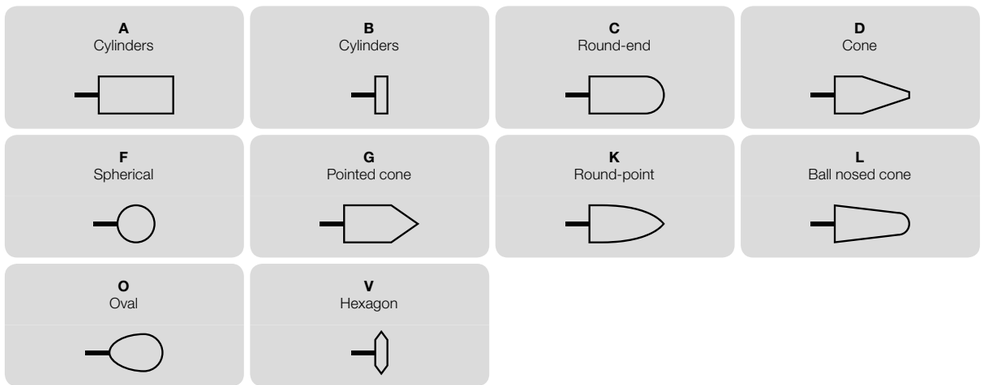
5-piece carbide burr kit. Content: HM B 12/25 GA, HM C 12/25 GA, HM D 12/25 GA, HM F 12/25 GA, HM L 12/30 GA.

Applications

	ID-No.	Mat.-No.	
	912 983 00	100 007 572	1

Mounted points

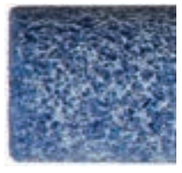
Shape



Mounted points, vitrified bond

Type	AR-O (V)
Applications	
Grain size	Pure corundum pink

Blue Stone mounted points

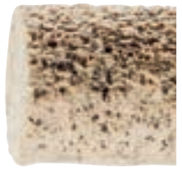


Type	BS
Applications	
Grain size	AO (hard) ▲ 120

Mounted points resin bond

Type	(B)
Applications	
Grain size	AO ▲ 24/30

Cotton-reinforced mounted points

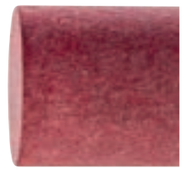


Type	BV GFX
Applications	
Grain size	AO – SC Mix ▲ 36 – 80

Unitized mounted points

Type	SUN-Press®
Applications	
Grain size	SC fine (Density 6 + 8)

Polishing bobs soft robber bond



Type	FPA
Applications	
Grain size	AO ▲ 120

Felt polishing bobs

Type	FPK
Applications	
Grain size	Felt

Applications

Weld seam preparation, Stock removal, Deburring, Beveling, Cleaning, Smoothing, Polishing.

Mounted points, vitrified bond

AR-O (V) A

Ideal for processing the edges and deburring cast steel and for welded seam processing. Hard bonding and pure corundum grain guarantee a very long service life and good abrasion rates.

C= coarse, F = fine

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-¹			
3 x 6	3	48	F	206 100	900 274 00	100 011 749	10
4 x 8	3	50	F	175 100	900 275 00	100 011 750	10
5 x 10	3	45	C	130 700	900 290 00	100 011 760	10
5 x 10	3	45	F	130 700	900 276 00	100 011 651	10
6 x 13	3	52	C	93 600	900 291 00	100 011 761	10
6 x 13	3	52	F	93 600	900 277 00	100 011 652	10
8 x 10	3	48	F	87 600	900 278 00	100 011 751	10
8 x 16	3	54	F	61 000	900 279 00	100 011 752	10
3 x 6	6	47	F	206 100	900 120 00	100 011 710	10
4 x 8	6	47	F	177 400	900 121 00	100 011 711	10
5 x 10	6	50	C	157 800	900 195 00	100 011 729	10
5 x 10	6	50	F	157 800	900 122 00	100 011 712	10
6 x 13	6	54	C	131 500	900 196 00	100 011 730	10
6 x 13	6	54	F	131 500	900 123 00	100 011 713	10
8 x 10	6	51	F	119 300	900 124 00	100 011 714	10
8 x 16	6	56	C	119 300	900 200 00	100 011 731	10
10 x 13	6	55	C	95 400	900 201 00	100 011 732	10
10 x 20	6	61	C	95 400	900 203 00	100 011 733	10
10 x 20	6	61	F	95 400	900 127 00	100 011 715	10
10 x 32	6	71	C	83 200	900 204 00	100 011 734	10
13 x 25	6	65	C	73 400	900 208 00	100 011 735	10
13 x 25	6	65	F	73 400	900 133 00	100 011 716	10
16 x 20	6	62	C	59 600	900 209 00	100 011 736	10
16 x 32	6	71	C	51 200	900 210 00	100 011 737	10
16 x 32	6	71	F	51 200	900 135 00	100 011 717	10
16 x 40	6	80	C	40 500	908 072 00	100 010 506	10
16 x 40	6	80	F	40 500	903 311 00	100 011 137	10
20 x 25	6	65	C	47 700	900 214 00	100 011 738	10
20 x 25	6	65	F	47 700	900 138 00	100 011 718	10
20 x 40	6	79	C	32 400	900 216 00	100 011 739	10
20 x 40	6	79	F	32 400	900 140 00	100 011 719	10
25 x 32	6	71	C	32 900	900 218 00	100 011 740	10

AR-O (V) B

Ideal for processing the edges and deburring cast steel and for welded seam processing. Hard bonding and pure corundum grain guarantee a very long service life and good abrasion rates.

C= coarse, F = fine

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-¹			
13 x 3	6	46	C	73 400	900 222 00	100 011 741	10
13 x 3	6	46	F	73 400	900 148 00	100 011 720	10
20 x 6	6	48	C	47 700	900 226 00	100 011 742	10
20 x 6	6	48	F	47 700	900 151 00	100 011 721	10
40 x 10	6	55	C	23 800	908 073 00	100 010 507	5
40 x 10	6	55	F	23 800	900 159 00	100 011 722	5
40 x 20	6	60	C	23 800	900 234 00	100 011 743	5

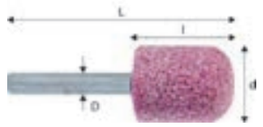
AR-O (V) C

Ideal for processing the edges and deburring cast steel and for welded seam processing. Hard bonding and pure corundum grain guarantee a very long service life and good abrasion rates.

C= coarse, F = fine

Applications

max. 45 m/s



(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-¹			
3 x 6	3	47	F	206 100	900 281 00	100 011 753	10
5 x 10	3	48	F	130 700	900 282 00	100 011 754	10
5 x 10	6	50	C	157 800	903 315 00	100 011 139	10
5 x 10	6	50	F	157 800	903 314 00	100 011 138	10
8 x 16	6	57	C	119 300	903 316 00	100 011 140	10
8 x 16	6	57	F	119 300	900 163 00	100 011 723	10
13 x 20	6	62	F	73 400	906 997 00	100 010 153	10
20 x 25	6	64	C	47 700	900 238 00	100 011 744	10

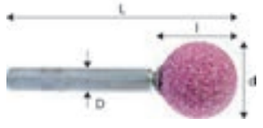
AR-O (V) F

Ideal for processing the edges and deburring cast steel and for welded seam processing. Hard bonding and pure corundum grain guarantee a very long service life and good abrasion rates.

C= coarse, F = fine

Applications

max. 45 m/s



(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-¹			
3 x 3	3	44	F	300 200	900 286 00	100 011 758	10
5 x 5	3	46	F	190 900	900 287 00	100 011 759	10
8 x 8	6	47	F	119 300	900 179 00	100 011 726	10
13 x 13	6	51	F	73 400	900 180 00	100 011 727	10
20 x 20	6	58	C	47 700	900 261 00	100 011 747	10
25 x 25	6	62	C	38 100	900 262 00	100 011 748	10

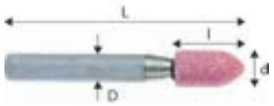
AR-O (V) K

Ideal for processing the edges and deburring cast steel and for welded seam processing. Hard bonding and pure corundum grain guarantee a very long service life and good abrasion rates.

C= coarse, F = fine

Applications

max. 45 m/s



(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-¹			
3 x 6	3	48	F	252 000	900 283 00	100 011 755	10
5 x 10	3	53	C	72 800	900 296 00	100 011 762	10
5 x 10	3	48	F	149 500	900 284 00	100 011 756	10
8 x 16	3	56	C	119 300	900 297 00	100 011 763	10
8 x 16	3	50	F	190 900	900 285 00	100 011 757	10
5 x 10	6	48	F	149 500	900 166 00	100 011 724	10
8 x 16	6	53	F	72 800	900 167 00	100 011 725	10
13 x 20	6	62	C	73 400	900 246 00	100 011 745	10

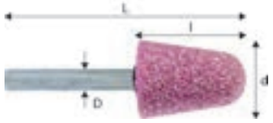
AR-O (V) L

Ideal for processing the edges and deburring cast steel and for welded seam processing. Hard bonding and pure corundum grain guarantee a very long service life and good abrasion rates.

C = coarse

Applications

max. 45 m/s



(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-¹			
20 x 20	6	65	C	47 700	900 253 00	100 011 746	10

Mounted points resin bond

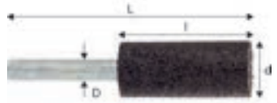
(B) A

For rough grinding steel and stainless steel and for welded seam processing.

M = medium

Applications

max. 45 m/s



(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-¹			
10 x 15	6	40	M	85 000	900 601 00	100 011 767	10
10 x 20	6	52	M	85 000	900 602 00	100 011 768	10
10 x 30	6	62	M	85 000	900 604 00	100 011 769	10
10 x 40	6	71	M	85 000	900 606 00	100 011 770	10
15 x 15	6	40	M	55 000	900 609 00	100 011 771	10
15 x 20	6	50	M	55 000	900 610 00	100 011 772	10
15 x 25	6	58	M	55 000	900 611 00	100 011 773	10
15 x 30	6	65	M	55 000	900 612 00	100 011 774	10
15 x 35	6	68	M	55 000	900 613 00	100 011 775	10
15 x 40	6	76	M	55 000	900 614 00	100 011 776	10
20 x 25	6	57	M	43 000	900 618 00	100 011 777	10
20 x 30	6	67	M	43 000	900 619 00	100 011 778	10
20 x 40	6	77	M	43 000	900 621 00	100 011 779	10
25 x 25	6	57	M	34 000	900 624 00	100 011 780	10
25 x 30	6	66	M	34 000	900 625 00	100 011 781	10
30 x 30	6	67	M	28 500	900 630 00	100 011 782	5
30 x 40	6	76	M	28 500	900 632 00	100 011 783	5
30 x 40	6	74	M	24 500	900 635 00	100 011 784	5
40 x 40	8	81	M	21 500	900 637 00	100 011 785	5
50 x 50	8	91	M	17 000	900 639 00	100 011 786	5

(B) B

For rough grinding steel and stainless steel and for welded seam processing.

M = medium

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
25 x 15	6	47	M	34 000	900 646 00	100 011 787	10
25 x 20	6	50	M	34 000	900 647 00	100 011 788	10
30 x 3	6	37	M	28 500	900 648 00	100 011 789	5
30 x 10	6	44	M	28 500	900 650 00	100 011 790	5
30 x 15	6	48	M	28 500	900 651 00	100 011 791	5
30 x 25	6	60	M	28 500	900 653 00	100 011 792	5
35 x 5	6	43	M	24 500	900 655 00	100 011 793	5
35 x 10	6	48	M	24 500	900 656 00	100 011 794	5
35 x 30	6	66	M	24 500	900 659 00	100 011 795	5
40 x 5	6	40	M	21 500	900 661 00	100 011 796	5
40 x 10	6	47	M	21 500	900 662 00	100 011 797	5
40 x 20	6	61	M	21 500	900 664 00	100 011 798	5
40 x 30	6	65	M	21 500	900 665 00	100 011 799	5
50 x 5	6	39	M	17 000	900 667 00	100 011 800	5
50 x 10	6	47	M	17 000	900 668 00	100 011 801	5
50 x 20	6	61	M	17 000	900 670 00	100 011 802	5
50 x 30	8	71	M	17 000	900 671 00	100 011 803	5

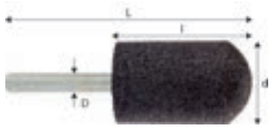
(B) C

For rough grinding steel and stainless steel and for welded seam processing.

M = medium

Applications

max. 45 m/s



(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
25 x 25	6	58	M	34 000	900 679 00	100 011 805	10
25 x 40	6	77	M	34 000	900 682 00	100 011 806	10

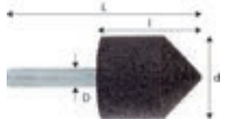
(B) G

For rough grinding steel and stainless steel and for welded seam processing.

M = medium

Applications

max. 45 m/s



(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
25 x 30	6	60	M	34 000	900 674 00	100 011 804	10

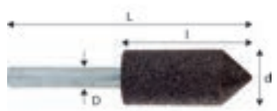
(B) K

For rough grinding steel and stainless steel and for welded seam processing.

M = medium

Applications

max. 45 m/s



(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
15 x 25	6	56	M	55 000	900 685 00	100 011 807	10
15 x 35	6	70	M	55 000	900 687 00	100 011 808	10
18 x 40	6	75	M	47 700	900 694 00	100 011 809	10

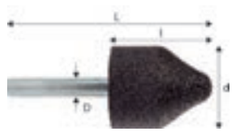
(B) L

For rough grinding steel and stainless steel and for welded seam processing.

M = medium

Applications

max. 45 m/s



(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
25 x 30	6	63	M	34 000	900 700 00	100 011 810	10
25 x 40	6	74	M	34 000	900 701 00	100 011 811	10

BS A

Extremely good on hardened tool steels, high-alloy and highest-alloy steels. Very long service life. Mainly used in the mould and die industry.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
2 x 5	3	45	206 100	910 038 00	100 009 125	10
3 x 6	3	46	206 100	910 039 00	100 009 126	10
4 x 8	3	48	175 100	910 040 00	100 009 127	10
5 x 10	3	50	130 700	910 041 00	100 009 128	10
6 x 10	3	50	93 600	910 042 00	100 009 129	10
8 x 10	3	50	72 800	910 043 00	100 009 130	10

BS F

Extremely good on hardened tool steels, high-alloy and highest-alloy steels. Very long service life. Mainly used in the mould and die industry.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 3	3	43	149 200	910 044 00	100 009 131	10
5 x 5	3	45	120 800	910 045 00	100 009 132	10
6 x 6	3	46	116 200	910 046 00	100 009 133	10

BS K

Extremely good on hardened tool steels, high-alloy and highest-alloy steels. Very long service life. Mainly used in the mould and die industry.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
3 x 6	3	46	149 200	910 047 00	100 009 134	10
5 x 10	3	50	130 700	910 048 00	100 009 135	10

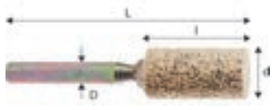
Cotton- reinforced mounted points

BV GFX A

Ideal for fine work on hardened tool steels, high-alloy and ultra-high alloy steels. Very good for rough work on aluminium, non-ferrous metals and plastics. Very long service life.

Applications

max. 45 m/s



(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
10 x 20	6	61	A 36	66 000	908 263 00	100 010 647	5
13 x 25	6	67	A 36	40 000	908 264 00	100 010 648	5

BV GFX B

Ideal for fine work on hardened tool steels, high-alloy and ultra-high alloy steels. Very good for rough work on aluminium, non-ferrous metals and plastics. Very long service life.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
38 x 13	6	54	A 36	66 000	908 265 00	100 010 649	5
19 x 6	6	51	A 54	40 000	908 266 00	100 010 650	5

BV GFX C

Ideal for fine work on hardened tool steels, high-alloy and ultra-high alloy steels. Very good for rough work on aluminium, non-ferrous metals and plastics. Very long service life.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
25 x 25	6	63	A 36	35 000	909 467 00	100 008 733	5
25 x 25	6	63	A 80	35 000	909 462 00	100 008 728	5

BV GFX F

Ideal for fine work on hardened tool steels, high-alloy and ultra-high alloy steels. Very good for rough work on aluminium, non-ferrous metals and plastics. Very long service life.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
25 x 25	6	68	A 36	35 000	909 466 00	100 008 732	5
25 x 25	6	68	A 80	35 000	909 461 00	100 008 727	5

BV GFX K

Ideal for fine work on hardened tool steels, high-alloy and ultra-high alloy steels. Very good for rough work on aluminium, non-ferrous metals and plastics. Very long service life.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
11 x 19	6	61	A 36	60 000	909 469 00	100 008 735	10
11 x 19	6	61	A 80	60 000	909 464 00	100 008 730	10

BV GFX O

Ideal for fine work on hardened tool steels, high-alloy and ultra-high alloy steels. Very good for rough work on aluminium, non-ferrous metals and plastics. Very long service life.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
10 x 12	6	54	A 36	60 000	909 470 00	100 008 736	5
10 x 12	6	54	A 80	60 000	909 465 00	100 008 731	5

BV GFX V

Ideal for fine work on hardened tool steels, high-alloy and ultra-high alloy steels. Very good for rough work on aluminium, non-ferrous metals and plastics. Very long service life.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
40 x 10	6	54	A 36	23 000	909 468 00	100 008 734	5
40 x 10	6	54	A 80	23 000	909 463 00	100 008 729	5

Unitized mounted points

SUN-Press® A

For light deburring, fading-out and finishing work at areas that are difficult to access. Achieves a shiny surface without leaving a trace! Ideal for stainless steel, aluminium, exotic metals and titanium. For fine surface treatment on aluminium, non-ferrous metals and plastics.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
6 x 6	6	47	6SF	50 000	913 150 00	100 007 654	5
6 x 6	6	47	8SF	50 000	913 151 00	100 007 655	5
6 x 13	6	53	6SF	38 000	913 152 00	100 007 656	5
6 x 13	6	53	8SF	38 000	913 153 00	100 007 657	5
10 x 19	6	62	6SF	34 000	913 154 00	100 007 658	5
10 x 19	6	62	8SF	34 000	913 155 00	100 007 659	5
13 x 25	6	67	6SF	27 500	913 156 00	100 007 660	5
13 x 25	6	67	8SF	27 500	913 157 00	100 007 661	5

SUN-Press® B

For light deburring, fading-out and finishing work at areas that are difficult to access. Achieves a shiny surface without leaving a trace! Ideal for stainless steel, aluminium, exotic metals and titanium. For fine surface treatment on aluminium, non-ferrous metals and plastics.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
19 x 10	6	53	6SF	32 500	913 158 00	100 007 662	5
19 x 10	6	53	8SF	32 500	913 159 00	100 007 663	5
25 x 6	6	51	6SF	32 500	913 160 00	100 007 664	5
25 x 6	6	51	8SF	32 500	913 161 00	100 007 665	5

SUN-Press® D

For light deburring, fading-out and finishing work at areas that are difficult to access. Achieves a shiny surface without leaving a trace! Ideal for stainless steel, aluminium, exotic metals and titanium. For fine surface treatment on aluminium, non-ferrous metals and plastics.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
19 x 64	6	103	6SF	16 000	913 162 00	100 007 666	5
19 x 64	6	103	8SF	16 000	913 163 00	100 007 667	5

SUN-Press® F

For light deburring, fading-out and finishing work at areas that are difficult to access. Achieves a shiny surface without leaving a trace! Ideal for stainless steel, aluminium, exotic metals and titanium. For fine surface treatment on aluminium, non-ferrous metals and plastics.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
16 x 16	6	54	6SF	40 400	913 176 00	100 007 753	5
16 x 16	6	54	8SF	40 400	913 177 00	100 007 754	5
25 x 25	6	61	6SF	27 300	913 178 00	100 007 755	5
25 x 25	6	61	8SF	27 300	913 179 00	100 007 756	5

SUN-Press® G

For light deburring, fading-out and finishing work at areas that are difficult to access. Achieves a shiny surface without leaving a trace! Ideal for stainless steel, aluminium, exotic metals and titanium. For fine surface treatment on aluminium, non-ferrous metals and plastics.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
17 x 22	6	63	6SF	35 500	913 172 00	100 007 749	5
17 x 22	6	63	8SF	35 500	913 173 00	100 007 750	5

SUN-Press® K

For light deburring, fading-out and finishing work at areas that are difficult to access. Achieves a shiny surface without leaving a trace! Ideal for stainless steel, aluminium, exotic metals and titanium. For fine surface treatment on aluminium, non-ferrous metals and plastics.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
17 x 32	6	70	6SF	30 700	913 168 00	100 007 745	5
17 x 32	6	70	8SF	30 700	913 169 00	100 007 746	5
22 x 50	6	89	6SF	15 100	913 170 00	100 007 747	5
22 x 50	6	89	8SF	15 100	913 171 00	100 007 748	5

SUN-Press® L

For light deburring, fading-out and finishing work at areas that are difficult to access. Achieves a shiny surface without leaving a trace! Ideal for stainless steel, aluminium, exotic metals and titanium. For fine surface treatment on aluminium, non-ferrous metals and plastics.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
19 x 29	6	68	6SF	31 200	913 164 00	100 007 668	5
19 x 29	6	68	8SF	31 200	913 165 00	100 007 742	5
25 x 70	6	107	6SF	11 900	913 166 00	100 007 743	5
25 x 70	6	107	8SF	11 900	913 167 00	100 007 744	5

SUN-Press® O

For light deburring, fading-out and finishing work at areas that are difficult to access. Achieves a shiny surface without leaving a trace! Ideal for stainless steel, aluminium, exotic metals and titanium. For fine surface treatment on aluminium, non-ferrous metals and plastics.

Applications

max. 45 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
19 x 25	6	65	6SF	30 300	913 174 00	100 007 751	5
19 x 25	6	65	8SF	30 300	913 175 00	100 007 752	5

Polishing bobs soft rubber bond

FPA A

For fine grinding and matt polishing of steel, aluminum and non-ferrous metals in mold and die, apparatus engineering, etc. Only work on pre-sanded workpieces with light pressure.

Applications

max. 15 m/s

(d) x (l)	Shaft (D)	Overall length (L)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
4 x 8	3	38	120	40 000	903 376 00	100 011 168	10
6 x 10	3	40	120	40 000	903 377 00	100 011 169	10
8 x 8	3	38	120	37 000	900 729 00	100 011 814	10
8 x 12	3	42	120	37 000	900 730 00	100 011 815	10
10 x 10	3	40	120	35 000	900 731 00	100 011 816	10
10 x 15	3	45	120	35 000	900 733 00	100 011 818	10
10 x 15	6	56	120	30 000	900 734 00	100 011 819	10
15 x 15	6	55	120	20 000	900 740 00	100 011 822	10
15 x 25	6	65	120	20 000	900 741 00	100 011 823	10
20 x 20	6	61	120	15 000	900 743 00	100 011 825	10
20 x 30	6	71	120	15 000	900 744 00	100 011 826	10
30 x 30	6	71	120	10 000	900 746 00	100 011 828	5

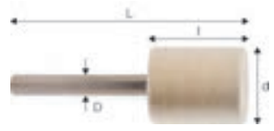
Felt polishing bobs

FPK A

For fine grinding and polishing work. Recommended operating speed 5 – 10 m/sec.

Applications

max. 10 m/s



(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 14	6	52	18 000	901 506 00	100 010 697	5
20 x 25	6	71	9 500	901 509 00	100 010 700	5
30 x 30	6	70	6 000	901 521 00	100 010 702	5

FPK F

For fine grinding and polishing work. Recommended operating speed 5 – 10 m/sec.

Applications

max. 10 m/s

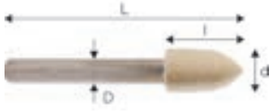
(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
6 x 5	3	48	30 000	901 505 00	100 010 696	5
9 x 8	3	47	20 000	901 504 00	100 010 695	5

FPK K

For fine grinding and polishing work. Recommended operating speed 5 – 10 m/sec.

Applications

max. 10 m/s



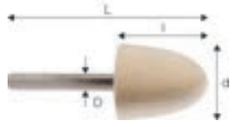
(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 18	6	58	18 000	901 508 00	100 010 699	5

FPK L

For fine grinding and polishing work. Recommended operating speed 5 – 10 m/sec.

Applications

max. 10 m/s



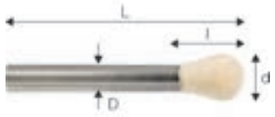
(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
7 x 8	3	49	25 000	901 503 00	100 010 694	5
25 x 30	6	73	7 500	901 522 00	100 010 703	5
30 x 35	6	75	6 000	901 510 00	100 010 701	5

FPK O

For fine grinding and polishing work. Recommended operating speed 5 – 10 m/sec.

Applications

max. 10 m/s



(d) x (l)	Shaft (D)	Overall length (L)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10 x 14	6	56	18 000	901 507 00	100 010 698	5

Grinding tools with shafts

Flap wheels

Type	FSW
Applications	
Grain size	AO ▲ 40 – 400

Structured flap wheels

Type	FSW TZ
Applications	
Grain size	AO ▲ 160 (P 120) – A6 (P 2500)

Felt polishing brushes

Type	FPW
Applications	
Grain size	Felt

Non-woven interleave fibre brushes

Type	FVSK
Applications	
Grain size	AO ▲ 60 – 240

Non-woven fibre brushes

Type	FVVK, FVVGK, FVBK, FVBG
Applications	
Grain size	AO = ▲ 100 – 280 SC = ▲ 500

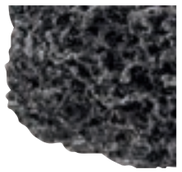
Non-woven fibre brushes cut and polish

Type	FVVK CP
Applications	
Grain size	AO ▲ C, M, VF

Impregnated non-woven fibre wheels

Type	FVVK CRS
Applications	
Grain size	SC

Clean and strip brushes



Type	FVOK
Applications	
Grain size	SC-Reinforced non-woven fibre

Plastic reinforced brushes

Type	BDK
Applications	
Grain size	CE ▲ 80 – 220

Wire brushes

Type	RDBS, RDBZ-S, PDB, PDBZ
Applications	
Wire	ST + VA 0,15 – 0,5 mm

Applications

Deburring, Cleaning, Rust removal, Fine sanding, Satin finishing, Hairline finishing, Blending & Finishing.

Flap wheels

FSW

Permanently sharp abrasive grain, because ribs wear down uniformly. High flexibility combined with a good abrasion rate. For fine grinding radii, removing significant undulations and achieving fine surfaces in container, kitchen and apparatus construction.

Applications

max. 30 m/s

(d) x (l)	Shaft (D)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min⁻¹			
10 x 10	3	60	33 000	910 228 00	100 009 225	10
10 x 10	3	80	33 000	910 229 00	100 009 226	10
10 x 10	3	120	33 000	910 230 00	100 009 227	10
10 x 10	3	150	33 000	910 231 00	100 009 228	10
10 x 10	3	180	33 000	910 232 00	100 009 229	10
10 x 10	3	240	33 000	910 233 00	100 009 230	10
10 x 10	3	320	33 000	910 234 00	100 009 231	10
20 x 20	6	60	33 000	909 362 00	100 008 655	10
20 x 20	6	80	33 000	909 363 00	100 008 656	10
20 x 20	6	120	33 000	909 364 00	100 008 657	10
20 x 20	6	150	33 000	909 365 00	100 008 658	10
20 x 20	6	180	33 000	909 366 00	100 008 659	10
20 x 20	6	240	33 000	909 367 00	100 008 660	10
20 x 20	6	320	33 000	909 368 00	100 008 661	10
25 x 10	6	60	26 000	909 353 00	100 008 648	10
25 x 10	6	80	26 000	909 354 00	100 008 649	10
25 x 10	6	120	26 000	909 355 00	100 008 650	10
25 x 10	6	150	26 000	909 356 00	100 008 651	10
25 x 10	6	180	26 000	909 357 00	100 008 652	10
25 x 10	6	240	26 000	909 358 00	100 008 653	10
25 x 10	6	320	26 000	909 359 00	100 008 654	10
30 x 10	6	40	23 000	907 898 00	100 010 370	10
30 x 10	6	60	23 000	907 390 00	100 010 301	10
30 x 10	6	80	23 000	907 391 00	100 010 302	10
30 x 10	6	120	23 000	906 419 00	100 010 029	10
30 x 10	6	150	23 000	907 392 00	100 010 303	10
30 x 10	6	180	23 000	906 420 00	100 010 030	10
30 x 10	6	240	23 000	907 393 00	100 010 304	10
30 x 10	6	320	23 000	906 418 00	100 010 028	10
30 x 10	6	400	23 000	907 909 00	100 010 378	10
40 x 15	6	60	17 000	901 920 00	100 010 838	10
40 x 15	6	80	17 000	901 921 00	100 010 839	10
40 x 15	6	120	17 000	901 923 00	100 010 840	10
40 x 15	6	150	17 000	901 924 00	100 010 841	10
40 x 15	6	180	17 000	903 338 00	100 011 147	10
40 x 15	6	240	17 000	901 925 00	100 010 842	10
40 x 15	6	320	17 000	901 926 00	100 010 843	10
50 x 20	6	60	14 000	907 987 00	100 010 409	10
50 x 20	6	80	14 000	907 988 00	100 010 410	10
50 x 20	6	120	14 000	907 989 00	100 010 411	10
50 x 20	6	150	14 000	907 990 00	100 010 412	10
50 x 20	6	180	14 000	907 991 00	100 010 413	10
50 x 20	6	240	14 000	907 992 00	100 010 414	10
50 x 20	6	320	14 000	907 993 00	100 010 415	10
60 x 20	6	60	11 000	901 947 00	100 010 846	10

(d) x (l)	Shaft (D)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
60 x 20	6	80	11 000	901 948 00	100 010 847	10
60 x 20	6	120	11 000	901 950 00	100 010 848	10
60 x 20	6	150	11 000	901 951 00	100 010 849	10
60 x 20	6	180	11 000	901 952 00	100 010 850	10
60 x 20	6	240	11 000	901 953 00	100 010 851	10
60 x 20	6	320	11 000	901 954 00	100 010 852	10
60 x 30	6	40	11 000	907 902 00	100 010 372	10
60 x 30	6	60	11 000	901 956 00	100 010 853	10
60 x 30	6	80	11 000	903 339 00	100 011 148	10
60 x 30	6	120	11 000	901 958 00	100 010 854	10
60 x 30	6	150	11 000	901 959 00	100 010 855	10
60 x 30	6	180	11 000	901 960 00	100 010 856	10
60 x 30	6	240	11 000	901 961 00	100 010 857	10
60 x 30	6	320	11 000	901 962 00	100 010 858	10
60 x 30	6	400	11 000	907 913 00	100 010 380	10
80 x 30	6	60	8 000	901 975 00	100 010 859	10
80 x 30	6	80	8 000	901 976 00	100 010 860	10
80 x 30	6	120	8 000	901 978 00	100 010 861	10
80 x 30	6	150	8 000	901 979 00	100 010 862	10
80 x 30	6	180	8 000	901 980 00	100 010 863	10
80 x 30	6	240	8 000	901 982 00	100 010 864	10
80 x 30	6	320	8 000	901 983 00	100 010 865	10
80 x 50	6	60	8 000	901 985 00	100 010 866	10
80 x 50	6	80	8 000	901 986 00	100 010 867	10
80 x 50	6	120	8 000	901 987 00	100 010 868	10
80 x 50	6	150	8 000	903 340 00	100 011 149	10
80 x 50	6	180	8 000	901 988 00	100 010 869	10
80 x 50	6	240	8 000	901 989 00	100 010 870	10
80 x 50	6	320	8 000	901 990 00	100 010 771	10

FSW TZ

Optimize your grinding process! The pyramid structure of the abrasive grain permits the skipping of work steps and thus a drastic shortening of working hours. Results in an even surface with optimum roughness values. Offers up to 10 × longer service life than abrasive sleeves. For all grinding work up to pre-polishing.

Applications

max. 30 m/s

(d) x (l)	Shaft (D)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
30 x 20	6	A 160 (P 120)	25 500	913 403 00	100 006 683	10
30 x 20	6	A 100 (P 220)	25 500	913 404 00	100 006 684	10
30 x 20	6	A 65 (P 280)	25 500	913 405 00	100 006 685	10
30 x 20	6	A 45 (P 400)	25 500	913 406 00	100 006 686	10
30 x 20	6	A 30 (P 600)	25 500	913 407 00	100 006 687	10
30 x 20	6	A 16 (P 1 200)	25 500	913 408 00	100 006 688	10
30 x 20	6	A 6 (P 2 500)	25 500	913 409 00	100 006 689	10
40 x 30	6	A 160 (P 120)	19 100	913 410 00	100 006 690	10
40 x 30	6	A 100 (P 220)	19 100	913 411 00	100 006 691	10
40 x 30	6	A 65 (P 280)	19 100	913 412 00	100 006 692	10
40 x 30	6	A 45 (P 400)	19 100	913 413 00	100 006 693	10
40 x 30	6	A 30 (P 600)	19 100	913 414 00	100 006 694	10
40 x 30	6	A 16 (P 1 200)	19 100	913 415 00	100 006 695	10
40 x 30	6	A 6 (P 2 500)	19 100	913 416 00	100 006 696	10
60 x 30	6	A 160 (P 120)	11 000	913 417 00	100 006 697	10
60 x 30	6	A 100 (P 220)	11 000	913 418 00	100 006 698	10
60 x 30	6	A 65 (P 280)	11 000	913 419 00	100 006 699	10
60 x 30	6	A 45 (P 400)	11 000	913 420 00	100 006 700	10
60 x 30	6	A 30 (P 600)	11 000	913 421 00	100 006 701	10
60 x 30	6	A 16 (P 1 200)	11 000	913 422 00	100 006 702	10
60 x 30	6	A 6 (P 2 500)	11 000	913 423 00	100 006 703	10

Non-woven interleave fibre brushes

FVSK

Combination of grinding fabric and non-woven ribs with synthetic resin bonding. A grinding fabric inlay achieves a rougher grinding pattern and greater material removal. Ideal for removing fine scratches, satin finishing and fine grinding.

Applications

max. 30 m/s

(d) x (l)	Shaft (D)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
40 x 30	6	60	13 000	907 999 00	100 010 420	10
40 x 30	6	100	13 000	908 000 00	100 010 421	10
40 x 30	6	150	13 000	908 001 00	100 010 422	10
40 x 30	6	240	13 000	908 002 00	100 010 423	10
80 x 50	6	60	8 000	906 878 00	100 010 112	10
80 x 50	6	100	8 000	906 879 00	100 010 113	10
80 x 50	6	150	8 000	906 880 00	100 010 114	10
80 x 50	6	240	8 000	906 881 00	100 010 115	10
100 x 45	6	60	5 500	906 882 00	100 010 116	6
100 x 45	6	100	5 500	906 883 00	100 010 117	6
100 x 45	6	150	5 500	906 884 00	100 010 118	6
100 x 45	6	240	5 500	906 885 00	100 010 119	6

Non-woven fibre brushes

FVVK

Soft version with low grain count for softer grinding and a finer finish on stainless steels. The rollers adapt themselves, even to shaped workpieces. For producing matt surfaces, depending on grain: line finishing (P 100 – P 180), satin finishing (P 280) silk finishing (P 500).

Applications

max. 25 m/s

(d) x (l)	Shaft (D)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
40 x 30	6	100	13 000	907 996 00	100 010 417	10
40 x 30	6	180	13 000	907 997 00	100 010 418	10
40 x 30	6	280	13 000	907 998 00	100 010 419	10
40 x 30	6	500	13 000	909 323 00	100 008 626	10
80 x 50	6	100	6 000	903 429 00	100 011 193	10
80 x 50	6	180	6 000	903 430 00	100 011 194	10
80 x 50	6	280	6 000	903 431 00	100 011 195	10
80 x 50	6	500	6 000	909 324 00	100 008 627	10

FVVGK

Folded grinding fabric enables finishing with virtually no start-marks, especially on stainless steel surfaces. Line finishing (P 100 – P 180), satin finishing (P 280) silk finishing (P 500).

Applications

max. 25 m/s

(d) x (l)	Shaft (D)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
100 x 50	6	100	6 000	908 753 00	100 009 668	5
100 x 50	6	180	6 000	908 754 00	100 009 669	5
100 x 50	6	280	6 000	908 755 00	100 009 670	5
100 x 50	6	500	6 000	909 336 00	100 008 639	5

FVBK

Eight-layer non-woven discs permanently mounted on mandrel

Applications

max. 25 m/s

(d) x (l)	Shaft (D)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
75 x 50	6	100	8 000	908 088 00	100 010 522	10
75 x 50	6	180	8 000	908 089 00	100 010 523	10
75 x 50	6	280	8 000	908 090 00	100 010 524	10
75 x 50	6	500	8 000	909 327 00	100 008 630	10

FVBG

Non-woven discs in bell shape on interchangeable mandrel.

Applications

max. 25 m/s

(d) x (l)	Shaft (D)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
50 x 50	6	100	11 000	908 091 00	100 010 525	2
50 x 50	6	180	11 000	908 092 00	100 010 526	2
50 x 50	6	280	11 000	908 093 00	100 010 527	2
50 x 50	6	500	11 000	909 328 00	100 008 631	2
75 x 50	6	100	8 000	908 094 00	100 010 528	2
75 x 50	6	180	8 000	908 095 00	100 010 529	2
75 x 50	6	280	8 000	908 096 00	100 010 530	2
75 x 50	6	500	8 000	909 329 00	100 008 632	2

FVVK CP

Compressed, hard lamellas for; higher aggression, removal of scratches, constant cleaning, light deburring and for finishing and polishing applications on stainless steel.

C = coarse, M = medium, F = fine, VF = very fine

Applications

max. 30 m/s

(d) x (l)	Shaft (D)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
100 x 45	6	C	6 000	907 065 00	100 010 176	6
100 x 45	6	F	6 000	906 867 00	100 010 107	6
100 x 45	6	VF	6 000	906 868 00	100 010 108	6
75 x 45	6	C	8 000	907 064 00	100 010 175	10
75 x 45	6	F	8 000	906 865 00	100 010 105	10
75 x 45	6	VF	8 000	906 866 00	100 010 106	10

FVVK CRS

Ideal for finishing, blending and polishing applications on stainless steel. Can also be used for light deburring, scratch removal and constant cleaning. Provides a neat and reproduceable grinding pattern.

Applications

max. 25 m/s

(d) x (l)	Shaft (D)	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
80 x 50	6	C	8 000	913 223 00	100 007 801	4

Clean and strip brushes

FVOK

Made of synthetic fibres, abrasive grain and resin. For removing heavy corrosion, mill scale on hot-rolled steels, stubborn paint layers on metals and heat tinting. Ideal for stainless steels. For metallically clean surfaces.

Applications

max. 32 m/s

(d) x (l)	Shaft (D)	max. Speed	ID-No.	Mat.-No.	
mm	mm	min-1			
75 x 13	6	8 000	907 055 00	100 010 169	5
75 x 26	6	8 000	907 056 00	100 010 170	5
100 x 13	6	6 000	907 057 00	100 010 171	5
100 x 26	6	6 000	907 058 00	100 010 172	5
150 x 13	8	4 000	907 059 00	100 010 173	5
150 x 26	8	4 000	907 060 00	100 010 174	5

Plastic reinforced brushes

BDK

Ideal for cleaning, stripping, deburring and smoothing work on virtually all materials. The brushes are comprised of six segments which are permanently fixed to a 6 mm shaft. Immediate use is then possible without the need for additional accessories.

Applications

max. 30 m/s

(d) x (l)	Shaft (D)	Grain size	Color	max. Speed	ID-No.	Mat.-No.	
mm	mm			min-1			
50 x 6	6	80	Yellow	10 000	913 111 00	100 007 715	6
50 x 6	6	120	white	10 000	913 112 00	100 007 716	6
50 x 6	6	220	Red	10 000	913 113 00	100 007 717	6
75 x 6	6	80	Yellow	10 000	913 114 00	100 007 718	6
75 x 6	6	120	white	10 000	913 115 00	100 007 719	6
75 x 6	6	220	Red	10 000	913 116 00	100 007 720	6

Wire brushes

RDBS

For rust removal, cleaning, etc. Recommended operating speed 5 – 10 m/s. Available wire qualities: Crimped steel (ST) or stainless steel (VA).

Shaft Ø=6mm

Applications

max. 25 m/s

Diameter	Width	Wire diameter	Wire quality	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
20	6	0.15	VA	24 000	902 214 00	100 010 991	10
30	6	0.15	ST	16 000	902 204 00	100 010 986	10
30	6	0.15	VA	16 000	902 215 00	100 010 992	10
40	12	0.15	ST	12 000	902 205 00	100 010 987	10
40	12	0.15	VA	12 000	902 216 00	100 010 993	10
50	17	0.20	ST	10 000	902 206 00	100 010 988	10
50	17	0.20	VA	10 000	902 217 00	100 010 994	10
60	20	0.20	ST	8 000	902 207 00	100 010 989	10
60	20	0.20	VA	8 000	902 218 00	100 010 995	10
70	15	0.20	ST	7 000	902 208 00	100 010 990	10
70	15	0.20	VA	7 000	902 219 00	100 010 996	10
80	15	0.20	VA	6 000	903 494 00	100 011 228	10
90	10	0.20	VA	5 000	903 495 00	100 011 229	10

PDBZ

For descaling, cleaning, etc. Available wire qualities: Twist knot steel (ST) or stainless steel (VA).

Shaft Ø = 6mm

Applications

max. 25 m/s

Diameter	Width	Wire diameter	Wire quality	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
20	29	0.15	ST	22 000	902 286 00	100 011 010	12
20	29	0.15	VA	22 000	902 297 00	100 011 013	12
20	29	0.26	VA	22 000	902 298 00	100 011 014	12
23	29	0.15	VA	20 000	902 299 00	100 011 015	12
23	29	0.26	VA	20 000	902 300 00	100 011 016	12
23	29	0.35	ST	20 000	902 291 00	100 011 011	12
23	29	0.35	VA	20 000	903 404 00	100 011 178	12
30	29	0.15	VA	16 000	902 301 00	100 011 017	12
30	29	0.26	VA	16 000	902 302 00	100 011 018	12

RDBZ-S

For economic working at high speeds. Available wire qualities: Twist knot Steel (ST) or stainless steel (VA).

Shaft Ø=6mm

Applications

max. 80 m/s

Diameter	Width	Wire diameter	Wire quality	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min⁻¹			
75	9	0.50	ST	20 000	907 089 00	100 010 196	1
75	9	0.50	VA	20 000	908 083 00	100 010 517	1

PDB A

For rust removal, cleaning, etc. Recommended operating speed 5 – 10 m/s. Available wire qualities: Crimped steel (ST) or stainless steel (VA).

Shaft Ø=6mm

Applications

max. 25 m/s

Diameter	Width	Wire diameter	Wire quality	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min⁻¹			
10	22	0.30	ST	10 000	906 891 00	100 010 124	6
10	22	0.30	VA	10 000	907 040 00	100 010 162	6
17	25	0.30	ST	18 000	902 225 00	100 010 999	6
17	25	0.30	VA	18 000	902 220 00	100 010 997	6
30	25	0.30	ST	15 000	902 226 00	100 011 000	6
30	25	0.30	VA	15 000	902 221 00	100 010 998	6

PDB G

For rust removal, cleaning, etc. Recommended operating speed 5 – 10 m/s. Available wire qualities: Crimped steel (ST) or stainless steel (VA).

Shaft Ø=6mm

Applications

max. 25 m/s

Diameter	Width	Wire diameter	Wire quality	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min⁻¹			
10	22	0.50	ST	10 000	906 892 00	100 010 125	6
10	22	0.50	VA	10 000	907 041 00	100 010 163	6

PDB P

For rust removal, cleaning, etc. Recommended operating speed 5 – 10 m/s. Available wire qualities: Crimped steel (ST) or stainless steel (VA).

Shaft Ø=6mm

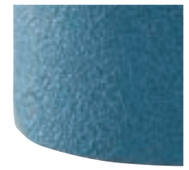
Applications

max. 25 m/s

Diameter	Width	Wire diameter	Wire quality	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min⁻¹			
10	25	0.30	ST	10 000	906 893 00	100 010 126	6
10	25	0.30	VA	10 000	907 042 00	100 010 164	6

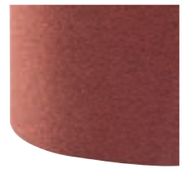
Grinding tools with holders

Abrasive sleeves zirconia aluminia



Type	ESB ZK, PSWB ZK, ESWB ZK
Applications	
Grain size	ZK ▲40 – 320

Abrasive sleeves aluminium oxide

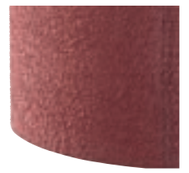


Type	ESWB AO
Applications	
Grain size	AO ▲40 – 180

Ceramic abrasive sleeves

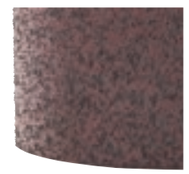
Type	ESB CE-11, ESWB CE-11
Applications	
Grain size	CE ▲40 – 120

High performance ceramic abrasive sleeves



Type	ESB CE II, ESWB CE II
Applications	
Grain size	CE II ▲36 – 120

Abrasive sleeves compact grain

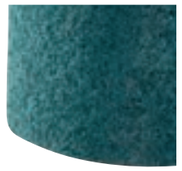


Type	ESWB CG
Applications	
Grain size	AO ▲120 – 180

Structured abrasive sleeve

Type	ESWB TZ, PSWB TZ
Applications	
Grain size	AO ▲A300 (P80) – A6 (P2500)

Non-woven sleeves



Type	ESB FVV, PSWB FVV, ESWB FVV
Applications	
Grain size	AO ▲C, M VF

Abrasive sleeves and caps

Type	PCH, PCK
Applications	
Grain size	AO ▲60 – 280

Cartridge rolls

Type	SF, SFK
Applications	
Grain size	AO ▲80 – 150

Applications

Material removal, Surface sanding, Deburring, Scratch removal, Fine sanding, Mat finishing, Blending & polishing.

Abrasive sleeves zirconia aluminia

ESB ZK

For use with elastic abrasive belt holders. Impressively aggressive grinding and high abrasion. Suitable for stainless steel, unalloyed steel, non-ferrous metals and wood.

Applications

max. 30 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min⁻¹			
10	20	40	27 000	908 142 00	100 010 571	50
10	20	60	27 000	908 143 00	100 010 572	50
10	20	80	27 000	908 144 00	100 010 573	50
10	20	120	27 000	908 145 00	100 010 574	50
10	20	180	27 000	908 146 00	100 010 575	50
10	20	220	27 000	908 704 00	100 009 627	50
10	20	240	27 000	908 705 00	100 009 628	50
10	20	320	27 000	908 706 00	100 009 629	50
15	30	40	26 000	908 147 00	100 010 576	50
15	30	60	26 000	908 148 00	100 010 577	50
15	30	80	26 000	908 149 00	100 010 578	50
15	30	120	26 000	908 150 00	100 010 579	50
15	30	180	26 000	908 151 00	100 010 580	50
22	14	40	16 000	901 273 00	100 011 981	50
22	14	60	16 000	901 275 00	100 011 982	50
22	14	80	16 000	901 276 00	100 011 983	50
22	14	120	16 000	901 278 00	100 011 985	50
22	14	150	16 000	901 279 00	100 011 986	50
22	14	180	16 000	901 280 00	100 011 987	50
22	20	40	25 000	908 026 00	100 010 436	50
22	20	60	25 000	908 027 00	100 010 437	50
22	20	80	25 000	908 028 00	100 010 438	50
22	20	120	25 000	908 030 00	100 010 440	50
22	20	150	25 000	908 031 00	100 010 441	50
22	20	180	25 000	908 032 00	100 010 442	50
25	30	40	15 000	901 295 00	100 011 988	50
25	30	60	15 000	901 297 00	100 011 989	50
25	30	80	15 000	901 298 00	100 011 990	50
25	30	120	15 000	901 300 00	100 011 992	50
25	30	150	15 000	901 301 00	100 011 993	50
25	30	180	15 000	901 302 00	100 011 994	50
30	18	40	12 500	901 306 00	100 011 995	50
30	18	60	12 500	901 308 00	100 011 996	50
30	18	80	12 500	901 309 00	100 011 997	50
30	18	120	12 500	901 311 00	100 011 999	50
30	18	150	12 500	901 312 00	100 012 000	50
30	18	180	12 500	901 313 00	100 012 001	50
30	30	40	20 000	906 921 00	100 010 135	50
30	30	60	20 000	906 922 00	100 010 136	50
30	30	80	20 000	906 923 00	100 010 137	50
30	30	120	20 000	906 925 00	100 010 139	50
30	30	150	20 000	906 926 00	100 010 140	50
30	30	180	20 000	906 927 00	100 010 141	50
45	30	40	12 000	907 943 00	100 010 473	50
45	30	60	12 000	907 944 00	100 010 474	50

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-¹			
45	30	80	12 000	907 945 00	100 010 475	50
45	30	120	12 000	907 947 00	100 010 477	50
45	30	150	12 000	907 948 00	100 010 478	50
45	30	180	12 000	907 949 00	100 010 479	50
45	30	220	12 000	908 707 00	100 009 630	50
45	30	240	12 000	908 708 00	100 009 631	50
45	30	320	12 000	908 709 00	100 009 632	50
60	30	40	8 000	908 153 00	100 010 582	50
60	30	60	8 000	908 154 00	100 010 583	50
60	30	80	8 000	908 155 00	100 010 584	50
60	30	120	8 000	908 157 00	100 010 586	50
60	30	150	8 000	908 158 00	100 010 587	50
60	30	180	8 000	908 159 00	100 010 588	50
75	30	40	5 000	907 967 00	100 010 489	50
75	30	60	5 000	907 968 00	100 010 490	50
75	30	80	5 000	907 969 00	100 010 391	50
75	30	120	5 000	907 971 00	100 010 393	50
75	30	150	5 000	907 972 00	100 010 394	50
75	30	180	5 000	907 973 00	100 010 395	50

Accessories abrasive belt holders

Flexible abrasive belt holders

Type	ID-No.	Mat.-No.	
ESR 10/20	907 930 00	100 010 467	1
ESR 15/30	907 931 00	100 010 468	1
ESR 22/20	907 932 00	100 010 469	1
ESR 45/30	907 934 00	100 010 471	1
ESR 75/30	907 935 00	100 010 472	1
ESR 60/30	908 152 00	100 010 581	1
ESR 30/30	052 778 01	100 047 203	1
ESR 22/14	049 395 01	100 048 418	1
ESR 25/30	049 396 01	100 048 419	1
ESR 30/18	049 397 01	100 048 420	1

ESB ZK

For use with elastic abrasive belt holders. Impressively aggressive grinding and high abrasion. Suitable for stainless steel, unalloyed steel, non-ferrous metals and wood.

Applications

max. **30 m/s**

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-¹			
22/36	60	40	6 000	908 040 00	100 010 448	50
22/36	60	60	6 000	908 041 00	100 010 449	50
22/36	60	80	6 000	908 042 00	100 010 450	50
22/36	60	120	6 000	908 044 00	100 010 452	50
22/36	60	150	6 000	908 045 00	100 010 453	50
22/36	60	180	6 000	908 046 00	100 010 454	50

Accessories abrasive belt holders

Accessories abrasive sleeves

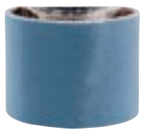
Type	ID-No.	Mat.-No.	
ESR 22/36/60	908 048 00	100 010 455	1

PSWB ZK

For use with elastic abrasive belt holders. Impressively aggressive grinding and high abrasion. Suitable for stainless steel, unalloyed steel, non-ferrous metals and wood.

Applications

max. **30 m/s**



Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-¹			
75	75	40	6 000	907 866 00	100 010 344	10
75	75	60	6 000	907 867 00	100 010 345	10
75	75	80	6 000	907 868 00	100 010 346	10
75	75	120	6 000	907 870 00	100 010 348	10
75	75	180	6 000	907 872 00	100 010 350	10
75	75	220	6 000	907 873 00	100 010 351	10
120	80	40	4 000	907 858 00	100 010 336	10
120	80	60	4 000	907 859 00	100 010 337	10
120	80	80	4 000	907 860 00	100 010 338	10
120	80	120	4 000	907 862 00	100 010 340	10
120	80	180	4 000	907 864 00	100 010 342	10
120	80	220	4 000	907 865 00	100 010 343	10

Accessories abrasive belt holders

Pneumatic abrasive wheel

Type	ID-No.	Mat.-No.	
PSW 120/80	907 850 00	100 010 328	1
PSW 75/75	907 851 00	100 010 329	1

Ceramic abrasive sleeves

ESB CE-11

Performs impressively when processing very hard surfaces on account of aggressive grinding and a very long service life in diverse applications. With additional active grinding layer: reduces the temperature in the grinding zone. Suitable for stainless steel, superalloys, non-ferrous metals and aluminium.

Applications

max. 30 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
45	30	40	12 000	913 367 00	100 007 899	50
45	30	60	12 000	913 368 00	100 007 900	50
45	30	80	12 000	913 382 00	100 007 914	50
45	30	120	12 000	913 383 00	100 007 915	50
60	30	40	8 000	913 369 00	100 007 901	50
60	30	60	8 000	913 370 00	100 007 902	50
60	30	80	8 000	913 384 00	100 007 916	50
60	30	120	8 000	913 385 00	100 007 917	50

Accessories abrasive belt holders

		Type	ID-No.	Mat.-No.	
	Flexible abrasive belt holders	ESR 45/30	907 934 00	100 010 471	1
		ESR 60/30	908 152 00	100 010 581	1

High performance ceramic abrasive sleeves

ESB CE II

Applications

max. 30 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
45	30	36	12 000	912 956 00	100 007 553	20
45	30	60	12 000	912 957 00	100 007 554	20
45	30	80	12 000	912 958 00	100 007 555	20
45	30	120	12 000	912 959 00	100 007 556	20

Accessories abrasive belt holders

		Type	ID-No.	Mat.-No.	
	Flexible abrasive belt holders	ESR 45/30	907 934 00	100 010 471	1

Structured abrasive sleeve

ESWB TZ

For all grinding work all the way to pre-polishing. A pyramid structure allows you to skip stages of the work and therefore greatly reduce working times. Long service life. Suitable for all metals, especially titanium, nickel, cobalt, chrome and other stainless steel alloys.

Applications

max. 35 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
45	30	A 160 (P 120)	12 700	909 322 00	100 008 625	20
45	30	A 100 (P 220)	12 700	909 321 00	100 008 624	20
45	30	A 65 (P 280)	12 700	909 320 00	100 008 623	20
45	30	A 45 (P 400)	12 700	909 319 00	100 008 622	20
45	30	A 30 (P 600)	12 700	909 318 00	100 008 621	20
45	30	A 16 (P 1 200)	12 700	909 317 00	100 008 620	20
45	30	A 6 (P 2 500)	12 700	909 877 00	100 009 029	20
60	30	A 160 (P 120)	9 500	909 316 00	100 008 619	20
60	30	A 100 (P 220)	9 500	909 315 00	100 008 718	20
60	30	A 65 (P 280)	9 500	909 314 00	100 008 717	20
60	30	A 45 (P 400)	9 500	909 313 00	100 008 716	20
60	30	A 30 (P 600)	9 500	909 312 00	100 008 715	20
60	30	A 16 (P 1 200)	9 500	909 311 00	100 008 714	20
60	30	A 6 (P 2 500)	9 500	909 878 00	100 009 030	20
75	75	A 160 (P 120)	4 000	909 507 00	100 008 766	10
75	75	A 100 (P 220)	4 000	909 506 00	100 008 765	10
75	75	A 65 (P 280)	4 000	909 504 00	100 008 764	10
75	75	A 45 (P 400)	4 000	909 503 00	100 008 763	10
75	75	A 30 (P 600)	4 000	909 502 00	100 008 762	10
75	75	A 16 (P 1 200)	4 000	909 501 00	100 008 761	10
75	75	A 6 (P 2 500)	4 000	909 500 00	100 008 760	10
100	40	A 160 (P 120)	2 700	909 403 00	100 008 684	20
100	40	A 100 (P 220)	2 700	909 402 00	100 008 683	20
100	40	A 65 (P 280)	2 700	909 401 00	100 008 682	20
100	40	A 45 (P 400)	2 700	909 400 00	100 008 681	20
100	40	A 30 (P 600)	2 700	909 399 00	100 008 680	20
100	40	A 16 (P 1 200)	2 700	909 398 00	100 008 679	20
100	40	A 6 (P 2 500)	2 700	909 397 00	100 008 678	20

Accessories abrasive belt holders

		Type	ID-No.	Mat.-No.	
	Flexible abrasive belt holders	ESR-W 45/30	908 802 00	100 009 717	1
		ESR-W 60/30	908 927 00	100 009 790	1
		ESR-W 100/40	909 031 00	100 009 857	1
	Pneumatic abrasive wheel	PSW 75/75	907 851 00	100 010 329	1

Non-woven sleeves

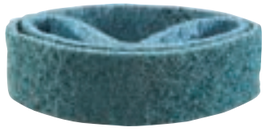
ESB FVV

Non-woven nylon fabric on an open textile backing with in-built grinding agent. For a metallically pure finish. For deburring, matting and finishing any stainless steel and steel components. Produces a uniform decorative finish on stainless steel and non-ferrous metals.

C = coarse, M = medium, F = fine, VF = very fine

Applications

max. 30 m/s



Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
75	30	C	5 000	907 974 00	100 010 396	20
75	30	M	5 000	907 975 00	100 010 397	20
75	30	VF	5 000	907 976 00	100 010 398	20

Accessories abrasive belt holders

	Type	ID-No.	Mat.-No.	
Flexible abrasive belt holders	ESR 75/30	907 935 00	100 010 472	1

PSWB FVV

Non-woven nylon fabric on an open textile backing with in-built grinding agent. For a metallically pure finish. For deburring, matting and finishing any stainless steel and steel components. Produces a uniform decorative finish on stainless steel and non-ferrous metals.

C = coarse, M = medium, F = fine, VF = very fine

Applications

max. 30 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
75	75	C	4 500	907 855 00	100 010 333	5
75	75	M	4 500	907 856 00	100 010 334	5
75	75	VF	4 500	907 857 00	100 010 335	5
120	80	C	3 200	907 852 00	100 010 330	5
120	80	M	3 200	907 853 00	100 010 331	5
120	80	VF	3 200	907 854 00	100 010 332	5

Accessories abrasive belt holders

	Type	ID-No.	Mat.-No.	
Pneumatic abrasive wheel	PSW 120/80	907 850 00	100 010 328	1
	PSW 75/75	907 851 00	100 010 329	1

Flexible abrasive belt holders

ESR

Self-tightening, slitted rubber roller

Diameter	Width	Shaft	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
10	20	6	27 000	907 930 00	100 010 467	1
15	30	6	26 000	907 931 00	100 010 468	1
22	14	6	16 000	049 395 01	100 048 418	1
22	20	6	25 000	907 932 00	100 010 469	1
25	30	6	15 000	049 396 01	100 048 419	1
30	18	6	12 500	049 397 01	100 048 420	1
30	30	6	20 000	052 778 01	100 047 203	1
45	30	6	12 000	907 934 00	100 010 471	1
60	30	6	8 000	908 152 00	100 010 581	1
75	30	8	5 000	907 935 00	100 010 472	1

ESR-W

Soft version

Diameter	Width	Shaft	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
22	20	6	25 000	912 754 00	100 007 368	1
45	30	6	14 000	908 802 00	100 009 717	1
60	30	6	10 000	908 927 00	100 009 790	1
100	40	8	5 000	909 031 00	100 009 857	1

ESR

Self-tightening, slitted rubber roller

Diameter	Width	Shaft	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
22/36	60	6	6 000	908 048 00	100 010 455	1

Pneumatic drum

PSW

For variable hardness levels.

Diameter	Width	Shaft	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
75	75	8	6 000	907 851 00	100 010 329	1
120	80	12	4 000	907 850 00	100 010 328	1

Abrasive sleeves

PCH

For fine working at difficult places in mould making. Abrasive sleeves are quickly changed.

Applications

max. 12 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
8	85	60	12 000	902 088 00	100 010 909	10
8	85	150	12 000	903 394 00	100 011 170	10
13	85	60	12 000	902 093 00	100 010 914	10
13	85	150	12 000	903 395 00	100 011 171	10
18	85	60	12 000	902 098 00	100 010 919	10
18	85	150	12 000	903 396 00	100 011 172	10
23	85	60	10 000	902 102 00	100 010 923	10
23	85	150	10 000	903 397 00	100 011 173	10

Accessories abrasive belt holders

Rubber supports

Type	ID-No.	Mat.-No.	
PCT 08/85	902 033 00	100 010 876	5
PCT 13/85	902 035 00	100 010 878	5
PCT 18/85	902 037 00	100 010 880	5
PCT 23/85	902 039 00	100 010 882	5

Abrasive caps

PCK A

For fine working at difficult places in mould making. Abrasive caps are quickly changed.

Applications

max. 12 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
5	10	150	40 000	902 041 00	100 010 883	50
5	10	280	40 000	902 042 00	100 010 884	50
10	15	80	20 000	902 058 00	100 010 888	50
10	15	150	20 000	902 059 00	100 010 889	50
10	15	280	20 000	902 060 00	100 010 890	50
16	26	80	12 000	902 076 00	100 010 898	50
16	26	150	12 000	902 077 00	100 010 899	50

Accessories abrasive belt holders

Rubber supports

Type	ID-No.	Mat.-No.	
PCT 05/10 A/3	902 017 00	100 010 783	5
PCT 10/15 A/3	902 023 00	100 010 785	5
PCT 16/26 A	902 029 00	100 010 872	5

PCK C

For fine working at difficult places in mould making. Abrasive caps are quickly changed.

Applications

max. 12 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
5	11	80	40 000	902 043 00	100 010 885	50
5	11	150	40 000	902 044 00	100 010 886	50
5	11	280	40 000	902 045 00	100 010 887	50
10	15	80	20 000	902 061 00	100 010 891	50
10	15	150	20 000	902 062 00	100 010 892	50
10	15	280	20 000	902 063 00	100 010 893	50
13	17	80	16 000	902 070 00	100 010 896	50
13	17	150	16 000	902 071 00	100 010 897	50
16	26	80	12 000	902 079 00	100 010 900	50
16	26	150	12 000	902 080 00	100 010 901	50
16	26	280	12 000	902 081 00	100 010 902	10

Accessories abrasive belt holders

Rubber supports

Type	ID-No.	Mat.-No.	
PCT 05/11 C/3	902 018 00	100 010 784	5
PCT 10/15 C/3	902 024 00	100 010 786	5
PCT 13/17 C	902 027 00	100 010 871	5
PCT 16/26 C	902 030 00	100 010 873	5

PCK G

For fine working at difficult places in mould making. Abrasive caps are quickly changed.

Applications

max. 12 m/s

Diameter	Width	max. Speed	ID-No.	Mat.-No.	
mm	mm	min-1			
10	15	20 000	902 064 00	100 010 894	50
10	15	20 000	902 065 00	100 010 895	50
16	26	12 000	902 082 00	100 010 903	50
16	26	12 000	902 083 00	100 010 904	50
16	26	12 000	902 084 00	100 010 905	50

Accessories abrasive belt holders

Rubber supports

Type	ID-No.	Mat.-No.	
PCT 10/15 G/3	902 025 00	100 010 787	5
PCT 16/26 G	902 031 00	100 010 874	5

PCK L

For fine working at difficult places in mould making. Abrasive caps are quickly changed.

Applications

max. 12 m/s

Diameter	Width	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm					
5	15	80	40 000	902 085 00	100 010 906	50
5	15	150	40 000	902 086 00	100 010 907	50
5	15	280	40 000	902 087 00	100 010 908	50
11	25	80	20 000	902 090 00	100 010 911	50
11	25	150	20 000	902 091 00	100 010 912	50
11	25	280	20 000	902 092 00	100 010 913	50
16	32	80	12 000	902 095 00	100 010 916	50
16	32	150	12 000	902 096 00	100 010 917	50
16	32	280	12 000	902 097 00	100 010 918	50
22	40	80	11 000	902 100 00	100 010 921	50
22	40	150	11 000	903 398 00	100 011 174	50
22	40	280	11 000	902 101 00	100 010 922	50

Accessories abrasive belt holders

Rubber supports

Type	ID-No.	Mat.-No.	
PCT 05/15 L	902 032 00	100 010 875	5
PCT 11/25 L	902 034 00	100 010 877	5
PCT 16/32 L	902 036 00	100 010 879	5
PCT 22/40 L	902 038 00	100 010 881	5

Rubber supports

PCT

Diameter	Width	Shaft	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min⁻¹			
8	85	6	12 000	902 033 00	100 010 876	5
13	85	6	12 000	902 035 00	100 010 878	5
18	85	6	12 000	902 037 00	100 010 880	5
23	85	6	10 000	902 039 00	100 010 882	5

PCT A

Diameter	Width	Shaft	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min⁻¹			
5	10	3	40 000	902 017 00	100 010 783	5
10	15	3	20 000	902 023 00	100 010 785	5
16	26	6	12 000	902 029 00	100 010 872	5

PCT L

Diameter	Width	Shaft	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min⁻¹			
5	11	3	40 000	902 018 00	100 010 784	5
10	15	3	20 000	902 024 00	100 010 786	5
13	17	6	16 000	902 027 00	100 010 871	5
16	26	6	12 000	902 030 00	100 010 873	5

PCT G

Diameter	Width	Shaft	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min⁻¹			
10	15	3	20 000	902 025 00	100 010 787	5
16	26	6	12 000	902 031 00	100 010 874	5

PCT L

Diameter	Width	Shaft	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min⁻¹			
5	15	6	40 000	902 032 00	100 010 875	5
11	25	6	20 000	902 034 00	100 010 877	5
16	32	6	16 000	902 036 00	100 010 879	5
22	40	6	11 000	902 038 00	100 010 881	5

Cartridge rolls

SF

Consists of abrasives wound up in a spiral. For grinding inaccessible parts when making moulds and tools, etc., deburring cast components and processing fillet-welded seams. High cutting rate.

Applications

max. 10 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	Inch					
8	40	1/8	80	25 000	901 811 00	100 010 799	100
8	40	1/8	150	25 000	901 812 00	100 010 801	100
13	40	1/8	80	17 000	901 813 00	100 010 802	100
13	40	1/8	150	17 000	901 814 00	100 010 804	100
16	40	1/8	80	14 000	901 815 00	100 010 805	50
16	40	1/8	150	14 000	901 816 00	100 010 806	50
19	40	1/4	80	12 000	901 817 00	100 010 807	50
19	40	1/4	150	12 000	901 818 00	100 010 808	50

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	Spindle	FG 6-1/4	▸ SF 1940	6	907 951 00	100 010 481	1
	Spindle	FG 6-1/8	▸ SF 0840 ▸ SF 1340 ▸ SF 1640 ▸ SFK 1940	6	907 950 00	100 010 480	1

Conical cartridge rolls

SFK

Consists of abrasives wound up in a spiral. For grinding inaccessible parts when making moulds and tools, etc., deburring cast components and processing fillet-welded seams. High cutting rate.

Applications

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	Inch					
19	40	1/8	80	12 000	901 819 00	100 010 809	50
19	40	1/8	150	12 000	901 820 00	100 010 810	50

Accessories Overhung spindles

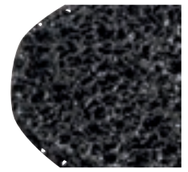
		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	Spindle	FG 6-1/8	▸ SF 0840 ▸ SF 1340 ▸ SF 1640 ▸ SFK 1940	6	907 950 00	100 010 480	1

Grinding tools with clamping mandrels

Cotton reinforced discs

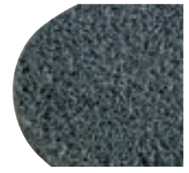
Type	BVSB
Applications	
Grain size	AO – SC Mix ▲36 – 120

Clean and strip discs



Type	FVOS
Applications	
Grain size	SC-Reinforced non-woven fibre

Unitized non-woven abrasives



Type	SUN-Press®
Applications	
Grain size	SF = SC Fine (Density 2 – 6) AM = AO Med (Density 8 – 10)

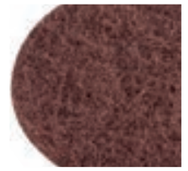
Plastic reinforced discs

Type	BDS
Applications	
Grain size	CE ▲80 – 220

Resin cross pads and overlap discs

Type	SK, SR
Applications	
Grain size	AO ▲80 – 150

Non-woven discs



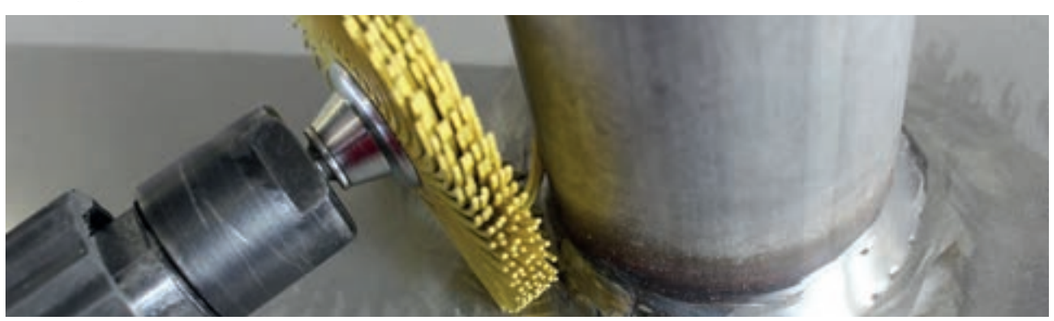
Type	FVBG-S
Applications	
Grain size	AO = ▲100 – 280 SC = ▲500

Circular nylon brushes

Type	RNB
Applications	
Grain size	AO ▲ 60 – 120

Applications

Weld preparation, Removal of discoloration, Rust removal, Deburring, Cleaning, Blending & Finishing.



Laminated cotton grinding discs

BVSB

Grinding and finishing of weld seams in one operation. For rough to medium applications. Non-Loading on aluminium or softer metals. Long service life.

Applications

max. 48 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
75	3	6	A 36 KGX	12 000	913 025 00	100 007 607	5
75	3	6	A 80 KGX	12 000	913 026 00	100 007 608	5
75	3	6	A 120 KGX	12 000	913 027 00	100 007 609	5

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	**Spindle** For use with straight grinders.	**FD 6-06**	▶ **TURBO DISC 50/1** ▶ **SUN-Press 50/3** ▶ **SUN-Press 75/3** ▶ **BVSB 75**	6	908 117 00	100 010 551	1

Unitized non-woven abrasives

SUN-Press®

For all deburring, cleaning, blending and finishing needs up to pre-polishing. Time and cost saving: one work step only from grinding weld seams to perfect, shiny surfaces. Efficient and long service life on every material, especially stainless steel, titanium and aluminum.

Applications

max. 48 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
50	3	6	6SF	18 000	909 615 00	100 008 844	5
50	6	6	2SF	18 000	909 604 00	100 008 833	5
50	6	6	4SF	18 000	909 605 00	100 008 834	5
50	6	6	6SF	18 000	909 609 00	100 008 838	5
75	3	6	6SF	12 000	909 607 00	100 008 836	5
75	3	6	8AM	12 000	909 610 00	100 008 839	5
75	6	6	2SF	12 000	909 614 00	100 008 843	5
75	6	6	4SF	12 000	909 606 00	100 008 835	5
75	6	6	6SF	12 000	909 608 00	100 008 837	5
75	6	6	8AM	12 000	909 612 00	100 008 841	5

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	**Spindle** For use with straight grinders.	**FD 6-06**	▶ **SUN-Press 50/6** ▶ **SUN-Press 75/6** ▶ **TURBO DISC** ▶ **FPS 30** ▶ **FPS 45**	6	908 079 00	100 010 513	1
		**FD 6-06**	▶ **TURBO DISC 50/1** ▶ **SUN-Press 50/3** ▶ **SUN-Press 75/3** ▶ **BVSB 75**	6	908 117 00	100 010 551	1

SUN-Press PRO

Next generation - Premium unitized discs! Free from animal derived ingredients. Suitable for the processing of stainless steel in the food and pharma industry but also for general metal construction. Providing a high-quality finish without damaging the surface: Reduce grinding errors, time and therefore costs For all deburring, cleaning, blending and finishing needs up to pre-polishing. Time and cost saving: one work step only from grinding weld seams to perfect, shiny surfaces.

Applications

max. 45 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-1			
50	3	6	6SF	18 000	913 495 00	100 006 769	25
50	3	6	8AM	18 000	913 489 00	100 006 763	25
50	6	6	2SF	18 000	913 465 00	100 006 745	25
50	6	6	6SF	18 000	913 496 00	100 006 786	25
50	6	6	8AM	18 000	913 490 00	100 006 764	25
75	3	6	6SF	12 000	913 497 00	100 006 787	25
75	3	6	8AM	12 000	913 491 00	100 006 765	25
75	6	6	2SF	12 000	913 466 00	100 006 746	15
75	6	6	6SF	12 000	913 498 00	100 006 788	15
75	6	6	8AM	12 000	913 492 00	100 006 766	15

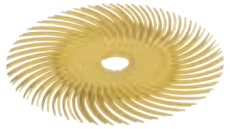
Plastic reinforced discs

BDS 50 + 75

Suitable for removing corrosion, lacquer and discolouration, for cleaning weld seams and geometric workpieces and for deburring and smoothing work on virtually all materials in hard-to-reach areas. Pay attention to the rotation direction! Single discs.

Applications

max. 75 m/s



Diameter	Bore	Grain size	Color	max. Speed	ID-No.	Mat.-No.	
mm	mm			min-1			
25	3	80	Yellow	35 000	913 122 00	100 007 726	24
25	3	120	white	35 000	913 123 00	100 007 727	24
50	10	80	Yellow	30 000	913 124 00	100 007 728	20
50	10	120	white	30 000	913 125 00	100 007 729	20
50	10	220	Red	30 000	913 126 00	100 007 730	20
50	10	400	Blue	30 000	913 127 00	100 007 731	20
75	10	80	Yellow	20 000	913 128 00	100 007 732	20
75	10	120	white	20 000	913 129 00	100 007 733	20
75	10	220	Red	20 000	913 130 00	100 007 734	20
75	10	400	Blue	20 000	913 131 00	100 007 735	20

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	Spindle	FD 3-1/8"	▸ BDS 25	3	913 180 00	100 007 757	1
		FD 6-10 BDS	▸ BDS 50 ▸ BDS 75	6	913 149 00	100 007 653	1
		FD 1/4"-10 BDS		1/4	913 182 00	100 007 759	1

		Type	For use with	Outer diameter	Inner diameter	Tool fixture	ID-No.	Mat.-No.	
				mm	mm	mm			
	Accesories	DS BDS 50/75	▸ BDS 50 KA 25 ▸ 9 KNS ▸ BDS 75 KA 25 ▸ 9 KNS	10	6	10	450 354 01	100 016 959	1

Clean and strip discs

FVOS

Made of synthetic fibres, abrasive grain and resin. For removing heavy corrosion, mill scale on hot-rolled steels, stubborn paint layers on metals and heat tinting. Ideal for stainless steels. For metallically clean surfaces.

Applications

max. 32 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
100	13	14	6 000	903 462 00	100 011 218	5
150	13	14	4 000	903 463 00	100 011 219	5
200	13	14	3 000	906 362 00	100 010 020	2

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	Spindle	FD 6-14	▸ FVOS 100/13 ▸ FVOS 150/13 ▸ FVBG-S	6	904 705 00	100 011 317	1
		FD 8-14	▸ FVOS 200/13 ▸ FVBG-S ▸ BDR 150	8	904 706 00	100 011 318	1

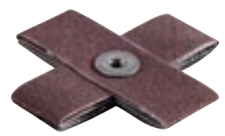
Cross pads

SK

For soft, rattle-free work in places that are hard to access. Deburring pipes, equalising radii.

Applications

max. 40 m/s



Diameter	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-1			
76	1/4" - 20	80	10 000	901 827 00	100 010 817	25
76	1/4" - 20	100	10 000	908 668 00	100 009 578	25
76	1/4" - 20	150	10 000	901 828 00	100 010 818	25

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	Spindle	FG 6 1/4-20	▸ SK 76 ▸ SR 76	6	907 953 00	100 010 483	1

Overlap resin discs

SR

For grinding out pipes and generally processing internal diameters. Suitable for light deburring, cleaning and equalising.

Applications

max. 40 m/s

Diameter	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm		min-¹			
40	8 - 32	80	20 000	901 836 00	100 010 826	100
40	8 - 32	150	20 000	908 670 00	100 009 579	100
76	1/4" - 20	80	10 000	901 838 00	100 053 376	25
76	1/4" - 20	100	10 000	901 832 00	100 010 822	25
76	1/4" - 20	150	10 000	908 673 00	100 009 581	25

Accessories Overhung spindles

	Type	For use with	Shaft	ID-No.	Mat.-No.	
			mm			
 Spindle	FG 6 1/4-20	▸ SK 76 ▸ SR 76	6	907 953 00	100 010 483	1
	FG 6 8-32	▸ SR 40	6	907 952 00	100 010 482	1

Non-woven discs

FVBG-S

Very conformable with little abrasive content for finishing and polishing, especially for stainless steel. The discs are suitable for contour work to obtain a matt surface or satinfinish according to grade. Only use in direct surface contact!

Applications

max. 25 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-¹			
50	8	6	100	11 000	908 097 00	100 010 531	50
50	8	6	180	11 000	908 098 00	100 010 532	50
50	8	6	280	11 000	908 099 00	100 010 533	50
50	8	6	500	11 000	909 330 00	100 008 633	50
75	8	6	100	8 000	908 100 00	100 010 534	50
75	8	6	180	8 000	908 101 00	100 010 535	50
75	8	6	280	8 000	908 102 00	100 010 536	50
75	8	6	500	8 000	909 331 00	100 008 634	50
150	8	14	100	4 000	908 384 00	100 009 344	20
150	8	14	180	4 000	908 385 00	100 009 345	20
150	8	14	280	4 000	908 386 00	100 009 346	20
150	8	14	500	4 000	909 332 00	100 008 635	20
200	8	14	100	3 000	908 387 00	100 009 347	20
200	8	14	180	3 000	908 388 00	100 009 348	20
200	8	14	280	3 000	908 389 00	100 009 349	20
200	8	14	500	3 000	909 333 00	100 008 636	20

Accessories Overhung spindles

	Type	For use with	Shaft	ID-No.	Mat.-No.	
			mm			
	FD 6-14	▸ FVOS 100/13 ▸ FVOS 150/13 ▸ FVBG-S	6	904 705 00	100 011 317	1
 Spindle	FD 6-6	▸ FVBG-S 50 + 75	6	908 124 00	100 010 556	1
	FD 8-14	▸ FVOS 200/13 ▸ FVBG-S ▸ BDR 150	8	904 706 00	100 011 318	1

Circular nylon brushes

RNB

Suitable for cleaning, roughening, derusting, paint removal and texturing.

Applications

max. 60 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-¹			
75	12	5/8"	120	12 000	902 262 00	100 011 002	1
100	13	5/8"	80	12 000	902 265 00	100 011 003	1
100	13	5/8"	120	12 000	902 266 00	100 011 004	1
150	17	5/8"	80	8 000	902 269 00	100 011 005	1
150	17	5/8"	120	8 000	902 270 00	100 011 006	1

Accessories Overhung spindles

	Type	For use with	Shaft	ID-No.	Mat.-No.	
			mm			
 Spindle	FD 6-5/8	▸ RNB 75 - 150	6	902 316 00	100 011 021	1

Abrasive wheels

Sander Head

Type	BSK
Applications	
Grain size	SC ▲60 – 320

Flap wheels

Type	FSW, FSSW
Applications	
Grain size	AO ▲40 – 400

Plastic reinforced discs

Type	BDR
Applications	
Grain size	CE ▲36 – 400

Combi flap wheels

Type	FVSR
Applications	
Grain size	AO ▲60 – 240

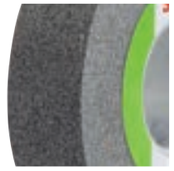
Non-woven fibre wheels

Type	FVVR, FVVGR
Applications	
Grain size	AO = ▲100 – 280 SC = ▲500

Non-woven fibre wheels cut and polish

Type	FVVR CP
Applications	
Grain size	AO ▲C, M, VF

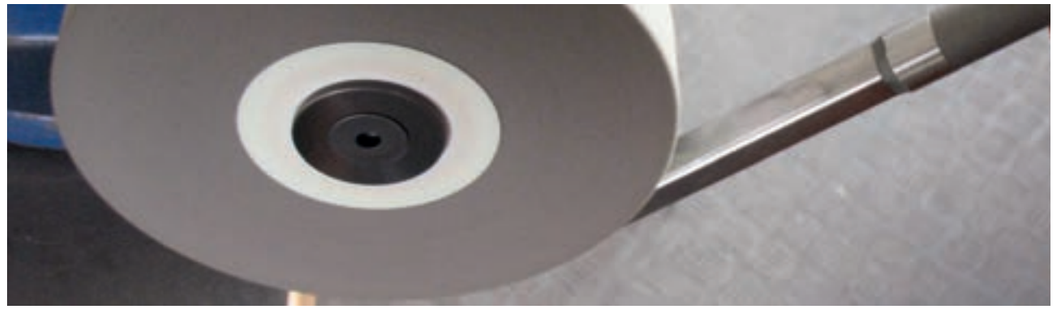
Convolute non-woven wheels



Type	SUN-Roll®
Applications	
Grain size	SC ▲Fine

Applications

Surface sanding, Cleaning, Scratch removal, Fine sanding, Satin finishing, hairlines, Blending & Finishing.



Sander head

BSK

For finishing work on stainless steel, aluminum etc. dry working with SUBOL grinding fluid to achieve brushed/grained surface effects. Silicon carbide resin bonded abrasive strips. Recommended speed 850 – 1400 min-1.

12-segment flap brush with 12 fitted fibrebrushes (excluding spindle and abrasive strips).

Applications

max. 22 m/s

Diameter	Width	max. Speed	ID-No.	Mat.-No.	
mm	mm	min-1			
150	60	2 800	902 110 00	100 010 928	1
150	38	2 800	912 622 00	100 007 285	1

Accessories Overhung spindles

	Type	For use with	Shaft	ID-No.	Mat.-No.	
			mm			
 **Spindle**	**FG 12-5/8**	▸ **BSK 150/60** ▸ **BSK 150/38**	12	014 762 01	100 051 766	1
 **Spindle** With thread	**FG MK1-5/8**		MK 1	014 750 01	100 051 765	1

BSK-SB

Abrasive strip package for self-tightening. Suitable for sander head BSK.

1 set with 12 belts (=3 x 4 pieces)

Applications

Width	Length	Grain size	ID-No.	Mat.-No.	
mm	mm				
60	190	60	902 120 00	100 010 944	1
60	190	80	902 121 00	100 010 945	1
60	190	100	906 860 00	100 010 103	1
60	230	120	902 123 00	100 010 946	1
60	230	150	906 861 00	100 010 104	1
60	230	180	902 125 00	100 010 947	1
60	230	220	902 126 00	100 010 948	1
60	230	320	902 128 00	100 010 949	1
38	190	60	912 625 00	100 007 288	1
38	190	80	912 626 00	100 007 289	1
38	230	120	912 628 00	100 007 291	1
38	230	150	912 629 00	100 007 292	1
38	230	180	912 630 00	100 007 293	1
38	230	220	912 631 00	100 007 294	1
38	230	320	912 632 00	100 055 830	1

BSK-FB

Replacement brush for fitting by user.

Length	ID-No.	Mat.-No.	
BSK 150/60	902 111 00	100 010 929	12
BSK 150/38	912 623 00	100 007 286	12

BSK-FBH

Replacement brush holder for one brush

ID-No.	Mat.-No.	
902 112 00	100 010 931	12
912 624 00	100 007 287	12

Flap wheels

FSW

Permanently sharp abrasive grain, because ribs wear down uniformly. High flexibility combined with a good abrasion rate. For fine grinding on large radii, removing major unevennesses and achieving fine surfaces in container, kitchen and apparatus construction.

Applications

max. 30 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min⁻¹			
165	25	45/30	40	4 000	907 905 00	100 010 374	4
165	25	45/30	60	4 000	903 367 00	100 011 159	4
165	25	45/30	80	4 000	901 999 00	100 010 772	4
165	25	45/30	120	4 000	902 000 00	100 010 773	4
165	25	45/30	150	4 000	902 001 00	100 010 774	4
165	25	45/30	180	4 000	902 002 00	100 010 775	4
165	25	45/30	240	4 000	902 003 00	100 010 776	4
165	25	45/30	320	4 000	907 907 00	100 010 376	4
165	50	45/30	40	4 000	907 906 00	100 010 375	2
165	50	45/30	60	4 000	902 004 00	100 010 777	2
165	50	45/30	80	4 000	902 006 00	100 010 778	2
165	50	45/30	120	4 000	902 008 00	100 010 779	2
165	50	45/30	150	4 000	902 009 00	100 010 780	2
165	50	45/30	180	4 000	902 010 00	100 010 781	2
165	50	45/30	240	4 000	902 011 00	100 010 782	2
165	50	45/30	320	4 000	907 908 00	100 010 377	2
165	50	45/30	400	4 000	907 917 00	100 010 382	2

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	Spindle	FDV 12-48	▸ FSW 165/25	12	057 652 01	100 045 248	1
		FDV 12-48	▸ FSW 165/50 ▸ FVVGR 150/50 ▸ FVVGR 200/50	12	057 652 02	100 045 249	1
		FDV MK1-48	▸ FSW 165/25	MK 1	057 652 04	100 045 250	1
		FDV MK1-48	▸ FSW 165/50	MK 1	057 652 05	100 045 251	1

FSSW

The grinding ribs are divided up into small segments. This enables very soft work to be done, including on contours. Suitable for grinding and deburring work on demanding workpieces, and also on surfaces.

Applications

max. 30 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min⁻¹			
120	50	19	60	5 000	907 892 00	100 010 364	2
120	50	19	80	5 000	907 893 00	100 010 365	2

Accessories Overhung spindles

		Type	For use with	Dia-meter	Shaft	ID-No.	Mat.-No.	
				mm	mm			
	Spindle	FG M 14-19/50	▸ FSSW 120/50	19	M 14 (i)	907 985 00	100 010 407	1

Combi flap wheels

FVSR

Combination of grinding fabric and non-woven ribs with synthetic resin bonding. A grinding fabric inlay achieves a rougher grinding pattern and greater material removal. Ideal for removing fine scratches, satin finishing and fine grinding.

Applications

max. 30 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min⁻¹			
175	45	51	60	3 000	906 886 00	100 010 120	2
175	45	51	100	3 000	906 887 00	100 010 121	2
175	45	51	150	3 000	906 888 00	100 010 122	2
175	45	51	240	3 000	906 889 00	100 010 123	2

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	Spindle	FDV 12-51	▸ FVSR 175/45 ▸ FVVR 150/50	12	048 593 02	100 048 248	1
		FDV MK1-51		MK 1	048 593 04	100 048 250	1

Non-woven fibre wheels

FVVR

Soft version with low grain count for softer grinding and a finer finish on stainless steels. The rollers adapt themselves, even to shaped workpieces. For producing matt surfaces, depending on grain: line finishing (P100 – P180), satin finishing (P280) silk finishing (P500).

Applications

max. 25 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min⁻¹			
150	50	51	100	3 200	902 106 00	100 010 925	1
150	50	51	180	3 200	902 107 00	100 010 926	1
150	50	51	280	3 200	902 108 00	100 010 927	1
150	50	51	500	3 200	909 325 00	100 008 628	1

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	Spindle	FDV MK1-51	▸ FVSR 175/45 ▸ FVVR 150/50	MK 1	048 593 04	100 048 250	1
		FDV 12-51		12	048 593 02	100 048 248	1

FVVGR

Folded grinding fabric enables finishing with virtually no edge marks, especially on stainless steel surfaces. Line finishing (P100 – P180), satin finishing (P280) silk finishing (P500).

Applications

max. 30 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-¹			
150	50	45	100	4 000	908 756 00	100 009 671	1
150	50	45	180	4 000	908 757 00	100 009 672	1
150	50	45	280	4 000	908 758 00	100 009 673	1
150	50	45	500	4 000	909 334 00	100 008 637	1
200	50	45	100	3 000	908 759 00	100 009 674	1
200	50	45	180	3 000	908 760 00	100 009 675	1
200	50	45	280	3 000	908 761 00	100 009 676	1
200	50	45	500	3 000	909 335 00	100 008 638	1

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	Spindle	FDV 12-48	▸ FSW 165/50 ▸ FVVGR 150/50 ▸ FVVGR 200/50	12	057 652 02	100 045 249	1

FVVR CP

Compressed, hard lamellas for; higher aggression, removal of scratches, constant cleaning, light deburring and for finishing and polishing applications on stainless steel.

Applications

max. 25 m/s

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-¹			
150	50	51	C	3 400	903 433 00	100 011 197	1
150	50	51	F	3 400	903 434 00	100 011 198	1
150	50	51	VF	3 400	907 066 00	100 010 177	1
200	50	76	C	2 500	903 435 00	100 011 199	1
200	50	76	F	2 500	903 436 00	100 011 200	1
200	50	76	VF	2 500	901 755 00	100 010 790	1

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	Spindle	FDV 12-51	▸ FVSR 175/45 ▸ FVVR 150/50	12	048 593 02	100 048 248	1
		FDV 12-76	▸ SUN-Roll 200/50 ▸ FVVR 200/50	12	048 593 01	100 048 247	1
		FDV MK1-51	▸ FVSR 175/45 ▸ FVVR 150/50	MK 1	048 593 04	100 048 250	1
		FDV MK1-76	▸ SUN-Roll 200/50 ▸ FVVR 200/50	MK 1	048 593 03	100 048 249	1

Convolute non-woven wheels

SUN-Roll®

For small parts' surfaces that need to be visibly and sensibly even. For deburring, blending and polishing applications, leaving a very bright, shiny surface without any traces. Previous grinding scratches will be removed. Quick and dust free. Suitable for all material, especially stainless steel, titanium. No loading on soft material such as aluminum. Observe direction!

Applications

max. 48 m/s

A = soft
B = medium
C = hard

Diameter	Width	Bore	Grain size	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm		min-¹			
150	13	25	B	6 000	909 629 00	100 008 857	3
150	25	25	A	6 000	909 631 00	100 008 858	2
150	25	25	B	6 000	909 632 00	100 008 859	2
150	25	25	C	6 000	909 633 00	100 008 860	2
150	50	25	A	6 000	909 637 00	100 008 864	1
150	50	25	B	6 000	909 638 00	100 008 865	1
150	50	25	C	6 000	909 639 00	100 008 866	1
200	25	76	A	4 500	909 634 00	100 008 861	1
200	25	76	B	4 500	909 635 00	100 008 862	1
200	25	76	C	4 500	909 636 00	100 008 863	1
200	50	76	A	4 500	909 640 00	100 008 867	1
200	50	76	B	4 500	909 641 00	100 008 868	1
200	50	76	C	4 500	909 642 00	100 008 869	1

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	Spindle	FDV 12-25	▸ SUN-Roll 150/25	12	048 594 01	100 048 251	1
		FDV 12-76	▸ SUN-Roll 200/50 ▸ FVVR 200/50	12	048 593 01	100 048 247	1
		FDV 12-76	▸ SUN-Roll 200/25	12	520 000 83	100 014 912	1
		FDV MK1-25	▸ SUN-Roll 150/50	MK 1	048 594 04	100 048 254	1
		FDV 12-50		12	048 594 02	100 048 252	1
		FDV MK1-25	▸ SUN-Roll 150/25	MK 1	048 594 03	100 048 253	1
		FDV MK1-76	▸ SUN-Roll 200/50 ▸ FVVR 200/50	MK 1	048 593 03	100 048 249	1

		Type	For use with	ID-No.	Mat.-No.	
	Hand piece support	H-FH 12	▸ FH 10 INOX ▸ FH 12 INOX	520 000 72	100 014 907	1

Plastic reinforced discs

BDR 150

Suitable for removing corrosion, lacquer and discolouration, for cleaning weld seams and geometric workpieces and for deburring and smoothing work on virtually all materials in hard-to-reach areas. Pay attention to the rotation direction! comprised of eight segments. The internal diameter (flange) can be expanded individually.

Max. RPM: 6000min-¹

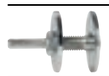
Applications

max. 48 m/s

Diameter	Width	Bore	Grain size	Color	ID-No.	Mat.-No.	
mm	mm	mm					
150	12	16, 19, 22, 25	36	Brown	913 132 00	100 007 736	1
150	12	16, 19, 22, 25	50	Green	913 133 00	100 007 737	1
150	12	16, 19, 22, 25	80	Yellow	913 134 00	100 007 738	1
150	12	16, 19, 22, 25	80 C	Yellow	913 221 00	100 007 799	1
150	12	16, 19, 22, 25	120	White	913 135 00	100 007 739	1
150	12	16, 19, 22, 25	220	Red	913 136 00	100 007 740	1
150	12	16, 19, 22, 25	400	Blue	913 137 00	100 007 741	1
150	12	16, 19, 22, 25	80	Yellow	913 455 00	100 006 735	1
150	12	16, 19, 22, 25	120	White	913 456 00	100 006 736	1

Accessories Flange set

		Type	For use with	Tool fixture	ID-No.	Mat.-No.	
	Flange	Flange for BDR 150	▸ BDR 150 ▸ UKC 3-R ▸ AKC 3	M14	913 147 00	100 007 651	1

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	Spindle	FD 8-14	▸ FVOS 200/13 ▸ FVBG-S ▸ BDR 150	8	904 706 00	100 011 318	1

Tools for polishing machines

Felt polishing discs

Type	FPS, FPS-LFS, FPK
Applications	
Grain size	Felt

Buffing mops

Type	SS, PG
Applications	
Grain size	Cotton

Pre-polishing rings

Type	VPR
Applications	
Grain size	Cotton

Polishing rings

Type	PR
Applications	
Grain size	Cotton (medium hard)

Butting rings

Type	HPR
Applications	
Grain size	Cotton (soft)

Hook & Loop polishing discs

Type	FPS-K, WPS-K, PSM-K
Applications	
Grain size	FPS = Felt WPS = Wool PSM = Foam

Machine / abrasive matrix

Motors	Abrasives	Applications	Optimal cutting speed						
									max.
			m/s						
	 **FPS**	High-gloss polishing small metal parts	8	8	–	8	8	8	**10**
	 **SS**	High-gloss polishing soft non-ferrous metals	20	20	–	20	12	12	**25**
	 **VPR**	Prepolishing and brushing inox steels	20	20	–	20	12	12	**25**
	 **PR**	General polishing and brushing	20	20	–	20	12	12	**25**
	 **HPR**	General high-gloss polishing	20	20	–	20	12	12	**25**

Applications

Matt-brushing, Pre-polishing, Polishing, Burnishing.

Felt polishing discs

FPS

For fine grinding and polishing work. Recommended operating speed: 5 – 10 m/sec.

Applications

max. 10 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
30	7	6	6 000	901 523 00	100 010 704	1
45	9	6	4 500	901 524 00	100 010 705	1
80	10	14	2 300	902 143 00	100 010 958	1
100	20	14	1 800	902 144 00	100 010 959	1
120	20	14	1 500	902 145 00	100 010 960	1
150	25	18	1 300	902 146 00	100 010 961	1
175	30	18	1 100	902 147 00	100 010 962	1
200	30	22	1 100	902 148 00	100 010 963	1

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	**Spindle** For use with straight grinders.	**FD 6-06**	▸ **SUN-Press 50/6** ▸ **SUN-Press 75/6** ▸ **TURBO DISC** ▸ **FPS 30** ▸ **FPS 45**	6	908 079 00	100 010 513	1
	**Spindle**	**FDV 12-14**	▸ **NSV 125-10** ▸ **RDB 125/25** ▸ **GSF** ▸ **SS 120/20** ▸ **FPS 120**	12	049 020 01	100 048 386	1
		**FDV 6-14**	▸ **RDB 80/25** ▸ **GSF** ▸ **SS 80/10** ▸ **FPS 80**	6	020 717 01	100 052 016	1
		**FDV 8-14**	▸ **RDB** ▸ **SS 100/20** ▸ **FPS 100**	8	020 719 01	100 052 017	1
		**FDV MK1-18**	▸ **RDB 150/35** ▸ **FPS 150** ▸ **SS 150/30**	MK 1	020 722 01	100 052 020	1
		**FDV MK1-18**	▸ **RDB 178/35** ▸ **FPS 175** ▸ **SS 175/30**	MK 1	020 723 01	100 052 021	1
		**FDV MK2-22**	▸ **SS 200/30** ▸ **SS 250/30** ▸ **FPS 200**	MK 2	010 759 01	100 052 779	1
	**Spindle** With clamping plates, for grinding wheels, brushes, etc.	**FDV MK1-14**	▸ **NSV 100-10** ▸ **RDB 125/25** ▸ **FPS 120** ▸ **GSF** ▸ **SS 120/20**	MK 1	020 720 01	100 052 019	1

FPS-LFS T27

Suitable for stainless steel and aluminium. To be used with polishing compound to achieve a flawless mirror finish. Ideal for the treatment of non-uniform surfaces.

Applications

max. 45 m/s

Diameter	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	min-1			
125	22.2	7 700	912 606 00	100 007 270	2

FPW

For polishing stainless steel and aluminium components, injection moulding tools and fittings. The soft felt lamellas adapt to the contours and achieve in combination with our polishing paste No. 44 a high-quality mirror gloss. Recommended peripheral speed: 20 m/ s.

Applications

max. 20 m/s

Diameter	Width	Shaft (D)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
30	30	6	12 500	913 424 00	100 006 704	10
40	30	6	9 500	913 425 00	100 006 705	10
60	30	6	6 000	913 426 00	100 006 706	10

FPS-K

For polishing stainless steel and pre-polishing aluminium and non-ferrous metals.

Applications

max. 25 m/s

Diameter	max. Speed	ID-No.	Mat.-No.	
mm	min-1			
125	4 000	908 064 00	100 010 499	2
178	3 000	908 065 00	100 010 500	2

Accessories Support plates

		Type	For use with	ID-No.	Mat.-No.	
	**Flexible support plates**	**FSS 178-K M14**	▸ **FVVS 178-K** ▸ **FPS/PSM 178-K** ▸ **WPS 180-K**	907 052 00	100 010 168	1
		FSS 115-K M14	▸ **FVVS** ▸ **FVOS 115-K** ▸ **FPS/PSM 125-K** ▸ **WPS 135-K**	907 500 00	100 010 307	1

Buffing mops

SS

For polishing stainless steel, light metals, etc.

Applications

max. 25 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min⁻¹			
80	10	14	6 000	902 154 00	100 010 964	1
100	20	14	5 000	902 155 00	100 010 965	1
120	20	14	4 000	902 156 00	100 010 966	1
150	30	18	3 200	902 157 00	100 010 967	1
175	30	18	2 700	902 158 00	100 010 968	1
200	30	22	2 500	902 159 00	100 010 969	1
250	30	22	2 000	902 160 00	100 010 970	1

Accessories Overhung spindles

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
		FDV 12-14	▸ NSV 125-10 ▸ RDB 125/25 ▸ GSF ▸ SS 120/20 ▸ FPS 120	12	049 020 01	100 048 386	1
		FDV 6-14	▸ RDB 80/25 ▸ GSF ▸ SS 80/10 ▸ FPS 80	6	020 717 01	100 052 016	1
	Spindle	FDV 8-14	▸ RDB ▸ SS 100/20 ▸ FPS 100	8	020 719 01	100 052 017	1
		FDV MK1-18	▸ RDB 150/35 ▸ FPS 150 ▸ SS 150/30	MK 1	020 722 01	100 052 020	1
		FDV MK1-18	▸ RDB 178/35 ▸ FPS 175 ▸ SS 175/30	MK 1	020 723 01	100 052 021	1
		FDV MK2-22	▸ SS 200/30 ▸ SS 250/30 ▸ FPS 200	MK 2	010 759 01	100 052 779	1
	**Spindle** With clamping plates, for grinding wheels, brushes, etc.	FDV MK1-14	▸ NSV 100-10 ▸ RDB 125/25 ▸ FPS 120 ▸ GSF ▸ SS 120/20	MK 1	020 720 01	100 052 019	1

PG

Polishing bell for use on radii and recesses.

Applications

max. 25 m/s

Diameter	Width	Shaft (D)	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min⁻¹			
150	25	8	3 200	052 877 01	100 047 259	1

Accessories Abrasive drums and abrasives with bore

		Type	For use with	Bore	ID-No.	Mat.-No.	
				mm			
	**Loose replacement disc**	SSL 150	▸ PG 150	18	902 165 00	100 010 971	1

		Type	For use with	Shaft	ID-No.	Mat.-No.	
				mm			
	**Spindle** Replacement mandrel that fits SSL 150.	PG 80	▸ PG 150	8	020 730 01	100 052 023	1

Pre-polishing rings

VPR

For pre-polishing stainless steel and brushing non-ferrous metals. Impregnated for top results and long service life. Use on INOX with Paste 45 for removing scratches. Use on cast aluminium with Paste 41 for pre-polishing. General brushing work with Paste 30. Recommended peripheral speed: 30 – 45 m/s.

Applications

max. 45 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
100	12	20	4 000	913 289 00	100 007 822	5
150	16	20	2 800	913 290 00	100 007 823	2
200	16	20	2 000	913 291 00	100 007 824	2

Accessories Overhung spindles

	Type	For use with	Shaft	ID-No.	Mat.-No.	
			mm			
Spindle	FG M14/M14	▸ VPR ▸ PR ▸ HPR	M14	908 137 00	100 010 568	1

	Type	For use with	Outer diameter	Inner diameter	ID-No.	Mat.-No.	
			mm	mm			
Reducing flanges	RB 20:14	▸ VPR ▸ PR ▸ HPR	20	14	908 326 00	100 010 660	1
	RB 20:18		20	18	908 327 00	100 010 661	1

	Type	For use with	Width	Length	ID-No.	Mat.-No.	
			mm	mm			
Dressing rake	AR POL	▸ SS ▸ VPR ▸ PR ▸ HPR	50	380	912 665 00	100 007 348	1

Polishing rings

PR

Medium-hardness pre-polishing fabric for removal to polishing. For polishing stainless steel, non-ferrous metals and steel. Use on Inox with Paste 41 after VPR or TZ A6 (P2500). Use on aluminium with Paste 43 after VPR or SUN-Press.

Applications

max. 22 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
100	12	20	4 000	913 292 00	100 007 825	8
150	16	20	2 800	913 293 00	100 007 826	2
200	16	20	2 000	913 294 00	100 007 827	2

Accessories Overhung spindles

	Type	For use with	Shaft	ID-No.	Mat.-No.	
			mm			
Spindle	FG M14/M14	▸ VPR ▸ PR ▸ HPR	M14	908 137 00	100 010 568	1

	Type	For use with	Outer diameter	Inner diameter	ID-No.	Mat.-No.	
			mm	mm			
Reducing flanges	RB 20:14	▸ VPR ▸ PR ▸ HPR	20	14	908 326 00	100 010 660	1
	RB 20:18		20	18	908 327 00	100 010 661	1

	Type	For use with	Width	Length	ID-No.	Mat.-No.	
			mm	mm			
Dressing rake	AR POL	▸ SS ▸ VPR ▸ PR ▸ HPR	50	380	912 665 00	100 007 348	1

Butting rings

HPR

For burnishing and polishing stainless steel, aluminium, non-ferrous metals and many plastics. For use after using PR polishing rings.

Applications

max. 22 m/s

Diameter	Width	Bore	max. Speed	ID-No.	Mat.-No.	
mm	mm	mm	min-1			
100	12	20	4 000	913 295 00	100 007 828	8
150	16	20	2 800	913 296 00	100 007 829	2
200	16	20	2 000	913 297 00	100 007 830	2

Accessories Overhung spindles

	Type	For use with	Shaft	ID-No.	Mat.-No.	
			mm			
Spindle	FG M14/M14	▸ VPR ▸ PR ▸ HPR	M14	908 137 00	100 010 568	1

	Type	For use with	Outer diameter	Inner diameter	ID-No.	Mat.-No.	
			mm	mm			
Reducing flanges	RB 20:14	▸ VPR ▸ PR ▸ HPR	20	14	908 326 00	100 010 660	1
	RB 20:18		20	18	908 327 00	100 010 661	1

	Type	For use with	Width	Length	ID-No.	Mat.-No.	
			mm	mm			
Dressing rake	AR POL	▸ SS ▸ VPR ▸ PR ▸ HPR	50	380	912 665 00	100 007 348	1

Hook & Loop polishing discs

WPS-K

For pre-polishing painted surfaces and burnishing stainless steel, aluminium, non-ferrous metals and fibre-reinforced plastics.

Applications

max. 25 m/s

Diameter	max. Speed	ID-No.	Mat.-No.	
mm	min-1			
135	4 000	908 066 00	100 010 501	2
180	3 000	908 067 00	100 010 502	2

PSM-K

For burnishing painted surfaces.

Applications

max. 15 m/s

Diameter	Width	max. Speed	ID-No.	Mat.-No.	
mm	mm	min-1			
135	30	2 000	908 060 00	100 010 495	2
180	30	1 500	908 061 00	100 010 496	2

Accessories Support plates

	Type	For use with	ID-No.	Mat.-No.	
Flexible support plates	FSS 178-K M14	▸ FVVS 178-K ▸ FPS/PSM 178-K ▸ WPS 180-K	907 052 00	100 010 168	1
	FSS 115-K M14	▸ FVVS ▸ FVOS 115-K ▸ FPS/PSM 125-K ▸ WPS 135-K	907 500 00	100 010 307	1

	Type	max. Speed	Diameter	Width	ID-No.	Mat.-No.	
		min-1	mm	mm			
Adapter for PSM	AD-PSM 125/15-K	2 000	125	15	908 062 00	100 010 497	2
	AD-PSM 178/15-K	1 500	178	15	908 063 00	100 010 498	2

AD PSM-K

Used between backing plate and PSM. Ideal for processing contours and uneven surfaces.

max. 15 m/s

Diameter	Width	max. Speed	ID-No.	Mat.-No.	
mm	mm	min-1			
125	15	2 000	908 062 00	100 010 497	2
178	15	1 500	908 063 00	100 010 498	2

Dressing rake

AR POL

For buffing mops and polishing discs. Free the discs from clogging and remove residues caused by polishing compounds. Ensures best performance throughout the full polishing process.

Width	Length	ID-No.	Mat.-No.	
mm	mm			
50	380	912 665 00	100 007 348	1

Polishing paste

30

For use with fibre brushes, felt bobs and mops. Use with SUBOL oil.

Grain size	Weight	Field of application	ID-No.	Mat.-No.	
	kg				
400	0.800	All metals, especially stainless steel	902 561 00	100 011 031	1

42

For use with buffing mops, polishing bells.

Color	Weight	Field of application	ID-No.	Mat.-No.	
	kg				
Beige	0.800	Plastics	902 564 00	100 011 033	1

43

For use with buffing mops, polishing bells, felt bobs and mops, pre-polishing wheel, polishing wheel, buffing wheel.

Color	Weight	Field of application	ID-No.	Mat.-No.	
	kg				
White	0.850	NE-Metall (Alu, Cu, Ms)	902 565 00	100 011 034	1

44

For use with buffing mops, polishing bells, felt bobs and mops, pre-polishing wheel, polishing wheel, buffing wheel.

Color	Weight	Field of application	ID-No.	Mat.-No.	
	kg				
Blue	0.800	All metals, especially stainless steel	902 566 00	100 011 035	1

45

For use with buffing mops, polishing bells, felt bobs and mops, pre-polishing wheel, polishing wheel, buffing wheel.

Color	Weight	Field of application	ID-No.	Mat.-No.	
	kg				
Pink	0.800	All metals, especially stainless steel	908 330 00	100 010 664	1

47

For use with buffing mops, polishing bells, felt bobs and mops, pre-polishing wheel, polishing wheel, buffing wheel.

Color	Weight	Field of application	ID-No.	Mat.-No.	
	kg				
White	0.500	All metals, especially stainless steel	909 284 00	100 008 703	1

48

For use with buffing mops, polishing bells, felt bobs and mops, pre-polishing wheel, polishing wheel, buffing wheel.

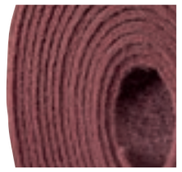
Color	Weight	Field of application	ID-No.	Mat.-No.	
	kg				
Pink	0.500	All metals, esp. aluminum; contains no silicon carbide	909 996 00	100 009 218	1

Hand-held grinding tools

Abrasive strip in reels

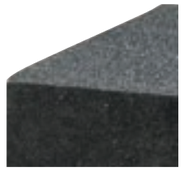
Type	SBR
Applications	
Grain size	AO ▲ 60 – 400

Non-woven shop rolls



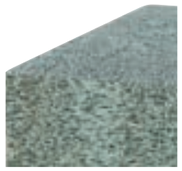
Type	FVV-SR
Applications	
Grain size	AO = ▲ 80 – 280 SC = ▲ 500 – 1 000

Flexible handblocks



Type	FVH-HD
Applications	
Grain size	SC ▲ 60 – 240

Flexible Rhombo



Type	Rhombo
Applications	
Grain size	SC ▲ 36 – 90

Non-woven hand pads

Type	FVV-B
Applications	
Grain size	AO = ▲ 180 – 280 SC = ▲ 500

Abrasive strip in reels

SBR

For working metals by hand, trimming and polishing irregular shapes and curves on pre-ground workpieces. Simply cut off the required length.

Applications

Width	Length	Grain size	ID-No.	Mat.-No.	
mm	m				
25	50	60	907 069 00	100 010 179	1
25	50	80	907 070 00	100 010 180	1
25	50	100	907 071 00	100 010 181	1
25	50	120	907 072 00	100 010 182	1
25	50	150	907 073 00	100 010 183	1
25	50	240	907 075 00	100 010 184	1
25	50	320	907 076 00	100 010 185	1
25	50	400	907 077 00	100 010 186	1
40	50	60	907 079 00	100 010 187	1
40	50	80	907 080 00	100 010 188	1
40	50	100	907 081 00	100 010 189	1
40	50	120	907 082 00	100 010 190	1
40	50	150	907 083 00	100 010 191	1
40	50	240	907 085 00	100 010 192	1
40	50	320	907 086 00	100 010 193	1

Non-woven shop rolls

FVV-SR

For cleaning, blending and finishing. Operators cut strips to required size and length, to use by hand or with mini-mandrel on grinders and drills. For general cleaning and deburring by hand, preparing pipe ends for welding, to prepare surfaces for coating, for blending stainless steel and aluminum surfaces, for cleaning of tools and other applications.

Applications

Grain 500 + 1000 = Grain quality silicon carbide

Width	Length	Grain size	ID-No.	Mat.-No.	
mm	m				
100	10	80	906 870 00	100 010 110	1
100	10	180	901 756 00	100 010 791	1
100	10	280	901 757 00	100 010 792	1
100	10	500	901 758 00	100 010 793	1
100	10	1 000	909 482 00	100 008 745	1

Flexible handblocks

FVH-HD

Soft/resilient matrix, impregnated with abrasive grain. For cleaning, mottling of steel, plastics, ceramics, wood, etc. Suitable for processing curves.

Applications

Width	Length	Height	Grain size	ID-No.	Mat.-No.	
mm	mm	mm				
80	150	20	60	901 752 00	100 010 789	1
80	150	20	120	903 400 00	100 011 175	1
80	150	20	240	903 401 00	100 011 176	1

Flexible Rhombo

Rhombo

Plastic bonded, for stainless steels, nonferrous metals, plastics, etc. Preferably for brushed lined matt finish, discs adapt to slight irregularities. Pattern is clean and straight, surface appears coarse but is smooth. Suitable for processing even surfaces. Specially for use on high-alloy steels, e.g. turbine blades.

Applications

Width	Length	Height	Grain size	ID-No.	Mat.-No.	
mm	mm	mm				
60	115	30	36	903 472 00	100 011 223	1
60	115	30	90	905 271 00	100 010 006	1

Non-woven hand pads

FVV-B

For cleaning and finishing with or without pad holder, also suitable for orbital sanders.

Applications

Width	Length	Grain size	ID-No.	Mat.-No.	
mm	mm				
152	228	180	906 869 00	100 010 109	10
152	228	280	907 607 00	100 010 312	10
152	228	500	907 608 00	100 010 313	10

Accessories Stem extension

		Type	max. Speed	Shaft	Length	ID-No.	Mat.-No.	
			min-¹	mm	mm			
	Spindle	Mini mandrel	14 000	6	74	907 246 00	100 010 262	1

		Type	Width	Length	Height	ID-No.	Mat.-No.	
			mm	mm	mm			
	Hook & Loop hand pad	HB Hand pad	65	120	42	907 499 00	100 010 306	1

Stainless steel care kit

INOX-KIT

Deep cleaner SUN-CLEAN, conditioner and protecting agent SUN-PROTECT, sponge, safety gloves.

Applications

DANGER H318: Causes serious eye damage

Content	Field of application	ID-No.	Mat.-No.	
ml				
250	Stainless steels, aluminium, copper, steel	913 219 00	100 007 797	1

Stainless steel deep cleaner

SUN-CLEAN

SUN-CLEAN is a special deep cleaner that removes oxides or rust from stainless steel. It is a white viscous liquid with a pH value of 3 consisting of organic acids and surface-active agents, without abrasive particles. It is suitable for the intensive cleaning of contaminated surfaces like flash rust and other rusty areas, also known as „tea-stains“. It is certainly not a pickling agent, for it does not attack the metal. SUN-CLEAN is therefore gentle for metals, but very aggressive to oxides and dirt.

Applications

DANGER H318: Causes serious eye damage

Content	Field of application	ID-No.	Mat.-No.	
ml				
250	Stainless steels, aluminium, copper, steel	913 216 00	100 007 794	1

Stainless steel care and protection

SUN-PROTECT

SUN-PROTECT is a neutral and mild cleaner. As well as its cleaning action in removing the lossened oxides and contamination, this product will also leave a protective nanolayer to prevent fresh corrosion as much as possible. It is also suitable for everyday cleaning of lightly soiled surfaces. SUN-PROTECT should ideally be used to remove oxides and dirt released by prior usage of SUN-CLEAN. By generous use of the cleaner, all the contamination is washed away.

Applications

Content	Field of application	ID-No.	Mat.-No.	
ml				
250	Stainless steels, aluminium	913 217 00	100 007 795	1

Stainless steel cleaner

INOX-SPRAY

INOX-SPRAY is the ideal product for the treatment of surfaces after grinding operations. It removes dust, finger marks, oil, light calcium and flash rust residues. An invisible dry film preserves indoor finishes without streaking. It does not affect the creation of the oxide layer after sanding. Free of solvent and silicone. INOX-SPRAY also cleans and protects aluminium, chrome, tiles, nonferrous metals, glass and plastics.

Applications

Content	Field of application	ID-No.	Mat.-No.	
ml				
500	All metals, especially stainless steel, chrome	902 572 00	100 011 037	1

Metal polishing

SUN-POLISH

SUN-POLISH provides very good results and makes dull metal shine like new within no time. SUN-POLISH is a liquid cleaner and polishing agent that helps remove contamination and tarnish on metal surfaces. It is specially developed for the processing of dull surfaces and is very soft to metal and skin. It is suitable for use on stainless steel, nickel, copper, brass, chromium and aluminium. Bring back the shine to all dull surfaces!

Applications

ATTENTION

H318: Causes serious eye irritation

Content	Field of application	ID-No.	Mat.-No.	
ml				
250	All metals	913 218 00	100 007 796	1

Grinding grease

FSFG

For use with abrasive belts. Increases service life and reduces clogging. Refines the grinding pattern and cools when grinding. Suitable for all metals.

Weight	Field of application	ID-No.	Mat.-No.	
kg				
0.570	All metals	902 568 00	100 011 036	1

Grinding oil

SUBOL

For use with abrasive belts and discs from grain 120 upwards. Produces a better surface finish. For cooling and cleaning abrasive. For more flexible grinding with type FSW flapwheels. Suitable for all metals.

Applications

ATTENTION

H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.

Content	Field of application	ID-No.	Mat.-No.	
L				
2.5	All metals	908 335 00	101 003 239	1

Stainless steel cleaner

TOP-CLEAN

Surfactant-free cleaner for surface preparation and final cleaning. TOP-CLEAN is a ready-to-use-product for residue-free removal of oil and grease contaminations, grinding dust, fingerprints, adhesive residues and much more. Simply spray on and wipe off with a cloth!
Perfect for preparation/ cleaning of metal surfaces during the polishing process: You can remove very easily polishing paste residues from previous steps to reach an optimal result. The cleaner is heat resistant and therefore also usable on warm surfaces without leaving any residues. Due to its gentle cleaning character, the product is also suitable to clean your machines and other equipment.
TOP-CLEAN is suitable for use on stainless steel and black steel as well as various other materials, such as glass, plastic, or wood.

Applications

Content	Field of application	Mat.-No.	
ml			
500	All metals, especially stainless steel, chrome	100 056 426	1

Mitre joint sanding kit GSL2

GSL2

This product has been specially designed to achieve a perfect miter cut.

The set consists of two miter elements as well as two one-hand clamps, which ensure the attachment of the miter gauges to the workpieces. In addition, a stainless steel band including matching TESA adhesive tape is included in the delivery, which is attached to the miter gauges.

Mat.-No.	
101 002 610	1

Mitre joint sanding

PLB

Made of stainless steel. For covering welded profiles in metal construction when mitre joint sanding.

Width	Length	Thickness	ID-No.	Mat.-No.	
mm	m	mm			
50	5	0.1	912 535 00	100 007 327	1
100	5	0.1	908 527 00	100 009 481	1
100	5	0.2	908 528 00	100 009 482	1

Tesafix

Double-sided adhesive tape, made of a white PP carrier. Solvent-free and with high adhesive strength. For fixing templet to the miter gauges.

Width	Length	Mat.-No.	
mm	m		
19	50	101 002 213	1

DKB

Double-sided PVC adhesive tape. For fixing templet to stainless steel profiles. Does not slide when grinding (temperature-resistant).

Width	Length	ID-No.	Mat.-No.	
mm	m			
50	50	908 529 00	100 009 483	1

AB-S

Heavy duty. Suitable for touch-sanding when mitre joint grinding on aluminium and stainless steel.

Width	Length	ID-No.	Mat.-No.	
mm	m			
25	16.5	912 602 00	100 007 266	1

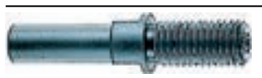
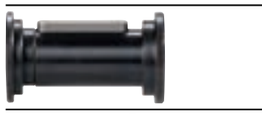
Overhung spindles

FG

Overhung spindles for tools with internal thread or with bore. Safety regulations on the use of tool spindles: Before use, be sure to consult the national safety regulations.

For use with straight grinders or straight headpieces.

FG

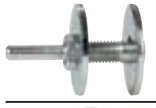
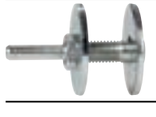
	Type	Shaft	Tool size Ø x width	Tool bore	For use with	ID-No.	Mat.-No.	
		mm	mm	mm				
	**FG 12 M 14**	12	120 x 80	M 14	▸ **PSW 75/75** ▸ **PSW 120/80** ▸ **FG M14-M14**	907 897 00	100 010 369	1
	**FG 12-5/8**	12	150 x 50	5/8"	▸ **BSK 150/60** ▸ **BSK 150/38**	014 762 01	100 051 766	1
	**FG 6 1/4-20**	6	Ø100	1/4"-20	▸ **SK 76** ▸ **SR 76**	907 953 00	100 010 483	1
	**FG 6 8-32**	6	Ø50	8-32	▸ **SR 40**	907 952 00	100 010 482	1
	**FG 6-1/4**	6	19 x 40	1/4"	▸ **SF 1940**	907 951 00	100 010 481	1
	**FG 6-1/8**	6	19 x 40	1/8"	▸ **SF 0840** ▸ **SF 1340** ▸ **SF 1640** ▸ **SFK 1940**	907 950 00	100 010 480	1
	**FG 8 M14**	8	75 x 75	M 14	▸ **PSW 75/75** ▸ **PSW 120/80**	908 251 00	100 010 637	1
	**FG M 14-19/100**	M 14 (i)	100 / 110 x 100	19	▸ **FSW** ▸ **FVSW** ▸ **FVVW** ▸ **FVOW** ▸ **UPG 5-R** ▸ **UPK 5-R**	907 875 00	100 010 353	1
	**FG M 14-19/50**	M 14 (i)	120 x 50	19	▸ **FSSW 120/50**	907 985 00	100 010 407	1
	**FG M14/M14**	M14	100/200 x 50	14	▸ **VPR** ▸ **PR** ▸ **HPR**	908 137 00	100 010 568	1
	**FG MK1-5/8**	MK 1	150 x 50	5/8	▸ **BSK 150/60** ▸ **BSK 150/38**	014 750 01	100 051 765	1
	**AD 12-19/100**	12	100 / 110 x 100	19	▸ **FSW** ▸ **FVSW** ▸ **FVVW** ▸ **FVOW** ▸ **PSW 90/100 /PSW 100/100** ▸ **ESW 90/100** ▸ **ESW 100/100**	057 993 01	100 045 614	1

Overhung spindles with flanges or clamping plates

FDV

Overhung spindles with flanges or clamping plates. Safety regulations on the use of tool spindles: Before use, be sure to consult the national safety regulations.

FDV

	Type	Shaft	Tool size Ø x width	Tool bore	For use with	ID-No.	Mat.-No.	
		mm	mm	mm				
	**FD 3-1/8"**	3	25 x 1.6-8	3	▸ **BDS 25**	913 180 00	100 007 757	1
	**FD 6-06**	6	50 x 0-4	6	▸ **TURBO DISC 50/1** ▸ **SUN-Press 50/3** ▸ **SUN-Press 75/3** ▸ **BVSB 75**	908 117 00	100 010 551	1
		6	50 x 4-10	6	▸ **SUN-Press 50/6** ▸ **SUN-Press 75/6** ▸ **TURBO DISC** ▸ **FPS 30** ▸ **FPS 45**	908 079 00	100 010 513	1
	**FD 6-1/2**	6	75 x 13	1/2"	▸ **RNB** ▸ **RDBZ 75**	902 315 00	100 011 020	1
	**FD 6-10**	6	70 x 0-4	10	▸ **TURBO DISC 75/1** ▸ **SUN-DISC M**	908 118 00	100 010 552	1
	**FD 6-10 BDS**	6	75 x 1.6-16	10	▸ **BDS 50** ▸ **BDS 75**	913 149 00	100 007 653	1
	**FD 1/4"-10 BDS**	1/4	75 x 1.6-16	10	▸ **BDS 50** ▸ **BDS 75**	913 182 00	100 007 759	1
	**FD 6-14**	6	150 x 20	12	▸ **FVOS 100/13** ▸ **FVOS 150/13** ▸ **FVBG-S**	904 705 00	100 011 317	1
	**FD 6-5/8**	6	150 x 13	5/8"	▸ **RNB 75 - 150**	902 316 00	100 011 021	1
	**FD 6-6**	6	75 x 13	6	▸ **FVBG-S 50 + 75**	908 124 00	100 010 556	1
	**FD 8-14**	8	200 x 35	12	▸ **FVOS 200/13** ▸ **FVBG-S** ▸ **BDR 150**	904 706 00	100 011 318	1

	Type	Shaft	Tool size Ø x width	Tool bore	For use with	ID-No.	Mat.-No.	
		mm	mm	mm				
	**FDV 12-14**	12	125 x 20	14	▸ **NSV 125-10** ▸ **RDB 125/25** ▸ **GSF** ▸ **SS 120/20** ▸ **FPS 120**	049 020 01	100 048 386	1
	**FDV 12-18**	12	150 x 50	18	▸ **KEFR**	049 824 02	100 047 318	1
		12	125 x 80	18	▸ **KEFR**	049 824 04	100 047 320	1
	**FDV 12-25**	12	152 x 25	25	▸ **SUN-Roll 150/25**	048 594 01	100 048 251	1
	**FDV 12-48**	12	165 x 25	45	▸ **FSW 165/25**	057 652 01	100 045 248	1
		12	165 x 51	45	▸ **FSW 165/50** ▸ **FVVGR 150/50** ▸ **FVVGR 200/50**	057 652 02	100 045 249	1
	**FDV 12-50**	12	152 x 51	25	▸ **SUN-Roll 150/50**	048 594 02	100 048 252	1
	**FDV 12-51**	12	175 x 51	51	▸ **FVSR 175/45** ▸ **FVVR 150/50**	048 593 02	100 048 248	1
	**FDV 12-76**	12	203 x 51	76	▸ **SUN-Roll 200/50** ▸ **FVVR 200/50**	048 593 01	100 048 247	1
		12	203 x 25	76	▸ **SUN-Roll 200/25**	520 000 83	100 014 912	1
	**FDV 6-14**	6	80 x 15	14	▸ **RDB 80/25** ▸ **GSF** ▸ **SS 80/10** ▸ **FPS 80**	020 717 01	100 052 016	1
	**FDV 8-14**	8	100 x 20	14	▸ **RDB** ▸ **SS 100/20** ▸ **FPS 100**	020 719 01	100 052 017	1
		8	100 x 5	14	▸ **NSV 100-8** ▸ **RDB 100/20**	020 719 03	100 052 018	1
	**FDV MK1-14**	MK 1	125 x 20	14	▸ **NSV 100-10** ▸ **RDB 125/25** ▸ **FPS 120** ▸ **GSF** ▸ **SS 120/20**	020 720 01	100 052 019	1

	Type	Shaft	Tool size Ø x width	Tool bore	For use with	ID-No.	Mat.-No.	
		mm	mm	mm				
	FDV MK1-18	MK 1	150 x 30-35	18	▸ **RDB 150/35** ▸ **FPS 150** ▸ **SS 150/30**	020 722 01	100 052 020	1
		MK 1	175 x 35	18	▸ **RDB 178/35** ▸ **FPS 175** ▸ **SS 175/30**	020 723 01	100 052 021	1
		MK 1	150 x 50	18	▸ **KEFR**	049 824 01	100 047 317	1
		MK 1	125 x 80	18	▸ **KEFT**	049 824 03	100 047 319	1
	FDV MK1-25	MK 1	152 x 25	25	▸ **SUN-Roll 150/25**	048 594 03	100 048 253	1
		MK 1	152 x 51	25	▸ **SUN-Roll 150/50**	048 594 04	100 048 254	1
	FDV MK1-48	MK 1	165 x 25	45	▸ **FSW 165/25**	057 652 04	100 045 250	1
		MK 1	165 x 50	45	▸ **FSW 165/50**	057 652 05	100 045 251	1
	**FDV MK1-51**	MK 1	175 x 51	51	▸ **FVSR 175/45** ▸ **FVVR 150/50**	048 593 04	100 048 250	1
	**FDV MK1-76**	MK 1	203 x 51	76	▸ **SUN-Roll 200/50** ▸ **FVVR 200/50**	048 593 03	100 048 249	1
	**FDV MK2-22**	MK 2	200 x 30	22	▸ **SS 200/30** ▸ **SS 250/30** ▸ **FPS 200**	010 759 01	100 052 779	1

Overhung spindles for portable pneumatic tools

SPG

Overhung spindles for portable pneumatic tools LLE, LLG, LLH. Safety regulations on the use of tool spindles: Before use, be sure to consult the national safety regulations.

SPG

	Type	Tool size Ø x width	Tool bore	For use with	ID-No.	Mat.-No.	
		mm	mm				
	**SPG 26**	75 x 1-16	10	▸ **LLE** ▸ **LLG** ▸ **50 × 16 × 10 mm**	057 833 01	100 045 434	1
	**SPG 42 M 14**	125 x 16-25	14	▸ **LLH**	052 530 01	100 046 994	1

Stem extension

VL

For extending shafts for grinding and milling tools for use in hard to reach places.

max. Speed	Shaft	Length	Tool head	ID-No.	Mat.-No.	
min-¹	mm	mm	mm			
10 000	6	150	3	908 698 00	100 009 621	1
10 000	8	150	6	908 583 00	100 009 514	1

Surface Roughness Tester MSRT-1000

MSRT-1000

- Portable surface roughness tester with a high measurement accuracy and easy handling
- No previous language or technical knowledge required. Therefore very suitable for inexperienced users
- Fast and reliable measurement (metric and imperial)
- Robust construction: Suitable for use in the workshop
- Handy size and light weight: suitable for mobile use. Fits in the vest pocket
- Color OLED display: values are always very easy to read
- Power saving due to automatic switch-off when not in use for a longer period of time
- Safe storage in the supplied case
- For intermediate or final inspection without protocol

Applications

Determination of the surface roughness following mechanical processing, e.g. grinding. Suitable for use in the workshop.

Technical data

	Type	Range	Probe tip	Weight	Dimensions	Mat.-No.
		µm	µm	KG	mm	
	**MSRT-1000**	50	10	0.200	106x70x24	101 000 274

Standard equipment

- 1 × MSRT-1000 surface roughness tester
- 1 × Roughness standard plate, two-part
- 1 × USB charger incl. EU / USA mains adapter
- 1 × Operating instructions
- 1 × Carry case

Accessories

	Type	Mat.-No.	
	**Roughness standard plate** **Roughness Standard Plate MSRT-1000**	101 000 335	1

Surface Roughness Tester MarSurf PS10

PS10

- Handy roughness tester for mobile use
- Simple and intuitive operation: As easy as operating a smartphone
- Large, illuminated 4.3" touch display
- High measurement accuracy and reproducibility of measurement results
- Data backup as TXT, X3P, CSV and PDF file
- Creation of ready PDF protocols directly in the measuring device
- Customer-specific comments for the PDF log are entered directly on the MarSurf PS 10
- Perform over 1200 measurements without having to recharge the device
- 31 parameters and 17 languages: Offer a performance range like a laboratory instrument.
- Flexibility of the device: Removable feed unit

Applications

In the production and manufacturing area at the machine for quick checking of the roughness depth of the workpiece in or on the machine.

Technical data

	Type	Range	Probe tip	Weight	Measuring force	Dimensions	Mat.-No.
		µm	µm	KG	mN	mm	
	**MarSurf PS10**	350	2	0.500	0.75	160x77x50	101 000 438

Standard equipment

- MarSurf PS10 basic device
- Drive unit, removable
- 1 standard probe, conforms to standard specifications
- Inbuilt battery
- Roughness standard for calibration, integrated into housing (removable), incl. Mahr calibration certificate
- Probe protector, mounted
- Charger
- 3 mains adapters
- Operating instructions
- Carry bag with shoulder strap
- USB cable
- Extension cable for drive unit
- Height adjuster (integrated)

Accessories

		Type	Mat.-No.	
	**Probe PHT 6-350**	**Standard probe PHT 6-350**	101 000 983	1
	**Probe PHT 11-100**	**Probe PHT 11-100**	101 000 984	1
	**Probe PHTR 100**	**Probe PHTR 100**	101 000 989	1
	**Probe extension**	**Probe extension PHT 80mm**	101 000 990	1
	**PHT adapter cross scanning**	**PHT adapter for cross scanning.**	101 000 991	1
	**Magnetic holder MarSurf PS10**	**Magnetic holder MarSurf PS10**	101 000 992	1
	**Measuring stand ST-D 300mm**	**Measuring stand ST-D 300mm**	101 000 993	1
	**MarSurf PS10 holder an ST-D**	**MarSurf PS10 mount on ST-D**	101 000 994	1
	**Data cable DK-U1 (Markom), 2m**	**Data cable DK-U1 (Markom), 2m**	101 000 995	1

Accessories surface roughness testers

MSRT-1000

The MSRT-1000 roughness standard plate is used to calibrate the MSRT-1000 surface roug-
hness tester.

Weight	Dimensions	Mat.-No.	
KG	mm		
0.200	55 x 60 x 18	101 000 335	1

PHT 6-350

Standard probe PHT 6-350, suitable for MarSurf PS10.

For flat surfaces.
Holes from Ø6mm to 17mm depth.
Grooves from 3mm width.
Min. workpiece length = probing distance + 1mm.

Range	For bore	For grooves	Mat.-No.	
µm				
350	From Ø6mm, up to 17mm depth	From 3mm width	101 000 983	1

PHT 11-100

Probe PHT 11-100 for grooves.

PS10.
to 7.5mm depth.

Range	For bore	For grooves	Mat.-No.	
µm				
100	From Ø11mm, up to 14mm depth	From 2.5mm width, up to 7.5mm depth	101 000 984	1

PHTR 100

Probe PHTR 100 for concave and convex surfaces.
0.

Probe tip	System	Mat.-No.	
µm			
2	For concave and convex surfaces	101 000 989	1

PHT 80mm

Probe extension 80mm for all P-probes.
Suitable for surface roughness tester MarSurf PS10.

Dimensions	System	Mat.-No.	
mm			
80	For all P-Sensors	101 000 990	1

Cross scanning

PHT Adapter for cross scanning.
Fits for surface roughness tester MarSurf PS10.

Weight	Mat.-No.	
0.200	101 000 991	1

Magnetic holder

Magnetic holder for surface roughness tester MarSurf PS10.

Weight	System	Mat.-No.	
KG			
0.200	PS10 magnetic mount	101 000 992	1

ST-D 300mm

Measuring stand with a 300mm column.
Fits roughness meter MarSurf PS10.

Weight	Dimensions	Mat.-No.	
KG	mm		
3	175 x 190 x 385	101 000 993	1

Holder an ST-D

Accessories for measuring stand.
MarSurf PS10 mount on measuring stand ST-D.
(not included with measuring stand delivery)

Weight	System	Mat.-No.	
KG			
0.500	swiveling and lockable	101 000 994	1

DK-U1 (Markom),2m

Data cable for direct data transfer in Excel via MarSurf PS10 interface.

length	Interfaces	Mat.-No.	
m			
2	USB and COM_Ports	101 000 995	1

Respiratory protection system swiss air

swiss air

- The revolutionary TH3 respiratory protection system swiss air
- A master filter of the very highest filter class TH3. Filters 99.8% of all pollutants from the air
- With only 48mm thickness and 550g ergonomically adapted to the back you get through even the smallest openings
- The 14h high-performance battery provides an uninterrupted working day
- From the central control panel, securely positioned on the chest section, you always have all functions under control
- Easy reading of filter and battery status
- Stepless regulation of the air flow for maximum working comfort
- Ventilated half mask made of flame retardant material
- The positive pressure supports breathing and avoids fatigue

Applications

Grinding / Metalworking / Woodworking / Industrial Applications / Plasma Cutting / Demolition / Construction / Agriculture / Waste Disposal / Medical Application / Laboratory Applications / Pharmaceutical Industry

Technical data

Type	Protection class	Weight	Color	Dimension	Noise level	Air flow	Mat.-No.
		g		mm	db	l/min	
swiss air	TH3	550	Black	250 x 170 x 50	70	130	101 001 286

Standard equipment

Ready to grind package:
Clearmaxx grinding helmet + swiss air respiratory protection system complete with control panel, incl. comfort half mask: consisting of half mask and hose system incl. head and neck strap, blower unit, shoulder carrying unit, charger, storage bag.

Accessories respiratory protection systems

		Type	Mat.-No.	
	Headband swiss air (set of 2)	**swiss air KB**	101 001 293	1
	Grinding helmet clearmaxx swiss air	**Clearmaxx H swiss air**	101 001 296	1
	Particle filter swiss air	**swiss air TH3P**	101 001 287	1
	Particle pre-filter swiss air (set of50)	**swiss air VF**	101 001 288	1
	Nose foam swiss air (set of 5)	**swiss air NAS**	101 001 290	1
	Battery swiss air	**swiss air BAT**	101 001 294	1
	Y-air hose swiss air	**swiss air YS**	101 001 291	1
	Neck strap swiss air (set of 2)	**swiss air NB**	101 001 292	1
	half mask swiss air	**swiss air HM**	101 001 289	1

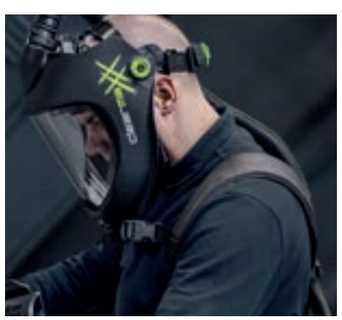
Respiratory protection system e3000X

e3000X

- Highest class respiratory protection
- 99.8% cleaned air
- The e3000X respiratory protection system - together with the Softhoods or Clearmaxx grinding helmet with fresh air connection - reliably protects against particles such as smoke, aerosols, dust, vapors or viruses
- 3 different air levels selectable - 170l/min., 210l/min. or 240l/min.
- Efficient motor technology paired with powerful batteries lets the e3000X work up to 18h straight through
- Perfectly suited for demanding welding work with the additional gas filter
- With ATEX certification for Zone 2 and 22, users are protected when flammable gases, vapors or dusts are released for short periods. (Explosion-proof)
- The positive pressure supports breathing and avoids fatigue

Applications

Welding (incl. gas filter) / grinding / metalworking / woodworking / industrial applications / plasma cutting / demolition / construction work



SUHNER

Technical data

Type	Protec-tion class	Weight	Color	Dimension	Noise level	Air flow	ID-No.	Mat.-No.
		g		mm		l/min		
e3000X	TH3	1 560	Green	222 x 213 x 92.6	70	240	915 665 00	100 007 084

Standard equipment

e3000X Blower Breathing Protector with Parking Buddy and Bag

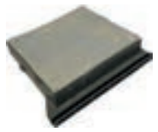
Accessories respiratory protection systems

		Type	ID-No.	Mat.-No.	
	Battery e3000X	**e3000X BAT**	915 671 00	100 007 090	1
	**clear front cover lens ClearMaxx e3000X (set of 10)**	**e3000x KS**	915 660 00	100 007 079	1
	**Faceseal ClearMaxx e3000X**	**e3000 GA**	915 661 00	100 007 080	1
	**Cotton sweatband ClearMaxx e3000X (set of 2)**	**e3000 SB**	915 662 00	100 007 081	1
	**Comfort head band ClearMaxx e3000X**	**e3000X KK**	915 663 00	100 007 082	1
	**Grinding Helmet ClearMaxx e3000X**	**e3000 H**	915 664 00	100 007 083	1
	Prefilter e3000X (set of 50)	**e3000x VF**	912 771 00	100 007 382	1
	**Master Filter e3000X**	**e3000 TH3P**	912 772 00	100 007 383	1
	**Spark protector e3000X**	**e3000X FG**	912 773 00	100 007 384	1
	**Gas filter e3000X**	**Gas filter e3000X**		100 056 558	1

Accessories swiss air

swiss air TH3P

A master filter of the very highest filter class TH3.Filters 99.8% of all pollutants from the air.
No passage for aerosols, smoke, particles or viruses.



Protection class	Weight	Color	Mat.-No.	
	Kg			
TH3	0.125	Grey	101 001 287	1

swiss air VF

The pre-filter for rough job:
filters larger particles
from the breathing air.

Weight	Color	Mat.-No.	
Kg			
0.100	White	101 001 288	1

swiss air HM

Ventilated half-mask made of flame retardant material completely covers mouth and nose area. Positive pressure supports breathing and avoids wearing fatigue.

The half mask swiss air is washable (by hand).

Color	Mat.-No.	
Black	101 001 289	1

Clearmaxx H swiss air

Suitable for the swiss air respiratory protection system.
The grinding helmet can also be used simply as head and eye protection without a respiratory protection system..

-Lightweight
-Wide visor
-Durable material
-protects the neck area

Weight	Color	Mat.-No.	
Kg			
0.850	Black	101 001 296	1

swiss air BAT

14h high performance battery for an uninterrupted working day.

Color	Mat.-No.	
Black	101 001 294	1

swiss air NAS

Replacement nose foam for half mask swiss air

Color	Mat.-No.	
Black	101 001 290	1

swiss air NB

Replacement neck strap for swiss air respiratory protection system

Color	Mat.-No.	
Black	101 001 292	1

swiss air KB

Replacement headband for swiss air respiratory protection system

Color	Mat.-No.	
Black	101 001 293	1

swiss air YS

Y-hose with adjustable neck
strap and flexible hose
elements guide the air directly into the half-mask

Weight	Color	Mat.-No.	
Kg			
0.310	Black	101 001 291	1

Accessories e3000X

e3000X H

Clearmaxx grinding helmet with fresh air connection for e3000X

-Lightweight
-Wide visor
-Durable material
-Protects the neck area

ID-No.	Mat.-No.	
915 664 00	100 007 083	1

Softhood L e3000X

The respiratory protection softhood is based on the principle of overpressure relative to the environment
and prevents contaminated air from entering the respiratory tract.
Made of ultra-lightweight nylon fabric, the headgear fits quickly and easily to all head sizes thanks to the comfortable
elastic band. This makes it very comfortable to wear even over long periods of time. Its wide panoramic
visor with anti-fog coating ensures an unrestricted view of the work at all times.
Both versions are used with the respiratory protection system e3000X

Mat.-No.	
101 001 298	1

Softhood K e3000X

The optrel respiratory protection softhood is based on the principle of overpressure relative to the environment
and prevents contaminated air from entering the respiratory tract.
Made of ultra-lightweight nylon fabric, the headgear fits quickly and easily to all head sizes thanks to the comfortable
elastic band. This makes it very comfortable to wear even over long periods of time. Its wide panoramic
visor with anti-fog coating ensures an unrestricted view of the work at all times.
Both versions are used with optrel's respiratory protection systems, depending on the application: the optrel e3000X blower respiratory protection
system or the optrel suppliedair compressed air system.

Mat.-No.	
101 001 299	1

e3000X TH3P

A master filter of the very highest filter class TH3. Filters 99.8% of all pollutants from the air.
No passage for aerosols,
smoke, particles or viruses.

ID-No.	Mat.-No.	
912 772 00	100 007 383	1

e3000X VF

The pre-filter for rough job:
filters larger particles
from the breathing air.

ID-No.	Mat.-No.	
912 771 00	100 007 382	1

e3000X FG

The spark protector protects the filter system from sparks

ID-No.	Mat.-No.	
912 773 00	100 007 384	1

e3000X BAT

18h high performance battery for
an uninterrupted working day.

ID-No.	Mat.-No.	
915 671 00	100 007 090	1

Gas filter e3000X

The A1B1E1 gas filter, compatible with the e3000X respiratory protection system.
Gases - The invisible danger

Reliable protection against harmful gases. Prevents respiratory diseases, guarantees a better working day and thus a better quality of life.

A = Certain organic gases and vapors with a boiling point > 65° (brown).
B = Certain inorganic gases and vapors (except carbon monoxide) (gray)
E = Sulfur dioxide and other acid gases (yellow)

This filter also absorbs odors generated during the work process.
It thus contributes to increasing the comfort of the blower respirator system. Headaches can be alleviated. Ozone pollution is minimized.

Protection class	Weight	Dimension	Mat.-No.	
	Kg	mm		
A1B1E1	0.500	225 x 44 x 110	100 056 558	1

Softhood FL e3000X

Protective films suitable for Softhood safety helmets

Mat.-No.	
101 001 297	1

e3000X KS

Exchangeable transparent discs for article 100007083 (grinding helmet ClearMaxx e3000)

ID-No.	Mat.-No.	
915 660 00	100 007 079	1

e3000X GA

Faceseal e3000X suitable for Item 100007083 (grinding helmet ClearMaxx e3000X)

ID-No.	Mat.-No.	
915 661 00	100 007 080	1

e3000X SB

Cotton sweatband ClearMaxx e3000 (set of 2) suitable for Item 100007083 (grinding helmet ClearMaxx e3000X)

ID-No.	Mat.-No.	
915 662 00	100 007 081	1

e3000X KK

Comfort head band ClearMaxx e3000X suitable for Item 100007083 (grinding helmet ClearMaxx e3000X)

ID-No.	Mat.-No.	
915 663 00	100 007 082	1

Protective goggles

SBE

According to DIN EN 166:2001. With wide side panels for all-round protection.

ID-No.	Mat.-No.	
908 187 00	100 010 606	1

Dust filter mask

FM

Fold-out fine dust mask with exhaling valve. Light, strong design, very comfortable to wear.
Protects against fine dust and particles. Protection level FFP2.

F = Fine (high filter effect)

Execution	ID-No.	Mat.-No.	
F	907 088 00	100 010 195	10

Notes

Notes

SUHNER®

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