













	Application area	Hardness range	Surface	Grain sizes available (FEPA P)	Abbrasive	Backing material	Cooling media	Run-in time – pre-dressing needed	Surface diameter sizes	
<b>Silicon Carbide Grinding Foil</b>										
Plane grinding		All materials	30 - 800 HV	SiC Foil	80, 120, 180, 220, 320	Adhesive bonded SiC grains	PET foil	Water	None	200 mm / 8" 250 mm / 10" 300 mm / 12" 350 mm / 14"
		All materials	30 - 400 HV	SiC Foil	2000, 4000*	Adhesive bonded SiC grains	PET foil	Water	None	200 mm / 8" 250 mm / 10" 300 mm / 12" 350 mm / 14"
Fine grinding		All materials	30 - 800 HV	SiC Foil	500, 800, 1000, 1200	Adhesive bonded SiC grains	PET foil	Water	None	200 mm / 8" 250 mm / 10" 300 mm / 12" 350 mm / 14"
		All materials	30 - 400 HV	SiC Foil	2000, 4000*	Adhesive bonded SiC grains	PET foil	Water	None	200 mm / 8" 250 mm / 10" 300 mm / 12" 350 mm / 14"
<b>Silicon Carbide Grinding Paper</b>										
Plane grinding		All materials	30 - 800 HV	SiC Paper	80, 120, 180, 220, 320	Adhesive bonded SiC grains	Plain paper	Water	None	200 mm / 8" 230 mm / 9" 250 mm / 10" 305 mm / 12"
		All materials	30 - 400 HV	SiC Paper	2000, 2400*, 4000*	Adhesive bonded SiC grains	Plain paper	Water	None	200 mm / 8" 230 mm / 9" 250 mm / 10" 305 mm / 12"
Fine grinding		All materials	30 - 800 HV	SiC Paper	500, 800, 1000, 1200	Adhesive bonded SiC grains	Plain paper	Water	None	200 mm / 8" 230 mm / 9" 250 mm / 10" 305 mm / 12"
		All materials	30 - 400 HV	SiC Paper	2000, 2400*, 4000*	Adhesive bonded SiC grains	Plain paper	Water	None	200 mm / 8" 230 mm / 9" 250 mm / 10" 305 mm / 12"



\*not a part of FEPA P



### SiC Foil adaptors

	Adaptor	Description	Surface diameter sizes
<b>MD-Disc</b>	MD-Gekko 	Adaptor for use with SiC Foils on the MD-Disc. For easy exchange of consumables	200 mm / 8" 250 mm / 10" 300 mm / 12" 350 mm / 14"
<b>Aluminum preparation disc</b>	Gekko PSA 	Self adhesive foil for use with SiC Foils. To be glued onto the Aluminum disc	200 mm / 8" 250 mm / 10" 300 mm / 12"
<b>Wet grinding disc</b> Aluminum disc with retention ring	Cannot be used		

### SiC Paper adaptors

	Adaptor	Description	Surface diameter sizes
<b>MD-Disc</b>	MD-Fuga 	Metal disc with an adhesive layer for holding SiC Paper. Ensuring magnetic fixation on MD-Disc. For easy exchange of consumables	200 mm / 8" 250 mm / 10" 300 mm / 12"
<b>Aluminum preparation disc</b>	Adhesive Disc 	Double-sided adhesive discs for easy adhesion of SiC paper onto the Aluminium disc	200 mm / 8" 230 mm / 9" 250 mm / 10" 300 mm / 12"
<b>Wet grinding disc</b> Aluminum disc with retention ring	Can be used directly		

### Grit / Grain size comparison

These are guideline values only. Grit sizes are defined as a range and not a single value.  
FEPA is the Federation of European Producers of Abrasives. ANSI is the American National Standards Institute.  
Struers grinding paper / foil follows the FEPA P standard while grinding stones and similar follow the Fepa F standard.

Grain size	200 µm	125 µm	82 µm	68 µm	46 µm	30 µm	22 µm	18 µm	15 µm	7 µm	4 µm
FEPA P (Europe)	P80	P120	P180	P220	P320	P500	P800	P1000	P1200	P2000	P4000
FEPA F (Europe)	F80	F100	F150	F180	F240	F320	F360	F400	F500	F800	F1200
ANSI/UAMA (US)*	#80	#120	#180	#220	#280	#320	#360	#400	#500	#800	#1200

\* ANSI standard B74.18