



Medical Industry Artificial Knee Joint Grinding

Medizinische Industrie Künstliches Kniegelenk-Schleifen



Advantages

- Ideal for artificial knee joint grinding applications
- High stock removal
- Well-balanced for high speed operations
- Longer dressing interval & wheel life
- Excellent grinding performance and superior surface quality

Standard dimensions for artificial knee joint grinding

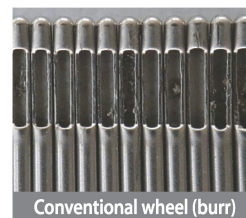
Item	Wheel size	Specification
Vitrified CBN	VB-14F1, 250D-120T-20X-16U-8R-51H	B252L150VBW
	VB-14F1, 240D-120T-20X-18U-10R-51H	B252L150VBW
Diamond rotary dresser	ROTARY-RP 98D-25T-10R-25H	
	ROTARY-IP1, 175D-2R-22T-52H	
Electroplated CBN	EB-1FF1, 200D-120T-20U-12R-51H	B427
	EB-1FF1, 200D-120T-12U-6R-51H	B252,B301
	EB-1FF1, 160.45D-16T-8R-20H B427	B427

Medical Industry Needle Grinding

Medizinische Industrie
Nadelschleifen

Advantages

- Low cost per part
- High stock removal rate
- Superior surface quality (Burr-free)
- Consistent grinding performance



Conventional wheel (burr)



EHWA ECG wheel (burr free)

Surface quality comparison

Medical Wire Grinding

Medizinische Industrie Drahtschleifen



Wire grinding wheel
For medical wire

Wire grinding wheel
For medical wire

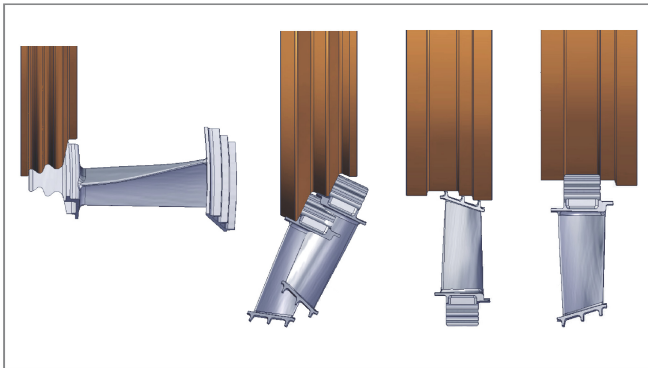


Rotary Dresser for Turbin Blades

Abrichtrollen für Turbinenschaufeln

Advantages

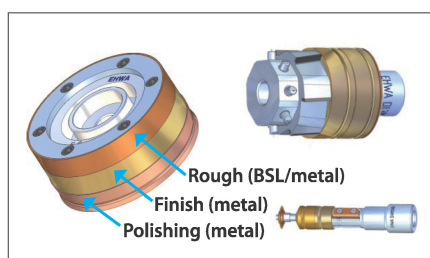
- Customized roll design based on workpiece
- Superior tool life and tool precision
- Stable dressing performance in creep feed grinding



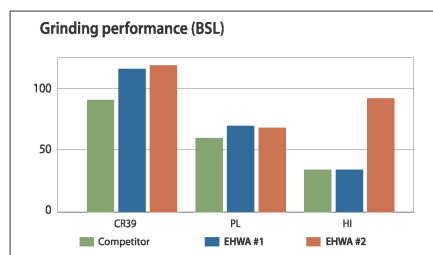
Optic Lens Grinding Wheel

Schleifscheibe für optische Linsen

- Excellent performance for a wide range of lens materials including glass, plastic, polycarbonate, Hi-index, and CR39.



Performance



Specification

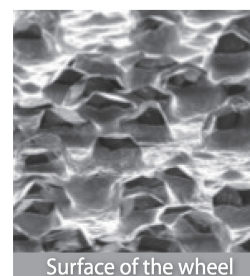
Application	Type	Grit size	Dimension
Roughing (GL)	MD-1A1	# 80	100D, 155D
Roughing (PL)	BSL	# 60	100D, 155D
Finishing	MD-1EE6Y	# 400	60D, 100D, 155D
Polishing	MD-1EE6Y	# 3000	60D, 100D, 155D
Grooving	MD-14F1	# 270	20D



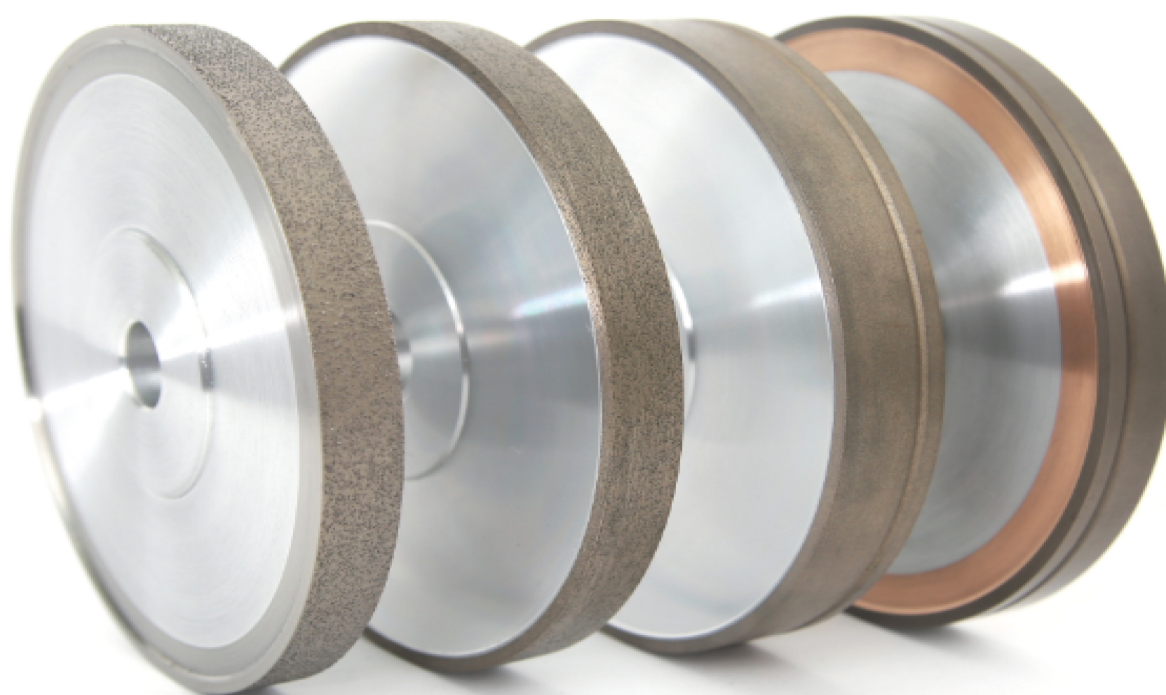
EHWA #1 : Slot type



EHWA #2 : Straight type



Surface of the wheel



Glass Edge Grinding Wheel

Glaskanten-Schleifscheibe

- Metal-bonded diamond wheels for automotive window glass: Essential for pencil edging and seaming to ensure maximum safety.



B & C Bond series used for grit size D54~D35

Bond Type	MB21	MC6	MC9	MC11
General (D54 or D46)		•	•	•
High Quality G (D35~)	•	•		
Remark	Excellent Grinding Performance	General Bond	Longer Tool Life and Good Quality	Longest Tool Life

G Bond series used for grit size D91~D76

Bond Type	MG7	MG16C	MG21N	MG72
Tempered Glass		•	•	•
Laminated Glass	•	•		
Remark	Excellent Grinding Performance		Longer Tool Life and Good Quality	Longer Tool Life and High Grinding Speed

Bond system of eagle

Scanning electron microscopy of Eagle bond

