

CDGM-35s Tungsten Carbide Roll Grinder

3-axes machine designed
for grinding of Circular
Grooves of various profiles



Tungsten Carbide Roll Grinder

Applications

Carbide manufacturers and wire rod mills use the machines for the high-precision machining of rings and rolls:

- Calibre grinding
- OD grinding
- Surface grinding of lateral surfaces
- Creep-feed, grooving and oscillation grinding

Highlights

- Minimum machining times
- High-performance SIEMENS 840 D control system
- Proven mechanical components
- Vibration-damping, grey cast iron machine frame
- Extreme resilience thanks to excellent machine rigidity
- Stable processes and high efficiency due to automatic compensation for tool wear
- Long lifetime
- Interactive programming
- Excellent maintainability



Capacity			
Grinding length, max.	mm	420	
Grinding diameter, max.	mm	450	
Center height	mm	230	
Workpiece weight, max.	kg	350	
Grinding Slide			
Grinding spindle :			
Driving power (AC)	kW	17	
Range of rotation speed	rpm	100 - 2500	
Spindle cross section (W x H)	mm	165 x 220	
Mounting taper for grinding wheel mounting flange :			
Taper	-	1 : 6	
Outside diameter of taper	mm	58	
Taper length	mm	85	
Grinding wheel diameter	External cylindrical (D/d)	mm	250 / 76
	Profile (D/d)	mm	200 / 76
X-axis (CNC infeed axis)			
Stroke, max	mm	320	
Speed	mm/min	0.02 - 4000	
Step display	mm	0.001	
Workpiece Slide			
C-axis : (CNC workpiece spindle axis)			
Driving power	kW	6.3	
Range of rotation speed	rpm	0.02 - 200	
Step display	Degree	0.001	
Spindle taper, internal	DIN 228	MK 6	
Spindle taper, external	DIN 55021	Gr. 8	
Z-axis : (CNC workpiece slide axis)			
Stroke, max	mm	440	
Speed	mm/min	0.02 - 6000	
Step display	mm	0.001	
Hydraulics			
Tank capacity approx.	l	40	
Pump delivery rate	l/min	1,4	
Installation			
Total weight, approx.	kg.	7300	
Total connected load	kVA	40	

Delapena Grinding and Industrial Abrasives

Super Abrasives:

Delapena Grinding and Industrial Abrasives supply the widest range of Diamond and CBN Wheels as per International FEPA standards. When it comes to complex grinding or tough to machine materials, Delapena is your automatic choice. Our technological superiority comes from our access to the latest technology.



Cheltenham

To learn more about any of our products and services from Delapena Grinding and Industrial Abrasives visit www.delapena.co.uk or www.delapenaonline.com

for further details or a quotation call +44 (0) 1242 516341 or email abrasivesinfo@delapena.co.uk

Delapena Grinding and Industrial Abrasives Ltd

The Runnings | Cheltenham | Gloucestershire | GL51 9NJ | UK

Tel: +44 (0)1242 516341 | Fax: +44 (0)1242 221246

abrasivesinfo@delapena.co.uk | www.delapena.co.uk



Delapena is a independently owned British company

