

Bonded Abrasives



Roll Grinding Wheels

CUMI's Roll Grinding Wheels are extensively used in steel rolling mills for grinding the rolls in their roll shop. CUMI has the complete product range to grind various types of rolls for Hot as well as Cold rolling mills. CUMI has both conventional and micro crystalline abrasives. It offers exceptional cutting action with less wheel wear.

Product Range

Selection Parameters	Work Roll		Back up Roll	
	HRM*	CRM*	HRM*	CRM*
Wheel Diameter	Upto 1100 mm	Upto 1100 mm	Upto 1100 mm	Upto 1100 mm
Wheel Thickness	Upto 150 mm	Upto 150 mm	Upto 150 mm	Upto 150 mm
Roll Material	High Chrome Iron, ICDP, HSS	Forged Steel	High Chrome Iron, ICDP, HSS	Cast Steel
Type of Grains	Green Silicon Carbide (GC), Micro Crystal (SG)	Alu. oxide (A,SA) Micro Crystal (SG)	Alu. oxide (A,DA,SA) Micro Crystal (SG)	Alu. oxide (A,SA) Micro Crystal (SG)
Popular Grits	30,36,46,60	46 to 100	30, 36	24 to 36
Type of Bond	TDR206, B14X	TDR384, B14, B14X	B14, TDR384	TDR384, B14Y
Hardness	H - M	H - M	H - L	H - L
Structure	5 to 9	5 to 9	5 to 9	5 to 9
Wheel Speed	33 to 60 MPS	33 to 60 MPS	33 to 60 MPS	33 to 60 MPS

* Hot Rolling Mills (HRM) and Cold Rolling Mills (CRM)

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Product Recommendation

Hot strip Mill

Roll Type	Grinding Wheel		CUMI's Metal Working Fluid
	Conventional	Premium	
Work Roll	GC361 TDR112MRA	3SG36 L6 B14X	Cimtech D14
Back Up Roll	3SA 36 I5 B14	3SG36 J6 B14Y	Cimtech D14

Cold Rolling Mill

Roll Type	Grinding Wheel		CUMI's Metal Working Fluid
	Conventional	Premium	
Work Roll	3SA60 J5 B14	3SG60 J6 B14X	Cimstar MB602C
Back Up Roll	3SA 36 I5 B14	3SG36 J6 B14Y	Cimstar MB602C