

# HOT ROLL GRINDING



## ***FORTIS Mill***

Offering precision, productivity, and profitability for a competitive edge.

**NEW:** Weiler Abrasives Fortis Mill Hot Roll Grinding Wheels are designed to meet the demanding requirements of grinding operations. These wheels combine innovative ceramic grain technology with advanced formulations, delivering superior durability, efficiency, and performance to ensure your grinding process operates at peak productivity.

### **Benefits of Fortis Mill**

- ▶ Reduced downtime
- ▶ Fewer wheel changeovers
- ▶ Increased grinding capacity
- ▶ Shorter cycle times
- ▶ Lower costs

up to  
**20%**  
longer wheel life  
& faster material  
removal rates  
(MRR)



*Partner with us and grind through your challenges.*

# FORTIS Mill Hot Roll Grinding Wheels

## UltraLock TECHNOLOGY

Enhanced grain retention **extends wheel life** up to 20%, reducing consumable spend and changeovers.

Ceramic grain technology **boosts material removal rates** up to 20%, improving productivity and shortening grinding cycles.

EN 12413 

On-site technical support and industry compliance keep your grinding process optimized and **your people safe.**

New wheel formulation **improves the G-ratio**, delivering faster grinding with less wear for increased efficiency.

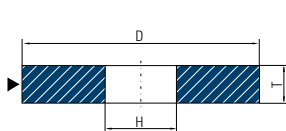
**Custom solutions** ensure optimal performance tailored to meet your specific requirements.

**Increased grinding capacity** allows you to achieve more without investing in additional equipment, maximizing ROI.

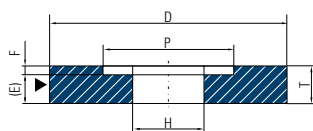
## PERFORMANCE TIERS

TIER	ATTRIBUTES	VALUE
Max Performance	High performance ceramic abrasive UltraLock technology	Maximum material removal rate (MRR) Longest wheel life Shortest cycle times
High Performance	High performance ceramic abrasive paired with engineered aluminum oxide abrasive UltraLock technology	High MRR Long wheel life
Performance	Engineered aluminum oxide abrasive paired with high performance ceramic abrasive UltraLock technology	Medium MRR Excellent cost performance

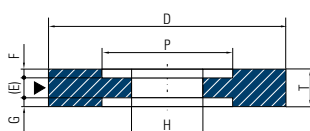
## SPECIFICATIONS



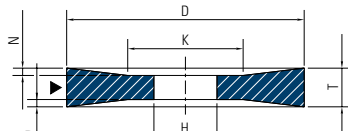
TYPE 1



TYPE 5



TYPE 7



TYPE 21

	Minimum	Maximum
D - Diameter (mm)	350	1100
H - Arbor Hole (mm)	127	508
T - Thickness (mm)	83	152
Max Operating Speed	up to 63 m/s	

Materials	
Indefinite	HardGuss
Ductile Iron	Sferic Iron
HSS	High-Cr Iron
High-Cr Steel	

	Surface Quality (Ra)
Grit # 46	0,4 - 0,8
Grit # 36	0,6 - 1,2
Grit # 30	1 - 1,5
Grit # 24	1 - 1,5

Common Equipment	
Herkules	Pomini
Waldrich	Churchill
Landis	Farrel
Schautdt	Fortuna



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