

# ROLL GRINDING



Weiler Abrasives develops custom roll grinding wheels that grind faster while lasting longer than other products in the abrasives market. We offer grinding wheels used either within the production of new rolls or their renewal. Our unique abrasive blend, combined with our advanced bond technology, boosts your total cost savings by improving the G-ratio and the material removal rate (MRR).

Using our products, you can achieve intensive cycle times when processing all roll types.

**Lower your costs and speed up production with our innovative products developed by industry-leading experts.**

***Cost-effective high-quality grinding***

## APPLICATION

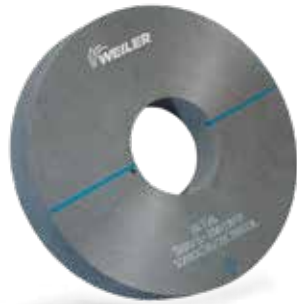
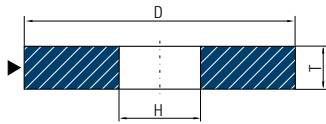
Weiler Abrasives offers solutions for various machine types with diameters ranging from 300 to 1100 mm.

We design wheels based on your application and needs.

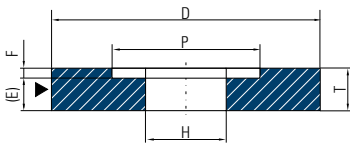
We deliver hot and cold milling wheels to enable efficiency throughout your entire range of roll types.

## AVAILABLE SHAPES

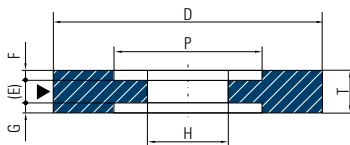
### Type 1



### Type 5 - recessed on one side



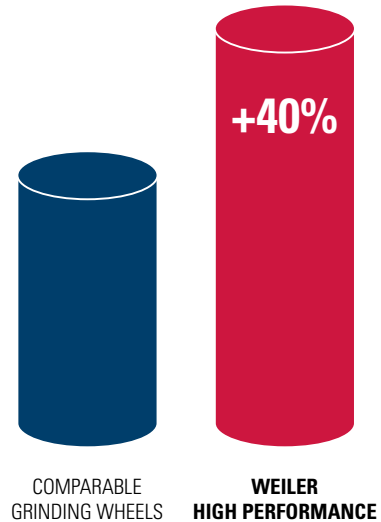
### Type 7 - recessed on both sides



## BENEFITS

- Up to 40% G-ratio increase
- Up to 30% material removal rate increase (MRR)
- Up to 20% wheel life increase
- Significant production costs reduction
- Significant productivity improvement
- Production capacities increase

### G-ratio increased (HSS rolls)



## FEATURES

- Custom-made products tailored to your needs and operation
- Produced in all standard dimensions
- Advanced self-sharpening effect
- Available in resin-bonded and vitrified versions
- Compliant with EN 12413 safety and oSa standards
- Suitable for grinding of casted and forged steel rolls

## MATERIALS

	Type of roll	Material	Surface quality (Ra)	Standard	High performance
Hot Rolling Mills	Work Roll	Indefinite	0,4 - 0,8 #46 0,6 - 1,2 #36	SC30-46J-KBK	CHC30-46 J-L BK
		High Cr Steel,Cast, HSS		82A/8A/15HA 30-46I-JBK	CHA30-46 I-K BK
		All			CHAC30-46 I-K BK
	Back-up Roll	All		CHA30-46 I-K BK	
Cold Rolling Mills	Work Roll	Forged Cr Steel, HSS	0,4 - 0,8 #46 0,3 - 0,6 #60 0,2 - 0,4 #80	82A/8A/15HA 46-100F-JBK	CHA-100F-JBK
	Back-up Roll	All		15HA-46-60F-JBK	CHA/CHC36-60H-KBK