



# DuraShell™ Chill Rolls

Backed by the proven performance of the Keystone and F.R. Gross roll brands, Xaloy® has what it takes to meet your needs for new chill rolls and reconditioning or modification of your existing units.

## Designed for your process

We conduct a thorough engineering analysis of your sheet extrusion process to ensure that our rolls meet or exceed your requirements for heat transfer, mechanical strength and consistently high performance

## Built to perform

- Uniform temperature across the roll face:  $\pm 0.5^{\circ}\text{C}$  ( $\pm 1^{\circ}\text{F}$ )
- Consistent performance under loads up to 1200 pli (2100 N/cm), higher if your process requires
- High precision: TIR of 0.0005 in. (13  $\mu\text{m}$ ) standard.
- Size: Diameter up to 48 in. (122 cm) , length up to 300 in. (762 cm)

## Built to last

- Low-carbon steel tubing, hard-surfaced, overlaid with 420 stainless steel (48 -52 Rc).
- More resistance to worm tracking than carburized and flame-hardened shells
- Lower reconditioning costs

## Finish Options, RMS Values

Flawless Super	Bright Mirror	Standard Mirror	Polish Finish	Satin Finish	Coarse Matte
>1	1-2	2-4	6-32	Variable	125-150

Specialty finishes: water retention, flash plating over matte, pocket release, 30-50% gloss, tungsten carbide coating and engraved patterns.

## In-house production assures quality

- Complete manufacturing and assembly in our own plants
- Hard chrome plating
- Vertical stress relief
- Large-diameter honing
- Dynamic balancing

## Ready to meet your needs

For more information about new rolls, reconditioning or modification of existing rolls or a quotation, contact your Xaloy representative today. To contact a representative in your vicinity, visit [xaloy.com](http://xaloy.com) on the Web.

*Heat transfer solutions you can count on*

**Eastern U.S. and Canada**  
 Pulaski, VA  
 800-773-1356  
 540-994-2269  
 fax: 540-994-2325

**Central and Western U.S.**  
 New Castle, PA  
 800-897-2830  
 724-656-5600  
 fax: 724-656-5620

**Japan**  
 Yokohama  
 (045) 661-3508  
 fax: (045) 661-3507

**Thailand**  
 Muang Chonburi  
 (66 38) 717-084  
 fax: (66 38) 454-377

[www.xaloy.com](http://www.xaloy.com)

