

# Rolling Bearings in Back-Up Rolls of Heavy-Plate Stands



Examples of Application Engineering

WL 17 525 EA



Heavy-plate stand

Courtesy: **voestalpine**  
GROBBLECH GMBH

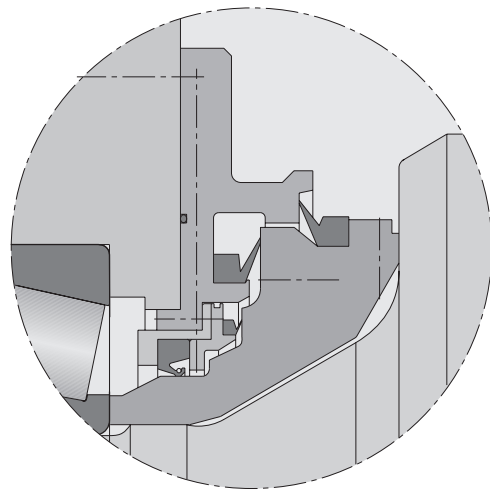
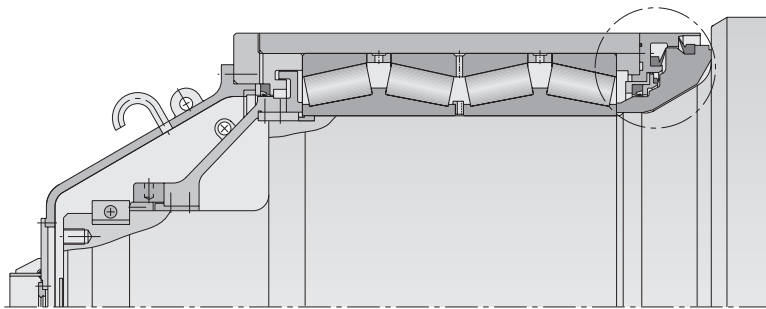
In this reversing stand slabs are rolled down to plates that are up to 4150 mm wide and 5 mm to

130 mm thick. These plates are used for steel construction, for boiler and apparatus construction, for

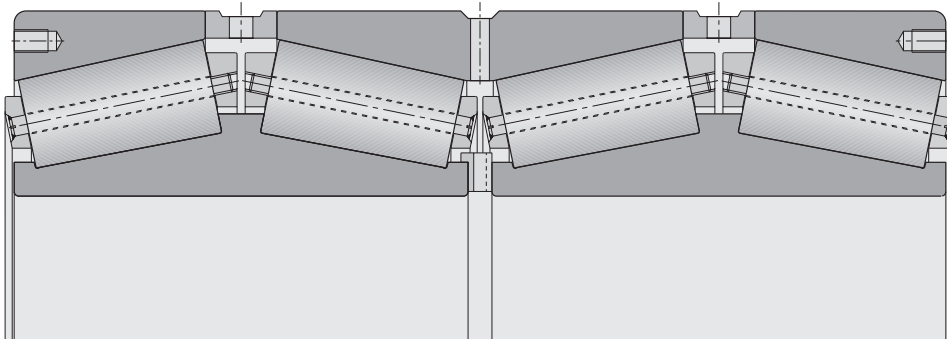
ship building as well as for the downstream production of clad plates.

## Technical data – bearing location

4,2 m four-high rolling stand/back-up rolls  
Rolling force 60 000 kN  
Back-up roll diameter 1820 mm  
Back-up roll width 4 200 mm  
Lubrication Oil-air  
Sealing, see drawing



The bearings were designed, produced, supplied and installed by FAG.  
Bearing revision is performed by F'IS (FAG Industrial Services) fitters who examine and assess the components at previously specified intervals ("preventive inspection").



## Technical data – bearing

Four-row tapered roller bearing

**Z-523207.TBR**

with the following dimensions:

Bore	d 1200,150 mm
Outer diameter	D 1593,850 mm
Width	B 990,600 mm
Mass	5 770 kg

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