

Work roll bearing arrangement of the 6-stand finishing mill CSP-Machine (Compact strip production)

FAAG

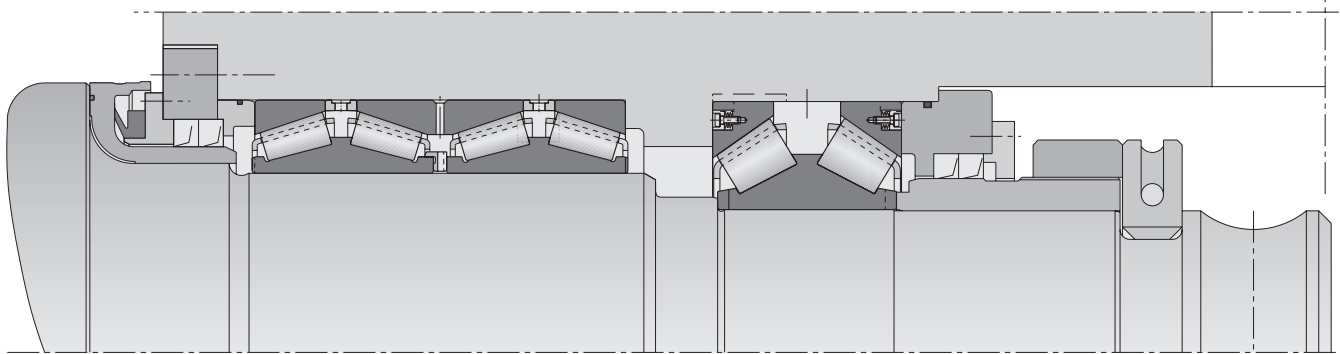
Examples of Application Engineering

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Operator end



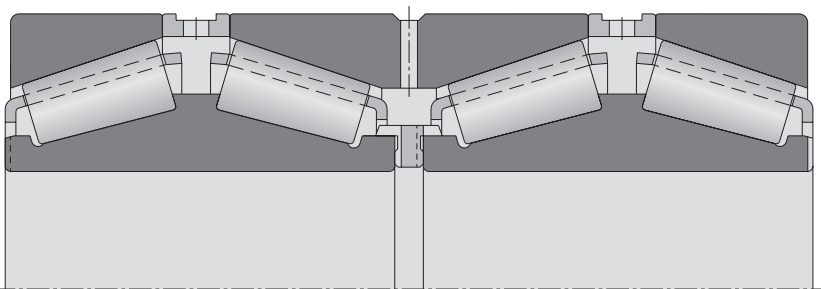
Operating data

Finishing stands	F1...F3	Roll diameter	790 mm
Finishing stands	F4...F6	Roll diameter	500 mm
Finishing stands	F1...F6	Roll body (barrel) length	1 700 mm
		Rolling speed	1,2...13,61 m/s
		Axial roll displacement	± 100 mm

Lubrication

The bearings are replenished with grease. A grease with EP-additives is used.

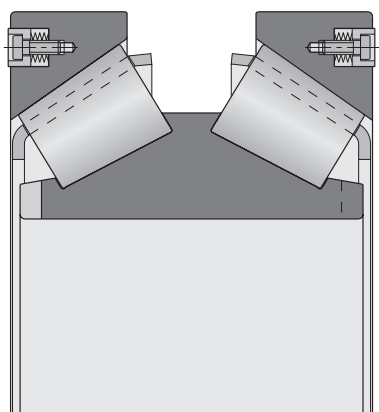
Bearing arrangement of the finishing stands F4...F6



Both ends are supported by four-row tapered roller bearings FAG Z-514225.TBR-H76 provided with a loose fit on the roll neck.

Dimensions: d = 288,925 mm
D = 406,4 mm
B = 298,45 mm

Radial bearing



The axial loads accommodated by a double-row tapered roller bearing FAG F-800942.TBR at the operator end.

Dimensions: d = 230 mm
D = 404 mm
B = 152 mm

Depending on the direction of load, only one bearing row is subject to axial loads. The other row remains unloaded.

In order to make sure that the axially unloaded roller row rotates as safely as the loaded one, the unloaded roller row is adjusted by means of springs. The required spring assemblies are integrated in the outer rings.

Thrust bearing with integrated spring assemblies

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