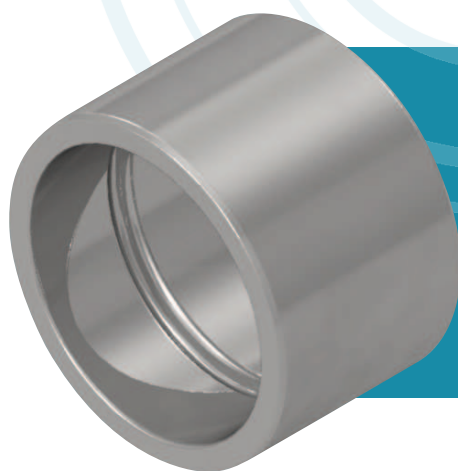
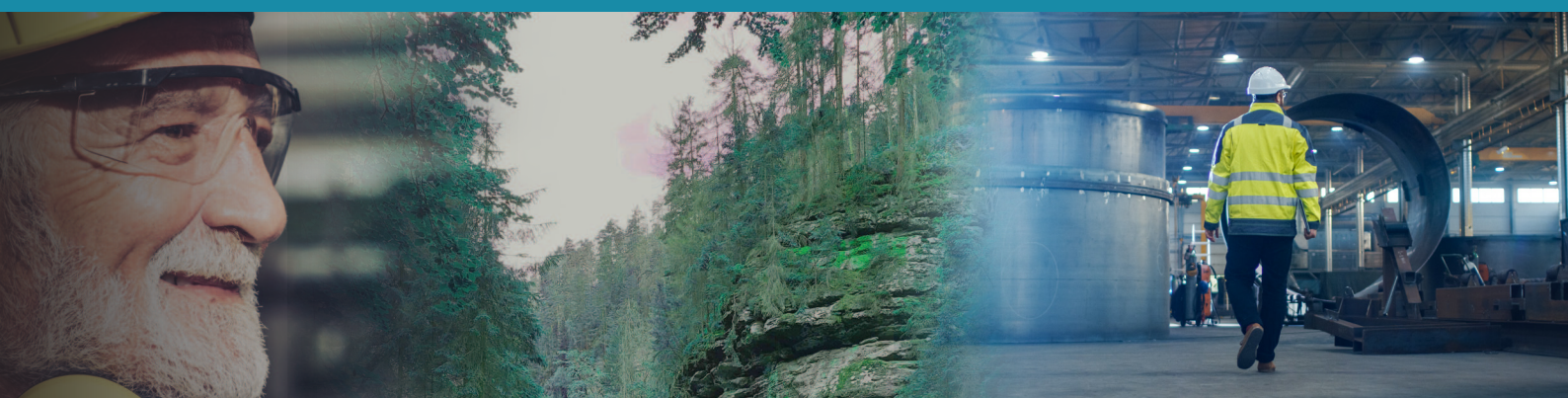


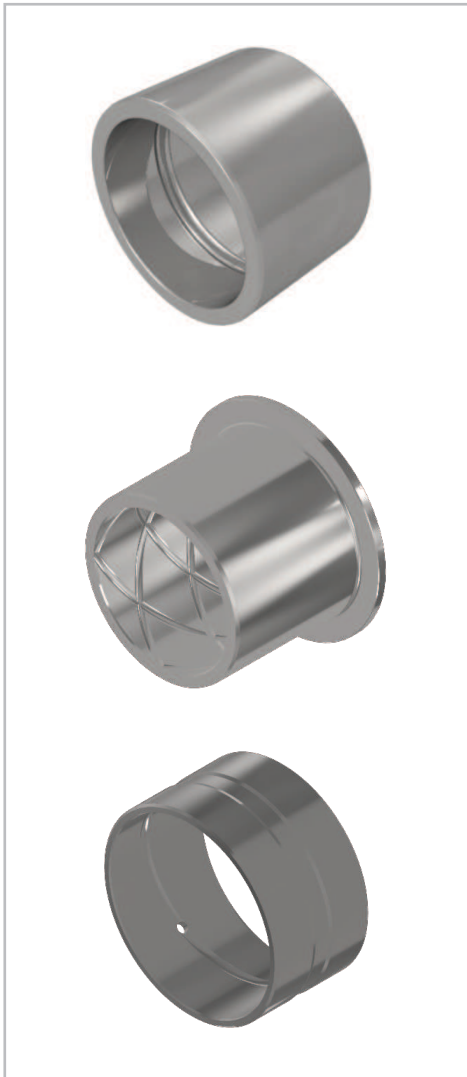


DATASHEET HOWA-STL



Hardened
Bearing Steel





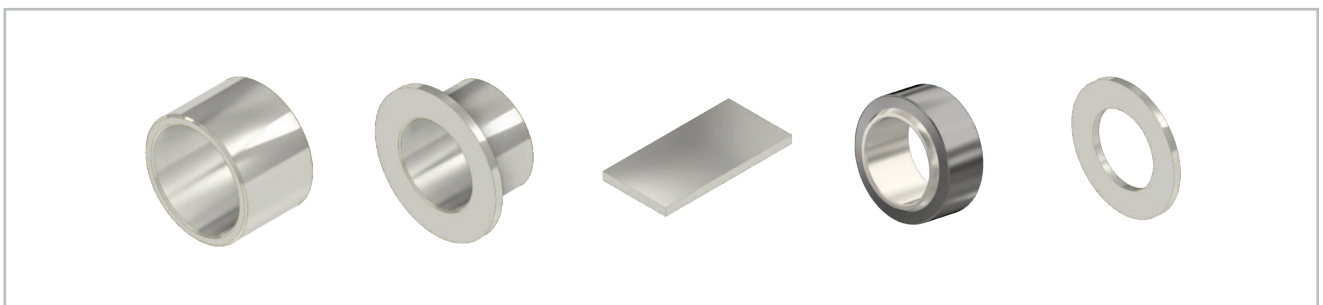
FEATURES

- High wear resistance in contaminated and heavy-duty environments
- High load carrying capacity
- Ability to accommodate shock loads and vibrations
- Performance fully dependant on grease lubrication

TYPICAL INDUSTRIES

- Mining & Construction
- Agriculture and Forestry
- Cement and Minerals Processing

AVAILABLE GEOMETRIES



BEARING PARAMETERS

Load Capacity Maximum	dynamic	150	N/mm ²
	static	400	N/mm ²
Coefficient of Friction	greased	0.15 - 0.30	
Sliding Speed Maximum	greased	0.2	m/s
PV Value		1.5	N/mm ² * m/s
Surface Hardness		58 - 62	HRC
Temperature Strain	minimum	-30	°C
	maximum	300	°C

BEARING STEEL GRADES

HOWA-STL is available in various steel grades for different application requirements:

- ▶ Alloyed Case Hardening Steel
- ▶ Medium Carbon Steel
- ▶ Alloy Steel

Please contact us to obtain our material grade recommendation for your application.

MATING COMPONENTS

Housing Bore	Tolerance	H7
Shaft	Tolerance	h7 (but others permitted due to flexibility during bearing machining)
	Hardness (min.) HRC	55
	Surface Roughness	Ra 0.8 - 1.6
	Material	42CrMo4, C45, 36CrNiMo4