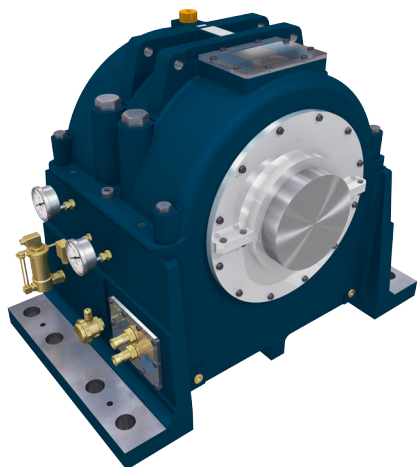


Heavy Duty (HD) Series

Heavy duty range of horizontal thrust and journal bearings

- Two frame sizes covering a shaft diameter range of 300-500mm
- Axial load capacity up to 480 kN
- Radial load capacity up to 385kN
- Radial loads are supported on a spherically seated, whitmetal lined journal bush, which is supplied in halves
- Available with water cooling or circulating oil cooling



HD Series maximum running load

	Shaft journal diameter	Journal load	Thrust load	Maximum speed			
				Water cooled			Circ oil
				Maximum thrust load. Maximum journal load.	1/2 Maximum thrust load. 1/2 Maximum journal load.	1/4 Maximum thrust load. 1/4 Maximum journal load.	Maximum thrust load. Maximum journal load.
Frame size	mm	kN	kN	r.p.m.	r.p.m.	r.p.m.	r.p.m.
HD1-T	300	190	280	1290	1440	1590	1750
	315	200	280	1260	1410	1560	1750
	335	210	280	1230	1380	1530	1750
HD2-T	355	220	280	1200	1350	1490	1750
	375	285	480	890	990	1100	1500
	400	305	480	870	970	1080	1500
	425	325	480	850	950	1060	1500
	450	345	480	820	920	1030	1500

Notes

HD1 bearings are available in journal version only with shaft diameters of 375 and 400mm. Please consult Michell Bearings for further information.

HD2 bearings are available in journal version only with shaft diameters of 475 and 500mm. Please consult Michell Bearings for further information.

Operating speeds

The maximum r.p.m. given above ensure safe and reliable bearing performance with acceptable operating temperatures and oil film thicknesses - based on an oil bath temperature of 65°C.