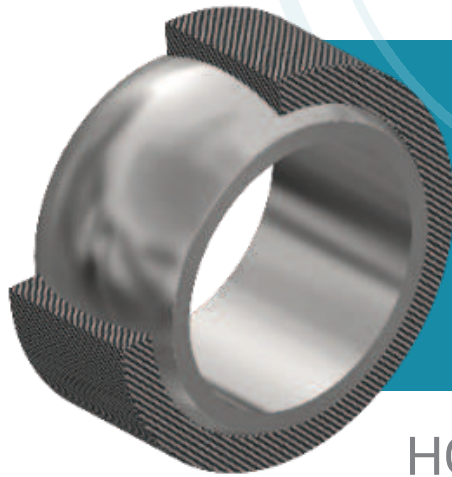
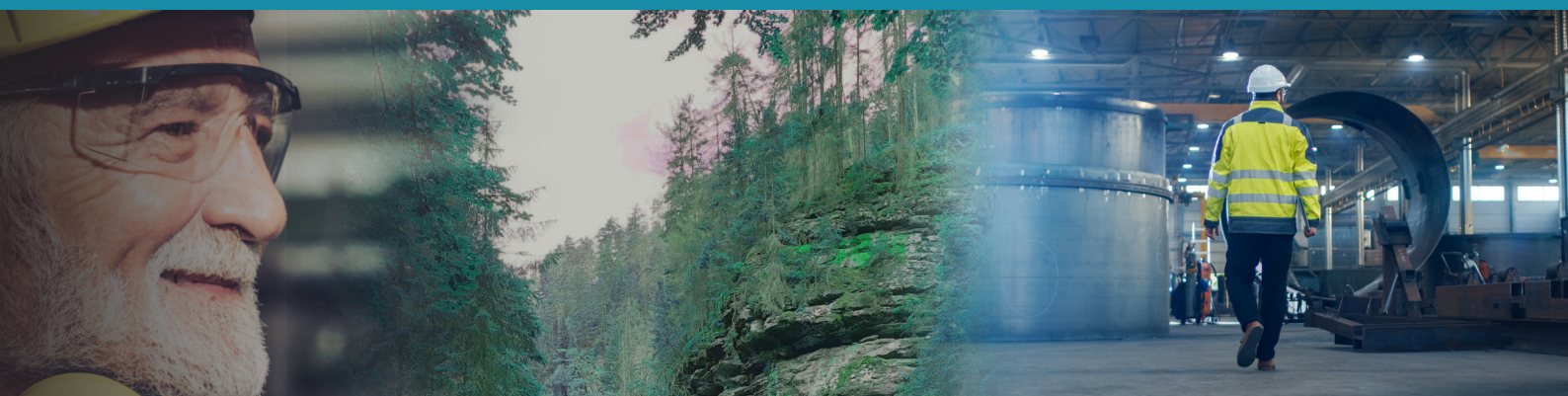




DATASHEET HOWA SPHERE-COMP



HOWA COMP Bearing
Material Paired with
Stainless Steel



SPHERICAL PLAIN BEARINGS



FEATURES

- Wear resistant and low friction bearing
- Maintenance-free but additional grease lubrication permitted
- Ideal for micromovements
- Corrosion resistant and non-seizing
- Sea-water resistant
- Nominal bearing dimensions in accordance to ISO 12240 (to replace standard "GE" bearings)
- Available with lubrication grooves and holes
- Optional with wiper seals, recommended for contaminated applications
- Stainless Steel part can be made of various grades to suit application, i.e. mild or aggressive corrosive environments
- Flexible to customise bearing design, i.e. sizes, tilt angles, increased axial load capacity, etc
- At least 50% of bearing wall as wear reservoir available (if permitted by application, i.e. load acting permanently in single direction)

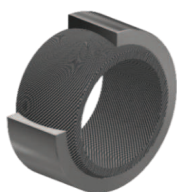


TYPICAL INDUSTRIES

- Offshore and Marine
- Hydro Turbines
- Hydromechanical Structures
- Hydraulic Cylinders
- Material Handling

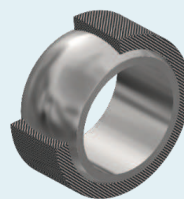
Floating Bearing

- ▶ Bearing Sliding Area on Spherical Surfaces and on Bearing Inner Diameter
- ▶ Bearing ID Permits Transfer of Linear & Rotational Movements
- ▶ Permanent Running-Clearance between Bearing and Shaft (This Benefits Shaft Installation and Extraction.)

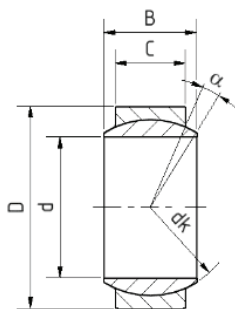


Fixed Bearing

- ▶ Bearing Sliding Area on Spherical Surfaces
- ▶ Transfer of Rotational and Tilting Movements
- ▶ Shaft Stationary with Bearing ID



HOWA SPHERE-COMP



Principle Dimensions [mm]						Load Rating			
						 Floating Bearing	 Fixed Bearing		
d	dk	D	C	B	α (°)	Cdyn (kN)	Cstat (kN)	Cdyn (kN)	Cstat (kN)
20	29	35	12	16	9	24	42	31	104
25	35.5	42	16	20	7	40	68	51	170
30	40.7	47	18	22	6	51	88	66	220
35	47	55	20	25	6	66	113	85	282
40	53	62	22	28	7	82	140	105	350
45	60	68	25	32	7	105	180	135	450
50	66	75	28	35	6	129	222	166	554
60	80	90	36	44	7	202	346	259	864
70	92	105	40	49	6	258	442	331	1104
80	105	120	45	55	6	331	567	425	1418
90	115	130	50	60	5	403	690	518	1725
100	130	150	55	70	7	501	858	644	2145
110	140	160	55	70	6	539	924	693	2310
120	160	180	70	85	6	784	1344	1008	3360
140	180	210	70	90	7	882	1512	1134	3780
160	200	230	80	105	8	1120	1920	1440	4800
180	225	260	80	105	6	1260	2160	1620	5400
200	250	290	100	130	7	1750	3000	2250	7500
220	275	320	100	135	8	1925	3300	2475	8250
240	300	340	100	140	8	2100	3600	2700	9000
260	325	370	110	150	7	2503	4290	3218	10725
280	350	400	120	155	6	2940	5040	3780	12600
300	375	430	120	165	7	3150	5400	4050	13500
320	380	440	135	160	4	3591	6156	4617	15390
340	400	460	135	160	3	3780	6480	4860	16200
360	420	480	135	160	3	3969	6804	5103	17010
380	450	520	160	190	4	5040	8640	6480	21600
400	470	540	160	190	3	5264	9024	6768	22560
420	490	560	160	190	3	5488	9408	7056	23520
440	520	600	185	218	3	6734	11544	8658	28860
460	540	620	185	218	3	6993	11988	8991	29970
480	565	650	195	230	3	7712	13221	9916	33053
500	585	670	195	230	3	7985	13689	10267	34223
530	620	710	205	243	3	8897	15252	11439	38130
560	655	750	215	258	4	9858	16899	12674	42248
600	700	800	230	272	3	11270	19320	14490	48300
630	740	850	260	300	3	13468	23088	17316	57720
670	785	900	260	308	3	14287	24492	18369	61230
710	830	950	275	325	3	15978	27390	20543	68475
750	875	1000	280	335	3	17150	29400	22050	73500
800	930	1060	300	355	3	19530	33480	25110	83700
850	985	1120	310	365	3	21375	36642	27482	91605
900	1040	1180	320	375	3	23296	39936	29952	99840
950	1100	1250	340	400	3	26180	44880	33660	112200
1000	1160	1320	370	438	3	30044	51504	38628	128760