



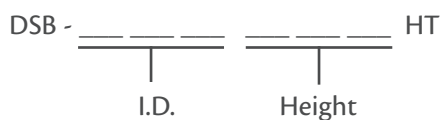
Product Description

Dry slide bearings are composed of a unique combination of materials, consisting of a carbon steel backing, an intermediate layer of sintered bronze, and self-lubricating polytetrafluoroethylene (PTFE) sliding lining. This combination offers a resilient centralization device, preventing metal on metal contact in dynamic, high load applications. Dry slide bearings also have good wear resistance, excellent heat conductivity, low thermal expansion, and a low friction over a wide range of loads, speeds, and temperatures. They are suitable for reciprocating, oscillating, rotating, and sliding movements.

Depending on your unique applications, we offer a range of dry slide bearing materials and design options to meet the performance requirements. The most common utilized designs are made from carbon steel, sintered bronze, and either a filled PTFE or loaded PTFE. Dry Slide bearings are used in a wide variety of industries, including:

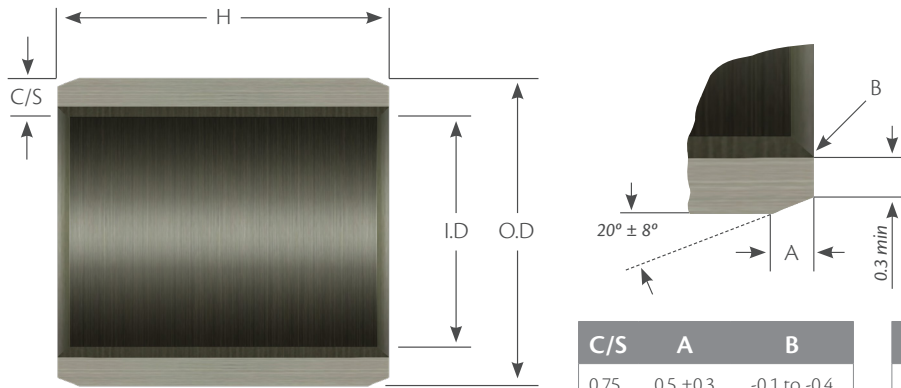
- Oil Exploration
- Agriculture
- Hydraulics & Valves
- Automotive
- Material Handling
- All Terrain Vehicles (ATVs)
- Lawn & Outdoor Equipment
- Medical & Dental

Part Numbers:



Example: DSB 32 40 HT - Dry Slide Bearing, 8mm Nominal I.D., 40mm Height.

Dry Slide Bearings



Dimensions and tolerances according to ISO 3547 and GSP Specifications

C/S	A	B
0.75	0.5 ±0.3	-0.1 to -0.4
1	0.6 ±0.4	-0.1 to -0.5
1.5	0.6 ±0.04	-0.1 to -0.7

C/S	A	B
2	1.2 ±0.4	-0.1 to -0.7
2.5	1.6 ±0.8	-0.2 to -1.0

Part Number	Nominal Dimensions		C/S		Height		Groove Dimensions				Actual ID	
	ID	OD	Min.	Max.	Shaft		Housing		Min.	Max.	Min.	Max.
					Min.	Max.	Min.	Max.				
0203HT	2	3.5	0.725	0.745	2.75	3.25	1.994	2.000	3.500	3.508	2.010	2.058
0205HT					4.75	5.25						
0303HT	3	4.5	0.730	0.750	2.75	3.25	2.994	3.000	4.500	4.508	3.000	3.048
0305HT					4.75	5.25						
0306HT					5.75	6.25						
0403HT	4	5.5	0.730	0.750	2.75	3.25	3.992	4.000	5.500	5.508	4.000	4.048
0404HT					3.75	4.25						
0406HT					5.75	6.25						
0410HT					9.75	10.25						
0505HT	5	7	0.980	1.005	4.75	5.25	4.978	4.990	7.000	7.015	4.990	5.055
0508HT					7.75	8.25						
0510HT					9.75	10.25						
0604HT	6	8	0.980	1.005	3.75	4.25	5.978	5.990	8.000	8.015	5.990	6.055
0606HT					5.75	6.25						
0608HT					7.75	8.25						
0610HT					9.75	10.25						
0710HT	7	9	0.980	1.005	9.75	10.25	6.972	6.987	9.000	9.015	6.990	7.055
0806HT	8	10			5.75	6.25	7.972	7.987	10.000	10.015	7.990	8.055
0808HT			7.75	8.25								
0810HT			9.75	10.25								
0812HT			11.75	12.25								
1008HT	10	12	0.980	1.005	7.75	8.25	9.972	9.987	12.000	12.018	9.990	10.058
1010HT					9.75	10.25						
1012HT					11.75	12.25						
1015HT					14.75	15.25						
1020HT					19.75	20.25						

Dry Slide Bearings

METRIC SEALS

Dry Slide Bearings

Part Number	Nominal Dimensions		C/S		Height		Groove Dimensions				Actual ID					
	ID	OD	Min.	Max.	Min.	Max.	Shaft		Housing		Min.	Max.				
							Min.	Max.	Min.	Max.						
1208HT	12	14	0.980	1.005	7.75	8.25	11.966	11.984	14.000	14.018	11.990	12.058				
1210HT					9.75	10.25										
1212HT					11.75	12.25										
1215HT					14.75	15.25										
1220HT					19.75	20.25										
1225HT					24.75	25.25										
1310HT	13	15			0.980	1.005	9.75	10.25	12.966	12.984	15.000	15.018	12.990	13.058		
1320HT							19.75	20.25								
1405HT	14	16					0.980	1.005	4.75	5.25	13.966	13.984	16.000	16.018	13.990	14.058
1410HT									9.75	10.25						
1412HT									11.75	12.25						
1415HT									14.75	15.25						
1420HT			19.75	20.25												
1425HT			24.75	25.25												
1510HT	15	17	0.980	1.005					9.75	10.25	14.966	14.984	17.000	17.018	14.990	15.058
1512HT									11.75	12.25						
1515HT									14.75	15.25						
1520HT									19.75	20.25						
1525HT	24.75	25.25			0.980	1.005			15.966	15.984	18.000	18.018	15.990	16.058		
1610HT	9.75	10.25														
1612HT	11.75	12.25														
1615HT	14.75	15.25														
1620HT	19.75	20.25														
1625HT	24.75	25.25														
1720HT	17	19					0.980	1.005	19.75	20.25	16.966	16.984	19.000	19.021	16.990	17.061
1810HT	18	20							0.980	1.005	9.75	10.25	17.966	17.984	20.000	20.021
1815HT			14.75	15.25												
1820HT			19.75	20.25												
1825HT			24.75	25.25												
2010HT	20	23	1.475	1.505					9.75	10.25	19.959	19.980	23.000	23.021	19.990	20.071
2015HT					14.75	15.25										
2020HT					19.75	20.25										
2025HT					24.75	25.25										
2030HT					29.75	30.25										
2215HT	22	25			1.475	1.505			14.75	15.25	21.959	21.980	25.000	25.021	21.990	22.071
2220HT									19.75	20.25						
2225HT							24.75	25.25								
2230HT							29.75	30.25								

Dry Slide Bearings

Dry Slide Bearings

Part Number	Nominal Dimensions		C/S		Height		Groove Dimensions				Actual ID	
	ID	OD	Min.	Max.	Min.	Max.	Shaft		Housing		Min.	Max
							Min.	Max.	Min.	Max.		
2415HT	24	27	1.475	1.505	14.75	15.25	23.959	23.980	27.000	27.021	23.990	24.071
2420HT					19.75	20.25						
2425HT					24.75	25.25						
2430HT					29.75	30.25						
2515HT	25	28	1.475	1.505	14.75	15.25	24.959	24.980	28.000	28.021	24.990	25.071
2520HT					19.75	20.25						
2525HT					24.75	25.25						
2530HT					29.75	30.25						
2550HT					49.75	50.25						
2815HT	28	32	1.970	2.005	14.75	15.25	27.959	27.980	32.000	32.025	27.990	28.085
2820HT					19.75	20.25						
2825HT					24.75	25.25						
2830HT					29.75	30.25						
3010HT	30	34	1.970	2.005	9.75	10.25	29.959	29.980	34.000	34.025	29.990	30.085
3015HT					14.75	15.25						
3020HT					19.75	20.25						
3025HT					24.75	25.25						
3030HT					29.75	30.25						
3040HT					39.75	40.25						
3220HT	32	36	1.970	2.005	19.75	20.25	31.950	31.975	36.000	36.025	31.990	32.085
3230HT					29.75	30.25						
3240HT					39.75	40.25						
3520HT	35	39	1.970	2.005	19.75	20.25	34.950	34.975	39.000	39.025	34.990	35.085
3530HT					29.75	30.25						
3535HT					34.75	35.25						
3540HT					39.75	40.25						
3550HT					49.75	50.25						
3720HT	37	41			19.75	20.25	36.950	36.975	41.000	41.025	36.990	37.085
4020HT	40	44	1.970	2.005	19.75	20.25	39.950	39.975	44.000	44.025	39.990	40.085
4030HT					29.75	30.25						
4040HT					39.75	40.25						
4050HT					49.75	50.25						
4520HT	45	50	2.460	2.505	19.75	20.25	44.950	44.975	50.000	50.025	44.990	45.105
4530HT					29.75	30.25						
4540HT					39.75	40.25						
4545HT					44.75	45.25						
4550HT					49.75	50.25						
5020HT	50	55			19.75	20.25	49.950	49.975	55.000	55.030	49.990	50.110

Dry Slide Bearings

METRIC SEALS

Dry Slide Bearings

Part Number	Nominal Dimensions		C/S		Height		Groove Dimensions				Actual ID	
	ID	OD	Min.	Max.	Min.	Max.	Shaft		Housing		Min.	Max.
							Min.	Max.	Min.	Max.		
5030HT	50	55	2.460	2.505	29.75	30.25	49.950	49.975	55.000	55.030	49.990	50.110
5040HT					39.75	40.25						
5050HT					49.75	50.25						
5060HT					59.75	60.25						
5520HT	55	60	2.460	2.505	19.75	20.25	54.940	54.970	60.000	60.030	54.990	55.110
5525HT					24.75	25.25						
5530HT					29.75	30.25						
5540HT					39.75	40.25						
5550HT					49.75	50.25						
5555HT					54.75	55.25						
5560HT					59.75	60.25						
6020HT	60	65	2.460	2.505	19.75	20.25	59.940	59.970	65.000	65.030	59.990	60.110
6030HT					29.75	30.25						
6040HT					39.75	40.25						
6050HT					49.75	50.25						
6060HT					59.75	60.25						
6070HT	69.75	70.25										
6530HT	65	70	2.460	2.505	29.75	30.25	64.940	64.970	70.000	70.030	64.990	65.110
6550HT					49.75	50.25						
6570HT					69.75	70.25						
7040HT	70	75	2.460	2.505	39.75	40.25	69.940	69.970	75.000	75.030	69.990	70.110
7050HT					49.75	50.25						
7070HT					69.75	70.25						
7560HT	75	80	2.460	2.505	59.75	60.25	74.940	74.970	80.000	80.030	74.990	75.110
7580HT					79.75	80.25						
8060HT	80	85	2.440	2.490	59.50	60.50	79.954	80.000	85.000	85.035	80.020	80.155
80100HT					99.50	100.50						
8530HT	85	90	2.440	2.490	29.50	30.50	84.946	85.000	90.000	90.035	85.020	85.155
8560HT					59.50	60.50						
85100HT					99.50	100.50						
9060HT	90	95	2.440	2.490	59.50	60.50	89.946	90.000	95.000	95.035	90.020	90.155
90100HT					99.50	100.50						
9560HT	95	100	2.440	2.490	59.50	60.50	94.946	95.000	100.000	100.035	95.020	95.155
95100HT					99.50	100.50						
10050HT	100	105	2.440	2.490	49.50	50.50	99.946	100.000	105.000	105.035	100.020	100.155
10060HT					59.50	60.50						
100115HT					114.50	115.50						
10560HT					59.50	60.50						

Dry Slide Bearings

Part Number	Nominal Dimensions		Groove Dimensions				Actual ID					
			C/S		Height				Shaft		Housing	
	ID	OD	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
105115HT	105	110	2.440	2.490	114.50	115.50	104.946	105.000	110.000	110.035	105.020	105.155
11060HT	110	115			59.50	60.50	109.946	110.000	115.000	115.035	110.020	110.155
110115HT					114.50	115.50						
11550HT	115	120			49.50	50.50	114.946	115.000	120.000	120.035	115.020	115.155
11570HT					69.50	70.50						
12050HT	120	125	2.415	2.465	49.50	50.50	119.946	120.000	125.000	125.040	120.070	120.210
12060HT					59.50	60.50						
120100HT					99.50	100.50						
125100HT	125	130			124.937	125.000	130.000	130.040	125.070	125.210		
13060HT	130	135			59.50	60.50	129.937	130.000	135.000	135.040	130.070	130.210
130100HT					99.50	100.50						
13560HT	135	140	59.50	60.50	134.937	135.000	140.000	140.040	135.070	135.210		
13580HT			79.50	80.50								
14060HT	140	145	59.50	60.50	139.937	140.000	145.000	145.040	140.070	140.210		
140100HT			99.50	100.50								
15060HT	150	155	59.50	60.50	149.937	150.000	155.000	155.040	150.070	150.210		
15080HT			79.50	80.50								
150100HT			99.50	100.50								
16080HT			79.50	80.50								
160100HT	160	165	2.415	2.465	99.50	100.50	159.937	160.000	165.000	165.040	160.070	160.210
180100HT	180	185					179.937	180.000	185.000	185.046	180.070	180.216
200100HT	200	205					199.928	200.000	205.000	205.046	200.070	200.216
210100HT	210	215					209.928	210.000	215.000	215.046	210.070	210.216
220100HT	220	225					219.928	220.000	225.000	225.046	220.070	220.216
250100HT	250	255					249.928	250.000	255.000	255.052	250.070	250.222
300100HT	300	305					299.919	300.000	305.000	305.052	300.070	300.222