

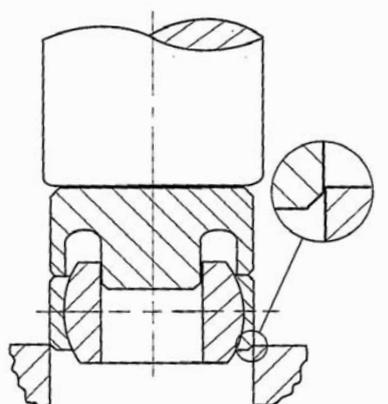
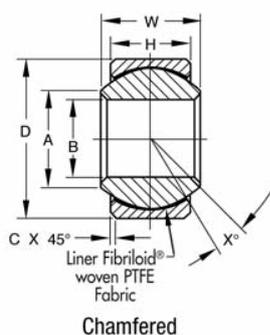


The outer ring is swaged over the ball to provide maximum race to ball conformity. The inner ring, ball is a fully hardened ball which provides strength when clamped in the application. Aerospace-grade materials are used in our swaged bearings. The race is CRES 17-4PH, AMS5643, HRC 28 min, and the balls are CRES 440C, AMS5630, HRC 55min. The liner is Fibriloid® qualified to AS81820. Swaged bearings are constructed and equipped with a self-lubricating liner system to reduce friction. These bearings provide misalignment and high load carrying capacity. Features include high temperature-low wear -65°F to +325° (-53.9°C +162.8°C)

SELF-LUBRICATED SPHERICAL BEARINGS, NARROW

Dimensions — Tolerances								Load Ratings				
MS14104 Chamfered Part Numbers	B +.0000, -.0005 in.	D +.0000, -.0005 in.	H ±.005 in.	W +.000, -.002 in.	A Min. in.	C ⁽¹⁾ +.010, -.000 in.	X° Ref.	Oscillating Radial Load Rating ⁽²⁾ lbf.	Radial Limit Load Rating* lbf.	Axial Limit Load Rating* lbf.	No Load Rotational Breakaway Torque in.-lbs.	Weight Max. Ref. lbs.
0382303	.1900	.6250	.218	.281	.293	.010	10	1,500	3,975	150	.25-5	.02
0382304	.2500	.6562	.250	.343	.364	.010	10	3,320	6,040	430	.25-5	.02
0382305	.3125	.7500	.281	.375	.419	.010	10	5,460	8,750	700	.25-8	.03
0382306	.3750	.8125	.312	.406	.475	.020	9	6,600	10,540	1100	.25-8	.04
0382307	.4375	.9062	.343	.437	.530	.020	8	8,050	13,200	1400	.25-8	.05
0382308	.5000	1.0000	.390	.500	.600	.020	8	10,400	17,900	2100	.25-8	.07
0382309	.5625	1.0937	.437	.562	.670	.020	8	13,000	23,200	3680	.25-8	.09
0382310	.6250	1.1875	.500	.625	.739	.020	8	16,450	30,500	4720	.25-8	.12
0382312	.7500	1.4375	.593	.750	.920	.030	8	23,600	46,400	6750	.25-8	.21
0382314	.8750	1.5625	.703	.875	.980	.030	8	32,050	62,200	9350	.25-12	.27
0382316	1.0000	1.7500	.797	1.000	1.118	.030	9	38,000	82,200	12160	.25-12	.39

⁽¹⁾Load rating based on AS81820. -3 and -4 sizes are limited by pin bending.



Spherical bearing assembly tool

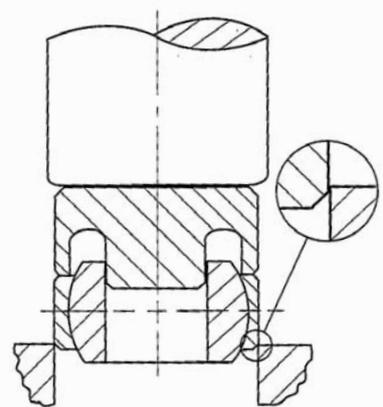
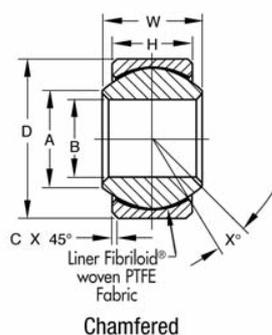


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SELF-LUBRICATED SPHERICAL BEARINGS, WIDE

Dimensions — Tolerances								Load Ratings				
MS14102 Chamfered Part Numbers	B +.0000, -.0005 in.	D +.0000, -.0005 in.	H ±.005 in.	W +.000, -.002 in.	A Min. in.	C ⁽¹⁾ +.010, -.000 in.	X° Ref.	Oscillating Radial Load Rating* lbf.	Radial Limit Load Rating* lbf.	Axial Limit Load Rating* lbf.	No Load Rotational Breakaway Torque (Standard) in.-lbs.	Weight Max. Ref. lbs.
0382403	.1900	.6250	.327	.437	.300	.010	15	4,900	2,500	1,770	.25-5	.03
0382404	.2500	.6250	.327	.437	.300	.010	15	4,900	5,500	1,770	.25-5	.03
0382405	.3125	.6875	.317	.437	.360	.010	14	6,050	9,400	1,640	.25-8	.04
0382406	.3750	.8125	.406	.500	.466	.020	8	8,310	13,700	2,630	.25-8	.06
0382407	.4375	.9375	.442	.562	.537	.020	10	11,750	20,700	3,650	.25-8	.08
0382408	.5000	1.0000	.505	.625	.607	.020	9	14,950	21,400	4,970	.25-8	.10
0382409	.5625	1.1250	.536	.687	.721	.020	10	18,100	26,600	5,370	.25-8	.14
0382410	.6250	1.1875	.567	.750	.747	.020	12	20,250	29,000	6,130	.25-8	.16
0382412	.7500	1.3750	.630	.875	.845	.030	13	26,200	37,000	7,730	.25-8	.24
0382414	.8750	1.6250	.755	.875	.995	.030	6	33,600	65,200	10,800	.25-12	.35
0382416	1.0000	2.1250	1.005	1.375	1.269	.030	12	56,250	104,000	19,300	.25-12	.97

*Load rating based on AS81820. -3 and -4 sizes are limited by pin bending.



Spherical bearing assembly tool