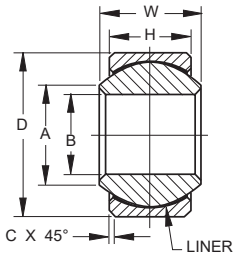
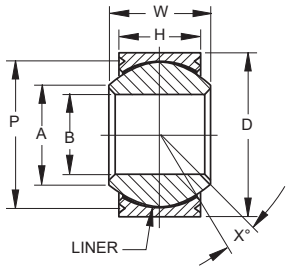
CRYOGENIC RATED SELF-LUBRICATED SPHERICAL BEARING, NARROW

- Narrow series, self-lubricated
- Low temperature — low wear
  -320°F to +450°F (-195.6°C to +232.2°C)
- Material
  Outer ring: Inconel 718, HRC 37 min.
  Inner ring: Inconel 718, HRC 37 min.
  Liner: Fibriloid CR® meets requirements of AS81820 Type A



Chamfered



Grooved

SPECIFICATIONS AND ORDERING INFORMATION

DIMENSIONS — TOLERANCES

03-881 Chamfered 03-885 Grooved Dash No.	B +.0000, -.0005 +.000, -.013		D +.0000, -.0005 +.000, -.013		H ±.005 ±.13		W +.000, -.002 +.00, -.05		A Min.		C(1) +.010, -.000 +.25, -.00		P(2) Groove Pitch Diameter +.000 in., -.008 in. +.00 mm, -.20mm		X° Ref.
Chamfered/Grooved Part Numbers	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
-03	.1900	4.826	.5625	14.288	.218	5.54	.281	7.14	.293	7.44	.010	.25	.500	12.70	10
-04	.2500	6.350	.6562	16.667	.250	6.35	.343	8.71	.364	9.25	.010	.25	.594	15.09	10
-05	.3125	7.938	.7500	19.050	.281	7.14	.375	9.52	.419	10.64	.010	.25	.650	16.76	10
-05A	.3125	7.938	.7500	19.050	.281	7.14	.375	9.52	.419	10.64	.010	.25	.660	16.76	10
-06	.3750	9.525	.8125	20.638	.312	7.92	.406	10.31	.475	12.06	.020	.51	.712	18.08	9
-07	.4375	11.112	.9062	23.017	.343	8.71	.437	11.10	.530	13.46	.020	.51	.806	20.47	8
-08	.5000	12.700	1.0000	25.400	.390	9.91	.500	12.70	.600	15.24	.020	.51	.876	22.25	8
-09	.5625	14.288	1.0937	27.780	.437	11.10	.562	14.27	.670	17.02	.020	.51	.970	24.64	8
-10	.6250	15.875	1.1875	30.162	.500	12.70	.625	15.88	.739	18.77	.020	.51	1.063	27.00	8
-12	.7500	19.050	1.4375	36.512	.593	15.06	.750	19.05	.920	23.37	.030	.76	1.313	33.35	8
-14	.8750	22.225	1.5625	39.688	.703	17.86	.875	22.22	.980	24.89	.030	.76	1.438	36.53	8
-16	1.0000	25.400	1.7500	44.450	.797	20.24	1.000	25.40	1.118	28.40	.030	.76	1.626	41.30	9

(1)Chamfered Type only. (2)Grooved Type only.

LOAD RATINGS

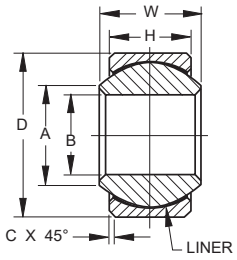
03-881 Chamfered 03-885 Grooved Dash No.	Oscillating Radial Load Rating(3)		Radial Limit Load Rating(3)		Axial Limit Load Rating(3)		No Load Rotational Breakaway Torque Standard		No Load Rotational Breakaway Torque "K" Type		Weight Approx. Ref.	
Chamfered/Grooved Part Numbers	lbf.	N	lbf.	N	lbf.	N	in.-lbs.	N-m	in.-lbs.	N-m	lbs.	kg
-03	1500	6700	3975	17600	150	670	.25-5	.03-.56	0-0.5	0-.06	.021	.010
-04	3320	14600	6040	27000	430	1900	.25-5	.03-.56	0-0.5	0-.06	.021	.010
-05	5460	24500	8750	39000	700	3100	.25-8	.03-.90	0-1	0-.11	.032	.015
-05A	5460	24500	8750	39000	700	3100	.25-8	.03-.90	0-1	0-.11	.032	.015
-06	6600	29000	10540	46500	1100	4900	.25-8	.03-.90	0-1	0-.11	.043	.019
-07	8050	36000	13200	58500	1400	6200	.25-8	.03-.90	0-1	0-.11	.053	.024
-08	10400	46500	17900	80000	2100	9300	.25-8	.03-.90	0-1	0-.11	.075	.034
-09	13000	58500	23200	104000	3680	16300	.25-8	.03-.90	0-1	0-.11	.096	.044
-10	16450	73500	30500	137000	4720	20800	.25-8	.03-.90	0-1	0-.11	.128	.058
-12	23600	104000	46400	208000	6750	30000	.25-8	.03-.90	0-1	0-.11	.224	.102
-14	30250	134000	62200	275000	9350	41500	.25-12	.03-1.4	0-2	0-.23	.288	.131
-16	38000	170000	82200	365000	12160	54000	.25-12	.03-1.4	0-2	0-.23	.416	.189

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

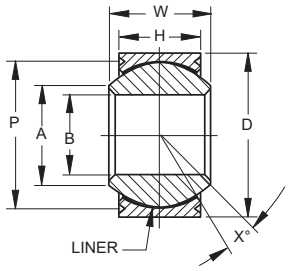
Bearing configuration	Part number designations for a 0.2500 in. bore, grooved spherical bearing
Base P/N (no options)	03-885-04
Low breakaway torque	03-885-04K
1st oversize O.D. (0.010 in.)	03-885-04T
2nd oversize O.D. (0.020 in.)	03-885-04U
PH13-8MO ball material	03-885-04C

CRYOGENIC RATED SELF-LUBRICATED SPHERICAL BEARING, WIDE

- Wide series, self-lubricated
- Low temperature — low wear
  -320°F to +450°F (-195.6°C to +232.2°C)
- Material
  Outer ring: Inconel 718, HRC 37 min.
  Inner ring: Inconel 718, HRC 37 min.
  Liner: Fibriloid CR® meets requirements of AS81820 Type A



Chamfered



Grooved

SPECIFICATIONS AND ORDERING INFORMATION

DIMENSIONS — TOLERANCES

03-882 Chamfered 03-884 Grooved Dash No.	B +.0000, -.0005 +.000, -.013		D +.0000, -.0005 +.000, -.013		H ±.005 ±.13		W +.000, -.002 +.00, -.05		A Min.		C(1) +.010, -.000 +.25, -.00		P(2) Groove Pitch Diameter +.000 in., -.008 in. +.00 mm, -.20mm		X° Ref.
Chamfered/Grooved Part Numbers	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
-03	.1900	4.826	.6250	15.875	.327	8.31	.437	11.10	.300	7.62	.010	0.25	.563	14.30	15
-04	.2500	6.350	.6250	15.875	.327	8.31	.437	11.10	.300	7.62	.010	0.25	.563	14.30	15
-05	.3125	7.938	.6875	17.462	.317	8.05	.437	11.10	.360	9.14	.010	0.25	.625	15.88	14
-06	.3750	9.525	.8125	20.638	.406	10.31	.500	12.70	.466	11.84	.020	0.51	.712	18.08	8
-07A	.4375	11.112	.9062	23.017	.442	11.23	.562	14.27	.537	13.64	.020	0.51	.806	20.47	10
-07	.4375	11.112	.9375	23.812	.442	11.23	.562	14.27	.537	13.64	.020	0.51	.837	21.26	10
-08	.5000	12.700	1.0000	25.400	.505	12.83	.625	15.88	.607	15.42	.020	0.51	.900	22.86	9
-09	.5625	14.288	1.1250	28.575	.536	13.61	.687	17.45	.721	18.31	.020	0.51	1.025	26.04	10
-10	.6250	15.875	1.1875	30.162	.567	14.40	.750	19.05	.747	18.97	.020	0.51	1.087	27.61	12
-12	.7500	19.050	1.3750	34.925	.630	16.00	.875	22.22	.845	21.46	.030	0.76	1.251	31.78	13
-14	.8750	22.225	1.6250	41.275	.755	19.18	.875	22.22	.995	25.27	.030	0.76	1.501	38.13	6
-16	1.0000	25.400	2.1250	53.975	1.005	25.53	1.375	34.92	1.269	32.23	.030	0.76	2.001	50.83	12

(1)Chamfered Type only. (2)Grooved Type only.

LOAD RATINGS

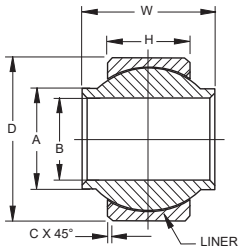
03-882 Chamfered 03-884 Grooved Dash No.	Oscillating Radial Load Rating(3)		Radial Limit Load Rating(3)		Axial Limit Load Rating(3)		No Load Rotational Breakaway Torque Standard		"K" Type		Weight Approx. Ref.	
Chamfered/Grooved Part Numbers	lbf.	N	lbf.	N	lbf.	N	in.-lbs.	N-m	in.-lbs.	N-m	lbs.	kg
-03	4900	21600	2500	11100	1770	7800	.25-5	.03-.56	0.05	0-.06	.033	.015
-04	4900	21600	5500	24400	1770	7800	.25-5	.03-.56	0.05	0-.06	.033	.015
-05	6050	27000	9400	41800	1640	7350	.25-8	.03-.90	0.10	0-.11	.037	.017
-06	8310	36500	13700	60900	2630	11600	.25-8	.03-.90	0.10	0-.11	.064	.029
-07A	11750	52000	19700	87600	3650	16300	.25-8	.03-.90	0.10	0-.11	.085	.039
-07	11750	52000	20700	92000	3650	16300	.25-8	.03-.90	0.10	0-.11	.085	.039
-08	14950	65500	21400	95000	4970	22000	.25-8	.03-.90	0.10	0-.11	.107	.048
-09	18100	80000	26600	118000	5370	24000	.25-8	.03-.90	0.10	0-.11	.144	.065
-10	20250	90000	29000	128500	6130	27500	.25-8	.03-.90	0.10	0-.11	.171	.077
-12	26200	116000	37000	164500	7730	34500	.25-8	.03-.90	0.10	0-.11	.256	.116
-14	33600	150000	65200	290000	10800	48000	.25-12	.03-1.4	0.20	0-.23	.373	.169
-16	56250	250000	104000	462500	19300	86500	.25-12	.03-1.4	0.20	0-.23	1.035	.469

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

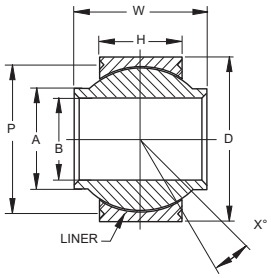
Bearing configuration	Part number designations for a 0.2500 in. bore, grooved spherical bearing
Base P/N (no options)	03-884-04
Low breakaway torque	03-884-04K
1st oversize O.D. (0.010 in.)	03-884-04T
2nd oversize O.D. (0.020 in.)	03-884-04U
PH13-8MO ball material	03-884-04C

HIGH MISALIGNMENT SELF-LUBRICATED SPHERICAL BEARING

- High Misalignment series, self-lubricated
- Low temperature — low wear
  -320°F to +450°F (-195.6°C to +232.2°C)
- Material
  Outer ring: Inconel 718, HRC 37 min.
  Inner ring: Inconel 718, HRC 37 min.
  Liner: Fibriloid CR® meets requirements of AS81820 Type A



Chamfered



Grooved

SPECIFICATIONS AND ORDERING INFORMATION

DIMENSIONS — TOLERANCES

Chamfered 03-888 / Grooved 03-887	B +0.000, -0.0005 +0.000, -0.013		D +0.000, -0.0005 +0.000, -0.013		H ±0.005 ±0.13		W +0.000, -0.002 +0.00, -0.05		A Ref.		C(1) Chamfer +0.010, -0.000 +0.25, -0.00		P(2) Grooved ±0.005 ±0.13		X° Ref.
	in.	mm	in.	mm	in.	m	in.	mm	in.	mm	in.	mm	in.	mm	
03	0.1900	4.826	0.5625	14.288	0.210	5.33	0.500	12.70	0.319	8.10	0.010	0.25	0.493	12.52	15
04	0.2500	6.350	0.7400	18.796	0.255	6.48	0.593	15.06	0.390	9.91	0.010	0.25	0.670	17.02	24
05	0.3125	7.938	0.6875	17.463	0.255	6.48	0.625	15.88	0.418	10.62	0.010	0.25	0.618	15.70	20
06	0.3750	9.525	0.9060	23.012	0.345	8.76	0.813	20.65	0.512	13.00	0.020	0.51	0.836	21.23	23
07	0.4375	11.113	1.0000	25.400	0.345	8.76	0.875	22.23	0.618	15.70	0.020	0.51	0.930	23.62	22
08	0.5000	12.700	1.1250	28.575	0.401	10.19	0.937	23.80	0.730	18.54	0.020	0.51	1.055	26.80	20
10	0.6250	15.875	1.3750	34.925	0.567	14.40	1.200	30.48	0.856	21.74	0.020	0.51	1.275	32.39	20
12	0.7500	19.050	1.5625	39.688	0.620	15.75	1.280	32.51	0.970	24.64	0.030	0.76	1.438	36.53	18
14	0.8750	22.225	1.7500	44.450	0.625	15.88	1.400	35.56	1.140	28.96	0.030	0.76	1.625	41.28	18
16	1.0000	25.400	2.1250	53.975	0.835	21.21	1.875	47.62	1.278	32.46	0.030	0.76	2.000	50.80	21
18	1.1250	28.575	2.3125	58.738	0.942	23.93	1.875	47.63	1.400	35.56	0.030	0.76	2.188	55.58	20
20	1.2500	31.750	2.5000	63.500	1.005	25.53	1.875	47.63	1.523	38.68	0.030	0.76	2.375	60.33	21
22	1.3750	34.925	2.7500	69.850	1.097	27.86	2.125	53.98	1.670	42.42	0.030	0.76	2.625	66.68	22
24	1.5000	38.100	3.0000	76.200	1.175	29.85	2.250	57.15	1.800	45.72	0.030	0.76	2.875	73.03	21

(1)Chamfered Type only. (2)Grooved Type only.

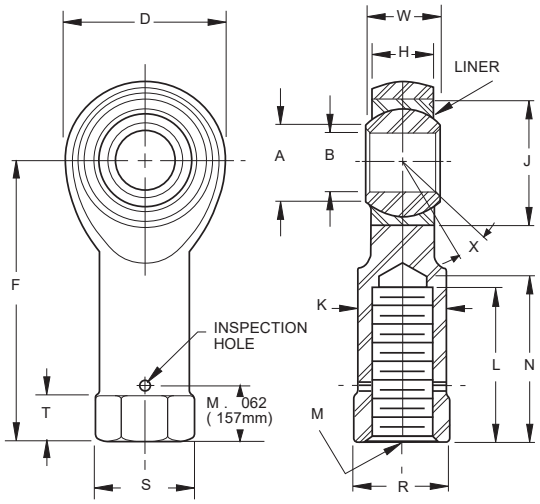
LOAD RATINGS

Chamfered 03-888	Grooved 03-887	Oscillating Radial Load Rating(1)		Radial Limit Load Rating(1)		No Load Rational Starting Torque		Weight Approx. Ref.	
		lbf.	N	lbf.	N	in.-lbs.	N-m	lbs.	kg
03	03	3700	16500	6400	28500	.25-5	.03-.56	0.021	0.010
04	04	5300	23600	10700	47600	.25-5	.03-.56	0.032	0.015
05	05	5300	23600	10700	47600	1-15	.11-1.7	0.043	0.019
06	06	9500	42300	19100	85000	1-15	.11-1.7	0.075	0.034
07	07	10800	48000	21700	96500	1-15	.11-1.7	0.107	0.048
08	08	14400	64100	28800	128100	1-15	.11-1.7	0.171	0.077
10	10	25100	111700	50600	225100	1-15	.11-1.7	0.267	0.121
12	12	30200	134300	60500	269100	1-15	.11-1.7	0.341	0.155
14	14	34300	152600	68600	305100	1-24	.11-2.7	0.459	0.208
16	16	55600	247300	111200	494600	1-24	.11-2.7	0.885	0.402
18	18	68900	306500	138100	614300	1-24	.11-2.7	1.173	0.532
20	20	80300	357200	160600	714400	1-24	.11-2.7	1.408	0.639
22	22	97500	433700	195300	868700	1-24	.11-2.7	1.920	0.871
24	24	111700	496900	223400	993700	1.24	.11-2.7	2.368	1.074

(1)Load ratings based on AS81820 except limitations due to pin bending.

CRYOGENIC RATED SELF-LUBRICATED ROD END BEARING, NARROW FEMALE

- Female type, rod end
- Low temperature — low wear
  -320°F to +450°F (-195.6°C to +232.2°C)
- Material: Bearing inner ring: Inconel 718, HRC 37 MIN
  Bearing outer ring: Inconel 718, HRC 37 MIN
  Rod end housing: Inconel 718, HRC 37 MIN
- Liner: Fibriloid CR® meets requirements of AS81820 Type A
- Threads conform to UNJF-3B per AS8879. For left hand thread replace "02-" designation with "12-" depending on part number ordered. Example: see below
- This rod end meets requirements of AS81935, except where noted.
- For rod end with keyway in end of shank add “K”. Example: see below.
- For rod end with deep key slot on base add “W”. Example: see below.



SPECIFICATIONS AND ORDERING INFORMATION

DIMENSIONS — TOLERANCES

PART NUMBERS 02-885 Dash No.	B +0.000, -.0005 +0.00, -.013		D ±.010 ±.25		L Min.		F ±.010 ±.25		K ±.010 ±.25		W +.000, -.002 +.00, -.05		H ±.005 ±.13		A Min.		J Max.		N Max.		S Ref.		T +.010, -.062 +.25, -1.57		R +.002, -.010 +.05, -.25		M UNJF-3B PER AS8879	X° Min.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
-03	.1900	4.826	.680	17.27	.625	15.88	1.210	30.73	.329	8.36	.281	7.14	.228	5.79	.293	7.44	.5625	14.29	.750	19.05	.430	10.92	.188	4.78	.375	9.53	1/4-28	10
-04	.2500	6.350	.827	21.01	.625	15.88	1.338	33.99	.329	8.36	.343	8.71	.260	6.60	.364	9.25	.6562	16.67	.750	19.05	.430	10.92	.188	4.78	.375	9.53	1/4-28	10
-05	.3125	7.938	.984	24.99	.750	19.05	1.566	39.78	.413	10.49	.375	9.53	.291	7.39	.419	10.64	.7500	19.05	.875	22.23	.500	12.70	.188	4.78	.437	11.10	5/16-24	10
-06	.3750	9.525	1.131	28.73	1.000	25.40	1.908	48.46	.501	12.73	.406	10.31	.322	8.18	.475	12.07	.8125	20.64	1.125	28.58	.720	18.29	.250	6.35	.625	15.88	3/8-24	9
-07	.4375	11.112	1.294	32.87	1.125	28.58	2.125	53.98	.584	14.83	.437	11.10	.353	8.97	.530	13.46	.9062	23.02	1.250	31.75	.720	18.29	.250	6.35	.625	15.88	7/16-20	8
-08	.5000	12.700	1.459	37.06	1.250	31.75	2.356	59.84	.672	17.07	.500	12.70	.400	10.16	.600	15.24	1.0000	25.40	1.375	34.93	1.020	25.91	.375	9.53	.875	22.23	1/2-20	8
-10	.6250	15.875	1.763	44.78	1.375	34.93	2.707	68.76	.845	21.46	.625	15.88	.510	12.95	.739	18.77	1.1875	30.16	1.500	38.10	1.020	25.91	.375	9.53	.875	22.23	5/8-18	8
-12	.7500	19.050	2.140	54.36	1.625	41.28	3.193	81.10	1.017	25.83	.750	19.05	.603	15.32	.920	23.37	1.4375	36.51	1.750	44.45	1.300	33.02	.500	12.70	1.125	28.58	3/4 - 16	8
-14	.8750	22.225	2.372	60.25	1.875	47.63	3.677	93.40	1.187	30.15	.875	22.23	.713	18.11	.980	24.89	1.5625	39.69	2.062	52.37	1.375	34.93	.500	12.70	1.250	31.75	7/8 - 14	8
-16	1.0000	25.400	2.681	68.10	2.125	53.98	4.101	104.17	1.356	34.44	1.000	34.93	.807	20.50	1.118	28.40	1.7500	44.45	2.312	58.72	1.590	40.39	.500	12.70	1.375	34.93	1 - 12	9

LOAD RATINGS

02-885 Dash No.	Ultimate Static Load		Fatigue Load		Axial Proof Load		Weight Approx. Ref.		No Load Rotational Breakaway Torque Min.		Max.	
	lbf.	N	lbf.	N	lbf.	N	lbs.	kg	in.-lbs.	Nm	in.-lbs.	Nm
-03	3000	13320	1100	4884	150	666	0.047	0.021	.5	.06	6	.68
-04	5500	24420	1300	5772	430	1909	0.055	0.025	.5	.06	6	.68
-05	8900	39516	2000	8880	700	3108	0.093	0.042	1	.11	15	1.70
-06	13400	59496	2645	11764	1100	4884	0.146	0.066	1	.11	15	1.70
-07	18200	80808	4200	18648	1400	6216	0.206	0.093	1	.11	15	1.70
-08	24600	109224	5700	25308	2040	9058	0.298	0.135	1	.11	15	1.70
-10	39500	175380	9200	40848	2430	10789	0.538	0.244	1	.11	15	1.70
-12	57200	253968	11500	51155	2940	13078	0.917	0.416	1	.11	15	1.70
-14	77800	345432	18400	81696	3184	14164	1.350	0.613	1	.11	24	2.71
-16	101000	448440	24000	106560	3563	15851	1.935	0.878	1	.11	24	2.71

Check for availability.

Notes:

Ultimate Static Load — No fracture of rod ending housing or bearing will occur when the ultimate static load is applied in the bearing along th shank center line.

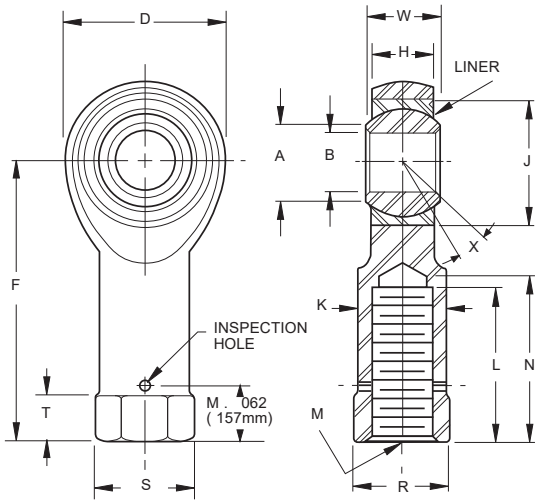
Axial Static Proof Load — Is the retention strength of the bearing within the eye of the rod end housing. No push out of the bearing cartridge will occur when the housing eye is supported and the axial proof load is applied to the face of insert bearing inner ring.

Fatigue Load — The rod end housing will withstand 50,000 cycles of full tension to 10% tension loading at speeds up to 2800 cpm. Load is applied in line with the rod end shank putting the eye in tension.

Bearing configuration	Part number designations for a 0.2500 in. bore rod end
Base P/N (no options)	02-885-04
Keyway on threads	02-885-04K
Left hand thread	12-885-04
Deep key slot on base	02-885-04W

CRYOGENIC RATED SELF-LUBRICATED ROD END BEARING, WIDE FEMALE

- Female type, rod end
- Low temperature — low wear
  -320°F to +450°F (-195.6°C to +232.2°C)
- Material: Bearing inner ring: Inconel 718, HRC 37 MIN
  Bearing outer ring: Inconel 718, HRC 37 MIN
  Rod end housing: Inconel 718, HRC 37 MIN
- Liner: Fibriloid CR® meets requirements of AS81820 Type A
- Threads conform to UNJF-3B per AS8879. For left hand thread replace "02-" designation with "12-" depending on part number ordered. Example: see below
- This rod end meets requirements of AS81935, except where noted.
- For rod end with keyway in end of shank add "K" Example: see below.
- For rod end with deep key slot on base add "W" Example: see below.



SPECIFICATIONS AND ORDERING INFORMATION

DIMENSIONS — TOLERANCES

PART NUMBERS 02-884 Dash No.	B +0.000, -.0005 +0.00, -.013		D ±.010 ±.25		L Min.		F ±.010 ±.25		K ±.010 ±.25		W +.000, -.002 +.00, -.05		H ±.005 ±.13		A Min.		J Max.		N Max.		S Ref.		T +.010, -.062 +.25, -1.57		R +.002, -.010 +.05, -.25		M UNJF-3B PER AS8879	X° Min.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
-03	.1900	4.826	.806	20.47	.750	19.05	1.375	34.92	.422	10.72	.437	11.10	.337	8.56	.30	7.6	.6250	15.875	.875	22.22	.500	12.70	.188	4.78	.437	11.10	5/16-24	15
-04	.2500	6.350	.806	20.47	.750	19.05	1.469	37.31	.422	10.72	.437	11.10	.337	8.56	.30	7.6	.6250	15.875	.875	22.22	.500	12.70	.188	4.78	.437	11.10	5/16-24	15
-05	.3125	7.938	.900	22.86	.875	22.22	1.625	41.28	.485	12.32	.437	11.10	.327	8.31	.36	9.1	.6875	17.462	1.000	25.40	.580	14.73	.250	6.35	.500	12.70	3/8-24	14
-06	.3750	9.525	1.025	26.04	1.000	25.40	1.812	46.02	.547	13.89	.500	12.70	.416	10.57	.47	11.9	.8125	20.638	1.125	28.58	.660	16.76	.250	6.35	.562	14.27	3/18-24	8
-07	.4375	11.112	1.150	29.21	1.125	28.58	2.000	50.80	.610	15.49	.562	14.27	.452	11.48	.54	13.7	.9062	23.017	1.250	31.75	.720	18.29	.250	6.35	.625	15.88	7/16-20	10
-08	.5000	12.700	1.337	33.96	1.250	31.75	2.250	57.15	.735	18.67	.625	15.88	.515	13.08	.61	15.5	1.0000	25.400	1.375	34.92	.880	22.35	.250	6.35	.750	19.05	1/2-20	9
-10	.6250	15.875	1.525	38.74	1.375	34.92	2.500	63.50	.860	21.84	.750	19.05	.577	14.66	.75	19.1	1.1875	30.162	1.500	38.10	1.020	25.91	.375	9.52	.875	22.22	5/8-18	12
-12	.7500	19.050	1.775	45.09	1.625	41.28	2.875	73.03	.985	25.02	.875	22.23	.640	16.26	0.85	21.6	1.3750	34.925	1.750	44.45	1.160	29.46	.375	9.53	1.000	25.40	3/4 - 16	13
-14	.8750	22.225	2.025	51.44	1.875	47.63	3.375	85.73	1.110	28.19	.875	22.23	.765	19.43	1.00	25.4	1.6250	41.275	2.062	52.37	1.300	33.02	.500	12.70	1.125	28.58	7/8 - 14	6
-16	1.0000	25.400	2.775	70.49	2.125	53.98	4.125	104.78	1.688	42.88	1.375	34.93	1.015	25.78	1.27	32.3	2.1250	53.975	2.312	58.72	2.020	51.31	.563	14.30	1.750	44.45	1 1/4 - 12	12

LOAD RATINGS

02-884 Dash No.	Ultimate Static Load		Fatigue Load		Axial Proof Load		Weight Approx. Ref.		No Load Rotational Breakaway Torque Min.		Max.	
	lbf.	N	lbf.	N	lbf.	N	lbs.	kg	in.-lbs.	Nm	in.-lbs.	Nm
-03	2360	10400	1470	6550(2)	1000	4400	0.085	0.039	.5	.06	6	.68
-04	4860	21600	2380	10600	1000	4400	0.090	0.041	.5	.06	6	.68
-05	7180	32000	3020	13400	1100	4900	0.109	0.049	1	.11	15	1.70
-06	8550	38000	3570	16000	1660	7350	0.172	0.078	1	.11	15	1.70
-07	12000	53000	4800	21200	1850	8300	0.226	0.103	1	.11	15	1.70
-08	19500	86500	8260	36500	2040	9000	0.347	0.157	1	.11	15	1.70
-10	21900	98000	9180	40500	2430	10800	0.513	0.233	1	.11	15	1.70
-12	29300	130000	11600	51500	1810	11500	0.718	0.326	1	.11	15	1.70
-14	34500	151000	11100	58000	1320	14800	1.023	0.464	1	.11	24	2.71
-16	80300	357000	30400	135000	4340	19300	2.898	1.315	1	.11	24	2.71

Notes:

Ultimate Static Load — No fracture of rod ending housing or bearing will occur when the ultimate static load is applied in the bearing along th shank center line.

Axial Static Proof Load — Is the retention strength of the bearing within the eye of the rod end housing. No push out of the bearing cartridge will occur when the housing eye is supported and the axial proof load is applied to the face of insert bearing inner ring.

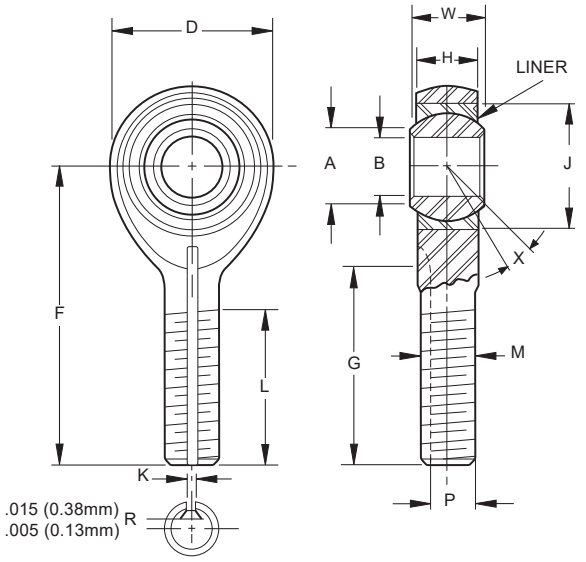
Fatigue Load — The rod end housing will withstand 50,000 cycles of full tension to 10% tension loading at speeds up to 2800 cpm. Load is applied in line with the rod end shank putting the eye in tension.

Check for availability.

Bearing configuration	Part number designations for a 0.2500 in. bore rod end
Base P/N (no options)	02-884-04
Keyway on threads	02-884-04K
Left hand thread	12-884-04
Deep key slot on base	02-884-04W

CRYOGENIC RATED SELF-LUBRICATED ROD END BEARING, NARROW MALE

- Male type, rod end
- Low temperature — low wear
  -320°F to +450°F (-195.6°C to +232.2°C)
- Material: Bearing inner ring: Inconel 718, HRC 37 MIN
  Bearing outer ring: Inconel 718, HRC 37 MIN
  Rod end housing: Inconel 718, HRC 37 MIN, passivated
- Liner: Fibriloid CR® meets requirements of AS81820 Type A
- Rolled threads conform to UNJF-3A per AS8879
- This rod end meets requirements of AS81935, except where noted.
- For rod ends with left hand thread replace "01-" designation with "11-" depending on part number ordered. Example: see below.
- For rod ends with slotted shank or "keyway" add "K" per AS81935. Example: see below.



SPECIFICATIONS AND ORDERING INFORMATION

DIMENSIONS — TOLERANCES

PART NUMBERS 01-885 Dash No.	B +0.000, -.0005 +0.00, -.013		D ±.010 ±.25		L Thread Length ±.031 ±.79		F ±.010 ±.25		W +.000, -.002 +.00, -.05		H ±.005 ±.13		A Min.		J Max.		G Keyway Flat +.000, -.020 +.00, -.51		K(1) +.005, -.000 +.13, -.00		P(1) +.000, -.005 +.00, -.13		M UNJF-3A PER AS8879	X° Min.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
-03	.1900	4.826	.680	17.27	.775	19.69	1.315	33.40	.281	7.14	.228	5.79	.293	7.44	.5625	14.288	.896	22.76	.062	1.57	.207	5.26	1/4-28	10
-04	.2500	6.350	.827	21.01	.775	19.69	1.443	36.65	.343	8.71	.260	6.60	.364	9.25	.6562	16.667	.896	22.76	.062	1.57	.207	5.26	1/4-28	10
-05	.3125	7.938	.984	24.99	1.187	30.15	1.948	49.48	.375	9.53	.291	7.39	.419	10.64	.7500	19.050	1.308	33.22	.062	1.57	.268	6.81	5/16-24	10
-06	.3750	9.525	1.131	28.73	1.187	30.15	2.030	51.56	.406	10.31	.322	8.18	.475	12.07	.8125	20.638	1.308	33.22	.093	2.36	.319	8.10	3/8-24	9
-07	.4375	11.112	1.294	32.87	1.281	32.54	2.250	57.15	.437	11.10	.353	8.97	.530	13.46	.9062	23.017	1.402	35.61	.093	2.36	.383	9.73	7/16-20	8
-08	.5000	12.700	1.459	37.06	1.468	37.29	2.544	64.62	.500	12.70	.400	10.16	.600	15.24	1.0000	25.400	1.589	40.36	.093	2.36	.445	11.30	1/2-20	8
-10	.6250	15.875	1.763	44.78	1.562	39.67	2.832	71.93	.625	15.88	.510	12.95	.739	18.77	1.1875	30.162	1.683	42.75	.125	3.18	.541	13.74	5/8-18	8
-12	.7500	19.050	2.140	54.36	1.687	42.85	3.193	81.10	.750	19.05	.603	15.32	.920	23.37	1.4375	36.513	1.808	45.92	.125	3.18	.663	16.84	3/4-16	8
-14	.8750	22.225	2.372	60.25	2.000	50.80	3.677	93.40	.875	22.23	.713	18.11	.980	24.89	1.5625	39.688	2.121	53.87	.156	3.96	.777	19.74	7/8-14	8
-16	1.0000	25.400	2.681	68.10	2.100	53.34	3.968	101.30	1.000	25.40	.807	20.50	1.118	28.40	1.7500	44.450	2.221	56.41	.156	3.96	.900	22.86	1-12	9

(1)Keyway when specified, is compatible with locking devices, AS81935/3 for sizes 3 thru 8, and NAS559 for sizes 10 thru 16.
Keyway tolerances not specified shall be in accordance with AS81935/3 or NAS513 as applicable.

LOAD RATINGS

PART NUMBERS 01-885 Dash No.	Ultimate Static Radial Load		Fatigue Load		Axial Proof Load		Weight Approx. Ref.		No Load Rotational Breakaway Torque Min.		Max.	
	lbf.	N	lbf.	N	lbf.	N	lbs.	kg	in.-lbs.	Nm	in.-lbs.	Nm
-03	2600	13320	1100	4884	150	666	0.041	0.018	0.5	0.06	6	0.68
-04	5300	23532	1500	6660	430	1909	0.048	0.022	0.5	0.06	6	0.68
-05	8600	38184	1400	10656	700	3108	0.086	0.039	1	0.11	15	1.70
-06	11000	57720	1600	15984	1100	4884	0.128	0.058	1	0.11	15	1.70
-07	17800	79032	5000	21200	1400	6216	0.183	0.083	1	0.11	15	1.70
-08	24200	107448	6800	30192	2040	9058	0.271	0.123	1	0.11	15	1.70
-10	38500	170940	10800	47952	2430	10789	0.485	0.220	1	0.11	15	1.70
-12	56600	251304	16000	71040	2940	13054	0.826	0.374	1	0.11	15	1.70
-14	77400	341656	21900	97236	3190	14164	1.217	0.552	1	0.11	24	2.71
-16	101400	450216	28600	126984	3570	15851	1.756	0.796	1	0.11	24	2.71

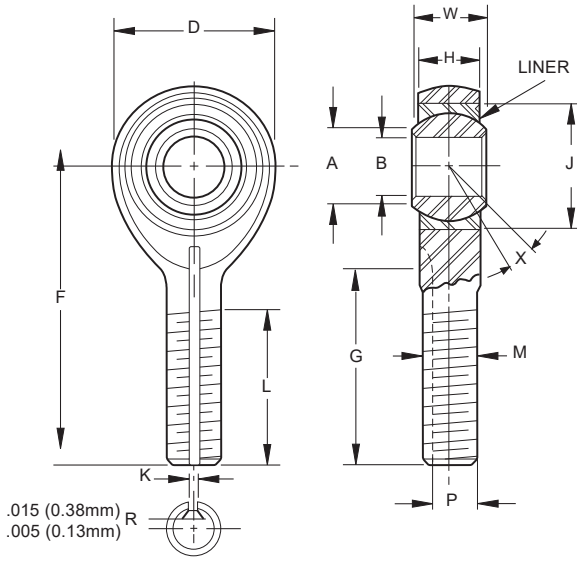
Bearing configuration	Part number designations for a 0.2500 in. bore rod end
Base P/N (no options)	01-885-04
Keyway on threads	01-885-04K
Left hand thread	11-885-04

Please see engineering section or contact RBC Aerospace Bearings.

RBC AEROSPACE BEARINGS

CRYOGENIC RATED SELF-LUBRICATED ROD END BEARING, WIDE MALE

- Male type, rod end
- Low temperature — low wear
  -320°F to +450°F (-195.6°C to +232.2°C)
- Material: Bearing inner ring: Inconel 718, HRC 37 MIN
  Bearing outer ring: Inconel 718, HRC 37 MIN
  Rod end housing: Inconel 718, HRC 37 MIN, passivated
- Liner: Fibriloid CR® meets requirements of AS81820 Type A
- Rolled threads conform to UNJF-3A per AS8879
- This rod end meets requirements of AS81935, except where noted.
- For rod ends with left hand thread replace "01-" designation with "11-" depending on part number ordered. Example: see below
- For rod ends with slotted shank or "keyway" add "K" per AS81935. Example: see below.



SPECIFICATIONS AND ORDERING INFORMATION

DIMENSIONS — TOLERANCES

PART NUMBERS 01-884 Dash No.	B +0.000, -.0005 +0.00, -.013		D ±.010 ±.25		L Thread Length ±.031 ±.79		F ±.010 ±.25		W +.000, -.002 +.00, -.05		H ±.005 ±.13		A Min.		J Max.		G Keyway Flat +.000, -.020 +.00, -.51		K(1) +.005, -.000 +.13, -.00		P(1) +.000, -.005 +.00, -.13		M UNJF-3A PER AS8879	X° Min.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
-03	.1900	4.826	.806	20.47	.968	24.59	1.562	39.67	.437	11.10	.337	8.56	.30	7.6	.6250	15.875	.980	24.89	.062	1.57	.268	6.81	5/16-24	15
-04	.2500	6.350	.806	2047	.968	24.59	1.562	39.67	.437	11.10	.337	8.56	.30	7.6	.6250	15.875	.980	24.89	.062	1.57	.268	6.81	5/16-24	15
-05	.3125	7.938	.900	22.86	1.187	30.15	1.875	47.62	.437	11.10	.337	8.56	.36	9.1	.6875	17.462	1.270	32.26	.062	1.57	.268	6.81	5/16-24	14
-06	.3750	9.525	1.025	26.04	1.187	30.15	1.938	49.23	.500	12.70	.416	10.57	.47	11.9	.8125	20.638	1.235	31.37	.093	2.36	.319	8.10	3/8-24	8
-07	.4375	11.112	1.150	29.21	1.281	32.54	2.125	53.98	.562	14.27	.452	11.48	.54	13.7	.9062	23.017	1.402	35.61	.093	2.36	.383	9.73	7/16-20	10
-08	.5000	12.700	1.337	33.96	1.468	37.29	2.438	61.93	.625	15.88	.515	13.08	.61	15.5	1.0000	25.400	1.589	40.36	.093	2.36	.445	11.30	1/2-20	9
-10	.6250	15.875	1.525	38.74	1.562	39.67	2.625	66.68	.750	19.05	.577	14.66	.75	19.1	1.1875	30.162	1.683	42.75	.125	3.18	.541	13.74	5/8-18	12
-12	.7500	19.050	1.775	45.08	1.687	42.85	2.875	73.02	.875	22.22	.640	16.26	.85	21.6	1.3750	34.925	1.808	45.92	.125	3.18	.663	16.84	3/4-16	13
-14	.8750	22.225	2.025	51.44	2.000	50.80	3.375	85.72	.875	22.22	.765	19.43	1.06	27.0	1.6250	41.275	2.121	53.87	.156	3.96	.777	19.74	7/8-14	6
-16	1.0000	25.400	2.775	70.48	2.343	59.51	4.125	104.78	1.375	34.92	1.015	25.78	1.27	32.3	2.1250	53.975	2.464	62.59	.187	4.75	1.136	28.85	1 1/4-12	12

(1)Keyway when specified, is compatible with locking devices, AS81935/3 for sizes 3 thru 8, and NAS559 for sizes 10 thru 16.
Keyway tolerances not specified shall be in accordance with AS81935/3 or NAS513 as applicable.

LOAD RATINGS

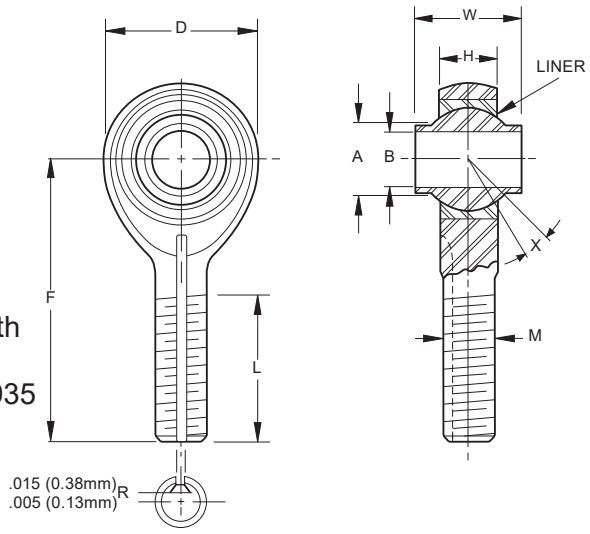
PART NUMBERS 01-884 Dash No.	Ultimate Static Radial Load		Fatigue Load		Axial Proof Load		Weight Approx. Ref.		No Load Rotational Breakaway Torque Min.		Max.	
	lbf.	N	lbf.	N	lbf.	N	lbs.	kg	in.-lbs.	Nm	in.-lbs.	Nm
-03	2360	10400	1470	6550	1000	4400	0.077	0.035	0.5	0.06	6	0.68
-04	4860	21600	2380	10600	1000	4400	0.077	0.035	0.5	0.06	6	0.68
-05	7180	32000	2770	12200	1100	4900	0.093	0.042	1	0.11	15	1.70
-06	8550	38000	3570	16000	1660	7350	0.145	0.066	1	0.11	15	1.70
-07	12000	53000	4800	21200	1850	8300	0.195	0.089	1	0.11	15	1.70
-08	19500	86500	7680	34000	2040	9000	0.297	0.135	1	0.11	15	1.70
-10	21900	98000	9180	40500	2430	10800	0.452	0.205	1	0.11	15	1.70
-12	29300	129000	11600	52000	2810	12500	0.682	0.309	1	0.11	15	1.70
-14	34500	153000	13100	58500	3320	14600	1.027	0.466	1	0.11	24	2.71
-16	80300	355000	30400	134000	4340	19300	2.716	1.232	1	0.11	24	2.71

Bearing configuration	Part number designations for a 0.2500 in. bore rod end
Base P/N (no options)	01-884-04
Keyway on threads	01-884-04K
Left hand thread	11-884-04

Please see engineering section or contact RBC Aerospace Bearings.

CRYOGENIC RATED SELF-LUBRICATED ROD END BEARING, HIGH MISALIGNMENT

- High misalignment male type, rod end
- Low temperature — low wear
  -320°F to +450°F (-195.6°C to +232.2°C)
- Material: Bearing inner ring: Inconel 718, HRC 37 MIN
  Bearing outer ring: Inconel 718, HRC 37 MIN
  Rod end housing: Inconel 718, HRC 37 MIN, passivated
- Liner: Fibriloid CR® meets requirements of AS81820 Type A
- Rolled threads conform to UNJF-3A per AS8879
- For rod ends with left hand thread replace "01-" designation with "11-" depending on part number ordered. Example: see below
- For rod ends with slotted shank or "keyway" add "K" per AS81935 Example: see below.



SPECIFICATIONS AND ORDERING INFORMATION

DIMENSIONS — TOLERANCES

PART NUMBERS 01-887 Dash No.	B +.0000, -.0005 +0.00, -0.013		D ±0.010 ±0.25		L ±0.060 ±1.52		F ±0.010 ±0.25		W +.000, -.005 +0.00, -.13		H ±0.002 ±0.05		A REF.		M UNJF-3A	X° REF.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
-03	.1900	4.826	.781	19.84	1.000	25.40	1.562	39.67	.560	14.22	.337	8.56	.301	7.65	5/16-24	16
-03A	.1900	4.826	.750	19.05	1.000	25.40	1.500	38.10	.500	12.70	.220	5.59	.319	8.10	5/16-24	15
-04	.2500	6.350	1.000	25.40	1.250	31.75	1.938	49.23	.593	15.06	.265	6.73	.390	9.91	5/16-24	23
-05	.3125	7.938	1.125	25.58	1.375	34.93	2.125	53.98	.813	20.65	.355	8.89	.512	13.00	5/16-24	23
-05A	.3125	7.938	.875	22.23	1.062	26.97	1.875	47.63	.625	15.88	.265	6.73	.418	10.62	5/16-24	16
-06	.3750	9.525	1.125	28.58	1.375	34.93	2.125	53.98	.813	20.65	.355	8.89	.512	13.00	3/8-24	23
-07	.4375	11.112	1.312	33.32	1.500	38.10	2.437	61.90	.875	22.23	.355	8.89	.618	15.70	7/16-20	22
-08	.5000	12.700	1.500	38.10	1.625	41.28	2.625	66.68	.937	23.80	.411	10.44	.730	18.54	1/2-20	20
-10	.6250	15.875	1.750	44.45	1.750	44.45	2.875	73.03	1.200	30.48	.577	14.66	.856	21.74	5/8-18	20
-12	.7500	19.050	2.000	50.80	1.875	47.63	3.375	85.73	1.280	32.51	.630	16.00	.970	24.64	3/4-16	18
-14	.8750	22.225	2.200	55.88	2.000	50.80	3.750	95.25	1.400	35.56	.635	16.13	1.140	28.96	7/8-14	18
-16	1.0000	25.400	2.725	69.85	2.125	53.98	4.125	104.78	1.875	47.63	.845	21.46	1.278	32.46	1 1/4-12	21
-20	1.2500	31.750	3.125	79.38	2.875	73.03	5.000	127.00	1.875	47.63	1.015	25.78	1.523	38.68	1 1/4-12	21

LOAD RATINGS

PART NUMBERS 01-887 Dash No.	Static Radial Limit Load		Weight Approx. Ref.		No Load Rotational Breakaway Torque	
	lbf.	N	lbs.	kg	in.-lbs.	Nm
-03	4060(1)	18059	.085	0.039	0.5 - 6	0.06 - 0.68
-03A	4060(1)	18059	.064	0.029	0.5 - 6	0.06 - 0.68
-04	7040(1)	31314	.117	0.053	1 - 15	0.11 - 1.70
-05	8260	36874	.192	0.087	1 - 15	0.11 - 1.70
-05A	5300	23574	.107	0.048	1 - 15	0.11 - 1.70
-06	8260	36740	.181	0.082	1 - 15	0.11 - 1.70
-07	12420	55244	.277	0.126	1 - 15	0.11 - 1.70
-08	17430	77529	.427	0.194	1 - 15	0.11 - 1.70
-10	23620	105062	.672	0.305	1 - 15	0.11 - 1.70
-12	30550	135886	.928	0.421	1 - 24	0.11 - 2.71
-14	31970	142203	1.077	0.489	1 - 24	0.11 - 2.71
-16	59510	264700	2.464	1.118	1 - 24	0.11 - 2.71
-20	70060	313869	3.360	1.524	1 - 24	0.11 - 2.71

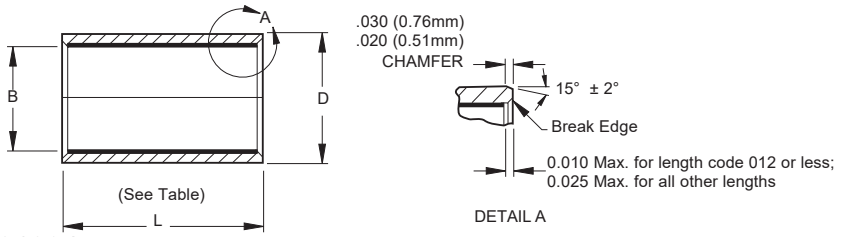
(1) Based on pin limitation.

Notes: Available with lubricators, solid film lubricant and lubrication holes and groove in ball. Please see engineering section or contact RBC Aerospace Bearings.

Bearing configuration	Part number designations for a 0.2500 in. bore rod end
Base P/N (no options)	01-887-04
Keyway on threads	01-887-04K
Left hand thread	11-887-04

CRYOGENIC RATED SELF-LUBRICATED STRAIGHT JOURNAL BEARING

- Journal type
- Low temperature — low wear
  -320°F to +450°F (-195.6°C to +232.2°C)
- Material and notes: Inconel 718, HRC 37 MIN
- Liner: Fibriloid CR® meets requirements of AS81934.



SPECIFICATIONS AND ORDERING INFORMATION

DIMENSIONS — TOLERANCES

Part Numbers 06-880 Dash No.	Nominal Size		B +.000, - .0010 +.000, -.25		D +.000, - .0005 +.000, -.013		Weight L = 1.000 in. L = 25.4 mm Approx. Ref.	
	in.	mm	in.	mm	in.	mm	lbs.-in	kg-mm
-04	1/4	6.350	.2515	6.388	.3760	9.550	.006	.003
-05	5/16	7.938	.3140	7.976	.4386	11.140	.009	.004
-06	3/8	9.525	.3765	9.563	.5012	12.730	.010	.004
-07	7/16	11.112	.4390	11.151	.5638	14.321	.011	.005
-08	1/2	12.700	.5015	12.738	.6265	15.913	.012	.005
-09	9/16	14.288	.5640	14.326	.6892	17.506	.014	.006
-10	5/8	15.875	.6265	15.913	.8142	20.681	.023	.011
-11	11/16	17.462	.6890	17.501	.8767	22.268	.025	.011
-12	3/4	19.050	.7515	19.088	.9393	23.858	.027	.012
-14	7/8	22.225	.8765	22.263	1.0645	27.038	.031	.014
-16	1	25.400	1.0015	25.438	1.1898	38.221	.035	.016
-18	1 1/8	28.575	1.1265	28.613	1.3148	33.396	.039	.018
-20	1 1/4	31.750	1.2515	31.788	1.4398	38.571	.043	.019
-22	1 3/8	34.925	1.3765	34.963	1.5648	39.746	.047	.021
-24	1 1/2	38.100	1.5015	38.138	1.7523	44.508	.069	.031
-26	1 5/8	41.275	1.6265	41.313	1.8773	47.683	.075	.034
-28	1 3/4	44.450	1.7515	44.488	2.0023	50.858	.080	.036
-32	2	50.800	2.0015	50.838	2.2523	57.208	.091	.041

Add length designation in 1/32 in. increments. (See below.) †Add length designation.

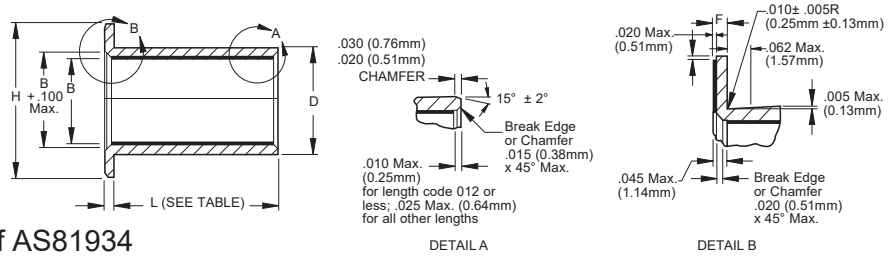
LENGTH DESIGNATORS

Part Number	Length: + 000, -.010 in./ +00, -.25mm																										
06-880	1/4	9/32	5/16	11/32	3/8	7/16	1/2	9/16	5/8	11/16	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 1/2	2 3/4	3
Dash No.	6.35	7.14	7.94	8.73	9.52	11.11	12.70	14.29	15.88	17.46	19.05	22.22	25.40	28.58	31.75	34.92	38.10	41.28	44.45	47.62	50.80	53.98	57.15	60.32	63.50	69.85	76.20
-04	08	09	10	11	12	14																					
-05	08	09	10	11	12	14	16	18																			
-06	08	09	10	11	12	14	16	18	20	22																	
-07	08	09	10	11	12	14	16	18	20	22	24	28															
-08	08	09	10	11	12	14	16	18	20	22	24	28															
-09	08	09	10	11	12	14	16	18	20	22	24	28	32	36													
-10	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44											
-11	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52									
-12	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52									
-14	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52									
-16	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60							
-18			10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60							
-20					12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68					
-22					12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68					
-24					12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	
-26							16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96
-28							16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96
-32							16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96

Bearing configuration	Part number designations for a 0.250 in. bore and 0.250 in. long journal bearing
Base P/N (no options)	06-880-04008
1st oversize O.D. (0.010 in.)	06-880-04008T

CRYOGENIC RATED SELF-LUBRICATED FLANGED JOURNAL BEARING

- Flanged journal type
- Low temperature — low wear
  -320°F to +450°F (-195.6°C to +232.2°C)
- Material: Inconel 718, HRC 37 MIN,
- Liner: Fibriloid CR® meets requirements of AS81934



SPECIFICATIONS AND ORDERING INFORMATION

DIMENSIONS — TOLERANCES

Part Numbers CRES 07-880 Dash No.	Nominal Size		B +.000, - .0010 +.000, -.25		D +.000, - .0005 +.000, -.013		F +.000, - .005 +.00, -.13		H +.000, - .020 +.00, -.51		Journal Weight L = 1.000 in. L = 25.4 mm Approx. Ref.		Flange Weight Approx. Ref.	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.-in	kg-mm	lbs.-in	kg-mm
-04	1/4	6.350	.2515	6.388	.3760	9.550	.0625	1.588	.750	19.05	.010	.004	.003	.001
-05	5/16	7.938	.3140	7.976	.4386	11.140	.0625	1.588	.812	20.62	.012	.005	.003	.001
-06	3/8	9.525	.3765	9.563	.5012	12.730	.0625	1.588	.875	22.22	.013	.006	.003	.001
-07	7/16	11.112	.4390	11.151	.5638	14.321	.0625	1.588	.937	23.80	.014	.006	.003	.001
-08	1/2	12.700	.5015	12.738	.6265	15.913	.0625	1.588	1.000	25.40	.016	.007	.004	.002
-09	9/16	14.288	.5640	14.326	.6892	17.506	.0625	1.588	1.125	28.58	.018	.008	.004	.002
-10	5/8	15.875	.6265	15.913	.8142	20.681	.0625	1.588	1.250	31.75	.029	.013	.005	.002
-11	11/16	17.462	.6890	17.501	.8767	22.268	.0625	1.588	1.375	34.92	.032	.015	.007	.003
-12	3/4	19.050	.7515	19.088	.9393	23.858	.0625	1.588	1.500	38.10	.036	.016	.010	.004
-14	7/8	22.225	.8765	22.263	1.0645	27.038	.0625	1.588	1.625	41.28	.041	.018	.010	.004
-16	1	25.400	1.0015	25.438	1.1898	30.221	.0625	1.588	1.750	44.45	.046	.021	.011	.005
-18	1 1/8	28.575	1.1265	28.613	1.3148	33.396	.0937	2.380	1.875	47.62	.054	.025	.015	.007
-20	1 1/4	31.750	1.2515	31.788	1.4398	36.571	.0937	2.380	2.000	50.80	.062	.028	.019	.009
-22	1 3/8	34.925	1.3765	34.963	1.5648	39.746	.0937	2.380	2.125	53.98	.067	.030	.020	.009
-24	1 1/2	38.100	1.5015	38.138	1.7523	44.508	.0937	2.380	2.250	57.15	.090	.041	.019	.009
-26	1 5/8	41.275	1.6265	41.313	1.8773	47.683	.0937	2.380	2.375	60.32	.096	.044	.021	.010
-28	1 3/4	44.450	1.7515	44.488	2.0023	50.858	.0937	2.380	2.500	63.50	.105	.047	.025	.011
-32	2	50.800	2.0015	50.838	2.2523	57.208	.0937	2.380	2.750	69.85	.118	.054	.028	.013

†Add length designation. Add length designation in 1/32 in. increments. (see below)

LENGTH DESIGNATORS

Part Number	Length: + 000, -.010 in./ +00, -.25mm																										
07-880	1/4	9/32	5/16	11/32	3/8	7/16	1/2	9/16	5/8	11/16	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 1/2	2 3/4	3
Dash No.	6.35	7.14	7.94	8.73	9.52	11.11	12.70	14.29	15.88	17.46	19.05	22.22	25.40	28.58	31.75	34.92	38.10	41.28	44.45	47.62	50.80	53.98	57.15	60.32	63.50	69.85	76.20
04	08	09	10	11	12	14																					
-05	08	09	10	11	12	14	16	18																			
-06	08	09	10	11	12	14	16	18	20	22																	
-07	08	09	10	11	12	14	16	18	20	22	24	28															
-08	08	09	10	11	12	14	16	18	20	22	24	28															
-09	08	09	10	11	12	14	16	18	20	22	24	28	32	36													
-10	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44											
-11	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52									
-12	08	09	10	11	12	14	16	18	20	22	24	28	32	38	40	44	48	52									
-14	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52									
-16	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60							
-18			10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60							
-20					12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68					
-22					12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68					
-24					12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	
-26							16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96
-28							16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96
-32							16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96

Bearing configuration	Part number designations for a 0.250 in. bore and 0.250 in. long journal bearing
Base P/N (no options)	07-880-04008
1st oversize O.D. (0.010 in.)	07-880-04008T
2nd oversize O.D. (0.020 in.)	07-880-04008U