REXNORD
aerospace

Rexnord PSI Aerospace Bearings

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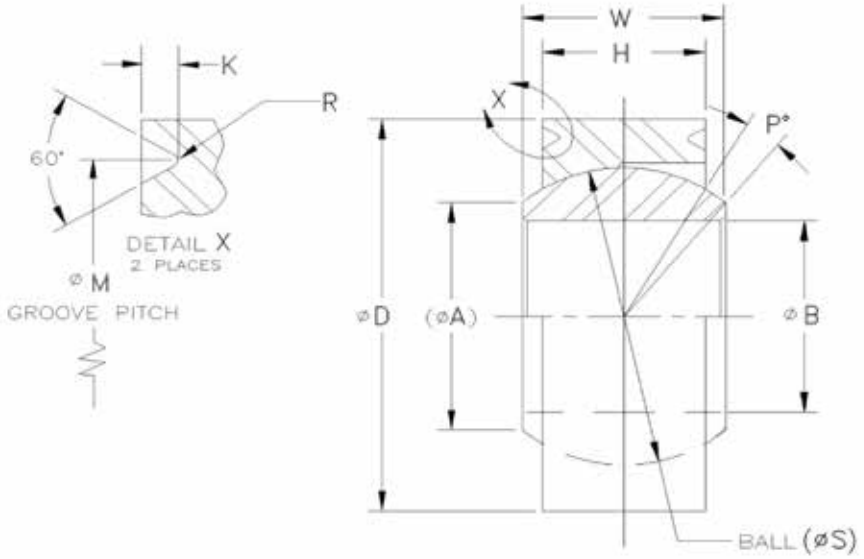
REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

P20000 SERIES
NARROW, GROOVED, ANNULAR

Designed with staking groove on both sides for retention in housing
Operating temperature -65˚F to +450˚F



Part Number	Ø B +.0000 -.0005	Ø D +.0000 -.0005	W +.000 -.002	H +.003 -.003	Ø A Ref.	P° Mis.	Ø M +.003 -.003	K +.006 -.006	R Ref.	Ø S Ball OD Ref.	Static Load (Pounds)		Approx. Weight Pounds
											Limit Radial	Limit Axial	
P20000	.2500	.6562	.343	.250	.405	12	.588	.022	.008	.5300	6,300	2,400	.02
P20010	.3125	.7500	.375	.281	.420	11	.682	.022	.008	.5625	7,700	3,500	.04
P20020	.3750	.8125	.406	.312	.476	10	.714	.032	.008	.6250	10,000	4,500	.04
P20030	.4375	.9062	.437	.343	.530	9	.808	.032	.008	.6865	12,500	5,600	.06
P20040	.5000	1.0000	.500	.390	.641	9	.877	.052	.008	.8125	17,950	7,600	.07
P20050	.5625	1.0937	.562	.437	.671	9	.970	.052	.014	.8750	21,200	9,950	.09
P20060	.6250	1.1875	.625	.500	.740	9	1.064	.052	.014	.9680	26,500	13,000	.11
P20070	.7500	1.4375	.750	.593	.921	9	1.314	.052	.014	1.1870	40,500	20,000	.17
P20080	.8750	1.5625	.875	.703	.978	9	1.439	.052	.014	1.3120	51,000	27,500	.22
P20090	1.0000	1.7500	1.000	.797	1.119	9	1.627	.052	.014	1.5000	67,500	37,000	.28

.002 INCH MAX INTERNAL CLEARANCE (CONTACT REXNORD AEROSPACE ENGINEERING FOR REDUCED CLEARANCE DESIGN)

MATERIAL:
BALL: COBALT ALLOY PER AMS 5387, HRC 37 MINIMUM
RACE: 15-5PH PER AMS 5659, COND H-1025
(17-4PH PER AMS 5643 OPTIONAL)

SURFACE TREATMENT:
BALL O.D.: SOLID FILM LUBRICANT
RACE I.D.: NITRIDED

LOADS BASED ON OPTIMUM LOAD DIRECTION
CONTACT REXNORD AEROSPACE ENGINEERING FOR SWAGING TOOL NUMBER, AND LOADS TOWARDS SLOT AND ALTERNATE MATERIAL.

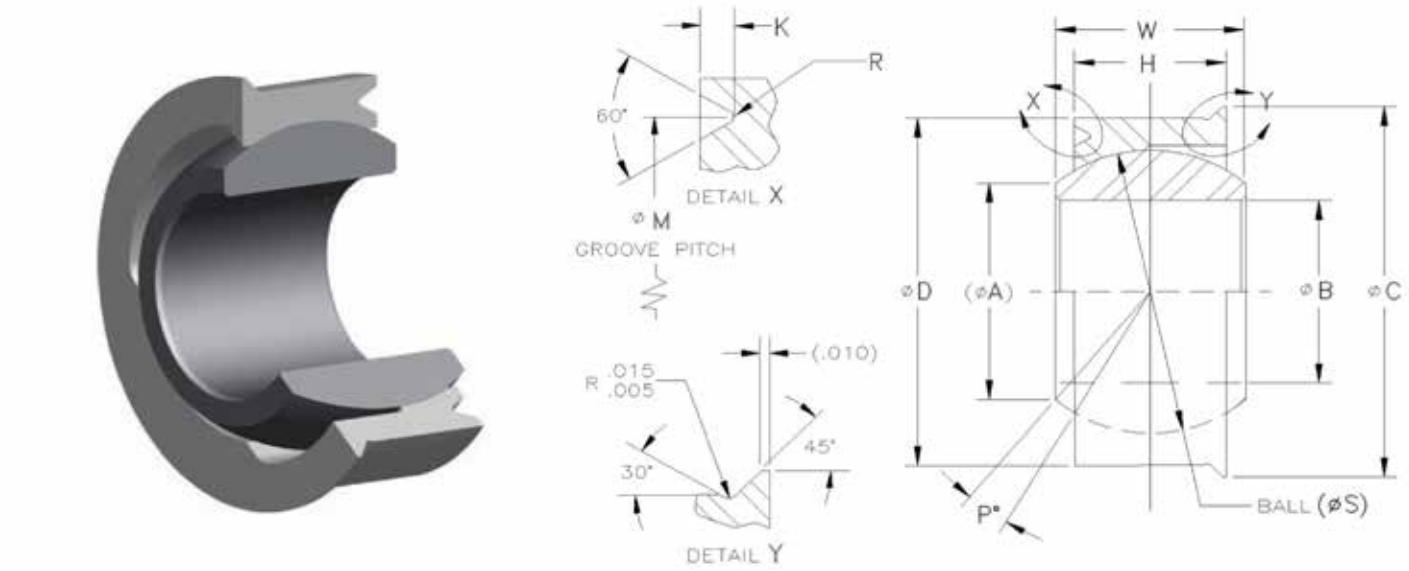
DIMENSIONALLY INTERCHANGEABLE WITH AS14101 SERIES

REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

P25000 SERIES
NARROW, PRE-SWAGED, ANNULAR

Designed for high thrust loads and for applications where swaging/ staking both sides is difficult. Operating temperature -65˚F to +600˚F



Part Number	Ø B +.0000 -.0005	Ø D +.0000 -.0005	Ø C +.002 -.002	W +.000 -.002	H +.003 -.003	Ø A Ref.	P° Mis.	Ø M +.003 -.003	K +.006 -.006	R Ref.	Ø S Ball OD Ref.	Static Load (Pounds)		Approx. Weight Pounds
												Limit Radial	Limit Axial	
P25000	.2500	.6562	.676	.343	.250	.405	12	.588	.022	.008	.5300	6,300	2,400	.02
P25010	.3125	.7500	.770	.375	.281	.420	11	.682	.022	.008	.5625	7,700	3,500	.04
P25020	.3750	.8125	.852	.406	.312	.476	10	.714	.032	.008	.6250	10,000	4,500	.04
P25030	.4375	.9062	.946	.437	.343	.530	9	.808	.032	.008	.6865	12,500	5,600	.06
P25040	.5000	1.0000	1.080	.500	.390	.641	9	.877	.052	.008	.8125	17,950	7,600	.07
P25050	.5625	1.0937	1.174	.562	.437	.671	9	.970	.052	.014	.8750	21,200	9,950	.09
P25060	.6250	1.1875	1.267	.625	.500	.740	9	1.064	.052	.014	.9680	26,500	13,000	.11
P25070	.7500	1.4375	1.517	.750	.593	.921	9	1.314	.052	.014	1.1870	40,500	20,000	.17
P25080	.8750	1.5625	1.642	.875	.703	.978	9	1.439	.052	.014	1.3120	51,000	27,500	.22
P25090	1.0000	1.7500	1.830	1.000	.797	1.119	9	1.627	.052	.014	1.5000	67,500	37,000	.28

.002 INCH MAX INTERNAL CLEARANCE (CONTACT REXNORD AEROSPACE ENGINEERING FOR REDUCED CLEARANCE DESIGN)

MATERIAL:
BALL: COBALT ALLOY PER AMS 5387, HRC 37 MINIMUM
RACE: 15-5PH PER AMS 5659, COND H-1025
(17-4PH PER AMS 5643 OPTIONAL)

SURFACE TREATMENT:
BALL O.D.: SOLID FILM LUBRICANT
RACE I.D.: NITRIDED

LOADS BASED ON OPTIMUM LOAD DIRECTION
CONTACT REXNORD AEROSPACE ENGINEERING FOR SWAGING TOOL NUMBER, AND LOADS TOWARDS SLOT AND ALTERNATE MATERIAL.

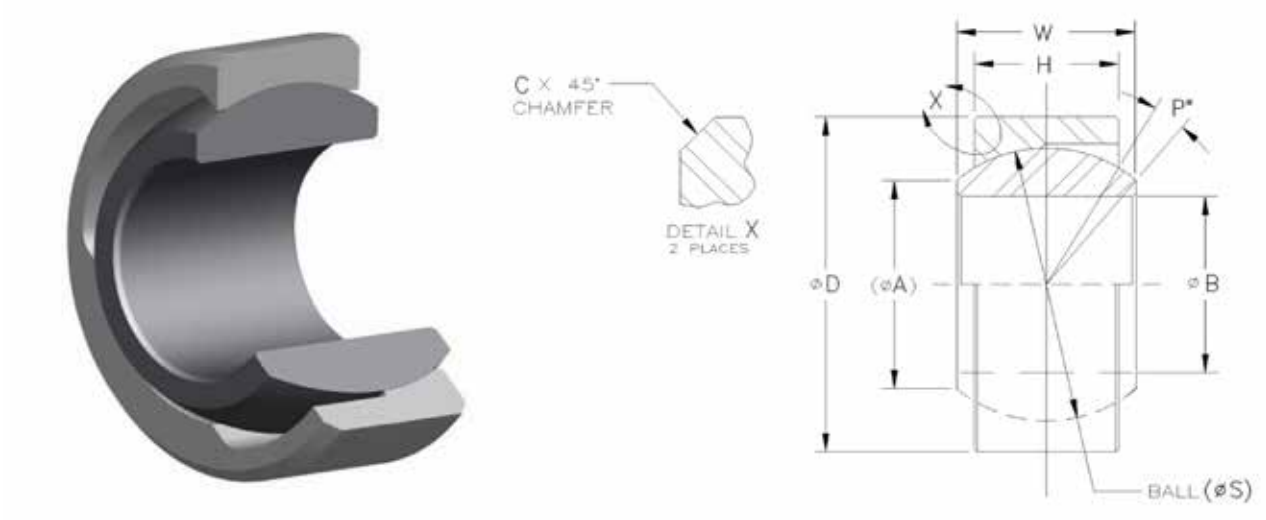
DIMENSIONALLY INTERCHANGEABLE WITH AS14101 SERIES

REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

P20100 SERIES
NARROW, CHAMFERED, ANNULAR

Designed for applications where the bearing is retained by the housing.
Operating temperature -65˚F to +450˚F



Part Number	Ø B +.0000 -.0005	Ø D +.0000 -.0005	W +.000 -.002	H +.003 -.003	Ø A Ref.	P° Mis.	C +.005 -.005	Ø S Ball OD Ref.	Static Load (Pounds)		Approx. Weight Pounds
									Limit Radial	Limit Axial	
P20100	.2500	.6562	.343	.250	.405	12	.020	.5300	6,300	2,400	.02
P20110	.3125	.7500	.375	.281	.420	11	.020	.5625	7,700	3,500	.04
P20120	.3750	.8125	.406	.312	.476	10	.025	.6250	10,000	4,500	.04
P20130	.4375	.9062	.437	.343	.530	9	.025	.6865	12,500	5,600	.06
P20140	.5000	1.0000	.500	.390	.641	9	.030	.8125	17,950	7,600	.07
P20150	.5625	1.0937	.562	.437	.671	9	.030	.8750	21,200	9,950	.09
P20160	.6250	1.1875	.625	.500	.740	9	.030	.9680	26,500	13,000	.11
P20170	.7500	1.4375	.750	.593	.921	9	.030	1.1870	40,500	20,000	.17
P20180	.8750	1.5625	.875	.703	.978	9	.030	1.3120	51,000	27,500	.22
P20190	1.0000	1.7500	1.000	.797	1.119	9	.030	1.5000	67,500	37,000	.28

.002 INCH MAX INTERNAL CLEARANCE (CONTACT REXNORD AEROSPACE ENGINEERING FOR REDUCED CLEARANCE DESIGN)

MATERIAL:
BALL: COBALT ALLOY PER AMS 5387, HRC 37 MINIMUM
RACE: 15-5PH PER AMS 5659, COND H-1025
(17-4PH PER AMS 5643 OPTIONAL)

SURFACE TREATMENT:
BALL O.D.: SOLID FILM LUBRICANT
RACE I.D.: NITRIDED

LOADS BASED ON OPTIMUM LOAD DIRECTION
CONTACT REXNORD AEROSPACE ENGINEERING FOR LOADS TOWARDS SLOT AND ALTERNATE MATERIAL

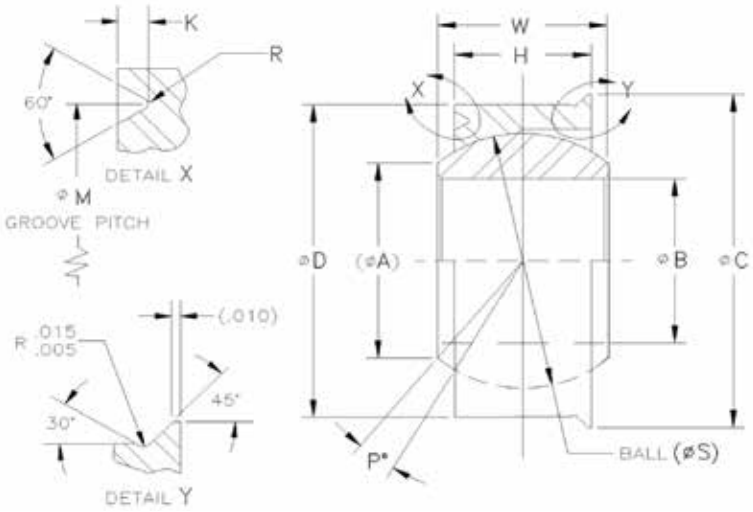
DIMENSIONALLY INTERCHANGEABLE WITH AS14104 SERIES

REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

P22100 SERIES
WIDE, PRE-SWAGED, ANNULAR

Designed for high thrust loads and for applications where swaging/ staking both sides is difficult. Operating temperature -65˚F to +450˚F



Part Number	Ø B +.0000 -.0005	Ø D +.0000 -.0005	Ø C +.002 -.002	W +.000 -.002	H +.003 -.003	Ø A Ref.	P° Mis.	Ø M +.003 -.003	K +.006 -.006	R Ref.	Ø S Ball OD Ref.	Static Load (Pounds)		Approx. Weight Pounds
												Limit Radial	Limit Axial	
P22100	.2500	.6250	.645	.437	.327	.301	16	.557	.022	.008	.5300	6,200	4,000	.02
P22110	.3125	.6875	.707	.437	.317	.402	14	.619	.022	.008	.5930	8,500	4,150	.03
P22120	.3750	.8125	.852	.500	.406	.471	10	.714	.032	.008	.6865	12,000	7,500	.05
P22130	.4375	.9375	.977	.562	.442	.587	10	.839	.032	.008	.8125	17,800	9,450	.07
P22140	.5000	1.0000	1.080	.625	.505	.613	9	.877	.052	.008	.8750	21,000	12,700	.08
P22150	.5625	1.1250	1.205	.687	.536	.727	10	1.002	.052	.014	1.0000	28,000	14,900	.12
P22160	.6250	1.1875	1.267	.750	.567	.753	12	1.064	.052	.014	1.0620	31,000	17,000	.14
P22170	.7500	1.3750	1.455	.875	.630	.893	13	1.252	.052	.014	1.2500	42,000	21,400	.20
P22180	.8750	1.6250	1.705	.875	.755	1.061	6	1.502	.052	.014	1.3750	57,700	31,600	.30
P22190	1.0000	2.1250	2.205	1.375	1.005	1.275	14	2.002	.052	.014	1.8750	99,200	58,700	.90

.002 INCH MAX INTERNAL CLEARANCE (CONTACT REXNORD AEROSPACE ENGINEERING FOR REDUCED CLEARANCE DESIGN)

MATERIAL:
BALL: COBALT ALLOY PER AMS 5387, HRC 37 MINIMUM
RACE: 15-5PH PER AMS 5659, COND H-1025
(17-4PH PER AMS 5643 OPTIONAL)

SURFACE TREATMENT:
BALL O.D.: SOLID FILM LUBRICANT
RACE I.D.: NITRIDED

LOADS BASED ON OPTIMUM LOAD DIRECTION
CONTACT REXNORD AEROSPACE ENGINEERING FOR SWAGING TOOL NUMBER, AND LOADS TOWARDS SLOT AND ALTERNATE MATERIAL.

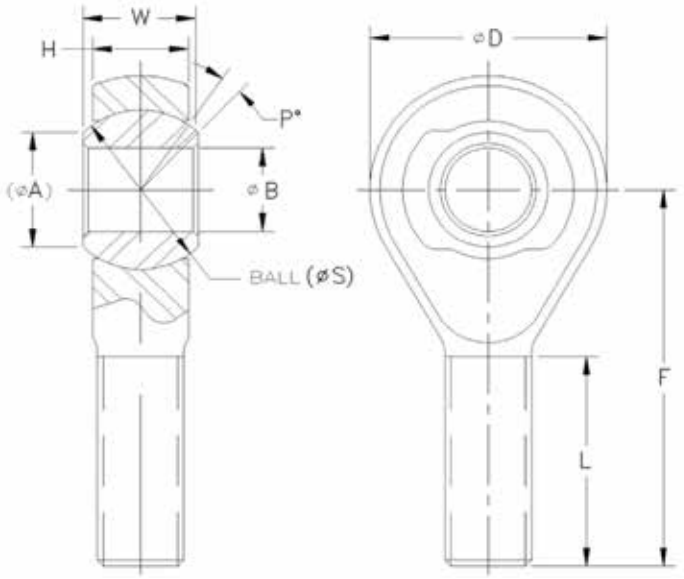
DIMENSIONALLY INTERCHANGEABLE WITH AS14103 SERIES

REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

P30000 SERIES
WIDE PROFILE, MALE ROD END

Operating temperature -65˚F to +450˚F



Part Number	Ø B +.0000 -.0005	Ø D +.010 -.010	W +.000 -.002	H +.000 -.020	Ø A Ref.	P° Mis.	Ø S Ball OD Ref.	F +.010 -.010	L +.030 -.030	Thread Size UNJF-3A	Load in (Pounds)		Approx. Weight Pounds
											Static Radial Limit	Dynamic	
P30000	.1900	.805	.437	.350	.355	15	.5625	1.562	.968	.3125-24	1,500	900	.08
P30010	.2500	.805	.437	.350	.355	15	.5625	1.562	.968	.3125-24	4,000	900	.08
P30020	.3125	.900	.437	.340	.402	14	.5930	1.875	1.187	.3125-24	5,400	1,250	.09
P30030	.3750	1.030	.500	.430	.516	8	.7180	1.938	1.187	.3750-24	8,400	2,050	.14
P30040	.4375	1.150	.562	.460	.543	10	.7810	2.125	1.281	.4375-20	11,300	2,300	.20
P30050	.5000	1.337	.625	.525	.613	9	.8750	2.438	1.468	.5000-20	15,400	3,000	.30
P30060	.6250	1.525	.750	.585	.753	12	1.0620	2.625	1.562	.6250-18	18,850	4,400	.44
P30070	.7500	1.775	.875	.650	.873	13	1.2350	2.875	1.687	.7500-16	25,800	6,000	.66
P30080	.8750	2.025	.875	.775	1.061	6	1.3750	3.375	2.000	.8750-14	36,500	8,350	1.00
P30090	1.0000	2.775	1.375	1.025	1.181	12	1.8120	4.125	2.343	1.2500-12	56,000	12,650	2.58

.002 INCH MAX INTERNAL CLEARANCE (CONTACT REXNORD AEROSPACE ENGINEERING FOR REDUCED CLEARANCE DESIGN)

MATERIAL:
BALL: COBALT ALLOY PER AMS 5387, HRC 37 MINIMUM
ROD END BODY: 15-5PH BAR PER AMS 5659, COND H-1025
(17-4PH CAST PER AMS 5355 OPTIONAL)

SURFACE TREATMENT:
BALL O.D.: SOLID FILM LUBRICANT
ROD END BODY I.D.: NITRIDED

STATIC RADIAL LOADS SHOWN IN THE TABULATION ABOVE ARE BASED ON 15-5PH BAR MATERIAL
A LOAD REDUCTION FACTOR OF APPROXIMATELY 25% SHOULD BE CONSIDERED FOR 17-4PH CAST PER AMS 5355
FOR APPLICATIONS REQUIRING STATIC RADIAL LOADS SHOWN IN THE TABULATION ABOVE, 15-5PH BAR MATERIAL SHOULD BE SPECIFIED WHEN ORDERING PARTS

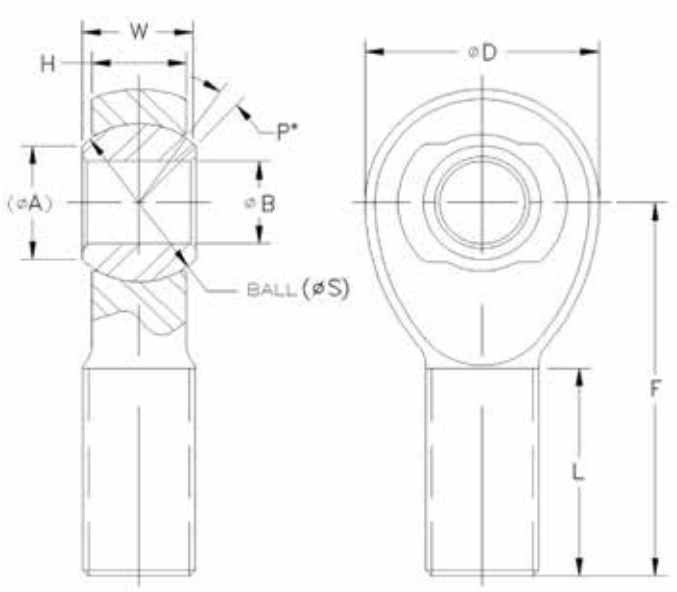
DYNAMIC LOADS BASED ON 12,000 PSI AND ± 25˚ OSCILLATION
CONTACT REXNORD AEROSPACE ENGINEERING FOR FATIGUE LOADS AND ALTERNATE MATERIAL
DIMENSIONALLY INTERCHANGEABLE WITH AS81935/1 SERIES

REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

PSI P37300 SERIES
NARROW PROFILE, BALANCED DESIGN, MALE ROD END

Designed for high fatigue load applications
Operating temperature -65˚F to +600˚F



Part Number	Ø B +.0000 -.0005	Ø D +.010 -.010	W +.000 -.002	H +.000 -.020	Ø A Ref.	P° Mis.	Ø S Ball OD Ref.	F +.010 -.010	L +.030 -.030	Thread Size UNJF-3A	Load in (Pounds)		Approx. Weight Pounds
											Static Radial Limit	Dynamic	
P37300	.1900	.850	.343	.260	.405	12	.5300	1.656	.968	.3125-24	3,200	900	.06
P37310	.2500	.850	.343	.260	.405	12	.5300	1.656	.968	.3125-24	5,400	900	.06
P37320	.3125	.900	.375	.290	.420	12	.5625	1.906	1.187	.3125-24	5,400	1,050	.07
P37330	.3750	1.000	.406	.322	.476	11	.6250	2.000	1.187	.3750-24	8,400	1,300	.09
P37340	.4375	1.095	.437	.353	.530	10	.6865	2.125	1.280	.4375-20	11,300	1,700	.12
P37350	.5000	1.332	.500	.405	.641	9	.8125	2.560	1.468	.5000-20	15,400	2,450	.20
P37360	.6250	1.535	.625	.515	.740	9	.9680	2.780	1.560	.6250-18	23,600	3,650	.34
P37370	.7500	1.890	.750	.610	.921	9	1.1870	3.062	1.687	.7500-16	35,000	5,550	.62
P37380	.8750	2.210	.875	.718	.978	9	1.3120	3.560	2.000	.8750-14	49,000	6,950	.95
P37390	1.0000	2.625	1.000	.817	1.119	9	1.5000	4.125	2.343	1.2500-12	66,000	9,150	1.50

.002 INCH MAX INTERNAL CLEARANCE (CONTACT REXNORD AEROSPACE ENGINEERING FOR REDUCED CLEARANCE DESIGN)

MATERIAL:
BALL: COBALT ALLOY PER AMS 5387, HRC 37 MINIMUM
ROD END BODY: 15-5PH BAR PER AMS 5659, COND H-1025
(17-4PH CAST PER AMS 5355 OPTIONAL)

SURFACE TREATMENT:
BALL O.D.: SOLID FILM LUBRICANT
ROD END BODY I.D.: NITRIDED

STATIC RADIAL LOADS SHOWN IN THE TABULATION ABOVE ARE BASED ON 15-5PH BAR MATERIAL
A LOAD REDUCTION FACTOR OF APPROXIMATELY 25% SHOULD BE CONSIDERED FOR 17-4PH CAST PER AMS 5355
FOR APPLICATIONS REQUIRING STATIC RADIAL LOADS SHOWN IN THE TABULATION ABOVE, 15-5PH BAR MATERIAL SHOULD BE SPECIFIED WHEN ORDERING PARTS

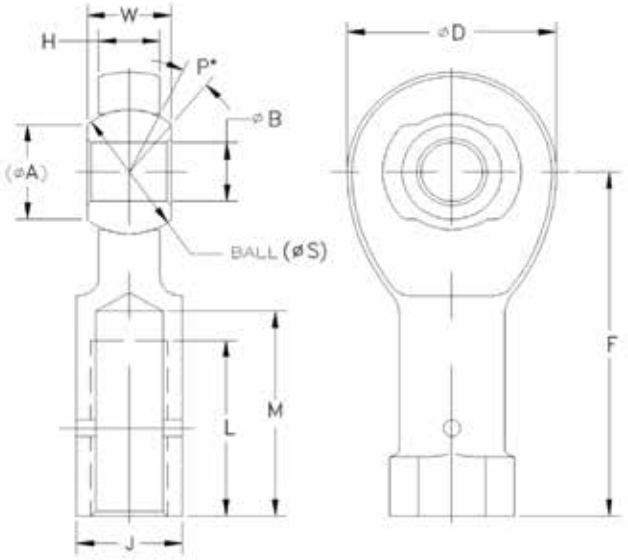
DYNAMIC LOADS BASED ON 12,000 PSI AND ± 25˚ OSCILLATION
CONTACT REXNORD AEROSPACE ENGINEERING FOR FATIGUE LOADS AND ALTERNATE MATERIAL

REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

PSI P38700 SERIES
NARROW PROFILE, BALANCED DESIGN, FEMALE ROD END

Designed for high fatigue load applications
Operating temperature -65˚F to +600˚F



Part Number	Ø B +.0000 -.0005	Ø D +.010 -.010	W +.000 -.002	H +.000 -.020	Ø A Ref.	P° Mis.	Ø S Ball OD Ref.	F +.010 -.010	L Min.	M Max.	J Wrench Flats +.000 -.015	Thread Size UNJF-3B	Load in (Pounds)		Approx. Weight Pounds
													Static Radial Limit	Dynamic	
P38700	.1875	.850	.343	.260	.404	12	.5300	1.375	.750	.875	.437	.3125-24	3,200	900	.07
P38710	.2500	.850	.343	.260	.404	12	.5300	1.469	.750	.875	.437	.3125-24	6,000	900	.07
P38720	.3125	.900	.375	.290	.419	12	.5625	1.625	.875	1.000	.500	.3750-24	7,400	1,050	.09
P38730	.3750	1.000	.406	.322	.475	11	.6250	1.812	1.000	1.125	.562	.3750-24	9,500	1,300	.13
P38740	.4375	1.095	.437	.353	.529	10	.6865	2.000	1.125	1.250	.625	.4375-20	11,500	1,700	.16
P38750	.5000	1.332	.500	.405	.640	9	.8125	2.250	1.250	1.375	.750	.5000-20	16,500	2,450	.28
P38760	.6250	1.535	.625	.515	.740	9	.9680	2.500	1.375	1.500	.875	.6250-18	23,500	3,650	.41
P38770	.7500	1.890	.750	.610	.920	9	1.1870	2.875	1.625	1.750	1.000	.7500-16	33,000	5,550	.66
P38780	.8750	2.210	.875	.718	.978	9	1.3120	3.375	1.875	2.062	1.125	.8750-14	39,610	6,950	1.00
P38790	1.0000	2.625	1.000	.817	1.118	9	1.5000	4.125	2.125	2.312	1.750	1.2500-12	66,000	9,150	2.31

.002 INCH MAX INTERNAL CLEARANCE (CONTACT REXNORD AEROSPACE ENGINEERING FOR REDUCED CLEARANCE DESIGN)

MATERIAL:
BALL: COBALT ALLOY PER AMS 5387, HRC 37 MINIMUM
ROD END BODY: 15-5PH BAR PER AMS 5659, COND H-1025
(17-4PH CAST PER AMS 5355 OPTIONAL)

SURFACE TREATMENT:
BALL O.D.: SOLID FILM LUBRICANT
ROD END BODY I.D.: NITRIDED

STATIC RADIAL LOADS SHOWN IN THE TABULATION ABOVE ARE BASED ON 15-5PH BAR MATERIAL
A LOAD REDUCTION FACTOR OF APPROXIMATELY 25% SHOULD BE CONSIDERED FOR 17-4PH CAST PER AMS 5355
FOR APPLICATIONS REQUIRING STATIC RADIAL LOADS SHOWN IN THE TABULATION ABOVE, 15-5PH BAR MATERIAL SHOULD BE SPECIFIED WHEN ORDERING PARTS

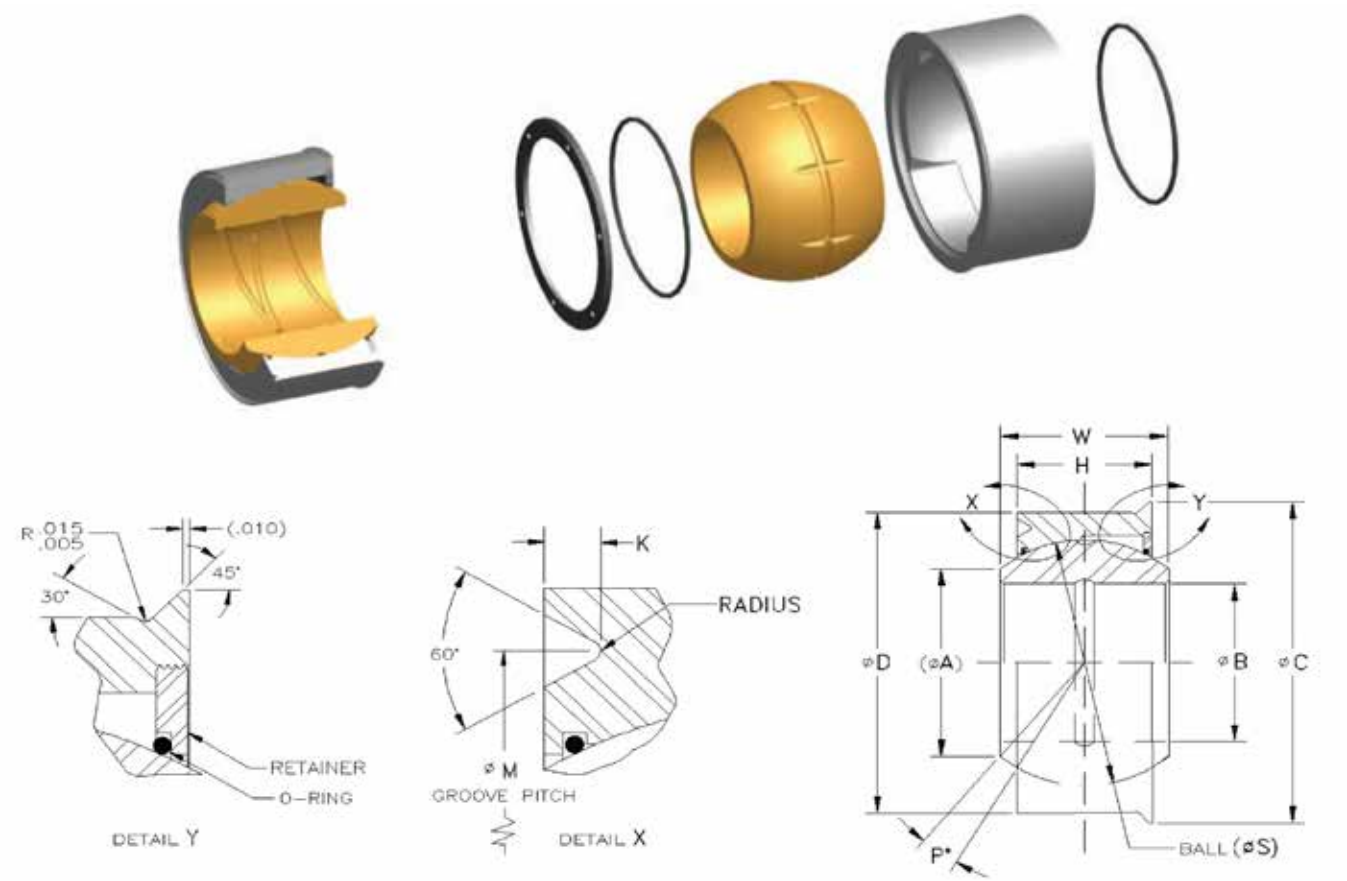
DYNAMIC LOADS BASED ON 12,000 PSI AND ± 25˚ OSCILLATION
CONTACT REXNORD AEROSPACE ENGINEERING FOR FATIGUE LOADS AND ALTERNATE MATERIAL

REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

P26000 SERIES
PRE-SWAGED, SEALED, ANNULAR

Greased and Sealed Design, for high thrust loads and for applications where swaging/staking both sides is difficult. (Also available in Rod End Configuration)
Operating temperature -65˚F to +350˚F



MATERIAL CODES: FOR BALL ONLY

"S" = CORROSION RESISTANT COBALT ALLOY

"B" = C17200 BE-CU ALLOY

BEARING LUBRICATION REQUIREMENT CODES:

"A" = LUBE HOLES AND GROOVES ON BOTH O.D. AND I.D. OF BALL ONLY, WITH GREASE ▷.
P26000 THRU P26050, BALL I.D. GROOVE AS SHOWN P26060 AND ABOVE HAVE SPIRAL GROOVE ON BALL I.D.

"C" = LUBE HOLES THROUGH RACE WITH GROOVE ON O.D. OF RACE. LUBE HOLES AND GROOVES ON BOTH O.D. AND I.D. OF BALL, WITH GREASE ▷.
P26000 THRU P26050, BALL I.D. GROOVE AS SHOWN P26060 AND ABOVE HAVE SPIRAL GROOVE ON BALL I.D.

"G" = LUBE HOLES THROUGH RACE WITH GROOVE ON O.D. OF RACE AND GROOVES ON BALL O.D., WITH GREASE ▷.

"N" = NO LUBE HOLES OR GROOVES, WITH SOLID FILM LUBRICANT ON O.D. OF BALL.
USE WITH MATERIAL CODE "S" ONLY.

REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

P26000 SERIES (CONTINUED)
PRE-SWAGED, SEALED, ANNULAR

Greased and Sealed Design, for high thrust loads and for applications where swaging/staking both sides is difficult. (Also available in Rod End Configuration) Operating temperature -65˚F to +350˚F

Part Number	Ø B	Ø D	Ø C +.002 -.002	W	H +.003 -.003	Ø A Ref.	P° Mis.	Ø M +.003 -.003	K +.004 -.004	Ø S Ball OD Ref.	Static Load (Pounds) Limit Radial	Static Load (Pounds) Limit Axial	Approx. Weight Pounds
P26000B-A	.2500 .2495	.7500 .7495	.770	.375 .375	.280	.420	11.0	.682	.026	.5625	3,700	1,600	.04
P26010B-A	.3125 .3120	.8125 .8120	.852	.375 .373	.300	.500	7.5	.714	.036	.6250	5,000	2,000	.04
P26020B-A	.3750 .3745	.8750 .8745	.915	.406 .404	.312	.554	8.0	.777	.036	.6865	6,300	2,400	.05
P26030B-A	.4375 .4370	.9375 .9370	.977	.437 .435	.360	.610	6.5	.839	.036	.7500	9,400	3,700	.06
P26040B-A	.5000 .4995	1.0000 .9995	1.040	.500 .498	.410	.640	7.0	.902	.036	.8125	12,700	5,200	.08
P26050B-A	.5625 .5620	1.1250 1.1245	1.205	.562 .560	.460	.710	7.5	1.002	.056	.9060	17,700	7,400	.11
P26060B-A	.6250 .6245	1.2500 1.2495	1.330	.625 .623	.510	.780	7.5	1.127	.056	1.0000	20,000	10,000	.15
P26070B-A	.7500 .7495	1.5000 1.4995	1.580	.750 .748	.624	.921	7.0	1.377	.056	1.1875	24,800	12,600	.26
P26080B-A	.8750 .8745	1.7500 1.7495	1.830	.875 .873	.730	1.060	7.0	1.627	.056	1.3750	37,500	19,600	.42
P26090B-A	1.0000 .9995	1.8750 1.8745	1.955	1.000 .998	.812	1.200	8.0	1.752	.056	1.5625	52,000	26,500	.52
P26100B-A	1.1250 1.1245	2.1250 2.1245	2.205	1.125 1.123	.936	1.340	7.5	2.002	.056	1.7500	73,300	38,700	.76
P26110B-A	1.2500 1.2495	2.3125 2.3120	2.392	1.250 1.248	1.030	1.480	8.0	2.189	.056	1.9375	95,000	49,800	.99
P26120B-A	1.3750 1.3745	2.5625 2.5620	2.642	1.375 1.372	1.124	1.620	7.5	2.439	.056	2.1250	115,000	59,000	1.33
P26130B-A	1.5010 1.5000	2.8125 2.8118	2.892	1.500 1.497	1.250	1.760	7.5	2.689	.056	2.3125	145,000	78,800	1.77
P26140B-A	1.6260 1.6250	3.0000 2.9993	3.080	1.625 1.622	1.350	1.900	7.5	2.877	.056	2.5000	174,000	95,500	2.16
P26150B-A	1.7510 1.7500	3.1875 3.1868	3.267	1.750 1.747	1.450	2.040	8.0	3.064	.056	2.6875	206,500	114,000	2.59
P26160B-A	1.8760 1.8750	3.3750 3.3742	3.455	1.875 1.872	1.560	2.180	7.5	3.252	.056	2.8750	243,500	136,000	3.10
P26170B-A	2.0010 2.0000	3.6250 3.6242	3.705	2.000 1.997	1.680	2.400	7.0	3.502	.056	3.1250	295,500	162,500	3.90

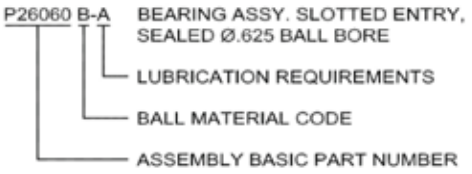
.002 INCH MAX INTERNAL CLEARANCE

MATERIAL:
BALL: C17200 BE-CU PER AMS 4533/AMS 4535
OR COBALT ALLOY PER AMS 5387, HRC 37 MINIMUM
RACE: 15-5PH PER AMS 5659, COND H-1025
(17-4PH PER AMS 5643 OPTIONAL)
RETAINER: 15-5 PH PER AMS 5659, COND H-925
O-RING: POLYTETRAFLUOROETHYLENE PER AS8791 OR EQUIV.

LOADS:
LOADS BASED ON OPTIMUM LOAD DIRECTION FOR B-A SERIES ONLY
CONTACT REXNORD AEROSPACE ENGINEERING FOR LOADS TOWARDS SLOT AND OTHER SERIES

SURFACE TREATMENT:
BALL O.D.: SOLID FILM LUBRICANT
(ONLY WHEN BALL IS PER AMS 5387)
RACE I.D.: NITRIDED/MALCOMIZED
▷ PRE-PACK ASSEMBLY WITH MIL-PRF-23827 GREASE

EXAMPLE OF PSI PART NUMBER CALLOUT:

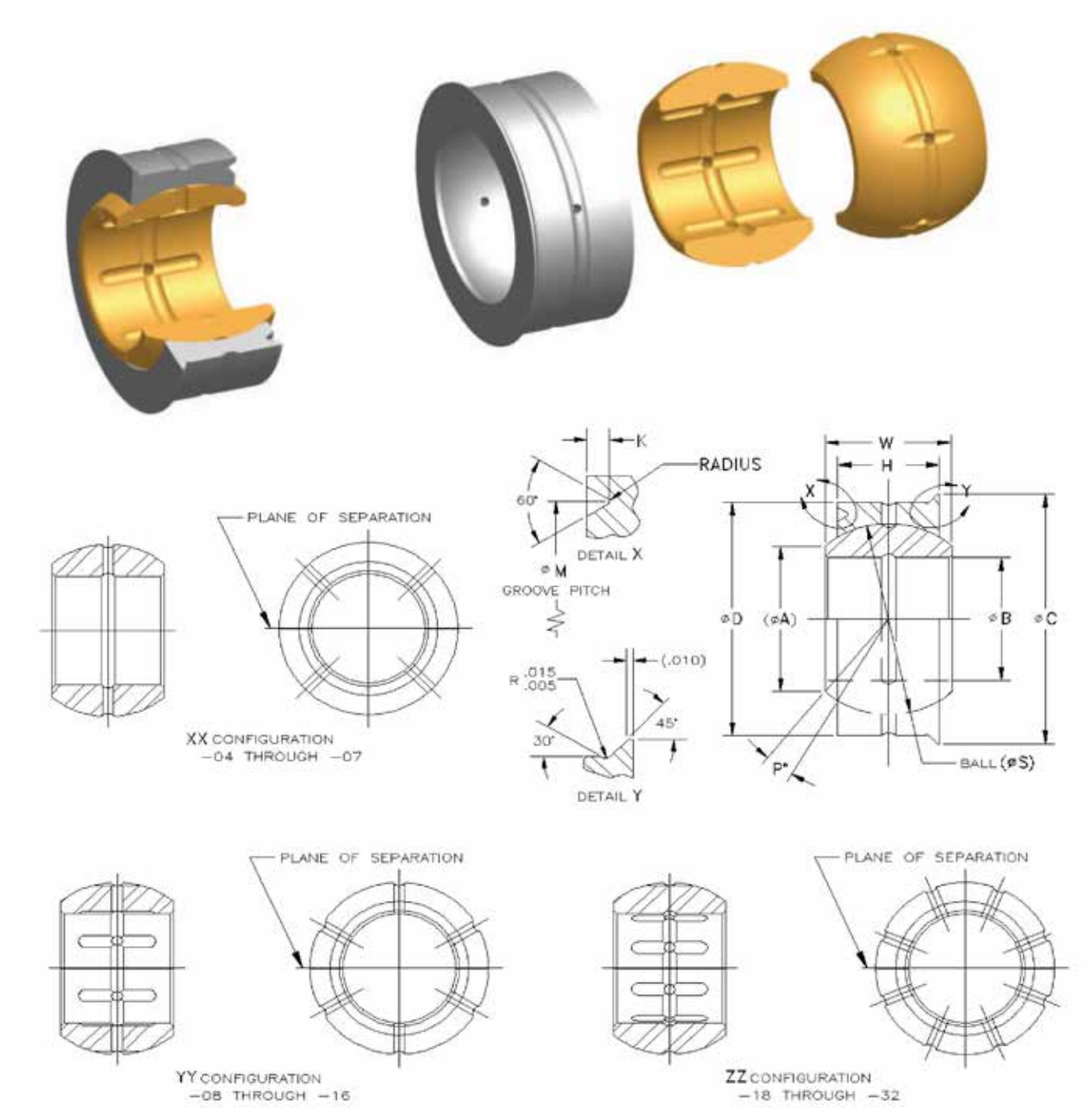


REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

P2A6500 SERIES
GREASED, PRE-SWAGED, SPLIT BALL

Designed for high thrust loads and for applications where swaging/staking both sides is difficult. Operating temperature -65˚F to +350˚F



REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

P2A6500 SERIES (CONTINUED)
GREASED, PRE-SWAGED, SPLIT BALL

Designed for high thrust loads and for applications where swaging/staking both sides is difficult. Operating temperature -65˚F to +350˚F

Part Number	Ø B	Ø D	Ø C +.002 -.002	W	H +.003 -.003	Ø A Ref.	P° Mis.	Ø M +.003 -.003	K	Ø S Ball OD Ref.	Config.	Radial Static Limit Load LBS.	Approx. Weight Pounds
P2A6500-04	.2500 .2495	.6562 .6557	.676	.343 .341	.250	.405	12.0	.588	.028 .016	.5300	XX	6,100	.02
P2A6500-05	.3125 .3120	.7500 .7495	.770	.375 .373	.281	.420	11.0	.682	.028 .016	.5625	XX	8,200	.03
P2A6500-06	.3750 .3745	.8125 .8120	.852	.406 .404	.312	.476	10.0	.714	.038 .026	.6250	XX	11,000	.04
P2A6500-07	.4375 .4370	.9062 .9057	.946	.437 .435	.343	.530	9.0	.808	.038 .026	.6865	XX	14,200	.05
P2A6500-08	.5000 .4995	1.0000 .9995	1.080	.500 .498	.390	.640	9.0	.877	.058 .046	.8125	YY	18,000	.07
P2A6500-09	.5625 .5620	1.0937 1.0932	1.174	.562 .560	.437	.671	9.0	.970	.058 .046	.8750	YY	23,500	.09
P2A6500-10	.6250 .6245	1.1875 1.1870	1.267	.625 .623	.500	.740	9.0	1.064	.058 .046	.9680	YY	32,000	.12
P2A6500-12	.7500 .7495	1.4375 1.4370	1.517	.750 .748	.593	.920	9.0	1.314	.058 .046	1.1870	YY	45,000	.21
P2A6500-14	.8750 .8745	1.6562 1.6557	1.736	.875 .873	.703	1.061	8.0	1.533	.058 .046	1.3750	YY	65,200	.33
P2A6500-16	1.0000 .9995	1.7500 1.7495	1.830	1.000 .998	.797	1.119	9.0	1.627	.058 .046	1.5000	YY	84,600	.38
P2A6500-18	1.1250 1.1245	2.1250 2.1245	2.205	1.125 1.123	.900	1.341	9.0	2.002	.058 .046	1.7500	ZZ	113,000	.69
P2A6500-20	1.2500 1.2495	2.3125 2.3120	2.392	1.250 1.248	1.000	1.481	9.0	2.189	.058 .046	1.9375	ZZ	144,000	.90
P2A6500-22	1.3750 1.3745	2.5625 2.5620	2.642	1.375 1.373	1.100	1.621	9.0	2.439	.058 .046	2.1250	ZZ	177,000	1.21
P2A6500-24	1.5000 1.4995	2.8125 2.8120	2.892	1.500 1.498	1.200	1.761	9.0	2.689	.058 .046	2.3125	ZZ	205,000	1.60
P2A6500-26	1.6250 1.6240	3.0000 2.9993	3.080	1.625 1.622	1.350	1.900	7.5	2.877	.060 .052	2.5000	ZZ	247,000	2.00
P2A6500-28	1.7500 1.7490	3.1875 3.1868	3.267	1.750 1.747	1.450	2.040	8.0	3.064	.060 .052	2.6875	ZZ	291,000	2.40
P2A6500-30	1.8750 1.8740	3.3750 3.3742	3.455	1.875 1.872	1.560	2.180	7.5	3.252	.060 .052	2.8750	ZZ	341,000	2.85
P2A6500-32	2.0000 1.9990	3.6250 3.6242	3.705	2.000 1.997	1.680	2.402	7.0	3.502	.060 .052	3.1250	ZZ	405,000	3.60

.002 INCH MAX INTERNAL CLEARANCE

MATERIAL:
BALL: C17200 BE-CU PER AMS 4533/AMS 4535
RACE: 15-5PH PER AMS 5659, COND H-1025
(17-4PH PER AMS 5643 OPTIONAL)

SURFACE TREATMENT:
RACE I.D.: NITRIDED/MALCOMIZED
PRE-PACK ASSEMBLY WITH MIL-PRF-23827 GREASE

CONFIGURATION:

XX: BALL: (1) RADIAL GROOVE ON I.D. & O.D. (4) HOLES EQ SPACED
RACE: (1) RADIAL GROOVE ON O.D. (4) HOLES THRU EQ SPACED

YY: BALL: (1) RADIAL GROOVE ON I.D. & O.D. (6) AXIAL GROOVES ON BALL I.D. & O.D. EQ SPACED (6) HOLES THRU EQ SPACED
RACE: (1) RADIAL GROOVE ON O.D. (4) HOLES THRU EQ SPACED

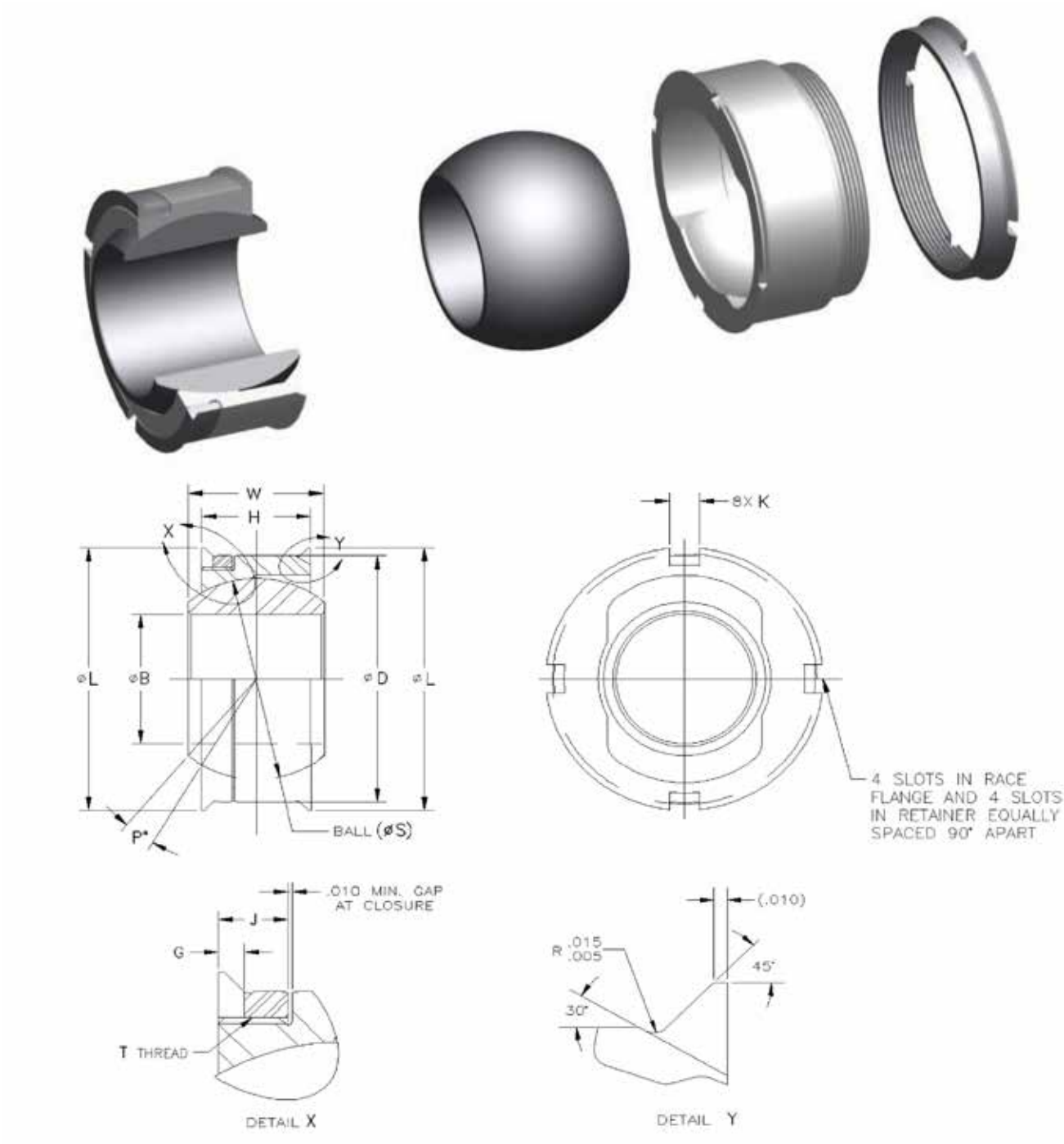
ZZ: BALL: (1) RADIAL GROOVE ON I.D. & O.D. (8) AXIAL GROOVES ON I.D. & O.D. EQ SPACED (8) HOLES THRU EQ SPACED
RACE: (1) RADIAL GROOVE ON O.D. (4) HOLES THRU EQ SPACED

REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

P2A6700 SERIES
PRE-SWAGED, CAPTOR

Designed for high thrust loads and for applications where swaging is not possible. Operating temperature -65˚F to +450˚F



REXNORD aerospace

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Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

P2A6700 SERIES (CONTINUED)
PRE-SWAGED, CAPTOR

Designed for high thrust loads and for applications where swaging is not possible. Operating temperature -65˚F to +450˚F

Part Number	Ø B +.0000 -.0005	Ø D +.0000 -.0005	H +.003 -.003	G +.005 -.005	J +.010 -.010	K +.010 -.010	Ø L +.005 -.005	Ø S Ball OD Ref	W +.000 -.002	P° Mis.
P2A6700-04	.2500	.7500	.281	.045	.125	.093	.770	.5625	.375	11
P2A6700-05	.3125	.7500	.281	.045	.125	.093	.770	.5625	.375	11
P2A6700-06	.3750	.8125	.312	.045	.125	.093	.852	.6250	.406	10
P2A6700-07	.4375	.9062	.343	.045	.125	.093	.946	.6865	.437	9
P2A6700-08	.5000	1.0000	.390	.065	.140	.093	1.080	.8125	.500	9
P2A6700-09	.5625	1.0937	.437	.065	.150	.093	1.174	.8750	.562	9
P2A6700-10	.6250	1.1875	.500	.065	.150	.093	1.267	.9680	.625	9
P2A6700-12	.7500	1.4375	.593	.065	.175	.125	1.517	1.1870	.750	9
P2A6700-14	.8750	1.5625	.703	.065	.220	.125	1.642	1.3120	.875	9
P2A6700-16	1.0000	1.7500	.797	.065	.220	.125	1.830	1.5000	1.000	9

Part Number	T Threads UNJS	Recommended Retainer Installation Torque +/-25 (INCH-LBS.)	Radial Static Limit Load LBS.	Approx. Weight Pounds
P2A6700-04	.656-40	65	2,500	.03
P2A6700-05	.656-40	65	2,500	.03
P2A6700-06	.734-40	70	3,800	.04
P2A6700-07	.812-40	80	6,400	.05
P2A6700-08	.937-40	90	10,000	.07
P2A6700-09	1.000-40	100	12,400	.09
P2A6700-10	1.125-32	110	16,500	.13
P2A6700-12	1.312-32	130	25,600	.22
P2A6700-14	1.437-32	140	30,800	.28
P2A6700-16	1.625-32	160	45,300	.39

.002 INCH MAX INTERNAL CLEARANCE

MATERIAL:
BALL: COBALT ALLOY PER AMS 5387
RACE: 15-5PH PER AMS 5659, COND H-1025
RETAINER: 15-5PH PER AMS 5659, COND H-925

SURFACE TREATMENT:
BALL SPH O.D. COATED WITH DRY FILM LUBRICANT
RACE SPH I.D. NITRIDED/ MALCOMIZED
RETAINER THREADS (ALL OVER OPTIONAL)
COATED WITH DRY FILM LUBRICANT

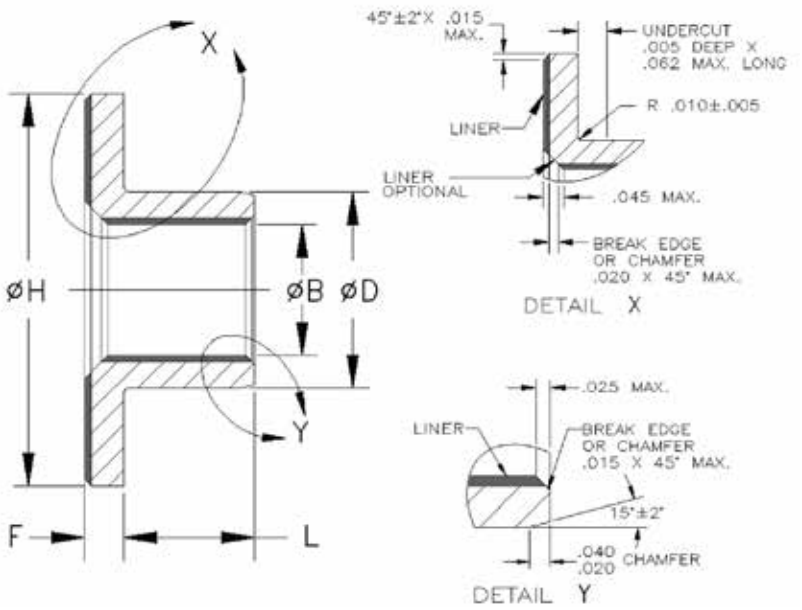
NOTE: SELF-LOCKING PELLET QUALIFIED TO MIL-F-18240 (POLY-LOCK OR EQUIVALENT)

REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

PT5M5BBXX SERIES
SELF-LUBRICATED, AEROSPACE STANDARD AS81934/2 (MIL-B-81934/2), FLANGED SLEEVE BEARINGS

Operating temperature -65˚F to +325˚F



Part Number	Basic Bore Size	Ø B +.0000 -.0010	Ø D CRES +.0000/-.0005 Aluminum ±.0005			F +.000 -.005	ØH +.000 -.020	Approx. Sleeve Weight Lbs/Inch (L=1.000)		Approx. Flange Weight Lbs/Inch	
			Nominal Size	T (.010 Oversize)	U (.020 Oversize)			CRES	Aluminum	CRES	Aluminum
PT5( )504XX	04	.2515	.3760	.3860	.3960	.0625	.750	.016	.006	.006	.002
PT5( )505XX	05	.3140	.4386	.4486	.4586	.0625	.812	.019	.007	.007	.003
PT5( )506XX	06	.3765	.5012	.5112	.5212	.0625	.875	.022	.008	.007	.003
PT5( )507XX	07	.4390	.5638	.5738	.5838	.0625	.937	.025	.009	.008	.003
PT5( )508XX	08	.5015	.6265	.6365	.6465	.0625	1.000	.028	.011	.009	.003
PT5( )509XX	09	.5640	.6892	.6992	.7092	.0625	1.125	.031	.012	.011	.004
PT5( )510XX	10	.6265	.8142	.8242	.8342	.0625	1.250	.056	.021	.014	.005
PT5( )511XX	11	.6890	.8767	.8867	.8967	.0625	1.375	.060	.022	.016	.006
PT5( )512XX	12	.7515	.9393	.9493	.9593	.0625	1.500	.065	.024	.020	.007
PT5( )514XX	14	.8765	1.0645	1.0745	1.0845	.0625	1.625	.075	.028	.022	.008
PT5( )516XX	16	1.0015	1.1898	1.1998	1.2098	.0625	1.750	.084	.031	.024	.009
PT5( )518XX	18	1.1265	1.3148	1.3248	1.3348	.0937	1.875	.094	.035	.041	.015
PT5( )520XX	20	1.2515	1.4398	1.4498	1.4598	.0937	2.000	.103	.038	.045	.016
PT5( )522XX	22	1.3765	1.5648	1.5748	1.5848	.0937	2.125	.113	.041	.048	.017
PT5( )524XX	24	1.5015	1.7523	1.7623	1.7723	.0937	2.250	.171	.062	.051	.018
PT5( )526XX	26	1.6265	1.8773	1.8873	1.8973	.0937	2.375	.183	.067	.055	.020
PT5( )528XX	28	1.7515	2.0023	2.0123	2.0223	.0937	2.500	.196	.071	.058	.021
PT5( )532XX	32	2.0015	2.2523	2.2623	2.2723	.0937	2.750	.222	.081	.065	.023

REXNORD aerospace

2175 Union Place, Simi Valley, CA 93065
Tel: 1(805) 583-5514 Fax: 1(805) 583-4284

PT5M5BBXX SERIES (CONTINUED)
SELF-LUBRICATED, AEROSPACE STANDARD AS81934/2 (MIL-B-81934/2), FLANGED SLEEVE BEARINGS

Operating temperature -65˚F to +325˚F

	Length L +.000/-.010																													
Basic Bore Size	**.156**	**.187**	**.218**	**.250**	**.281**	**.312**	**.343**	**.375**	**.437**	**.500**	**.562**	**.625**	**.687**	**.750**	**.875**	**1.000**	**1.125**	**1.250**	**1.375**	**1.500**	**1.625**	**1.750**	**1.875**	**2.000**	**2.125**	**2.250**	**2.375**	**2.500**	**2.750**	**3.000**
04	05	06	07	08	09	10	11	12	14																					
05	05	06	07	08	09	10	11	12	14	16	18																			
06	05	06	07	08	09	10	11	12	14	16	18	20	22																	
07	05	06	07	08	09	10	11	12	14	16	18	20	22	24	28															
08	05	06	07	08	09	10	11	12	14	16	18	20	22	24	28															
09	05	06	07	08	09	10	11	12	14	16	18	20	22	24	28	32	36													
10	05	06	07	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

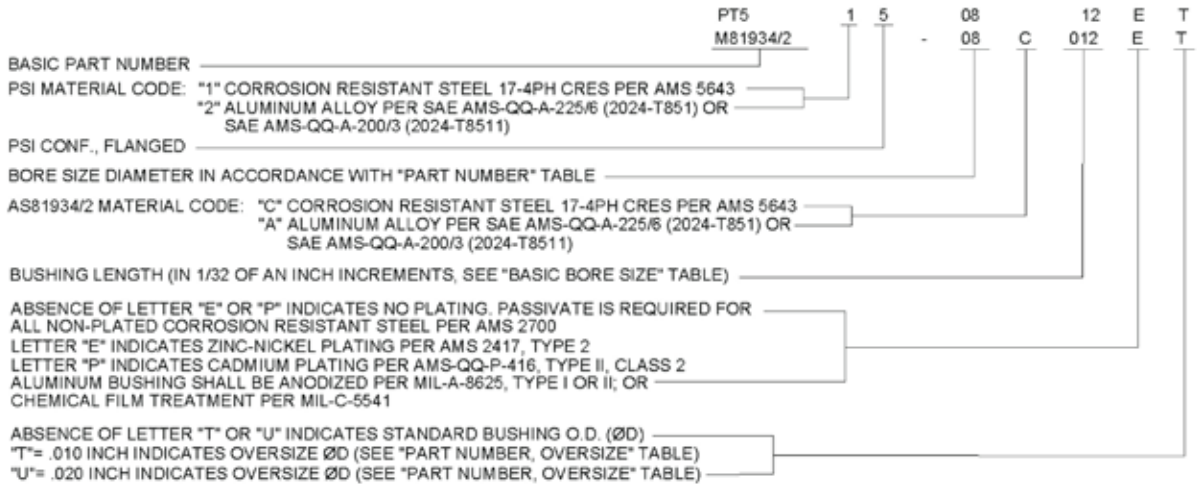
MATERIAL:

CRES BUSHING: 17-4PH PER AMS 5643, COND. H-1150
ALUMINUM BUSHING: ALUM. ALLOY PER AMS-QQ-A-225/6 OR AMS-QQ-A-200/3
LINER: POLYMERIC / COMPOSITE

SURFACE TREATMENT:

CRES BUSHING: PASSIVATE FOR NON-PLATED, CADMIUM OR ZINC NICKEL PLATED
ALUMINUM BUSHING: ANODIZE OR CHEMICAL FILM TREATMENT

EXAMPLE OF PSI AND AEROSPACE STANDARD PART NUMBER CALL OUT



NOTE:

STATIC LIMIT LOAD (PER AS81934/2): ALUMINUM = 50,000 B X (L + F - .13) [LBS]
CRES = 78,500 B X (L + F - .13) [LBS]

CONTACT REXNORD AEROSPACE ENGINEERING FOR MORE INFORMATION.

REXNORD aerospace

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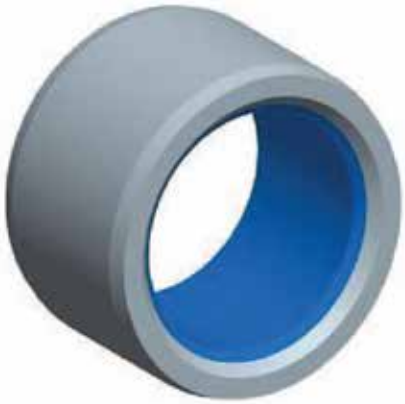
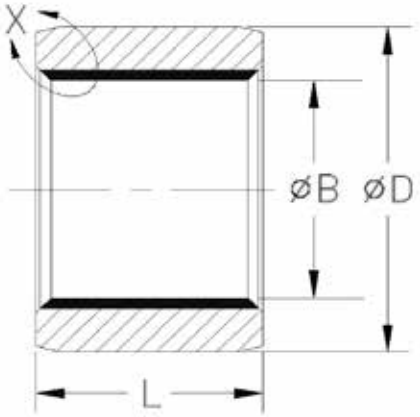
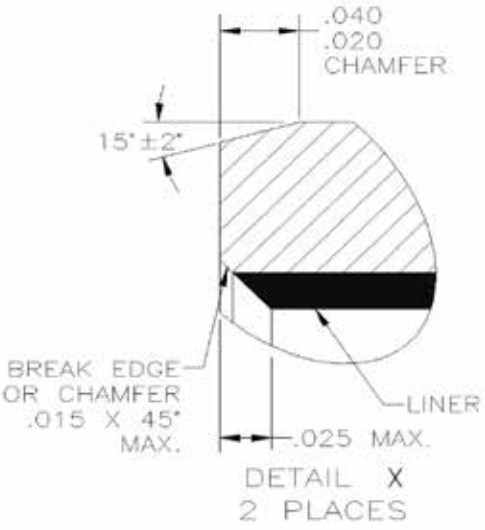
PT5M0BBXX SERIES
SELF-LUBRICATED, AEROSPACE STANDARD AS81934/1 (MIL-B-81934/1), PLAIN SLEEVE BEARINGS

Operating temperature -65˚F to +325˚F







Part Number	Basic Bore Size	Ø B +.0000 -.0010	Ø D CRES +.0000/-.0005 Aluminum ±.0005			Approx. Weight Pounds (L=1.000)	
			Nominal Size	T (.010 Oversize)	U (.020 Oversize)	CRES	Aluminum
PT5( )004XX	04	.2515	.3760	.3860	.3960	.016	.006
PT5( )005XX	05	.3140	.4386	.4486	.4586	.019	.007
PT5( )006XX	06	.3765	.5012	.5112	.5212	.022	.008
PT5( )007XX	07	.4390	.5638	.5738	.5838	.025	.009
PT5( )008XX	08	.5015	.6265	.6365	.6465	.028	.011
PT5( )009XX	09	.5640	.6892	.6992	.7092	.031	.012
PT5( )010XX	10	.6265	.8142	.8242	.8342	.056	.021
PT5( )011XX	11	.6890	.8767	.8867	.8967	.060	.022
PT5( )012XX	12	.7515	.9393	.9493	.9593	.065	.024
PT5( )014XX	14	.8765	1.0645	1.0745	1.0845	.075	.028
PT5( )016XX	16	1.0015	1.1898	1.1998	1.2098	.084	.031
PT5( )018XX	18	1.1265	1.3148	1.3248	1.3348	.094	.035
PT5( )020XX	20	1.2515	1.4398	1.4498	1.4598	.103	.038
PT5( )022XX	22	1.3765	1.5648	1.5748	1.5848	.113	.041
PT5( )024XX	24	1.5015	1.7523	1.7623	1.7723	.171	.062
PT5( )026XX	26	1.6265	1.8773	1.8873	1.8973	.183	.067
PT5( )028XX	28	1.7515	2.0023	2.0123	2.0223	.196	.071
PT5( )032XX	32	2.0015	2.2523	2.2623	2.2723	.222	.081

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PT5M0BBXX SERIES (CONTINUED)
SELF-LUBRICATED, AEROSPACE STANDARD AS81934/1 (MIL-B-81934/1), PLAIN SLEEVE BEARINGS

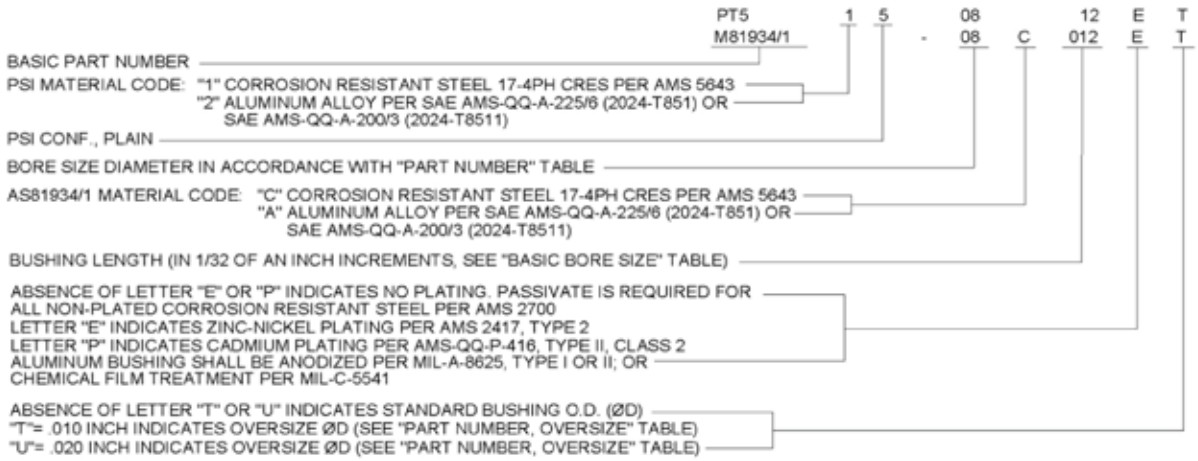
Operating temperature -65°F to +325°F

	Length L +.000/-.010																												
Basic Bore Size	**.156**	**.187**	**.218**	**.250**	**.281**	**.312**	**.343**	**.375**	**.437**	**.500**	**.562**	**.625**	**.687**	**.750**	**.875**	**1.000**	**1.125**	**1.250**	**1.375**	**1.500**	**1.625**	**1.750**	**1.875**	**2.000**	**2.125**	**2.250**	**2.375**	**2.500**	**2.750**	**3.000**
04	05	06	07	08	09	10	11	12	14																				
05	05	06	07	08	09	10	11	12	14	16	18																		
06	05	06	07	08	09	10	11	12	14	16	18	20	22																
07	05	06	07	08	09	10	11	12	14	16	18	20	22	24	28														
08	05	06	07	08	09	10	11	12	14	16	18	20	22	24	28														
09	05	06	07	08	09	10	11	12	14	16	18	20	22	24	28	32	36												
10	05	06	07	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

MATERIAL:
CRES BUSHING: 17-4PH PER AMS 5643, COND. H-1150
ALUMINUM BUSHING: ALUM. ALLOY PER AMS-QQ-A-225/6 OR AMS-QQ-A-200/3
LINER: POLYMERIC / COMPOSITE

SURFACE TREATMENT:
CRES BUSHING: PASSIVATE FOR NON-PLATED, CADMIUM OR ZINC NICKEL PLATED
ALUMINUM BUSHING: ANODIZE OR CHEMICAL FILM TREATMENT

EXAMPLE OF PSI AND AEROSPACE STANDARD PART NUMBER CALL OUT



NOTE:
STATIC LIMIT LOAD (PER AS81934/1): ALUMINUM = 50,000 B X (L - .1) [LBS]
CRES = 78,500 B X (L - .1) [LBS]

CONTACT REXNORD AEROSPACE ENGINEERING FOR MORE INFORMATION.

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REXLON 2000 SELF-LUBRICATION LINER MATERIALS INTRODUCTION

Rexnord PSI Aerospace Rexlon 2000 Self-Lubrication Liner Material

Rexlon 2000 Self-Lubrication Liner Material provides plain bearings with sufficient wear resistance from corrosion, fretting and galling to function reliably in demanding aerospace and specialty industrial applications. Rexnord offers two types of Rexlon 2000 Self-Lubrication Liner Material surface treatments: Rexlon 2000 Type III and Rexlon 2000 LF (Low Friction). Our engineering focus has resulted in the ongoing development of a family of Rexlon 2000 Self-Lubrication products.

Rexlon 2000 Self-Lubrication Liner Material is a polymeric, composite, self-lubricating material for plain bearings that is qualified to AS81934, AS81820, Boeing BMS3-39, and Lockheed LMA-MR018.

The material is homogeneous, offering full machinability and can be used in operating environments with a temperature range of -67˚ F (-55˚ C) to + 440˚ F (227˚ C).

It has achieved wear values of less than .001 inch (0.025 mm) under loading of 50,000 psi (345 MPa) for 25,000 cycles. The value is significantly below the AS81934 allowable wear of .0045 inch (0.114 mm). Rexlon 2000 Self-Lubrication Liner Material has a lower coefficient of friction than traditional fabric-backed liners and the coefficient of friction decreases as the loads increase.

Rexnord Aerospace provides a wide spectrum of engineering assistance to its customers. Our engineers and application specialists have more than 40 years of experience in self-lubricated bearing technology applications and testing.

Rexlon 2000 Self-Lubrication Liner Material depicted in blue above on plain bearings and track roller.

Rexlon 2000 Self-Lubrication Liner Material provides plain bearings (shown above) with sufficient wear resistance from corrosion, fretting and galling.

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REXLON 2000 TYPE III
SELF-LUBRICATION LINER MATERIAL

A. PRODUCT DESCRIPTION

Rexlon 2000 Type III is a polymeric composite self-lubricating material designed for plain bearings and other load carrying moving components requiring low friction and wear, providing long life with reliability in a variety of environments. Rexlon 2000 Type III is machinable, and or honeable after application.

B. PERFORMANCE CHARACTERISTICS OBTAINABLE

- Load: Dynamic 50,000 psi (345 MPa)
  Static limit 80,000 psi (550 MPa)
  Static ultimate 120,000 psi (825 MPa)
- Surface speed: Up to 24 FPM (0.12 meters/sec)
- Nominal thickness: .010 to .015 inch (0.25 to 0.38 mm)
- Maximum thickness: .050 inch (1.27 mm)
- Operating temperature: -67° F to +440° F (-55° C to +225° C) (depending on surface speed and load)
- Wear: Less than .0010 inch at 50,000 psi load (0.025 mm at 345 MPa), ± 25° oscillation angle and 25,000 cycles
- Coefficient of friction: 0.03-0.20 (depending on load, motion, temperature and contaminant)
- Resistant to:

Skydrol 500B-4	MIL-H-83282
MIL-H-5606	MIL-A-8243
MIL-L-7808	Hyjet IVA+
JP-4	TT-S-735 type VII
BMS3-33	Water

C. TYPICAL PRODUCT PROPERTIES

- Hardness: Rockwell M scale: 100-110
- Color and appearance: Dark gray through green brown
- Density: .054 lb/in^3 (1.50 g/cm^3)
- Specific gravity: 1.5

D. APPLICABLE SPECIFICATIONS

- SAE AS81934 Approved
  Bearings- Sleeve, Plain and Flanged, Self-Lubricating, -65° F to +325° F (-54° C to +163° C)
- SAE AS81820 Approved
  Bearings, Plain, Self-Aligning, Self-Lubricating, Low Speed Oscillation, -65° F to +325° F (-54° C to +163° C)
- Boeing BMS3-39 Approved
  Self-Lubricating Liner

E. BROAD APPLICATION OF REXLON 2000 Type III

- Airframe:
  Fixed wing — landing gear, actuators, control rods
  Rotary wing — swash plate controls
- Jet engines: engine controls
- Industrial machinery: toggle mechanisms, butterfly valves
- Off road vehicles: steering linkage, thrust bearings
- Cargo handling: cargo rollers
- Railroads: hand brakes and couplers
- Energy systems: stationary engine controls
- Exercise and leisure products: pivot joints

This document is to be considered a guide only. For specific application information, please contact Rexnord Aerospace Engineering at (805) 583-5514.

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REXLON 2000 LF (Low Friction) SELF-LUBRICATION LINER MATERIAL

A. PRODUCT DESCRIPTION

Rexlon 2000 LF is a polymeric composite self lubricating material designed for plain bearings and other load carrying moving components requiring low friction and wear, providing long life with reliability in a variety of environments including subzero temperatures. Rexlon 2000 LF is machinable and or honeable after application.

B. PERFORMANCE CHARACTERISTICS OBTAINABLE

- Load: Dynamic 25,000 psi (175 MPa)
  Static limit 60,000 psi (414 MPa)
  Static ultimate 90,000 psi (620 MPa)
- Surface speed: Up to 10 feet per minute (0.05 meters/sec)
- Nominal thickness: 0.010 to 0.015 inch (0.25 to 0.38 mm)
- Maximum thickness: 0.050 inch (1.27 mm)
- Operating temperature: -67° F to +250° F (-55° C to +120° C) (depending on surface speed and load)
- Wear: Less than 0.002 inch at 25,000 psi load (0.051 mm at 175 MPa load), ± 25° oscillation angle and 25,000 cycles
- Coefficient of friction: 0.02–0.18 (ambient to -67° F and +250° F (-55° C and +120° C)) under 1,450 psi to 14,500 psi (10 MPa to 100 MPa) load)
- Resistant to:

Skydrol 500B-4	MIL-H-83282
MIL-H-5606	MIL-A-8243
MIL-L-7808	Hyjet IVA+
JP-4	TT-S-735 type VII
BMS3-33	Water

C. TYPICAL PRODUCT PROPERTIES

- Hardness: Rockwell M scale: 80-100
- Color and appearance: Dark gray through green brown.
- Density: .050 lb/in^3 (1.38 g/cm^3)
- Specific gravity: 1.4

D. APPLICABLE SPECIFICATIONS

- Meets and exceeds the requirements of AS8943
- Meets and exceeds the requirements of Track Roller Specification BPS-B-173

E. BROAD APPLICATION OF REXLON 2000 LF

- Airframe:
  Fixed wing — actuators, control rods, flight control hinge pins and strut sleeves

- Cargo Rollers
- Energy Systems
- Thrust Bearings
- Track Rollers
- Steering Linkages
- Butterfly Valves

This document is to be considered a guide only. For specific application information, please contact Rexnord Aerospace Engineering at (805) 583-5514.

Rexnord PSI Aerospace Bearings

Since 1946, Rexnord Aerospace has satisfied the needs and critical demands of the aerospace industry with exceptional, high-quality PSI Bearing solutions and innovative engineering.

By continually enhancing the technology and design of our bearings, we are able to apply innovation to challenging new and existing applications, including:

- Military, fixed and rotary wing aerospace vehicles
- Airframes
- Landing gear
- Power plants
- And more!

Every bearing is the result of advanced computer-aided design, exhaustive and comprehensive in-house testing, and state-of-the-art manufacturing methods. Our focus on technology allows us to meet unique requirements with high-quality bearings at reasonable costs.

Rexnord Aerospace's product portfolio also includes Rexnord Seals for optimum leak protection in many different operating environments, and Rexnord Shafer® Bearings for extreme performance under severe operating conditions. Rexnord Aerospace engineers design optimum solutions for some of the most complex operating parameters. Our designs are intended to bring significant customer value, long life and product life services.

To learn more about Rexnord PSI Aerospace Bearings and how they can
get you where you need to be, go to **www.rexnord.com**
805-583-5514 (For Rexnord PSI Aerospace products)
All Other Inquiries: 866-REXNORD/866-739-6673 (toll-free within the U.S.) or 414-643-2366 (Outside the U.S.)

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www.rexnord.com

Why Choose Rexnord?

When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Commitment to customer satisfaction and superior value extend across every business function.

Delivering Lowest Total Cost of Ownership

The highest quality products are designed to help prevent equipment downtime and increase productivity and dependable operation.

Valuable Expertise

An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.

Solutions to Enhance Ease of Doing Business

Commitment to operational excellence ensures the right products at the right place at the right time.

REXNORD

Rexnord Company Overview
Rexnord is a growth-oriented, multi-platform industrial company with leading market shares and highly trusted brands that serve a diverse array of global end markets.

Process & Motion Control
The Rexnord Process & Motion Control platform designs, manufactures, markets and services specified, highly engineered mechanical components used within complex systems where our customers' reliability requirements and the cost of failure or downtime are extremely high.

Water Management
The Rexnord Water Management platform designs, procures, manufactures and markets products that provide and enhance water quality, safety, flow control and conservation.

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