



**ARYT-E, ARYT**

Rod End Bearings - Self -Lubricating  
3 Piece, High Misalignment, Male & Female

Plating: When specified in materials block, body Cadmium plated all surfaces per QQ-P-416, Type I, Class 2.

Dimensions: Dimensions apply after plating.

Option: 1. For left hand threads add "L" to prefix.

Examples: ARYTL4E or ARYTL4.

2. For keyway or keyslot options, add suffix "W" to part number.

3. For "J" from threads per MIL-S-8879, add suffix "J" to part number.

Examples: ARYT12JW or ARYT12J.

4. To specify CRES 17-4PH race material, add suffix "H" to designation.

Examples: ARYT8ECRH or ARYT8CRH.

Notes: UNF-3A = Male Thread, UNF-3B = Female Thread

**MATERIALS**

Part No.	Ball	Race	Liner	Body
Basic No.	CRES 440C, RC 55-62	CRES 410 Heat Treated	*Teflon/Fabric Permanently Bonded to race I.D.	C.M. STL, Heat Treated Cad. Plated
No. + CR	CRES 440C, RC 55-62	CRES 410 Heat Treated	*Teflon/Fabric Permanently Bonded to race I.D.	CRES 17-4PH, Heat Treated

NMB Part Number	(B) Bore Diameter		(D) Head Diameter		(W) Ball Width		(H) Body Width		(O) Shoulder Diameter		(F) Ball C/L to End		(E) Thread Size	(Q) Misalign-ment				
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm						
	+0.000	+0.000	+0.10	+0.25	+0.00	+0.00	+0.05	+0.13	Ref.	Ref.	Ref.	Ref.	+0.031	+0.79	UNF-3A			
ARYT3E ARYT3	.1900	4.826	.750	19.05	.500	12.70	.220	5.59	.319	8.10	.437	11.10	1.500	38.10	1.375	34.92	1/16-24	15°
ARYT4E ARYT4	.2500	6.350	1.000	25.40	.593	15.06	.265	6.73	.390	9.91	.593	15.06	1.938	49.22	1.625	41.28	1/16-24	23°
ARYT5E ARYT5	.3125	7.938	1.125	28.58	.813	20.65	.355	9.02	.512	13.00	.781	19.84	2.125	53.98	1.812	46.02	1/16-20	22°
ARYT6E ARYT6	.3750	9.525	1.125	28.58	.813	20.65	.355	9.02	.512	13.00	.781	19.84	2.125	53.98	1.812	46.02	1/16-20	22°
ARYT7E ARYT7	.4375	11.112	1.312	33.32	.875	22.22	.355	9.02	.618	15.70	.875	22.22	2.438	61.93	2.125	52.98	1/2-20	21°
ARYT8E ARYT8	.5000	12.700	1.500	38.10	.937	23.80	.411	10.44	.730	18.54	1.000	25.40	2.625	66.68	2.625	66.68	1/8-18	19°
ARYT10E ARYT10	.6250	15.875	1.7500	44.45	1.200	30.48	.577	14.66	.856	21.74	1.250	31.75	2.875	73.02	2.875	73.02	1/4-16	19°
ARYT12E ARYT12	.7500	19.050	2.000	50.80	1.280	32.51	.630	16.00	.970	24.64	1.375	34.92	3.375	85.72	3.375	86.72	1/4-14	18°
ARYT14E ARYT14	.8750	22.225	2.200	55.88	1.400	35.56	.635	16.13	1.140	28.96	1.531	38.89	3.750	95.25	3.750	95.25	1/4-14	17°
ARYT16E ARYT16	1.000	25.400	2.750	69.85	1.875	47.62	.845	21.46	1.278	32.46	1.875	47.62	4.125	104.78	4.125	104.78	1/4-12	20°
ARYT20E ARYT20	1.2500	31.750	3.125	79.38	1.875	47.62	1.015	25.78	1.523	38.68	2.250	57.15	5.000	127.00	5.000	127.00	1/4-12	20°

\* A trade name of E.I. duPont de Nemours & Co., Inc.

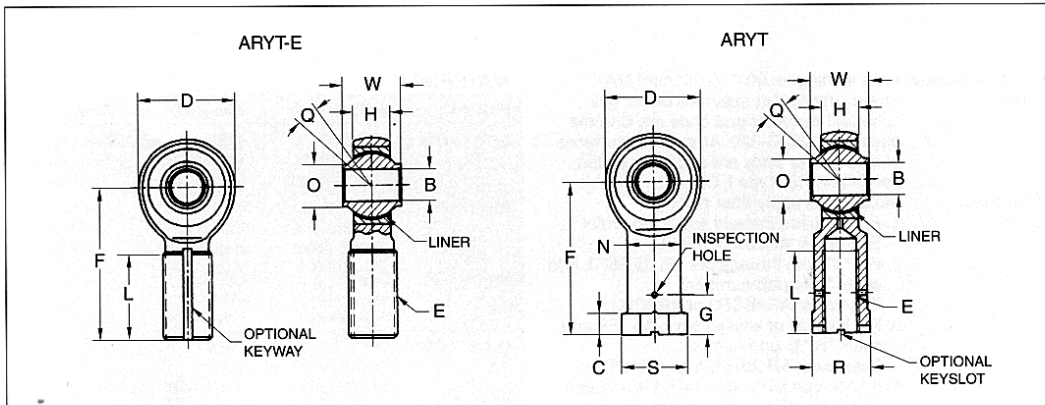
See next sheet for further information

The information contained in this data sheet represents typical performance of the product, and is subject to change without notice. Product performance may be varied or enhanced to meet individual requirements. For further information please contact your local sales office



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(L)		(N)		(R)		(S)		(C)		(G)		No Load Rotational Breakaway Torque		Limit Static Radial Load		Approx. Weight	
Thread Length		Shank Diameter		Wrench Flat		Flange Diameter		Flange Thickness		Drill C/L to End		In-lb	N-m	lbs	N	lbs	kg
Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm						
+0.062	+1.57	+0.010	+0.25	+0.002	+0.05	Ref.	Ref.	+0.010	+0.25	Ref.	Ref.						
-0.031	-0.79	-0.010	-0.25	-0.010	-0.25			-0.062	-1.57								
1.000	25.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.07	0.032
.750	19.05	.437	11.10	.437	11.10	.500	12.70	.250	6.35	.375	9.52	5-6	0.06-0.68	4060	18059	.06	0.027
1.250	31.75	—	—	—	—	—	—	—	—	—	—	1-15	0.11-1.70	7040	31314	.11	0.050
.937	23.80	.562	14.27	.562	14.27	.625	15.88	.250	6.35	.437	11.10					.11	0.050
1.375	34.92	—	—	—	—	—	—	—	—	—	—	1-15	0.11-1.70	8260	36740	.16	0.073
1.062	26.97	.625	15.88	.625	15.88	.688	17.48	.250	6.35	.500	12.70					.18	0.082
1.375	34.92	—	—	—	—	—	—	—	—	—	—	1-15	0.11-1.70	8260	36740	.15	0.068
1.062	26.97	.625	15.88	.625	15.88	.688	17.48	.250	6.35	.500	12.70					.17	0.077
1.500	38.10	—	—	—	—	—	—	—	—	—	—	1-15	0.11-1.70	12420	55244	.25	0.113
1.125	28.58	.750	19.05	.750	19.05	.812	20.62	.250	6.35	.562	14.27					.26	0.118
1.625	41.28	—	—	—	—	—	—	—	—	—	—	1-15	0.11-1.70	17430	77529	.39	0.177
1.500	38.10	.875	22.22	.875	22.22	.938	23.82	.375	9.52	.687	17.45					.40	0.181
1.750	44.45	—	—	—	—	—	—	—	—	—	—	1-15	0.11-1.70	23620	105062	.62	0.281
1.750	44.45	1.000	25.40	1.000	25.40	1.125	28.58	.375	9.52	.812	20.62					.63	0.286
1.875	47.62	—	—	—	—	—	—	—	—	—	—	1-15	0.11-1.70	30550	135886	.90	0.408
1.875	47.62	1.125	28.58	1.125	28.58	1.250	31.75	.500	12.70	.937	23.80					.87	0.395
2.000	50.80	—	—	—	—	—	—	—	—	—	—	1-15	0.11-1.70	31970	142203	1.08	0.490
2.000	50.80	1.125	28.58	1.125	28.58	1.250	31.75	.500	12.70	.937	23.80					1.01	0.458
2.125	53.98	—	—	—	—	—	—	—	—	—	—	1-24	0.11-2.71	59510	264700	2.20	0.998
2.125	53.98	1.688	42.88	1.688	42.88	1.813	46.05	.562	14.27	1.312	33.32					2.31	1.048
2.875	73.02	—	—	—	—	—	—	—	—	—	—	1-24	0.11-2.71	70060	311627	3.10	1.046
3.125	79.38	1.688	42.88	1.688	42.88	1.813	46.05	.562	14.27	1.312	33.32					3.15	1.429

Self-Lubricating Rod End Bearing

[ARYT-E, ARYT]

The information on this sheet is a continuation of the data on the previous sheet to cross reference the data, place two sheets next to each other