



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 AMS-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.

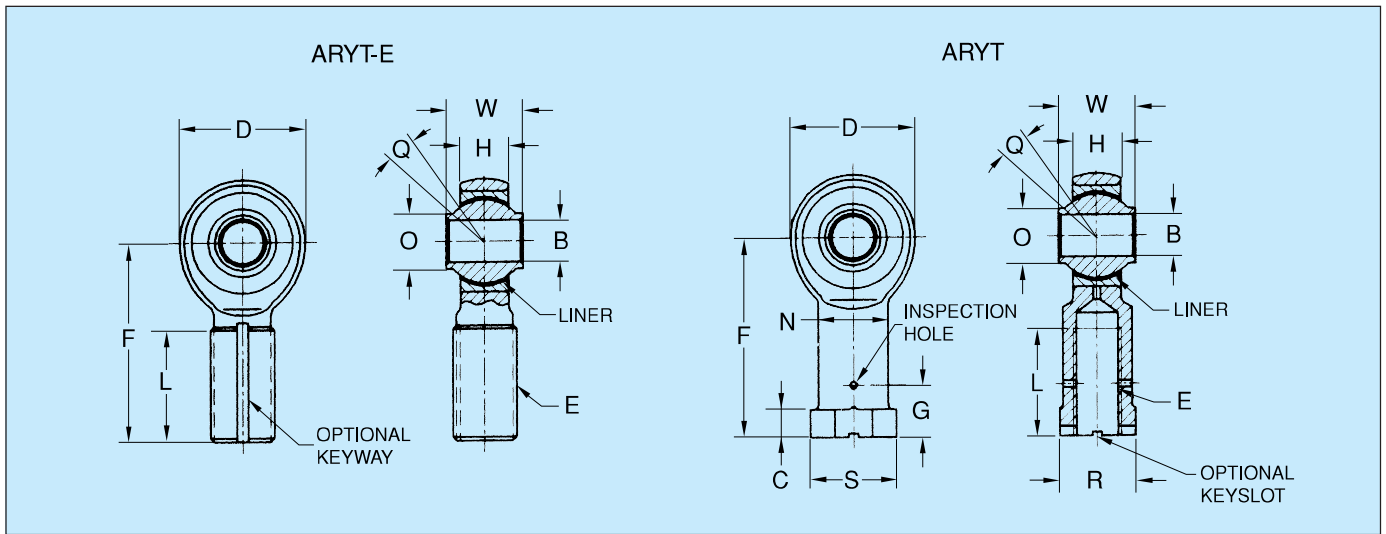
Notes: UNF-3A = Male Thread, UNF-3B = Female Thread

MATERIALS

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

NMB Part Number	(B)		(D)		(W)		(H)		(O)				(F)		(E)		(Q)
	Bore Diameter		Head Diameter		Ball Width		Body Width		Shoulder Diameter		Ball Diameter		Ball C/L to End		Thread Size	Misalign-ment	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm			
	+0.0000	+0.000	+0.010	+0.25	+0.000	+0.00	+0.005	+0.13					+0.031	+0.79	UNF-3A		
	-0.0005	-0.013	-0.010	-0.25	-0.005	-0.13	-0.005	-0.13	Ref.	Ref.	Ref.	Ref.	-0.031	-0.79	UNF-3B	Ref.	
ARYT3E ARYT3	.1900	4.826	.750	19.05	.500	12.70	.220	5.59	.319	8.10	.437	11.10	1.500	38.10	5/16-24	13°	
													1.375	34.92			
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	3/8-24	23°	
													1.625	41.28			
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	7/16-20	22°	
													1.812	46.02			
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	7/16-20	22°	
													1.812	46.02			
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	1/2-20	21°	
													2.125	52.98			
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	5/8-18	19°	
													2.625	66.68			
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	3/4-16	19°	
													2.875	73.02			
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	7/8-14	18°	
													3.375	86.72			
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	7/8-14	17°	
													3.750	95.25			
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	1 1/4-12	20°	
													4.125	104.78			
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	1 1/4-12	20°	
													5.000	127.00			

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



(L) Thread Length		(N) Shank Diameter		(R) Wrench Flat		(S) Flange Diameter		(C) Flange Thickness		(G) Drill C/L to End		No Load Rotational Breakaway Torque		Limit Static Radial Load		Approx. Weight	
Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	In-lb	N-m	lbs	N	lbs	kg
+.062	+1.57	+.010	+0.25	+.002	+0.05			+.010	+0.25								
-.031	-0.79	-.010	-0.25	-.010	-0.25	Ref.	Ref.	-.062	-1.57	Ref.	Ref.						
1.000	25.40	—	—	—	—	—	—	—	—	—	—	.5-6	0.06-0.68	4060	18059	.07	0.032
.750	19.05	.437	11.10	.437	11.10	.500	12.70	.250	6.35	.375	9.52					.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