



# 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.

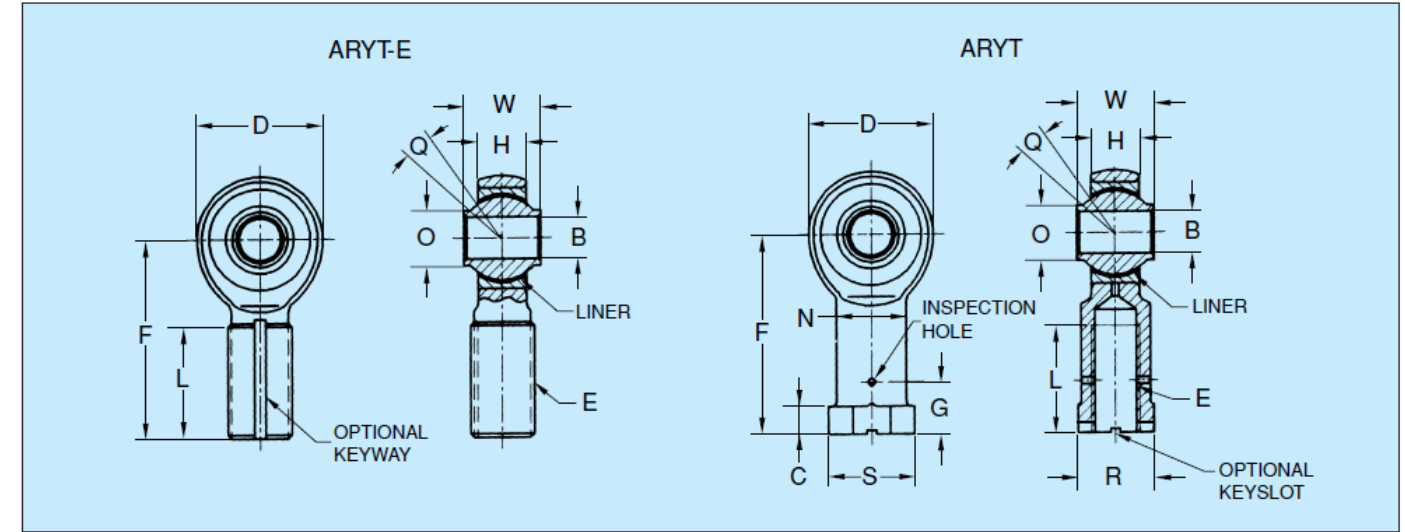
Dimensions: Dimensions apply after plating.

- Option:
- For left hand threads add "L" to prefix. Examples: ARYTL4E or ARYTL4.
  - For keyway or keyslot options, add suffix "W" to part number.
  - For "J" from threads per MIL-S-8879, add suffix "J" to part number. Examples: ARYT12JW or ARYT12J.
  - 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) Bore Diameter		(D) Head Diameter		(W) Ball Width		(H) Body Width		(O) Shoulder Diameter		(F) Ball C/L to End		(E) Thread Size	(Q) Misalignment	(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			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lbs	N	lbs	kg
	+0.000	+0.000	+0.010	+0.25	+0.000	+0.00	+0.005	+0.13	Ref.	Ref.	Ref.	Ref.			+0.031	+0.79	UNF-3A		+0.062	+1.57	+0.010	+0.25	+0.002	+0.05	Ref.	Ref.	+0.010	+0.25	Ref.	Ref.	In-lb	N-m	lbs	N
ARYT3E ARYT3	.1900	4.826	.750	19.05	.500	12.70	.220	5.59	.319	8.10	.437	11.10	1.500 1.375	38.10 34.92	5/16-24	13°	1.000 .750	25.40 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	.07 .06	0.032 0.027
ARYT4E ARYT4	.2500	6.350	1.000	25.40	.593	15.06	.265	6.73	.390	9.91	.593	15.06	1.938 1.625	49.22 41.28	3/8-24	23°	1.250 .937	31.75 23.80	.562	14.27	.562	14.27	.625	15.88	.250	6.35	.437	11.10	1-15	0.11-1.70	7040	31314	.11 .11	0.050 0.050
ARYT5E ARYT5	.3125	7.938	1.125	28.58	.813	20.65	.355	9.02	.512	13.00	.781	19.84	2.125 1.812	53.98 46.02	7/16-20	22°	1.375 1.062	34.92 26.97	.625	15.88	.625	15.88	.688	17.48	.250	6.35	.500	12.70	1-15	0.11-1.70	8260	36740	.16 .18	0.073 0.082
ARYT6E ARYT6	.3750	9.525	1.125	28.58	.813	20.65	.355	9.02	.512	13.00	.781	19.84	2.125 1.812	53.98 46.02	7/16-20	22°	1.375 1.062	34.92 26.97	.625	15.88	.625	15.88	.688	17.48	.250	6.35	.500	12.70	1-15	0.11-1.70	8260	36740	.15 .17	0.068 0.077
ARYT7E ARYT7	.4375	11.112	1.312	33.32	.875	22.22	.355	9.02	.618	15.70	.875	22.22	2.438 2.125	61.93 52.98	1/2-20	21°	1.500 1.125	38.10 28.58	.750	19.05	.750	19.05	.812	20.62	.250	6.35	.562	14.27	1-15	0.11-1.70	12420	55244	.25 .26	0.113 0.118
ARYT8E ARYT8	.5000	12.700	1.500	38.10	.937	23.80	.411	10.44	.730	18.54	1.000	25.40	2.625 2.625	66.68 66.68	5/8-18	19°	1.625 1.500	41.28 38.10	.875	22.22	.875	22.22	.938	23.82	.375	9.52	.687	17.45	1-15	0.11-1.70	17430	77529	.39 .40	0.177 0.181
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 2.875	73.02 73.02	3/4-16	19°	1.750 1.750	44.45 44.45	1.000	25.40	1.000	25.40	1.125	28.58	.375	9.52	.812	20.62	1-15	0.11-1.70	23620	105062	.62 .63	0.281 0.286
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 3.375	85.72 86.72	7/8-14	18°	1.875 1.875	47.62 47.62	1.125	28.58	1.125	28.58	1.250	31.75	.500	12.70	.937	23.80	1-15	0.11-1.70	30550	135886	.90 .87	0.408 0.395
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 3.750	95.25 95.25	7/8-14	17°	2.000 2.000	50.80 50.80	1.125	28.58	1.125	28.58	1.250	31.75	.500	12.70	.937	23.80	1-15	0.11-1.70	31970	142203	1.08 1.01	0.490 0.458
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 4.125	104.78 104.78	1 1/4-12	20°	2.125 2.125	53.98 53.98	1.688	42.88	1.688	42.88	1.813	46.05	.562	14.27	1.312	33.32	1-24	0.11-2.71	59510	264700	2.20 2.31	0.998 1.048
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 5.000	127.00 127.00	1 1/4-12	20°	2.875 3.125	73.02 79.38	1.688	42.88	1.688	42.88	1.813	46.05	.562	14.27	1.312	33.32	1-24	0.11-2.71	70060	311627	3.10 3.15	1.046 1.429

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