



ARHT-E, ARHT

Rod End Bearings - Self-Lubricating
3 Piece, Heavy Duty, 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: ARHTL4E or ARHTL4.

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

3. For "J" from threads per AS8879, add suffix "J" to part number. Examples: ARHT10EJW or ARHT10JW.

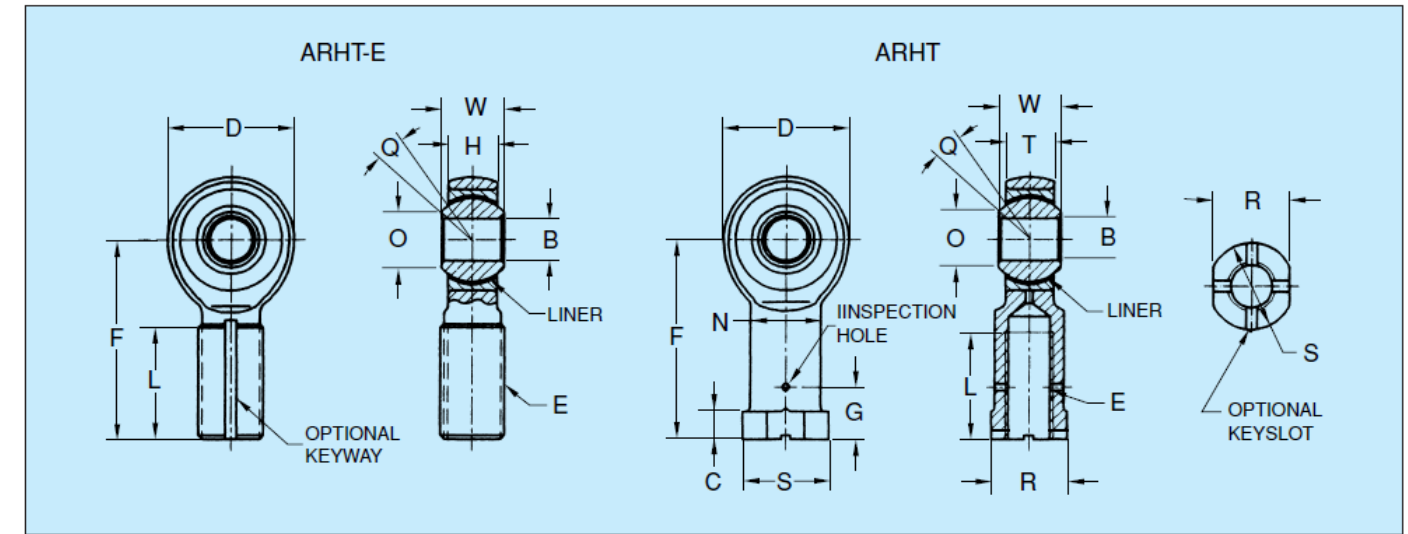
4. To specify CRES 17-4PH race material, add suffix "H" to designation.

Examples: ARHT8ECRH or ARHT8CRH.

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

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) Ball Diameter		(F) Shoulder Diameter		(E) Ball C/L to End		(Q) Thread Size	(O) Misalign-ment	(L) Thread Length		(L) Thread Depth		(G) Drill C/L To End		(N) Shank Diameter		(S) Flange Diameter		(C) Flange Thickness		(R) Wrench Flat		No Load Rotational Breakaway Torque		Ultimate Static Radial Load		Axial Static Proof Load		Approx. Weight			
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm			UNF-3A	UNF-3B	Ref.	Ref.	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	In-lb	N-m	Inch	mm	In-lb	N-m	lbs	N	lbs	N
ARHT4E ARHT4	.2500 +0.000 -0.0005	6.350 +0.000 -0.013	.806 +0.010 .010	20.47 +0.25 -0.25	.375 +0.000 -0.002	9.52 +0.00 -0.05	.337 +0.005 -0.005	8.56 +0.13 -0.13	.531 Ref.	13.49 Ref.	.375 Ref.	9.52 Ref.	1.562 +0.010 -0.10	39.67 +0.25 -0.25	1.469 UNF-3A UNF-3B	5° Ref.	.968 +0.031 -0.031	24.59 +0.79 -0.79	— Min.	— Min.	— Ref.	— Ref.	— +0.010 -0.010	— +0.25 -0.25	— Ref.	— Ref.	— +0.010 -0.010	— +0.25 -0.25	— +0.02 -0.010	— +0.05 -0.025	.5 1-10	12.70 0.11-1.13	7550 9200	33582 40922	1000 1100	4448 4893	.067 .095	0.030 0.043	.084 .102	0.038 0.046
ARHT5E ARHT5	.3125	7.938	.900	22.86	.437	11.10	.327	8.31	.593	15.06	.401	10.18	1.875 1.625	47.62 41.28	1.625 UNF-24	14°	1.187 —	30.15 —	— 1.000	— 25.40	— .500	— 12.70	— .610	— 15.49	— .687	— 17.45	— .250	— 6.35	— .625	— 15.88	— 1-10	— 0.11-1.13	9200 10900	40922 48483	1100 1660	4893 7384	.095 .140	0.043 0.064	.102 .160	0.046 0.073
ARHT6E ARHT6	.3750	9.525	1.025	26.04	.500	12.70	.416	10.57	.687	17.45	.471	11.96	1.938 1.812	49.23 46.02	1.812 7/16-20	9°	1.187 —	30.15 —	— 1.000	— 25.40	— .500	— 12.70	— .610	— 15.49	— .687	— 17.45	— .250	— 6.35	— .625	— 15.88	— 1-10	— 0.11-1.13	10900 14050	48483 62494	1660 1850	7384 8229	.140 .210	0.064 0.095	.160 .230	0.073 0.104
ARHT7E ARHT7	.4375	11.112	1.150	29.21	.562	14.27	.452	11.48	.781	19.84	.542	13.77	2.125 2.000	53.98 50.80	2.000 1/2-20	10°	1.281 —	32.54 —	— 1.125	— 28.58	— .562	— 14.27	— .735	— 18.67	— .875	— 22.22	— .250	— 6.35	— .750	— 19.05	— 1-10	— 0.11-1.13	14050 14050	62494 62494	1850 1850	8229 8229	.210 .230	0.095 0.104	.230 .230	0.104 0.104
ARHT8E ARHT8	.5000	12.700	1.337	33.96	.625	15.88	.515	13.08	.875	22.22	.612	15.54	2.438 2.250	61.93 57.15	2.250 5/8-18	9°	1.468 —	37.29 —	— 1.250	— 31.75	— .687	— 17.45	— .860	— 21.84	— 1.000	— 25.40	— .250	— 6.35	— .875	— 22.22	— 1-10	— 0.11-1.13	23400 23400	104083 104083	2040 2040	9074 9074	.330 .340	0.150 0.154	.340 .340	0.154 0.154
ARHT10E ARHT10	.6250	15.875	1.525	38.74	.750	19.05	.577	14.66	1.062	26.97	.752	19.10	2.625 2.500	66.68 63.50	2.500 3/4-16	12°	1.562 —	39.67 —	— 1.375	— 34.92	— .812	— 20.62	— .985	— 25.02	— 1.125	— 28.58	— .375	— 9.52	— 1.000	— 25.40	— 1-10	— 0.11-1.13	26050 26050	115870 115870	2430 2430	10809 10809	.480 .490	0.218 0.222	.490 .490	0.222 0.222
ARHT12E ARHT12	.7500	19.050	1.775	45.08	.875	22.22	.640	16.26	1.250	31.75	.892	22.66	2.875 2.875	73.02 73.02	2.875 7/8-14	13°	1.687 —	42.85 —	— 1.625	— 41.28	— .937	— 23.80	— 1.110	— 28.19	— 1.250	— 31.75	— .375	— 9.52	— 1.125	— 28.58	— 1-10	— 0.11-1.13	34500 34500	153456 153456	2810 2810	12499 12499	.730 .740	0.331 0.336	.740 .740	0.336 0.336

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