



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.

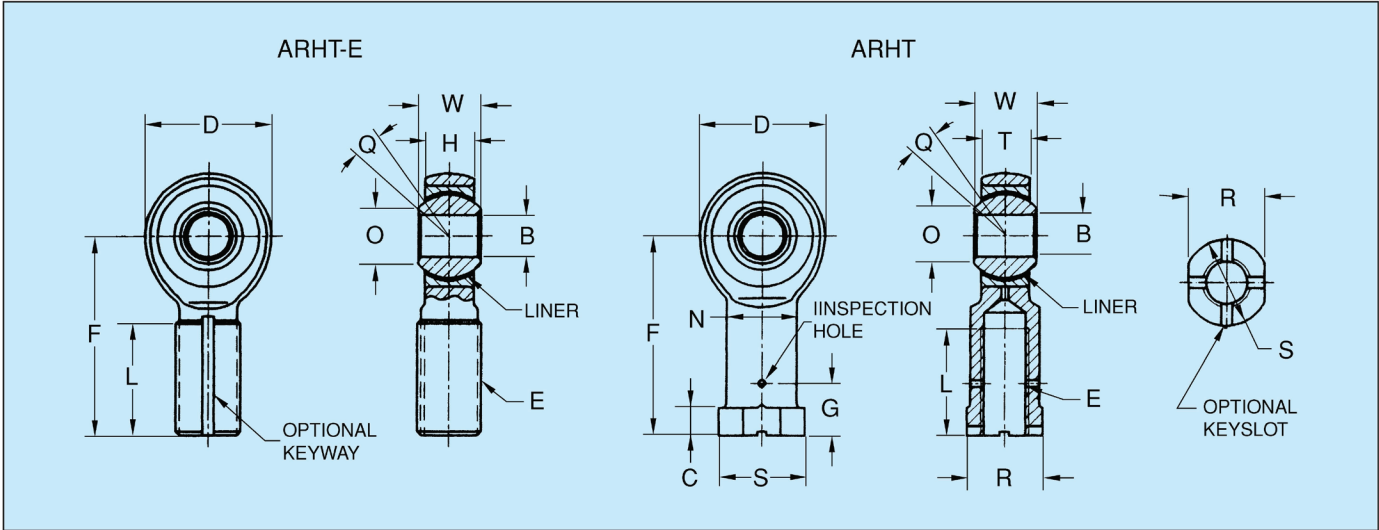
Dimensions: Dimensions apply after plating.

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



(B)		(D)		(W)		(H)		(O)		(F)		(E)	(Q)
NMB Part Number		Bore Diameter		Head Diameter		Ball Width		Body Width		Ball Diameter		Shoulder Diameter	Misalign-ment
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	
		+0.000	+0.000	+0.010	+0.25	+0.000	+0.00	+0.005	+0.13	+0.010	+0.25	UNF-3A	
		-0.0005	-0.013	.010	-0.25	-0.002	-0.05	-0.005	-0.13	-0.010	-0.25	UNF-3B	Ref.
ARHT4E	ARHT4	.2500	6.350	.806	20.47	.375	9.52	.337	8.56	.531	13.49	.375	9.52
										1.562	39.67		5°
										1.469	37.31		
ARHT5E	ARHT5	.3125	7.938	.900	22.86	.437	11.10	.327	8.31	.593	15.06	.401	10.18
										1.875	47.62		14°
										1.625	41.28		
ARHT6E	ARHT6	.3750	9.525	1.025	26.04	.500	12.70	.416	10.57	.687	17.45	.471	11.96
										1.938	49.23		9°
										1.812	46.02		
ARHT7E	ARHT7	.4375	11.112	1.150	29.21	.562	14.27	.452	11.48	.781	19.84	.542	13.77
										2.125	53.98		10°
										2.000	50.80		
ARHT8E	ARHT8	.5000	12.700	1.337	33.96	.625	15.88	.515	13.08	.875	22.22	.612	15.54
										2.438	61.93		9°
										2.250	57.15		
ARHT10E	ARHT10	.6250	15.875	1.525	38.74	.750	19.05	.577	14.66	1.062	26.97	.752	19.10
										2.625	66.68		12°
										2.500	63.50		
ARHT12E	ARHT12	.7500	19.050	1.775	45.08	.875	22.22	.640	16.26	1.250	31.75	.892	22.66
										2.875	73.02		13°
										2.875	73.02		

(L)		(L)		(G)		(N)		(S)		(C)		(R)		No Load Rotational Breakaway Torque		Ultimate Static Radial Load		Axial Static Proof Load		Approx. Weight	
Thread Length		Thread Depth		Drill C/L To End		Shank Diameter		Flange Diameter		Flange Thickness		Wrench Flat									
Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	In-lb	N-m	Inch	mm	In-lb	N-m	lbs	N	lbs	N	lbs	kg
+0.031	+0.79			Ref.	Ref.	+0.010	+0.25			+0.010	+0.25	+0.002	+0.05								
-0.031	-0.79	Min.	Min.			-0.010	-0.25	Ref.	Ref.	-0.062	-1.57	-0.010	-0.25								
.968	24.59													.5-6	0.06-0.68	7550	33582	1000	4448	.067	0.030
		.750	19.05	.375	9.52	.485	12.32	.562	14.27	.188	4.78	.500	12.70							.084	0.038
1.187	30.15													1-10	0.11-1.13	9200	40922	1100	4893	.095	0.043
		.875	22.22	.437	11.10	.547	13.89	.625	15.88	.250	6.35	.562	14.27							.102	0.046
1.187	30.15													1-10	0.11-1.13	10900	48483	1660	7384	.140	0.064
		1.000	25.40	.500	12.70	.610	15.49	.687	17.45	.250	6.35	.625	15.88							.160	0.073
1.281	32.54													1-10	0.11-1.13	14050	62494	1850	8229	.210	0.095
		1.125	28.58	.562	14.27	.735	18.67	.875	22.22	.250	6.35	.750	19.05							.230	0.104
1.468	37.29													1-10	0.11-1.13	23400	104083	2040	9074	.330	0.150
		1.250	31.75	.687	17.45	.860	21.84	1.000	25.40	.250	6.35	.875	22.22							.340	0.154
1.562	39.67													1-10	0.11-1.13	26050	115870	2430	10809	.480	0.218
		1.375	34.92	.812	20.62	.985	25.02	1.125	28.58	.375	9.52	1.000	25.40							.490	0.222
1.687	42.85													1-10	0.11-1.13	34500	153456	2810	12499	.730	0.331
		1.625	41.28	.937	23.80	1.110	28.19	1.250	31.75	.375	9.52	1.125	28.58							.740	0.336

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