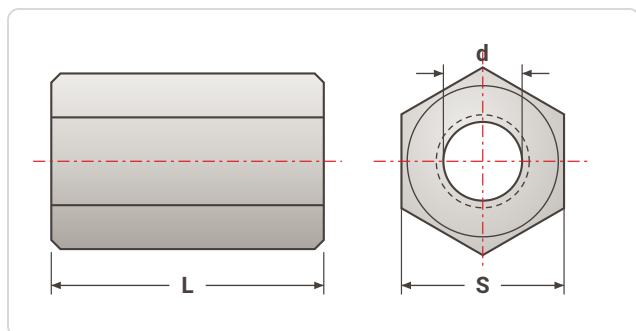




PRODUCT DATA SHEET

Hex Rod Coupling Nuts – Inch Series

1.0 Dimensions As per ASME B18.2.2 & manufacturer design (inches)



- **d** = thread size **S** = width across flats **L** = length
- **Use:** joins two lengths of threaded rod, studs or bolts end to end.
- **Thread fit:** 2B, right hand, threaded full length.
- **Finishes stocked:** zinc plated, plain and hot-dip galvanized steel, and 18-8 stainless steel.



Zinc Plated – USS Coarse (UNC)			
Stock #	Thread Size (d)	Across Flats (S)	Length (L)
RC440716	#4-40	5/16"	7/16"
RC63212	#6-32	5/16"	1/2"
RC83258	#8-32	5/16"	5/8"
RC102434	#10-24	5/16"	3/4"
RC142078	1/4"-20	3/8"	7/8"
RC1420134	1/4"-20	7/16"	1-3/4"
RC51618118	5/16"-18	1/2"	1-1/8"
RC51618134	5/16"-18	1/2"	1-3/4"
RC3816118	3/8"-16	1/2"	1-1/8"
RC3816134	3/8"-16	9/16"	1-3/4"
RC71614114	7/16"-14	9/16"	1-1/4"
RC1213114	1/2"-13	5/8"	1-1/4"
RC1213134	1/2"-13	11/16"	1-3/4"
RC5811218	5/8"-11	13/16"	2-1/8"
RC3410214	3/4"-10	1"	2-1/4"
RC789212	7/8"-9	1-1/4"	2-1/2"
RC18212	1"-8	1-1/4"	2-1/2"
RC18234	1"-8	1-3/8"	2-3/4"
RC1147334	1-1/4"-7	1-7/8"	3-3/4"

Zinc Plated – SAE Fine (UNF)			
Stock #	Thread Size (d)	Across Flats (S)	Length (L)
RC103234	#10-32	5/16"	3/4"
RC142878	1/4"-28	3/8"	7/8"
RC5162478	5/16"-24	7/16"	7/8"
RC3824118	3/8"-24	1/2"	1-1/8"
RC71620114	7/16"-20	9/16"	1-1/4"
RC1220114	1/2"-20	5/8"	1-1/4"
RC5818218	5/8"-18	13/16"	2-1/8"
RC3416214	3/4"-16	1"	2-1/4"
RC7814212	7/8"-14	1-1/4"	2-1/2"

18-8 Stainless Steel – USS Coarse (UNC)		
Stock #	Thread Size (d)	Length (L)
XRC1024	#10-24	3/4"
XRC1420	1/4"-20	7/8"
XRC51618	5/16"-18	1"
XRC3816	3/8"-16	1-1/8"
XRC1213114	1/2"-13	1-1/4"
XRC5811	5/8"-11	1-3/4"
XRC3410	3/4"-10	2"

1.0 Dimensions continued

Hot-Dip Galvanized – USS Coarse (UNC)			
Stock #	Thread Size (d)	Across Flats (S)	Length (L)
GRC3816	3/8"-16	9/16"	1-3/4"
GRC1213	1/2"-13	11/16"	1-3/4"
GRC5811	5/8"-11	13/16"	2-1/8"
GRC3410	3/4"-10	1"	2-1/4"
GRC789	7/8"-9	1-1/4"	2-1/2"
GRC18	1"-8	1-3/8"	2-3/4"
GRC1187	1-1/8"-7	1-1/2"	3"
GRC1147	1-1/4"-7	1-5/8"	3"
GRC1126	1-1/2"-6	2"	4"

Zinc Plated – Reducer Coupling Nuts			
Stock #	Thread Sizes (d)	Across Flats (S)	Length (L)
RRC3814	3/8"-16 × 1/4"-20	1/2"	1"
RRC1238	1/2"-13 × 3/8"-16	5/8"	1-1/4"
RRC5812	5/8"-11 × 1/2"-13	13/16"	1-1/4"
RRC3458	3/4"-10 × 5/8"-11	1"	1-1/2"

Plain Finish – USS Coarse (UNC)			
Stock #	Thread Size (d)	Across Flats (S)	Length (L)
RC11873P	1-1/8"-7	1-1/2"	3"
RC11473P	1-1/4"-7	1-5/8"	3"
RC11264P	1-1/2"-6	2"	4"

- Refer to the Mill Test Reports (MTR) for the tolerances of width across flats and length.
- Reducer coupling nuts have two different thread sizes, one at each end, to join components with different thread sizes.
- Thread fit: 2B.

2.0 Mechanical Properties

Finish	Specification	Proof Load Stress
Plain & Zinc Plated	ASTM A563 Grade A (heavy hex nut proof load)	100,000 PSI (100 ksi)
Hot-Dip Galvanized (tapped oversize)	ASTM A563 Grade A (heavy hex nut proof load)	75,000 PSI (75 ksi)
18-8 Stainless Steel	18-8 (Type 304) austenitic stainless steel	–

Note: Plain, zinc and HDG coupling nuts must meet the heavy hex nut proof load of ASTM A563 Grade A.

3.0 Surface Finish Plain / Zinc / HDG / Stainless

Properties	Zinc Plated	Hot-Dip Galvanized (HDG)	18-8 Stainless
Type	Trivalent (Cr+3), RoHS compliant	Hot-dip zinc coating	Plain – no coating
Color	Clear	Matte grey	Natural stainless
Coating Thickness	0.0001" / 3 microns minimum	3/8" & under: 0.0017" (43 microns) min. Over 3/8": 0.0020" (50 microns) min.	–
Specification	ASTM F1941/F1941M, Fe/Zn 3AN	ASTM F2329/F2329M or ASTM A153/A153M	18-8 (Type 304)

Note: Plain finish coupling nuts are supplied uncoated. Hot-dip galvanized nuts are tapped oversize after galvanizing to accommodate the thick zinc coating on the mating bolt or rod; the oversize tapping allowance is per ASTM A563.

Disclaimer: The above is a compilation of data from various industry standards. The Nutty Company, Inc. has made every effort to present the data accurately. However, The Nutty Company, Inc. cannot be held liable for any claim traceable to any errors, typographical or otherwise, contained herein.



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