



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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TECHNICAL DATA SHEET

HEXAGONAL NUT



MATERIAL- STAINLESS STEEL

GRADE-SS316 (A4)

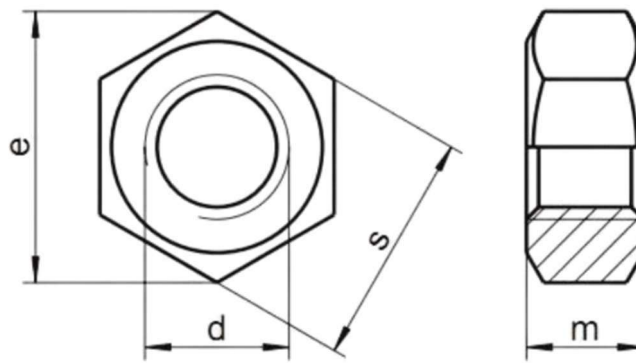
AS PER- BS-1083

CATALOGUE NO. R6D15b

BSW SERIES

INSTALLATION GUIDE

- SELECT THE CORRECT SIZE OF HEX NUT TO MATCH THE BOLT OR STUD THREAD SIZE AND PITCH.
- ENSURE BOTH THE BOLT AND NUT THREADS ARE CLEAN, DRY, AND FREE FROM DUST, OIL, OR DEBRIS.
- ALIGN THE HEX NUT WITH THE BOLT OR STUD THREAD PROPERLY BEFORE STARTING INSTALLATION.
- HAND-TIGHTEN THE HEX NUT ONTO THE BOLT OR STUD IN A CLOCKWISE DIRECTION TO START THREAD ENGAGEMENT.
- USE A SUITABLE SPANNER OR SOCKET WRENCH THAT FITS THE HEX NUT SECURELY.
- TIGHTEN THE NUT EVENLY AND GRADUALLY USING STEADY PRESSURE.
- IF MULTIPLE NUTS OR BOLTS ARE USED, FOLLOW A DIAGONAL OR CROSS-PATTERN TIGHTENING SEQUENCE.
- APPLY THE SPECIFIED TORQUE VALUE USING A TORQUE WRENCH IF REQUIRED.
- AVOID OVERTIGHTENING TO PREVENT THREAD DAMAGE OR DEFORMATION OF THE COMPONENTS.
- USE A WASHER UNDER THE NUT IF SPECIFIED TO DISTRIBUTE LOAD AND PROTECT THE SURFACE.
- FOR VIBRATION-PRONE APPLICATIONS, USE A LOCK NUT, SPRING WASHER, OR THREAD-LOCKING COMPOUND.
- VERIFY THAT THE HEX NUT IS FULLY SEATED AND THE ASSEMBLY IS SECURE AFTER INSTALLATION.



Quote the PART NUMBER given below with your order/ inquiries:

All Dimensions in Inches

NOTE: * NON-STANDARD PART

Nominal Size (d)	Item Code	Width Across Flats		Width Across corners	Thickness	
Thread Size	PART NUMBER	s min	s max	e	m min	m max
3/16"-24*	R6D15b62000*	0.320	0.328	0.38	0.15	0.16
1/4"-20	R6D15b62000	0.438	0.445	0.51	0.19	0.20
5/16"-18	R6D15b79000	0.518	0.525	0.61	0.24	0.25
3/8"-16	R6D15b91000	0.592	0.60	0.69	0.302	0.312
7/16"-14	R6D15b11000	0.702	0.71	0.82	0.365	0.375
1/2"-12	R6D15b13000	0.812	0.82	0.95	0.427	0.437
9/16"-12	R6D15b14000	0.912	0.92	1.06	0.49	0.50
5/8"-11	R6D15b15000	1.00	1.01	1.17	0.552	0.562
3/4"-10	R6D15b19000	1.19	1.20	1.39	0.677	0.687
7/8"-9	R6D15b23000	1.288	1.30	1.50	0.74	0.75
1"-8	R6D15b25000	1.468	1.48	1.71	0.865	0.875
1-1/8"-7	R6D15b28000	1.640	1.67	1.93	0.990	1.000
1-1/4"-7	R6D15b31000	1.815	1.86	2.15	1.105	1.125
1-3/8"	R6D15b34000	2.005	2.05	2.37	1.230	1.250
1-1/2"-6	R6D15b38000	2.175	2.22	2.56	1.365	1.375
1-3/4"-5	R6D15b44000	2.520	2.58	2.98	1.605	1.625
2"-4.5	R6D15b51000	2.700	2.76	3.19	1.730	1.750

Sizes in BLUE are non-preferred. Availability is limited and MOQ is applied *Data is strictly informative*

Note: All Austenitic Stainless-Steel Fasteners may exhibit some Magnetic Properties due to the Manufacturing Process.

Refer: ISO 3506-2 Annex F