



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



8310165941 / 9959457863



sales@royalfastenersindia.com



www.royalfastenersindia.com

TECHNICAL DATA SHEET

HEX SCREW



MATERIAL- STAINLESS STEEL

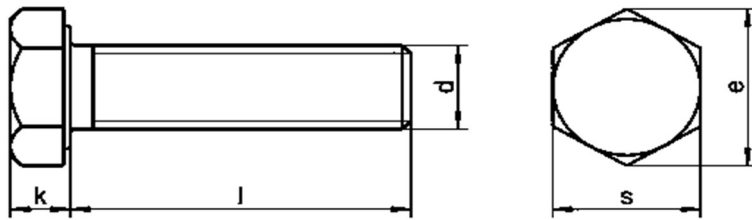
GRADE-SS304 (A2-70)

AS PER-ASME B18.2.1

CATALOGUE NO. R4D39u

INSTALLATION GUIDE

- SELECT THE CORRECT SIZE OF HEX SCREW AND HEX KEY/ALLEN WRENCH.
- ENSURE THE MATERIAL SURFACE IS CLEAN AND FREE FROM DUST OR DEBRIS.
- ALIGN THE HEX SCREW WITH THE PRE-DRILLED HOLE OR FASTENING POINT.
- INSERT THE HEX SCREW INTO THE HOLE BY HAND TO START THREADING.
- USE THE HEX KEY/ALLEN WRENCH TO TIGHTEN THE SCREW CLOCKWISE.
- APPLY EVEN PRESSURE TO AVOID STRIPPING THE HEX SOCKET.
- DO NOT OVERTIGHTEN TO PREVENT DAMAGE TO THE MATERIAL OR THREADS.
- IF REQUIRED, USE A TORQUE WRENCH TO ENSURE ACCURATE TIGHTENING.
- FOR METAL-TO-METAL INSTALLATION, USE A WASHER TO DISTRIBUTE LOAD.
- INSPECT THE INSTALLED HEX SCREW TO CONFIRM FIRM AND SECURE FIT.



UNC SERIES

Size→ Parameter↓	1/4"-20	5/16"-18	3/8"-16	7/16"-14	1/2"-13	9/16"-12	5/8"-11
e max	0.505	0.577	0.650	0.722	0.866	0.938	1.083
across flat s min	0.425	0.484	0.544	0.603	0.725	0.798	0.906
across flat s max	0.438	0.500	0.562	0.625	0.750	0.812	0.928
head ht k min	0.150	0.195	0.226	0.272	0.302	0.348	0.378
head ht k max	0.188	0.235	0.268	0.316	0.364	0.371	0.444

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

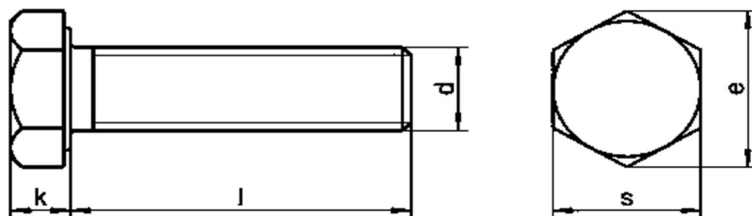
All Dimensions in Inches

Size→ Length↓	1/4"-20	5/16"-18	3/8"-16	7/16"-14	1/2"-13	9/16"-12	5/8"-11
3/8"	R4D39u62091	R4D39u79091					
7/16"	R4D39u62011	R4D39u79011	R4D39u91011				
1/2"	R4D39u62013	R4D39u79013	R4D39u91013				
9/16"	R4D39u62014	R4D39u79014	R4D39u91014	R4D39u11014			
5/8"	R4D39u62015	R4D39u79015	R4D39u91015	R4D39u11015	R4D39u13015		
3/4"	R4D39u62019	R4D39u79019	R4D39u91019	R4D39u11019	R4D39u13019	R4D39u14019	
7/8"	R4D39u62023	R4D39u79023	R4D39u91023	R4D39u11023	R4D39u13023	R4D39u14023	
1"	R4D39u62025	R4D39u79025	R4D39u91025	R4D39u11025	R4D39u13025	R4D39u14025	R4D39u15025
1 1/8"	R4D39u62028	R4D39u79028	R4D39u91028	R4D39u11028	R4D39u13028	R4D39u14028	R4D39u15028
1 1/4"	R4D39u62031	R4D39u79031	R4D39u91031	R4D39u11031	R4D39u13031	R4D39u14031	R4D39u15031
1 1/2"	R4D39u62038	R4D39u79038	R4D39u91038	R4D39u11038	R4D39u13038	R4D39u14038	R4D39u15038
1 5/8"	R4D39u62041	R4D39u79041	R4D39u91041	R4D39u11041	R4D39u13041	R4D39u14041	R4D39u15041
1 3/4"	R4D39u62044	R4D39u79044	R4D39u91044	R4D39u11044	R4D39u13044	R4D39u14044	R4D39u15044
2"	R4D39u62051	R4D39u79051	R4D39u91051	R4D39u11051	R4D39u13051	R4D39u14051	R4D39u15051
2 1/4"	R4D39u62056	R4D39u79056	R4D39u91056	R4D39u11056	R4D39u13056	R4D39u14056	R4D39u15056
2 1/2"	R4D39u62063	R4D39u79063	R4D39u91063	R4D39u11063	R4D39u13063	R4D39u14063	R4D39u15063
2 3/4"	R4D39u62069	R4D39u79069	R4D39u91069	R4D39u11069	R4D39u13069	R4D39u14069	R4D39u15069
3"	R4D39u62076	R4D39u79076	R4D39u91076	R4D39u11076	R4D39u13076	R4D39u14076	R4D39u15076
3 1/4"	R4D39u62082	R4D39u79082	R4D39u91082	R4D39u11082	R4D39u13082	R4D39u14082	R4D39u15082
3 1/2"	R4D39u62089	R4D39u79089	R4D39u91089	R4D39u11089	R4D39u13089	R4D39u14089	R4D39u15089
3 3/4"	R4D39u62096	R4D39u79096	R4D39u91096	R4D39u11096	R4D39u13096	R4D39u14096	R4D39u15096
4"	R4D39u62102	R4D39u79102	R4D39u91102	R4D39u11102	R4D39u13102	R4D39u14102	R4D39u15102
4 1/2"	R4D39u62114	R4D39u79114	R4D39u91114	R4D39u11114	R4D39u13114	R4D39u14114	R4D39u15114
5"	R4D39u62126	R4D39u79126	R4D39u91126	R4D39u11126	R4D39u13126	R4D39u14126	R4D39u15126
5 1/2"	R4D39u62139	R4D39u79139	R4D39u91139	R4D39u11139	R4D39u13139	R4D39u14139	R4D39u15139
6"	R4D39u62152	R4D39u79152	R4D39u91152	R4D39u11152	R4D39u13152	R4D39u14152	R4D39u15152
6 1/2"			R4D39u91165	R4D39u11165	R4D39u13165	R4D39u14165	R4D39u15165
7"			R4D39u91178	R4D39u11178	R4D39u13178	R4D39u14178	R4D39u15178
8"			R4D39u91200	R4D39u11200	R4D39u13200	R4D39u14200	R4D39u15200

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



UNC SERIES

Size→ Parameter↓	3/4"-10	7/8"-9	1"-8	1-1/8"-7	1-1/4"-7	1-3/8"-6	1-1/2"-6
e max	1.299	1.516	1.732	1.949	2.165	2.382	2.598
across flat s min	1.088	1.269	1.450	1.631	1.812	1.994	2.175
across flat s max	1.125	1.312	1.500	1.688	1.631	1.875	2.062
head ht k min	0.455	0.531	0.591	0.658	0.749	0.810	0.902
head ht k max	0.524	0.604	0.700	0.780	0.876	0.940	1.036

Quote the PART NUMBER given below with your order/ inquiries: All Dimensions in Inches

Size→ Length↓	3/4"-10	7/8"-9	1"-8	1-1/8"-7	1-1/4"-7	1-3/8"-6	1-1/2"-6
1"	R4D39u19025						
1 1/8"	R4D39u19028						
1 1/4"	R4D39u19031	R4D39u23031	R4D39u25031				
1 1/2"	R4D39u19038	R4D39u23038	R4D39u25038	R4D39u28038			
1 5/8"	R4D39u19041	R4D39u23041	R4D39u25041	R4D39u28041	R4D39u31041		
1 3/4"	R4D39u19044	R4D39u23044	R4D39u25044	R4D39u28044	R4D39u31044	R4D39u34044	
2"	R4D39u19051	R4D39u23051	R4D39u25051	R4D39u28051	R4D39u31051	R4D39u34041	
2 1/4"	R4D39u19056	R4D39u23056	R4D39u25056	R4D39u28056	R4D39u31056	R4D39u34056	R4D39u38056
2 1/2"	R4D39u19063	R4D39u23063	R4D39u25063	R4D39u28063	R4D39u31063	R4D39u34063	R4D39u38063
2 3/4"	R4D39u19069	R4D39u23069	R4D39u25069	R4D39u28069	R4D39u31069	R4D39u34069	R4D39u38069
3"	R4D39u19076	R4D39u23076	R4D39u25076	R4D39u28076	R4D39u31076	R4D39u34076	R4D39u38076
3 1/4"	R4D39u19082	R4D39u23082	R4D39u25082	R4D39u28082	R4D39u31082	R4D39u34082	R4D39u38082
3 1/2"	R4D39u19089	R4D39u23089	R4D39u25089	R4D39u28089	R4D39u31089	R4D39u34089	R4D39u38089
3 3/4"	R4D39u19096	R4D39u23096	R4D39u25096	R4D39u28096	R4D39u31096	R4D39u34096	R4D39u38096
4"	R4D39u19102	R4D39u23102	R4D39u25102	R4D39u28102	R4D39u31102	R4D39u34102	R4D39u38102
4 1/2"	R4D39u19114	R4D39u23114	R4D39u25114	R4D39u28114	R4D39u31114	R4D39u34114	R4D39u38114
5"	R4D39u19126	R4D39u23126	R4D39u25126	R4D39u28126	R4D39u31126	R4D39u34126	R4D39u38126
5 1/2"	R4D39u19139	R4D39u23139	R4D39u25139	R4D39u28139	R4D39u31139	R4D39u34139	R4D39u38139
6"	R4D39u19152	R4D39u23152	R4D39u25152	R4D39u28152	R4D39u31152	R4D39u34152	R4D39u38152
6 1/2"	R4D39u19165	R4D39u23165	R4D39u25165	R4D39u28165	R4D39u31165	R4D39u34165	R4D39u38165
7"	R4D39u19178	R4D39u23178	R4D39u25178	R4D39u28178	R4D39u31178	R4D39u34178	R4D39u38178
8"	R4D39u19200	R4D39u23200	R4D39u25200	R4D39u28200	R4D39u31200	R4D39u34200	R4D39u38200

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