



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

# ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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## TECHNICAL DATA SHEET

### HEX SCREW



MATERIAL- STAINLESS STEEL

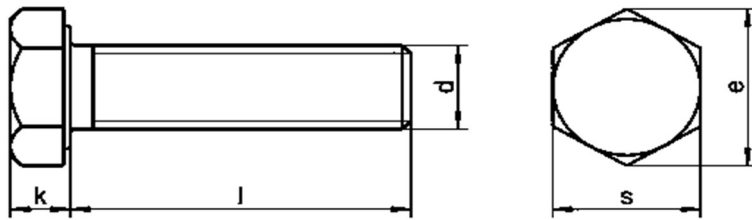
GRADE-SS304 (A2-70)

AS PER-BS-1083

CATALOGUE NO. R4D39i

### 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.



**BSW SERIES**

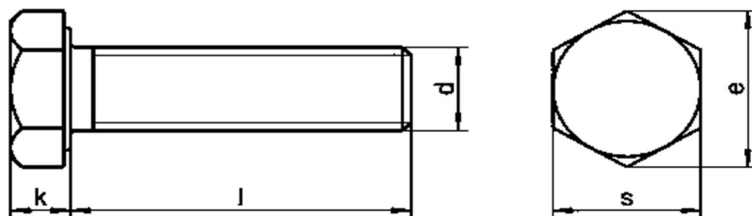
<b>Size</b>	<b>1/4"-20</b>	<b>5/16"-18</b>	<b>3/8"-16</b>	<b>7/16"-14</b>	<b>1/2"-12</b>	<b>9/16"-12</b>	<b>5/8"-11</b>
<b>e (across corners)</b>	<b>0.51</b>	<b>0.61</b>	<b>0.69</b>	<b>0.82</b>	<b>0.95</b>	<b>1.06</b>	<b>1.17</b>
<b>s (across flat)</b>	<b>0.45</b>	<b>0.525</b>	<b>0.60</b>	<b>0.71</b>	<b>0.82</b>	<b>0.92</b>	<b>1.01</b>
<b>k (Head Thk)</b>	<b>0.19</b>	<b>0.22</b>	<b>0.27</b>	<b>0.33</b>	<b>0.38</b>	<b>0.44</b>	<b>0.49</b>

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

All Dimensions in Inches

Length/Size	1/4"-20	5/16"-18	3/8"-16	7/16"-14	1/2"-12	9/16"-12	5/8"-11
3/8"	R4D39i62091	R4D39i79091					
7/16"	R4D39i62011	R4D39i79011	R4D39i91011				
1/2"	R4D39i62013	R4D39i79013	R4D39i91013				
9/16"	R4D39i62014	R4D39i79014	R4D39i91014	R4D39i11014			
5/8"	R4D39i62015	R4D39i79015	R4D39i91015	R4D39i11015	R4D39i13015		
3/4"	R4D39i62019	R4D39i79019	R4D39i91019	R4D39i11019	R4D39i13019	R4D39i14019	
7/8"	R4D39i62023	R4D39i79023	R4D39i91023	R4D39i11023	R4D39i13023	R4D39i14023	
1"	R4D39i62025	R4D39i79025	R4D39i91025	R4D39i11025	R4D39i13025	R4D39i14025	R4D39i15025
1 1/8"	R4D39i62028	R4D39i79028	R4D39i91028	R4D39i11028	R4D39i13028	R4D39i14028	R4D39i15028
1 1/4"	R4D39i62031	R4D39i79031	R4D39i91031	R4D39i11031	R4D39i13031	R4D39i14031	R4D39i15031
1 1/2"	R4D39i62038	R4D39i79038	R4D39i91038	R4D39i11038	R4D39i13038	R4D39i14038	R4D39i15038
1 5/8"	R4D39i62041	R4D39i79041	R4D39i91041	R4D39i11041	R4D39i13041	R4D39i14041	R4D39i15041
1 3/4"	R4D39i62044	R4D39i79044	R4D39i91044	R4D39i11044	R4D39i13044	R4D39i14044	R4D39i15044
2"	R4D39i62051	R4D39i79051	R4D39i91051	R4D39i11051	R4D39i13051	R4D39i14051	R4D39i15051
2 1/4"	R4D39i62056	R4D39i79056	R4D39i91056	R4D39i11056	R4D39i13056	R4D39i14056	R4D39i15056
2 1/2"	R4D39i62063	R4D39i79063	R4D39i91063	R4D39i11063	R4D39i13063	R4D39i14063	R4D39i15063
2 3/4"	R4D39i62069	R4D39i79069	R4D39i91069	R4D39i11069	R4D39i13069	R4D39i14069	R4D39i15069
3"	R4D39i62076	R4D39i79076	R4D39i91076	R4D39i11076	R4D39i13076	R4D39i14076	R4D39i15076
3 1/4"	R4D39i62082	R4D39i79082	R4D39i91082	R4D39i11082	R4D39i13082	R4D39i14082	R4D39i15082
3 1/2"	R4D39i62089	R4D39i79089	R4D39i91089	R4D39i11089	R4D39i13089	R4D39i14089	R4D39i15089
3 3/4"	R4D39i62096	R4D39i79096	R4D39i91096	R4D39i11096	R4D39i13096	R4D39i14096	R4D39i15096
4"	R4D39i62102	R4D39i79102	R4D39i91102	R4D39i11102	R4D39i13102	R4D39i14102	R4D39i15102
4 1/2"	R4D39i62114	R4D39i79114	R4D39i91114	R4D39i11114	R4D39i13114	R4D39i14114	R4D39i15114
5"	R4D39i62126	R4D39i79126	R4D39i91126	R4D39i11126	R4D39i13126	R4D39i14126	R4D39i15126
5 1/2"	R4D39i62139	R4D39i79139	R4D39i91139	R4D39i11139	R4D39i13139	R4D39i14139	R4D39i15139
6"	R4D39i62152	R4D39i79152	R4D39i91152	R4D39i11152	R4D39i13152	R4D39i14152	R4D39i15152
6 1/2"			R4D39i91165	R4D39i11165	R4D39i13165	R4D39i14165	R4D39i15165
7"			R4D39i91178	R4D39i11178	R4D39i13178	R4D39i14178	R4D39i15178
8"			R4D39i91200	R4D39i11200	R4D39i13200	R4D39i14200	R4D39i15200

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



**UNC SERIES**

Size	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 (across corners)	1.39	1.50	1.71	1.93	2.15	2.37	2.56
s (across flat)	1.20	1.30	1.48	1.67	1.86	2.05	2.22
k (Head Thk)	0.60	0.66	0.77	0.88	0.98	1.09	1.20

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

All Dimensions in Inches

Size	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"	R4D39i19025						
1 1/8"	R4D39i19028						
1 1/4"	R4D39i19031	R4D39i23031	R4D39i25031				
1 1/2"	R4D39i19038	R4D39i23038	R4D39i25038	R4D39i28038			
1 5/8"	R4D39i19041	R4D39i23041	R4D39i25041	R4D39i28041	R4D39i31041		
1 3/4"	R4D39i19044	R4D39i23044	R4D39i25044	R4D39i28044	R4D39i31044	R4D39i34044	
2"	R4D39i19051	R4D39i23051	R4D39i25051	R4D39i28051	R4D39i31051	R4D39i34041	
2 1/4"	R4D39i19056	R4D39i23056	R4D39i25056	R4D39i28056	R4D39i31056	R4D39i34056	R4D39i38056
2 1/2"	R4D39i19063	R4D39i23063	R4D39i25063	R4D39i28063	R4D39i31063	R4D39i34063	R4D39i38063
2 3/4"	R4D39i19069	R4D39i23069	R4D39i25069	R4D39i28069	R4D39i31069	R4D39i34069	R4D39i38069
3"	R4D39i19076	R4D39i23076	R4D39i25076	R4D39i28076	R4D39i31076	R4D39i34076	R4D39i38076
3 1/4"	R4D39i19082	R4D39i23082	R4D39i25082	R4D39i28082	R4D39i31082	R4D39i34082	R4D39i38082
3 1/2"	R4D39i19089	R4D39i23089	R4D39i25089	R4D39i28089	R4D39i31089	R4D39i34089	R4D39i38089
3 3/4"	R4D39i19096	R4D39i23096	R4D39i25096	R4D39i28096	R4D39i31096	R4D39i34096	R4D39i38096
4"	R4D39i19102	R4D39i23102	R4D39i25102	R4D39i28102	R4D39i31102	R4D39i34102	R4D39i38102
4 1/2"	R4D39i19114	R4D39i23114	R4D39i25114	R4D39i28114	R4D39i31114	R4D39i34114	R4D39i38114
5"	R4D39i19126	R4D39i23126	R4D39i25126	R4D39i28126	R4D39i31126	R4D39i34126	R4D39i38126
5 1/2"	R4D39i19139	R4D39i23139	R4D39i25139	R4D39i28139	R4D39i31139	R4D39i34139	R4D39i38139
6"	R4D39i19152	R4D39i23152	R4D39i25152	R4D39i28152	R4D39i31152	R4D39i34152	R4D39i38152
6 1/2"	R4D39i19165	R4D39i23165	R4D39i25165	R4D39i28165	R4D39i31165	R4D39i34165	R4D39i38165
7"	R4D39i19178	R4D39i23178	R4D39i25178	R4D39i28178	R4D39i31178	R4D39i34178	R4D39i38178
8"	R4D39i19200	R4D39i23200	R4D39i25200	R4D39i28200	R4D39i31200	R4D39i34200	R4D39i38200

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

Refer: ISO 3506-2 Annex F