



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

# ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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## TECHNICAL DATA SHEET

### HALF THREAD TORX SOCKET HEAD CAP SCREW(SHCS)



MATERIAL- STAINLESS STEEL

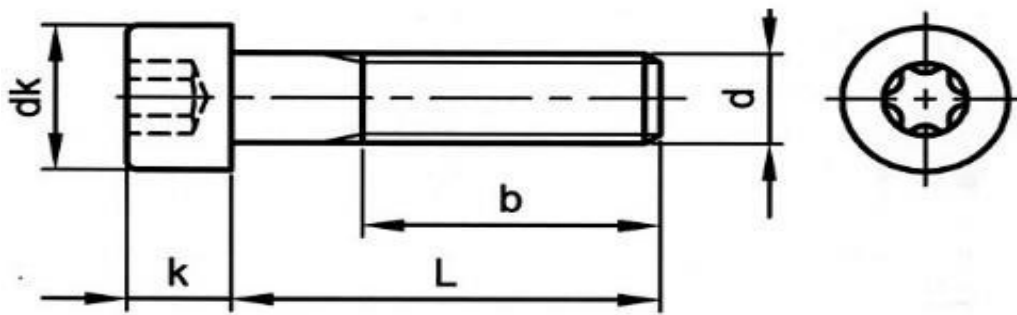
GRADE-SS316 (A4-70)

AS PER-ISO-14579

CATALOGUE NO. R6F39H

### INSTALLATION GUIDE

- VERIFY THE SCREW SIZE, LENGTH, THREAD SPECIFICATION, AND GRIP LENGTH MATCH THE APPLICATION REQUIREMENT.
- INSPECT THE SCREW FOR THREAD DAMAGE, HEAD DEFORMATION, OR SURFACE DEFECTS BEFORE INSTALLATION.
- ENSURE THE MATING THREADED HOLE OR NUT IS CLEAN AND FREE FROM BURRS OR CONTAMINATION.
- CHECK THAT THE UNTHREADED SHANK PORTION IS SUITABLE FOR THE JOINT THICKNESS AND ALIGNMENT REQUIREMENTS.
- ALIGN THE COMPONENTS AND ENSURE ALL HOLES ARE PROPERLY POSITIONED.
- INSERT THE HALF THREAD TORX SHCS THROUGH THE CLEARANCE HOLE AND INTO THE MATING THREAD.
- START THREADING BY HAND TO PREVENT CROSS-THREADING.
- USE THE CORRECT SIZE TORX DRIVER OR BIT FOR FULL ENGAGEMENT WITH THE RECESS.
- TIGHTEN THE SCREW GRADUALLY WHILE MAINTAINING PROPER ALIGNMENT OF THE COMPONENTS.
- APPLY THE SPECIFIED TORQUE USING A CALIBRATED TORQUE WRENCH OR SUITABLE TOOL.
- ENSURE THE SOCKET HEAD SITS PROPERLY AGAINST THE MATING SURFACE OR COUNTERBORE.
- DO NOT OVERTIGHTEN, AS THIS MAY DAMAGE THE THREADS OR COMPONENTS.
- VERIFY THAT THE UNTHREADED SHANK IS POSITIONED ACROSS THE JOINT FOR OPTIMUM SHEAR STRENGTH.
- CHECK THAT THE FASTENER IS SECURE AND THAT THERE IS NO MOVEMENT BETWEEN COMPONENTS.
- INSPECT THE FINAL ASSEMBLY FOR PROPER SEATING, ALIGNMENT, AND CLAMPING FORCE.



Size d → Parameter↓	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8	M6x1.0	M8x1.25	M10x1.5
dk Max	4.50	5.50	7.00	8.50	10.00	13.00	16.00
dk Min	4.32	5.32	6.78	8.28	9.78	12.73	15.73
k Max	2.50	3.00	4.00	5.00	6.00	8.00	10.00
k Min	2.36	2.86	3.82	4.82	5.70	7.64	9.64
Thread length b(ref)	17.00	18.00	20.00	22.00	24.00	28.00	32.00
Drive Bit	<b>T8</b>	<b>T10</b>	<b>T20</b>	<b>T25</b>	<b>T30</b>	<b>T40</b>	<b>T50</b>

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

All Dimensions in mm

Dia d → Length↓	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8	M6x1.0	M8x1.25	M10x1.5
25	R6F39H20525	R6F39H03025					
30	R6F39H20530	R6F39H03030	R6F39H04030	R6F39H05030			
35	R6F39H20535	R6F39H03035	R6F39H04035	R6F39H05035	R6F39H06035		
40	R6F39H03040	R6F39H03040	R6F39H04040	R6F39H05040	R6F39H06040	R6F39H08040	
45		R6F39H03045	R6F39H04045	R6F39H05045	R6F39H06045	R6F39H08045	R6F39H10045
50		R6F39H03050	R6F39H04050	R6F39H05050	R6F39H06050	R6F39H08050	R6F39H10050
55		R6F39H03055	R6F39H04055	R6F39H05055	R6F39H06055	R6F39H08055	R6F39H10055
60		R6F39H03060	R6F39H04060	R6F39H05060	R6F39H06060	R6F39H08060	R6F39H10060
65			R6F39H04065	R6F39H05065	R6F39H06065	R6F39H08065	R6F39H10065
70			R6F39H04070	R6F39H05070	R6F39H06070	R6F39H08070	R6F39H10070
75			R6F39H04075	R6F39H05075	R6F39H06075	R6F39H08075	R6F39H10075
80			R6F39H04080	R6F39H05080	R6F39H06080	R6F39H08080	R6F39H10080
90				R6F39H05090	R6F39H06090	R6F39H08090	R6F39H10090
100				R6F39H05100	R6F39H06100	R6F39H08100	R6F39H10100
120					R6F39H06120	R6F39H08120	R6F39H10120
130						R6F39H08130	R6F39H10130
150						R6F39H08150	R6F39H10150

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