



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

ALLEN SOCKET HEAD CAP SCREW HALF THREAD



MATERIAL- STAINLESS STEEL

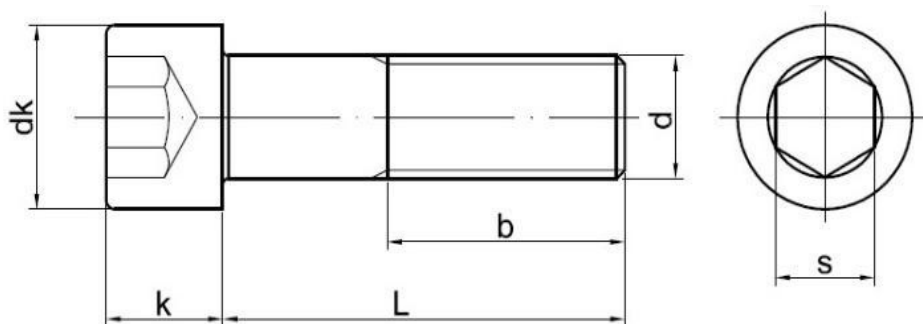
GRADE-SS316 (A4-70)

AS PER-DIN-912

CATALOGUE NO. R6C39H

INSTALLATION GUIDE

- VERIFY THE SCREW SIZE, THREAD PITCH, LENGTH, AND HALF THREAD CONFIGURATION 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, PROPERLY ALIGNED, AND FREE FROM BURRS OR DEBRIS.
- CHECK THAT THE UNTHREADED SHANK IS SUITABLE FOR THE JOINT THICKNESS TO PROVIDE MAXIMUM SHEAR STRENGTH.
- ALIGN THE COMPONENTS AND INSERT THE SCREW THROUGH THE CLEARANCE HOLE.
- START THREADING THE SCREW BY HAND TO PREVENT CROSS-THREADING.
- USE THE CORRECT SIZE ALLEN KEY OR HEX DRIVER FOR FULL ENGAGEMENT WITH THE SOCKET.
- TIGHTEN THE SCREW GRADUALLY WHILE MAINTAINING PROPER COMPONENT ALIGNMENT.
- APPLY THE SPECIFIED TORQUE USING A CALIBRATED TORQUE WRENCH OR SUITABLE TOOL.
- ENSURE THE CYLINDRICAL SOCKET HEAD SITS PROPERLY AGAINST THE MATING SURFACE OR COUNTERBORE.
- DO NOT OVERTIGHTEN, AS THIS MAY DAMAGE THE THREADS OR DISTORT THE COMPONENTS.
- VERIFY THAT THE UNTHREADED SHANK SPANS THE JOINT TO ACHIEVE OPTIMUM LOAD DISTRIBUTION.
- CHECK THAT THE FASTENER IS SECURE AND THAT THERE IS NO MOVEMENT BETWEEN THE ASSEMBLED PARTS.
- INSPECT THE FINAL ASSEMBLY FOR PROPER SEATING, ALIGNMENT, AND CLAMPING FORCE.
- RE-TIGHTEN IF REQUIRED AFTER INITIAL LOADING OR AS PER MAINTENANCE SPECIFICATIONS.



Note: Head may be plain or knurled

Size →		M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8	M6x1.0
Head dia D	max	3.98	4.68	5.68	7.22	8.72	10.22
	min	3.62	4.32	5.32	6.78	8.28	9.78
Socket A/F s		1.50	2.00	2.50	3.00	4.00	5.00
Thread length b ref		16.00	17.00	18.00	20.00	22.00	24.00
Head Height k	max	2.00	2.50	3.00	4.00	5.00	6.00
	min	1.86	2.36	2.86	3.82	4.82	5.70

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

All Dimensions in mm

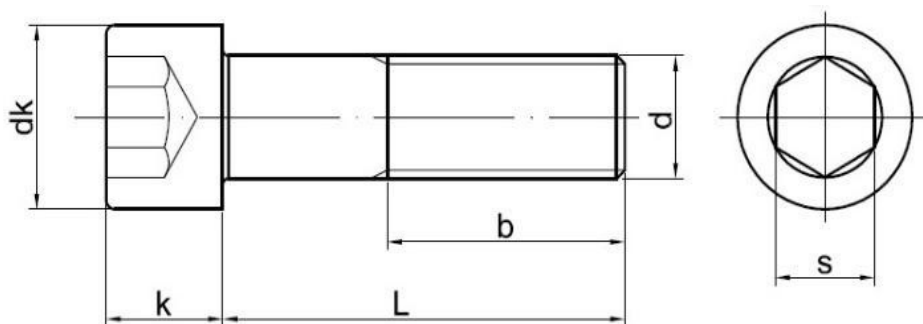
Length ↓ Dia→	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8	M6x1.0
20	R6C39H02020					
22	R6C39H02022	R6C39H20522	R6C39H03022			
25	R6C39H02025	R6C39H20525	R6C39H03025			
30	R6C39H02030	R6C39H20530	R6C39H03030	R6C39H04030	R6C39H05030	
35	R6C39H02035	R6C39H20535	R6C39H03035	R6C39H04035	R6C39H05035	R6C39H06035
40	R6C39H02040	R6C39H20540	B4A0103040	R6C39H04040	R6C39H05040	R6C39H06040
45	R6C39H02045	R6C39H20545	R6C39H03045	R6C39H04045	R6C39H05045	R6C39H06045
50	R6C39H02050	R6C39H20550	R6C39H03050	R6C39H04050	R6C39H05050	R6C39H06050
55			R6C39H03055	R6C39H04055	R6C39H05055	R6C39H06055
60			R6C39H03060	R6C39H04060	R6C39H05060	R6C39H06060
65			R6C39H03065	R6C39H04065	R6C39H05065	R6C39H06065
70			R6C39H03070	R6C39H04070	R6C39H05070	R6C39H06070
75			R6C39H03075	R6C39H04075	R6C39H05075	R6C39H06075
80			R6C39H03080	R6C39H04080	R6C39H05080	R6C39H06080
80			R6C39H03085	R6C39H04085	R6C39H05085	R6C39H06085
90			R6C39H03090	R6C39H04090	R6C39H05090	R6C39H06090
100			R6C39H03100	R6C39H04100	R6C39H05100	R6C39H06100
110					R6C39H05110	R6C39H06110
120					R6C39H05120	R6C39H06120
130					R6C39H05130	R6C39H06130
140					R6C39H05140	R6C39H06140
150					R6C39H05150	R6C39H06150
160						R6C39H06160
170						R6C39H06170
180						R6C39H06180
190						R6C39H06190
200						R6C39H06200
220						R6C39H06220

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



Note: Head may be plain or knurled

Size →		M8x1.25	M10x1.5	M12x1.75	M14x2.0	M16x2.0	M20x2.5
Head dia D	max	13.27	16.27	28.27	21.33	24.33	30.33
	min	12.73	15.73	17.73	20.67	23.67	29.67
Socket A/F S		6.00	8.00	10.00	12.00	14.00	17.00
Thread length b ref		28.00	32.00	36.00	40.00	44.00	52.00
Head Height k	max	8.00	10.00	12.00	14.00	16.00	20.00
	min	7.64	9.64	11.57	13.57	15.57	19.48

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

All Dimensions in mm

Length ↓ Dia→	M8x1.25	M10x1.5	M12x1.75	M14x2.0	M16x2.0	M20x2.5
35	R6C39H08035					
40	R6C39H08040					
45	R6C39H08045	R6C39H10045				
50	R6C39H08050	R6C39H10050				
55	R6C39H08055	R6C39H10055	R6C39H12055			
60	R6C39H08060	R6C39H10060	R6C39H12060	R6C39H14060		
65	R6C39H08065	R6C39H10065	R6C39H12065	R6C39H14065	R6C39H16065	
70	R6C39H08070	R6C39H10070	R6C39H12070	R6C39H14070	R6C39H16070	
75	R6C39H08075	R6C39H10075	R6C39H12075	R6C39H14075	R6C39H16075	R6C39H20075
80	R6C39H08080	R6C39H10080	R6C39H12080	R6C39H14080	R6C39H16080	R6C39H20080
85	R6C39H08085	R6C39H10085	R6C39H12085	R6C39H14085	R6C39H16085	R6C39H20085
90	R6C39H08090	R6C39H10090	R6C39H12090	R6C39H14090	R6C39H16090	R6C39H20090
100	R6C39H08100	R6C39H10100	R6C39H12100	R6C39H14100	R6C39H16100	R6C39H20100
110	R6C39H08110	R6C39H10110	R6C39H12110	R6C39H14110	R6C39H16110	R6C39H20110
120	R6C39H08120	R6C39H10120	R6C39H12120	R6C39H14120	R6C39H16120	R6C39H20120
130	R6C39H08130	R6C39H10130	R6C39H12130	R6C39H14130	R6C39H16130	R6C39H20130
140	R6C39H08140	R6C39H10140	R6C39H12140	R6C39H14140	R6C39H16140	R6C39H20140
150	R6C39H08150	R6C39H10150	R6C39H12150	R6C39H14150	R6C39H16150	R6C39H20150
160	R6C39H08160	R6C39H10160	R6C39H12160	R6C39H14160	R6C39H16160	R6C39H20160
170	R6C39H08170	R6C39H10170	R6C39H12170	R6C39H14170	R6C39H16170	R6C39H20170
180	R6C39H08180	R6C39H10180	R6C39H12180	R6C39H14180	R6C39H16180	R6C39H20180
190	R6C39H08190	R6C39H10190	R6C39H12190	R6C39H14190	R6C39H16190	R6C39H20190
200	R6C39H08200	R6C39H10200	R6C39H12200	R6C39H14200	R6C39H16200	R6C39H20200
210	R6C39H08210	R6C39H10210	R6C39H12210	R6C39H14210	R6C39H16210	R6C39H10210
220	R6C39H08220	R6C39H10220	R6C39H12220	R6C39H14220	R6C39H16220	R6C39H20220
240	R6C39H08240	R6C39H10240	R6C39H12240	R6C39H14240	R6C39H16240	R6C39H20240
250	R6C39H08250	R6C39H10250	R6C39H12250	R6C39H14250	R6C39H16250	R6C39H20250
260	R6C39H08260	R6C39H10260	R6C39H12260	R6C39H14260	R6C39H16260	R6C39H20260
280	R6C39H08280	R6C39H10280	R6C39H12280	R6C39H14280	R6C39H16280	R6C39H20280
300	R6C39H08300	R6C39H10300	R6C39H12300	R6C39H14300	R6C39H16300	R6C39H20300

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