



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 (SHCS)



MATERIAL- STAINLESS STEEL

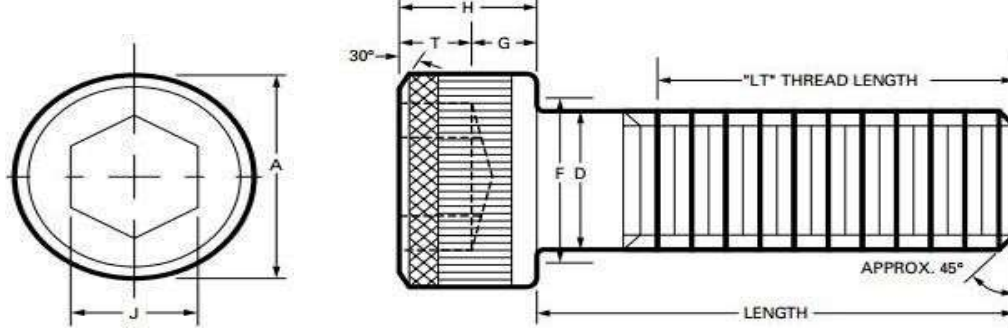
GRADE-SS304 (A2-70)

AS PER-ASME B18.3-1

CATALOGUE NO. R4C39v

### INSTALLATION GUIDE

- SELECT THE CORRECT SIZE OF ALLEN SHCS SCREW AND MATCHING ALLEN KEY/HEX WRENCH.
- CHECK THAT THE MATING HOLE OR THREAD IS CLEAN AND FREE FROM DUST, OIL, OR DEBRIS.
- POSITION THE COMPONENTS TO BE FASTENED IN PROPER ALIGNMENT.
- INSERT THE ALLEN SHCS SCREW INTO THE HOLE OR THREAD BY HAND TO AVOID CROSS THREADING.
- USE THE ALLEN KEY/HEX WRENCH TO TURN THE SCREW CLOCKWISE AND BEGIN TIGHTENING.
- APPLY STEADY FORCE TO ENSURE THE SCREW SEATS EVENLY WITHOUT DAMAGING THE SOCKET.
- DO NOT OVERTIGHTEN TO PREVENT THREAD DAMAGE OR MATERIAL DISTORTION.
- USE A TORQUE WRENCH IF SPECIFIC TORQUE REQUIREMENTS ARE PROVIDED.
- FOR HIGH-STRENGTH OR VIBRATION APPLICATIONS, USE WASHERS OR THREAD LOCKING COMPOUNDS AS NEEDED.
- VERIFY THAT THE ALLEN SHCS SCREW IS FIRMLY SECURED AND FLUSH WITH THE SURFACE.



Note: Head may be plain or knurled

THREAD CLASS 2A

UNF SERIES

Dim↓ Size→	2-64	4-48	6-40	8-36	10-32	1/4-28	
Head Dia A	max	0.140	0.183	0.226	0.270	0.312	0.375
	min	0.134	0.176	0.216	0.257	0.298	0.354
Major Dia D	max	0.086	0.112	0.138	0.164	0.190	0.250
	min	0.082	0.1075	0.1329	0.1585	0.1840	0.244
Head Height H	max	0.086	0.112	0.138	0.164	0.190	0.250
	min	0.083	0.108	0.134	0.159	0.185	0.244
Socket J	0.078	0.094	0.109	0.141	0.156	0.188	
Key Size	5/64	3/32	7/64	9/64	5/32	3/16	

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

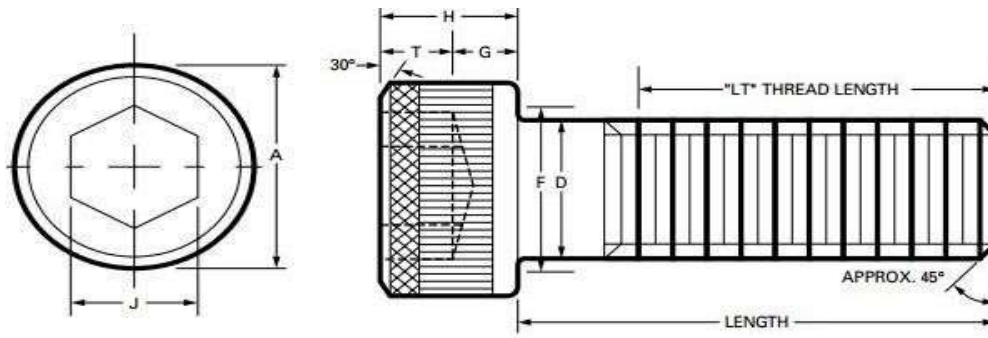
All Dimensions in mm

Length↓ Size→	2-64	4-48	6-40	8-36	10-32	1/4-28
1/4"	R4C39v26462	R4C39v44862	R4C39v64062	R4C39v83662	R4C39v13262	
5/16"	R4C39v26479	R4C39v44879	R4C39v64079	R4C39v83679	R4C39v13279	
3/8"	R4C39v26491	R4C39v44891	R4C39v64091	R4C39v83691	R4C39v13291	R4C39v62091
1/2"	R4C39v26413	R4C39v44813	R4C39v64013	R4C39v83613	R4C39v13213	R4C39v62013
5/8"	R4C39v26415	R4C39v44815	R4C39v64015	R4C39v83615	R4C39v13215	R4C39v62015
3/4"	R4C39v26419	R4C39v44819	R4C39v64019	R4C39v83619	R4C39v13219	R4C39v62019
7/8"	R4C39v26423	R4C39v44823	R4C39v64023	R4C39v83623	R4C39v13223	R4C39v62023
1"	R4C39v26425	R4C39v44825	R4C39v64025	R4C39v83625	R4C39v13225	R4C39v62025
1-1/4"		R4C39v44831	R4C39v64031	R4C39v83631	R4C39v13231	R4C39v62031
1-1/2"		R4C39v44838	R4C39v64038	R4C39v83638	R4C39v13238	R4C39v62038
1-3/4"		R4C39v44844	R4C39v64044	R4C39v83644	R4C39v13244	R4C39v62044
2"		R4C39v44851	R4C39v64051	R4C39v83651	R4C39v13251	R4C39v62051
2-1/4"		R4C39v44856	R4C39v64056	R4C39v83656	R4C39v13256	R4C39v62056
2-1/2"					R4C39v13263	R4C39v62063
3"						R4C39v62076
3-1/2"						R4C39v62089
4"						R4C39v62102

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

THREAD CLASS 2A

UNF SERIES

Dim↓ Size→	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	3/4-16
Head Dia A	max	0.469	0.562	0.656	0.750	1.125
	min	0.446	0.540	0.631	0.725	1.094
Major Dia D	max	0.3125	0.375	0.4375	0.500	0.750
	min	0.3053	0.3678	0.4294	0.4919	0.7406
Head Height H	max	0.312	0.375	0.438	0.500	0.750
	min	0.306	0.368	0.430	0.492	0.740
Socket J	0.250	0.312	0.375	0.375	0.500	0.625
Key Size	1/4	5/16	3/8	3/8	1/2	5/8

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

All Dimensions in mm

Length↓ Size→	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	3/4-16
3/8"	R4C39v79019					
1/2"	R4C39v79013	R4C39v91013	R4C39v11013			
5/8"	R4C39v79015	R4C39v91015	R4C39v11015	R4C39v13015		
3/4"	R4C39v79019	R4C39v91019	R4C39v11019	R4C39v13019		
7/8"	R4C39v79023	R4C39v91023	R4C39v11023	R4C39v13023		
1"	R4C39v79025	R4C39v91025	R4C39v11025	R4C39v13025	R4C39v15025	R4C39v19025
1-1/4"	R4C39v79031	R4C39v91031	R4C39v11031	R4C39v13031	R4C39v15031	R4C39v19031
1-1/2"	R4C39v79038	R4C39v91038	R4C39v11038	R4C39v13038	R4C39v15038	R4C39v19038
1-3/4"	R4C39v79044	R4C39v91044	R4C39v11044	R4C39v13044	R4C39v15044	R4C39v19044
2"	R4C39v79051	R4C39v91051	R4C39v11051	R4C39v13051	R4C39v15051	R4C39v19051
2-1/4"	R4C39v79056	R4C39v91056	R4C39v11056	R4C39v13056	R4C39v15056	R4C39v19056
2-1/2"	R4C39v79063	R4C39v91063	R4C39v11063	R4C39v13063	R4C39v15063	R4C39v19063
3"	R4C39v79076	R4C39v91076	R4C39v11076	R4C39v13076	R4C39v15076	R4C39v19076
3-1/2"	R4C39v79089	R4C39v91089	R4C39v11089	R4C39v13089	R4C39v15089	R4C39v19089
4"	R4C39v79102	R4C39v91102	R4C39v11102	R4C39v13102	R4C39v15102	R4C39v19102
5"	R4C39v79126	R4C39v91126	R4C39v11126	R4C39v13126	R4C39v15126	R4C39v19126

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