



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 BUTTON HEAD CAP SCREW (BHCS)



MATERIAL- STAINLESS STEEL

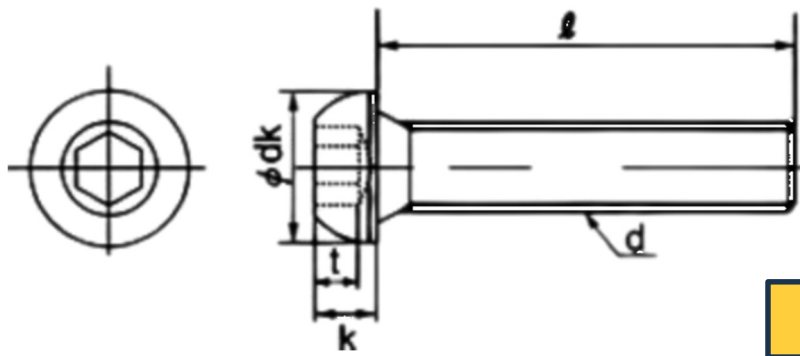
GRADE-SS316 (A4-70)

AS PER-ANSI/ASME-B18.3-3

CATALOGUE NO. R6C22v

### INSTALLATION GUIDE

- SELECT THE CORRECT SIZE OF ALLEN BHCS 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 BHCS SCREW INTO THE HOLE BY HAND TO AVOID CROSS THREADING.
- USE THE ALLEN KEY/HEX WRENCH TO TIGHTEN THE SCREW CLOCKWISE.
- APPLY STEADY AND EVEN FORCE TO AVOID DAMAGING THE SOCKET.
- DO NOT OVERTIGHTEN TO PREVENT STRIPPING THREADS OR DISTORTING THE MATERIAL.
- USE A TORQUE WRENCH IF SPECIFIC TORQUE VALUES ARE PROVIDED.
- FOR VIBRATION-PRONE APPLICATIONS, CONSIDER USING A WASHER OR THREAD LOCKING COMPOUND.
- VERIFY THAT THE ALLEN BHCS SCREW IS FIRMLY SECURED AND THE BUTTON HEAD IS PROPERLY SEATED ON THE SURFACE.



**UNF SERIES**

		Thread Class - 2A					
Dim↓ Size→		10-32	1/4-28	5/16-24	3/8-24	7/16-20	1/2-20
Head dia dk	max	0.363	0.439	0.550	0.659	0.760	0.878
	min	0.345	0.417	0.524	0.633	0.730	0.848
Major dia d	max	0.190	0.250	0.3125	0.375	0.438	0.500
	min	0.1840	0.2435	0.3053	0.3678	0.3540	0.4919
Head Height k	max	0.103	0.134	0.168	0.201	0.242	0.268
	min	0.089	0.120	0.150	0.183	0.224	0.242
Socket s		0.125	0.156	0.188	0.219	0.250	0.312
Key Size		1/8	5/32	3/16	7/32	1/4"	5/16

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

All Dimensions in Inches

Length↓ Size→	10-32	1/4-28	5/16-24	3/8-24	7/16-20	1/2-20
1/4"	R6C22v13262					
5/16"	R6C22v13279					
3/8"	R6C22v13291	R6C22v62091	R6C22v79019			
7/16"	R6C22v13211	R6C22v62011	R6C22v79011			
1/2"	R6C22v13213	R6C22v62013	R6C22v79013	R6C22v91013		
5/8"	R6C22v13215	R6C22v62015	R6C22v79015	R6C22v91015	R6C22v11015	R6C22v13015
3/4"	R6C22v13219	R6C22v62019	R6C22v79019	R6C22v91019	R6C22v11019	R6C22v13019
7/8"	R6C22v13223	R6C22v62023	R6C22v79023	R6C22v91023	R6C22v11023	R6C22v13023
1"	R6C22v13225	R6C22v62025	R6C22v79025	R6C22v91025	R6C22v11025	R6C22v13025
1-1/4"	R6C22v13231	R6C22v62031	R6C22v79031	R6C22v91031	R6C22v11031	R6C22v13031
1-1/2"	R6C22v13238	R6C22v62038	R6C22v79038	R6C22v91038	R6C22v11038	R6C22v13038
1-3/4"	R6C22v13244	R6C22v62044	R6C22v79044	R6C22v91044	R6C22v11044	R6C22v13044
2"	R6C22v13251	R6C22v62051	R6C22v79051	R6C22v91051	R6C22v11051	R6C22v13051
2-1/4"	R6C22v13256	R6C22v62056	R6C22v79056	R6C22v91056	R6C22v11056	R6C22v13056
2-1/2"	R6C22v13263	R6C22v62063	R6C22v79063	R6C22v91063	R6C22v11063	R6C22v13063
3"		R6C22v62076	R6C22v79076	R6C22v91076	R6C22v11076	R6C22v13076
3-1/2"		R6C22v62089	R6C22v79089	R6C22v91089	R6C22v11089	R6C22v13089
4"		R6C22v62102	R6C22v79102	R6C22v91102	R6C22v11102	R6C22v13102

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