



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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TECHNICAL DATA SHEET

ALLEN BUTTON HEAD CAP SCREW (BHCS)



MATERIAL- STAINLESS STEEL

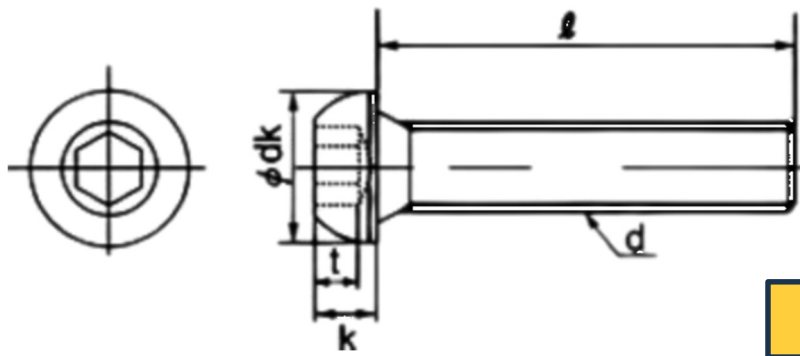
GRADE-SS304 (A2-70)

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

CATALOGUE NO. R4C22v

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

Dim↓ Size→		Thread Class - 2A					
		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"	R4C22v13262					
5/16"	R4C22v13279					
3/8"	R4C22v13291	R4C22v62091	R4C22v79019			
7/16"	R4C22v13211	R4C22v62011	R4C22v79011			
1/2"	R4C22v13213	R4C22v62013	R4C22v79013	R4C22v91013		
5/8"	R4C22v13215	R4C22v62015	R4C22v79015	R4C22v91015	R4C22v11015	R4C22v13015
3/4"	R4C22v13219	R4C22v62019	R4C22v79019	R4C22v91019	R4C22v11019	R4C22v13019
7/8"	R4C22v13223	R4C22v62023	R4C22v79023	R4C22v91023	R4C22v11023	R4C22v13023
1"	R4C22v13225	R4C22v62025	R4C22v79025	R4C22v91025	R4C22v11025	R4C22v13025
1-1/4"	R4C22v13231	R4C22v62031	R4C22v79031	R4C22v91031	R4C22v11031	R4C22v13031
1-1/2"	R4C22v13238	R4C22v62038	R4C22v79038	R4C22v91038	R4C22v11038	R4C22v13038
1-3/4"	R4C22v13244	R4C22v62044	R4C22v79044	R4C22v91044	R4C22v11044	R4C22v13044
2"	R4C22v13251	R4C22v62051	R4C22v79051	R4C22v91051	R4C22v11051	R4C22v13051
2-1/4"	R4C22v13256	R4C22v62056	R4C22v79056	R4C22v91056	R4C22v11056	R4C22v13056
2-1/2"	R4C22v13263	R4C22v62063	R4C22v79063	R4C22v91063	R4C22v11063	R4C22v13063
3"		R4C22v62076	R4C22v79076	R4C22v91076	R4C22v11076	R4C22v13076
3-1/2"		R4C22v62089	R4C22v79089	R4C22v91089	R4C22v11089	R4C22v13089
4"		R4C22v62102	R4C22v79102	R4C22v91102	R4C22v11102	R4C22v13102

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