



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

ULTRA LOW-PROFILE ALLEN HEAD SCREW



MATERIAL- STAINLESS STEEL

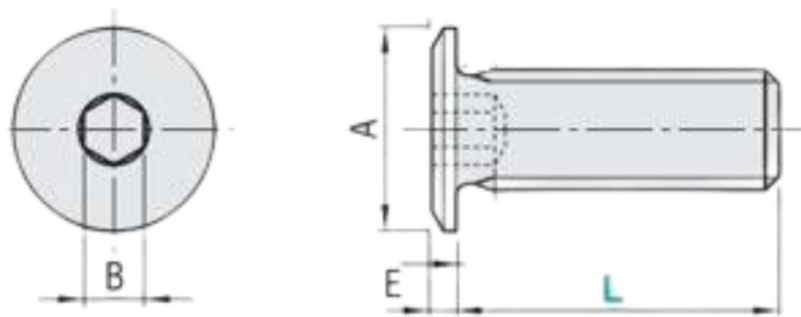
GRADE-SS304 (A2-70)

AS PER-NON-STANDARD

CATALOGUE NO. R4C85

INSTALLATION GUIDE

- VERIFY THE SCREW SIZE, THREAD PITCH, LENGTH, AND HEAD DIMENSIONS 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 LOW HEAD DESIGN PROVIDES SUFFICIENT CLEARANCE FOR THE APPLICATION.
- ALIGN THE COMPONENTS AND INSERT THE SCREW THROUGH THE MOUNTING 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 ULTRA LOW-PROFILE HEAD SITS FLUSH AND EVENLY AGAINST THE MATING SURFACE.
- DO NOT OVERTIGHTEN, AS THE LOW-PROFILE HEAD HAS A REDUCED DRIVE DEPTH AND MAY BE DAMAGED.
- VERIFY THAT THE SCREW IS FULLY SEATED AND PROVIDES THE REQUIRED CLAMPING FORCE.
- CHECK THAT THERE IS NO MOVEMENT OR MISALIGNMENT BETWEEN THE ASSEMBLED COMPONENTS.
- INSPECT THE FINAL ASSEMBLY FOR PROPER SEATING, ALIGNMENT, AND SECURE FASTENING.
- RE-TIGHTEN IF REQUIRED AFTER INITIAL LOADING OR AS PER MAINTENANCE SPECIFICATIONS.



Parameter↓ Size→		M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8	M6x1.0	M8x1.25
Head Diameter dk	Max	4.10	6.10	7.10	8.10	9.10	12.20	14.20
	Min	0.50	0.60	0.80	0.90	1.00	1.30	2.30
Head Thickness k	Max	0.75	0.90	1.10	1.20	1.20	1.70	2.60
	Min	0.75	0.90	1.10	1.20	1.20	1.70	2.60
Tool Size		1.5 mm	1.5 mm	2 mm	2.5 mm	2.5 mm	3 mm	5 mm
Suggested Tightening Torque		0.10	0.20	0.40	1.00	2.30	3.80	8.00

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

All Dimensions in mm

Dia → Length ↓	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8	M6x1.0	M8x1.25
3	R4C8502003	R4C8520503					
4	R4C8502004	R4C8520504	R4C8503004				
5	R4C8502005	R4C8520505	R4C8503005	R4C8504005			
6	R4C8502006	R4C8520506	R4C8503006	R4C8504006	R4C8505006		
8	R4C8502008	R4C8520508	R4C8503008	R4C8504008	R4C8505008	R4C8506008	
10	R4C8502010	R4C8520510	R4C8503010	R4C8504010	R4C8505010	R4C8506010	R4C8508010
12	R4C8502012	R4C8520512	R4C8503012	R4C8504012	R4C8505012	R4C8506012	R4C8508012
14	R4C8502014	R4C8520514	R4C8503014	R4C8504014	R4C8505014	R4C8506014	R4C8508014
16	R4C8502016	R4C8520516	R4C8503016	R4C8504016	R4C8505016	R4C8506016	R4C8508016
18	R4C8502018	R4C8520518	R4C8503018	R4C8504018	R4C8505018	R4C8506018	R4C8508018
20	R4C8502020	R4C8520520	R4C8503020	R4C8504020	R4C8505020	R4C8506020	R4C8508020
22	R4C8502022	R4C8520522	R4C8503022	R4C8504022	R4C8505022	R4C8506022	R4C8508022
25	R4C8502025	R4C8520525	R4C8503025	R4C8504025	R4C8505025	R4C8506025	R4C8508025
30		R4C8520530	R4C8503030	R4C8504030	R4C8505030	R4C8506030	R4C8508030
35			R4C8503035	R4C8504035	R4C8505035	R4C8506035	R4C8508035
40			R4C8503040	R4C8504040	R4C8505040	R4C8506040	R4C8508040
45				R4C8504045	R4C8505045	R4C8506045	R4C8508045
50				R4C8504050	R4C8505050	R4C8506050	R4C8508050

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