



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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TECHNICAL DATA SHEET

SELF CLINCHING FLUSH NUT



MATERIAL- STAINLESS STEEL

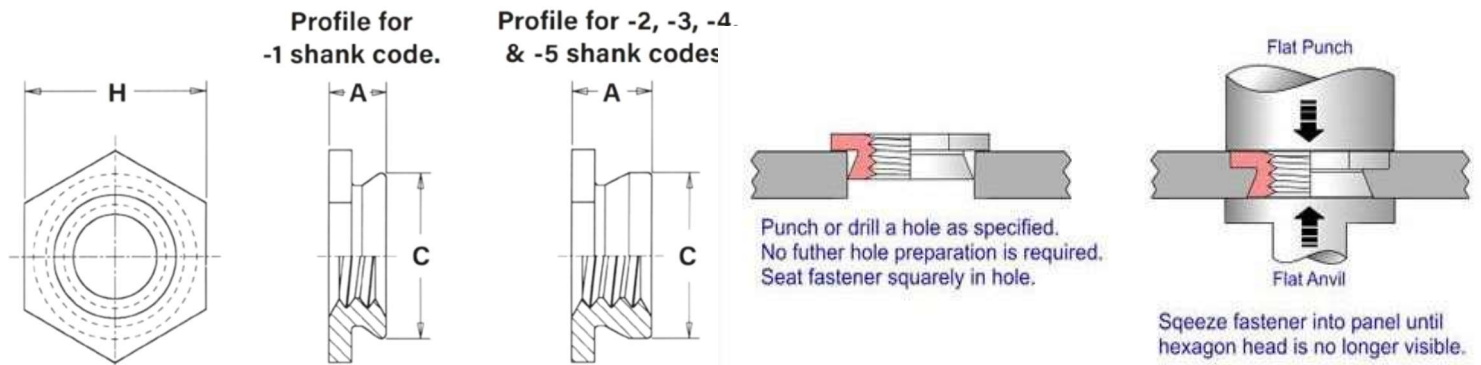
GRADE-SS304 (A2)

AS PER-NON-STANDARD

CATALOGUE NO. R4S17

INSTALLATION GUIDE

- VERIFY THE SELF CLINCHING FLUSH NUT SIZE, THREAD SPECIFICATION, AND PANEL THICKNESS MATCH THE APPLICATION REQUIREMENT.
- INSPECT THE NUT FOR DAMAGE, DEFORMATION, OR THREAD DEFECTS BEFORE INSTALLATION.
- ENSURE THE PANEL MATERIAL IS SUITABLE FOR SELF CLINCHING INSTALLATION AND IS SOFTER THAN THE NUT.
- PREPARE THE PANEL HOLE TO THE RECOMMENDED DIAMETER AND TOLERANCE.
- DO NOT ENLARGE THE HOLE BY DRILLING AFTER THE HOLE HAS BEEN PUNCHED OR PREPARED.
- REMOVE ALL BURRS, OIL, DUST, AND DEBRIS FROM THE PANEL HOLE.
- POSITION THE FLUSH NUT CORRECTLY IN THE PREPARED HOLE WITH THE CLINCHING FEATURES FACING THE PANEL.
- ENSURE THE NUT IS POSITIONED SQUARELY AND ALIGNED WITH THE PANEL HOLE.
- USE A PARALLEL-PRESS TOOL OR SUITABLE CLINCHING PRESS FOR INSTALLATION.
- APPLY A STRAIGHT AND EVEN PRESSING FORCE UNTIL THE NUT IS FULLY SEATED.
- ENSURE THE HEAD OF THE NUT SITS FLUSH WITH OR BELOW THE PANEL SURFACE AS SPECIFIED.
- DO NOT USE A HAMMER OR IMPACT TOOL FOR INSTALLATION.
- VERIFY THAT THE PANEL MATERIAL HAS FLOWED INTO THE CLINCHING GROOVE TO PROVIDE SECURE RETENTION.
- CHECK THAT THE NUT DOES NOT ROTATE, MOVE, OR PULL OUT AFTER INSTALLATION.
- INSTALL THE MATING SCREW BY HAND INITIALLY TO PREVENT CROSS-THREADING.
- TIGHTEN THE MATING SCREW TO THE SPECIFIED TORQUE VALUE.
- INSPECT THE FINAL ASSEMBLY FOR PROPER FLUSH SEATING, THREAD ALIGNMENT, SECURE RETENTION, AND OVERALL INSTALLATION QUALITY.



Size →	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8	M6x1.0
C max	4.35	4.35	4.35	7.35	7.90	8.72
H (Across Flat) nom	4.80	4.80	4.80	7.90	8.70	9.50
Hole size in sheet + 0.08	4.37	4.37	4.37	7.37	7.92	8.74
Min dist hole centre to edge	6.00	6.00	6.00	7.20	8.00	8.80

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

All Dimensions in mm

Size d	Shank Code	PART NUMBER	Sheet Thickness	Shank A	Mating Screw tightening torque Nm	Axial tensile strength kN	Installation Force kN		Pushout Force N	
			Min	Max			AL	ST	AL	ST
M2x0.4	1	R4S1702001	1.53	1.53	0.14	0.54	8.90	13.30	665	890
	2	R4S1702002	2.32	2.30						
M2.5x0.45	1	R4S1720501	1.53	1.53	0.20	0.64	8.90	13.30	665	890
	2	R4S1720502	2.32	2.30						
M3x0.5	1	R4S1703001	1.53	1.53	0.32	0.80	8.90	13.30	665	890
	2	R4S1703002	2.32	2.30						
M4x0.7	1	R4S1704001	1.53	1.53	0.52	0.94	8.90	17.80	1060	1060
	2	R4S1704002	2.32	2.30						
M5x0.8	1	R4S1705001	1.53	1.53	0.80	1.20	11.10	22.20	1050	1060
	2	R4S1705002	2.32	2.30						
M6x1.0	3	R4S1706003	3.18	3.04	3.00	4.00	15.60	26.70	2800	3600
	4	R4S1706004	3.96	3.84						
	5	R4S1706005	4.75	4.63						

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