



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

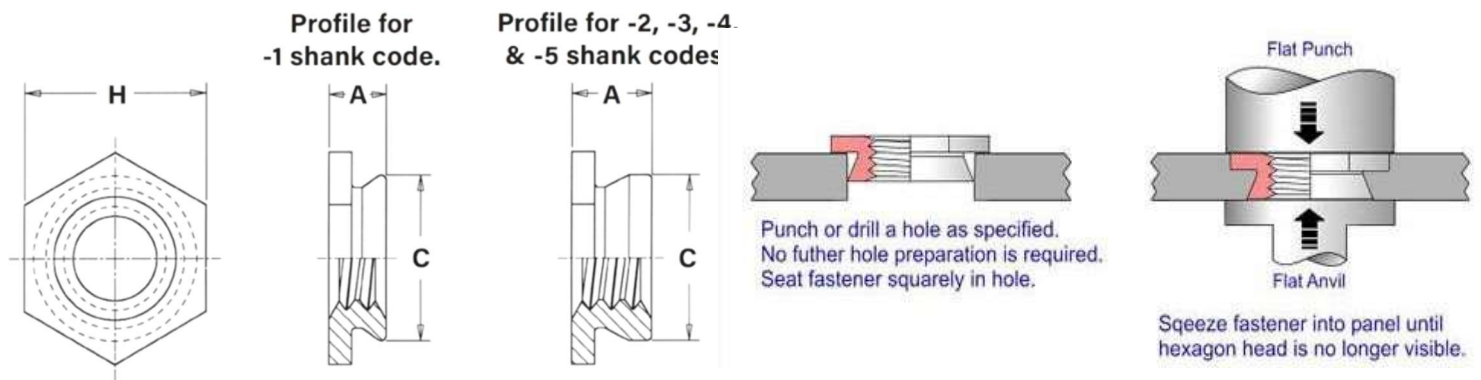
GRADE-SS304 (A2)

AS PER-NON-STANDARD

CATALOGUE NO. R4S17u

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.



UNIFIED SERIES

Size →	#2-56	#4-40	#6-32	#8-32	#10-32 UNF	1/4"-20
C max	0.171	0.171	0.212	0.289	0.311	0.343
H (Across Flat) nom	0.188	0.188	0.250	0.312	0.343	0.375
Hole size in sheet + 0.08	0.172	0.172	0.213	0.290	0.312	0.344
Min dist hole centre to edge	0.23	0.23	0.27	0.28	0.31	0.34

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 lbs	Axial tensile strength lbs	Installation Force lbs		Pushout Force lbs	
			Min	Max			AL	ST	AL	ST
#2-56	1	R4S17u25601	0.060	0.060	1.40	120	2000	3000	140	190
	2	R4S17u25602	0.091	0.090						
#4-40	1	R4S17u44001	0.060	0.060	2.40	160	2000	3000	140	190
	2	R4S17u44002	0.091	0.090						
#6-32	1	R4S17u63201	0.060	0.060	3.00	180	2000	3600	190	190
	2	R4S17u63202	0.091	0.090						
#8-32	1	R4S17u83201	0.060	0.060	5.10	220	2000	4000	230	240
	2	R4S17u83202	0.091	0.090						
#10-32UNF	1	R4S17v13201	0.060	0.060	7.30	270	2500	5000	230	240
	2	R4S17v13202	0.091	0.090						
1/4"-20	3	R4S17u62001	0.125	0.120	34.00	900	3500	6000	620	820
	4	R4S17u62002	0.156	0.151						
	5	R4S17u62003	0.187	0.182						

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