



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

SELF CLINCHING NUT (CLS)



MATERIAL- STAINLESS STEEL

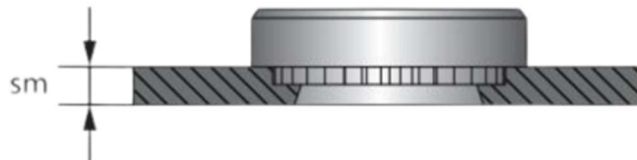
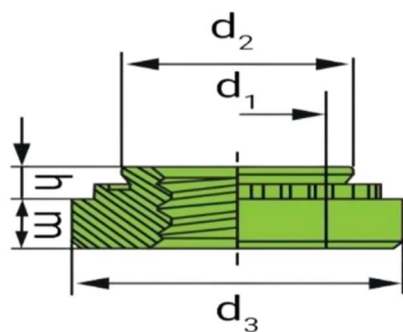
GRADE-SS304 (A2)

AS PER-NON-STANDARD

CATALOGUE NO. R4S15u

INSTALLATION GUIDE

- VERIFY THE NUT SIZE, THREAD TYPE, AND MATERIAL MATCH THE APPLICATION REQUIREMENT.
- ENSURE THE BASE MATERIAL IS DUCTILE AND SUITABLE FOR SELF CLINCHING INSTALLATION.
- PUNCH OR DRILL THE MOUNTING HOLE TO THE SPECIFIED DIAMETER AND TOLERANCE.
- CONFIRM THE HOLE IS ROUND, CLEAN, AND FREE FROM BURRS OR CONTAMINATION.
- INSERT THE SELF CLINCHING NUT INTO THE HOLE FROM THE CORRECT INSTALLATION SIDE.
- ENSURE THE NUT HEAD OR FLANGE IS FLUSH AGAINST THE BASE MATERIAL SURFACE.
- USE A FLAT, PARALLEL PRESS TOOL OR HYDRAULIC PRESS FOR INSTALLATION.
- APPLY STEADY, AXIAL PRESS FORCE WITHOUT ROTATION.
- ALLOW THE BASE MATERIAL TO FLOW INTO THE NUT'S UNDERCUT GROOVE.
- DO NOT HAMMER OR APPLY IMPACT FORCE DURING INSTALLATION.
- VERIFY THE NUT IS FULLY SEATED AND FLUSH WITH THE MATERIAL SURFACE.
- CHECK THAT THE NUT DOES NOT SPIN OR PULL OUT AFTER INSTALLATION.
- AVOID OVER-PRESSING TO PREVENT PANEL DISTORTION OR THREAD DAMAGE.
- ENSURE THREADS ARE CLEAR AND UNDAMAGED AFTER INSTALLATION.
- INSPECT THE FINAL ASSEMBLY FOR ALIGNMENT, HOLDING STRENGTH, AND SURFACE FLATNESS.



UNC SERIES

Size→ Dimension↓		#2-56	#3-48	#4-40	#6-32	#8-32	#10-24	#12-24	1/4"-20	5/16"-18
Collar dia d2	max	0.165	0.165	0.165	0.187	0.212	0.249	0.276	0.343	0.412
Nut dia d3	±0.01	0.250	0.250	0.250	0.280	0.310	0.340	0.370	0.440	0.500
Nut thickness m	±0.01	0.070	0.070	0.070	0.070	0.090	0.090	0.130	0.170	0.230
Hole Size in Sheet	+0.003	0.166	0.166	0.166	0.187	0.213	0.250	0.277	0.344	0.413
Minimum edge distance to hole centre		0.19	0.19	0.19	0.22	0.27	0.28	0.31	0.34	0.38

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

All Dimensions in Inches

Parameter→ Size↓	Shank Code	Item Code	Min Sheet Thickness sm	h (Shank) Max.	Press In (Installation) lbs.		Push out lbs		Torque out lb	
					Aluminium	Steel	Aluminium	Steel	Aluminium	Steel
#2-56	0	R4S15u25600	0.030	0.030	1500- 2000	2500- 3500	63	105	8	13
	1	R4S15u25601	0.040	0.038			90	125	10	15
	2	R4S15u25602	0.056	0.054			170	230	13	18
#3-48	0	R4S15u34800	0.030	0.030	1500- 2000	2500- 3500	63	105	8	13
	1	R4S15u34801	0.040	0.038			90	125	10	15
	2	R4S15u3480	0.056	0.054			170	230	13	18
#4-40	0	R4S15u44000	0.030	0.030	1500- 2000	2500- 3500	63	105	8	13
	1	R4S15u44001	0.040	0.038			90	125	10	15
	2	R4S15u44002	0.056	0.054			170	230	13	18
#6-32	0	R4S15u63200	0.030	0.030	2500- 3000	3000- 6000	63	110	16	16
	1	R4S15u63201	0.040	0.038			95	130	17	20
	2	R4S15u63202	0.056	0.054			190	275	22	28
#8-32	0	R4S15u83200	0.030	0.030	2500- 3000	4000- 6000	68	110	21	26
	1	R4S15u83201	0.040	0.038			105	145	23	35
	2	R4S15u83202	0.056	0.054			220	285	35	45
#10-24	0	R4S15u12400	0.030	0.030	2500- 3500	4000- 6000	68	120	26	32
	1	R4S15u12401	0.040	0.038			110	180	32	40
	2	R4S15u12402	0.056	0.054			190	320	50	60
#12-24	0	R4S15u12240	0.038	0.040	2500- 6500	5000- 7500	120	200	63	74
	1	R4S15u12241	0.054	0.056			285	350	70	80
	2	R4S15u12242	0.087	0.090			285	350	70	80
1/4"-20	1	R4S15u62001	0.054	0.056	4000- 7000	6000- 8000	360	400	90	150
	2	R4S15u62002	0.087	0.090					125	
5/16-18	1	R4S15u79001	0.054	0.056	4000- 7000	6000- 8000	380	420	160	180
	2	R4S15u79002	0.087	0.090						

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