



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

# ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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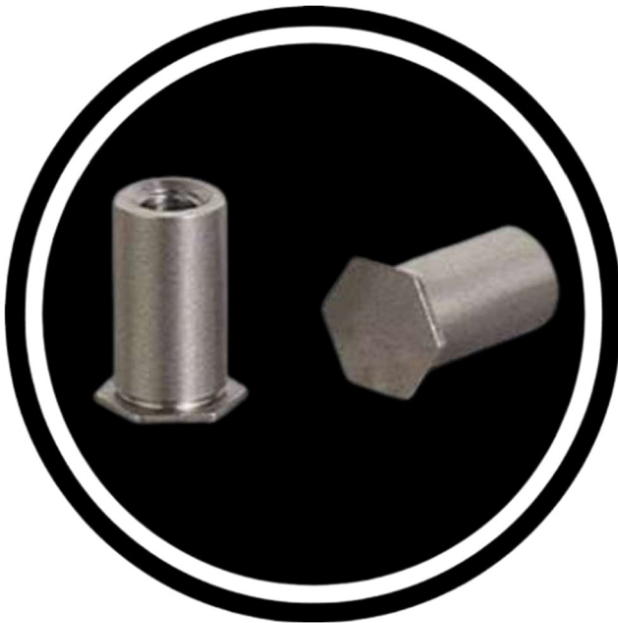
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## TECHNICAL DATA SHEET

### SELF CLINCHING BLIND STANDOFF (BSOS)



MATERIAL- STAINLESS STEEL

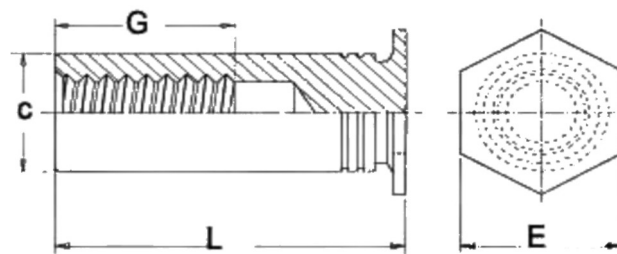
GRADE-SS304 (A2)

AS PER-NON-STANDARD

CATALOGUE NO. R4S20

### INSTALLATION GUIDE

- VERIFY THE STANDOFF SIZE, LENGTH, 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 BLIND STANDOFF INTO THE HOLE FROM THE SPECIFIED INSTALLATION SIDE.
- ENSURE THE STANDOFF HEAD IS FLUSH AGAINST THE BASE MATERIAL SURFACE BEFORE PRESSING.
- 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 STANDOFF'S UNDERCUT GROOVE.
- DO NOT HAMMER OR APPLY IMPACT FORCE DURING INSTALLATION.
- VERIFY THE STANDOFF SHOULDER IS FULLY SEATED AND FLUSH WITH THE PANEL SURFACE.
- ENSURE THE BLIND END REMAINS SEALED AND UNDAMAGED AFTER INSTALLATION.
- CHECK THAT THE STANDOFF DOES NOT SPIN OR PULL OUT AFTER INSTALLATION.
- AVOID OVER-PRESSING TO PREVENT PANEL DISTORTION OR STANDOFF DAMAGE.
- CONFIRM THE INTERNAL THREAD IS CLEAR AND FREE FROM DEFORMATION.
- INSPECT THE FINAL ASSEMBLY FOR ALIGNMENT, HOLDING STRENGTH, AND SURFACE FLATNESS.



Size	M2x0.4	M2.5x0.45	M3x0.5	3.5M3x0.5	M3.5x0.6	M4x0.7	M5x0.8	
C	4.20	4.20	4.20	5.39	5.39	7.12	7.12	
E	4.80	4.80	4.80	6.40	6.40	7.90	7.90	
Hole in Sheet +0.08	4.22	4.22	4.22	5.41	5.41	7.14	7.14	
Min sheet thickness	1.02	1.02	1.02	1.02	1.02	1.27	1.27	
Min Hole C/L to edge	6.00	6.00	6.00	6.80	6.80	8.00	8.00	
Max tightening torque for mating screw Nm	0.20	0.20	0.40	0.40	0.70	1.40	2.60	
Installation KN	5052-H34 AL	4.80	4.80	4.80	7.50	7.50	10.60	10.60
	Cold Rolled Sheet	9.60	9.60	9.60	14.50	14.50	17.60	17.60
Pushout N	5052-H34 AL	700	700	700	1300	1300	1750	1750
	Cold Rolled Sheet	1000	1000	1000	1860	1860	2480	2480
Torque Out NM	5052-H34 AL	1.02	1.02	1.24	1.24	2.82	5.08	5.08
	Cold Rolled Sheet	1.95	1.95	2.15	2.15	3.90	8.40	8.40

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

All Dimensions in mm

G Min	Dia→ Length↓	M2x0.4	M2.5x0.45	M3x0.5	3.5M3x0.5	M3.5x0.6	M4x0.7	M5x0.8
	3	R4S2002003	R4S2020503	R4S2003003	R4S2003103		R4S2004003	
	4	R4S2002004	R4S2020504	R4S2003004	R4S2003104	R4S2030504	R4S2004004	
2.40	5	R4S2002005	R4S2020505	R4S2003005	R4S2003105	R4S2030505	R4S2004005	R4S2005005
3.20	6	R4S2002006	R4S2020506	R4S2003006	R4S2003106	R4S2030506	R4S2004006	R4S2005006
	8	R4S2002008	R4S2020508	R4S2003008	R4S2003108	R4S2030508	R4S2004008	R4S2005008
4.00	10	R4S2002010	R4S2020510	R4S2003010	R4S2003110	R4S2030510	R4S2004010	R4S2005010
5.00	12	R4S2002012	R4S2020512	R4S2003012	R4S2003112	R4S2030512	R4S2004012	R4S2005012
6.50	14	R4S2002014	R4S2020514	R4S2003014	R4S2003114	R4S2030514	R4S2004014	R4S2005014
	16	R4S2002016	R4S2020516	R4S2003016	R4S2003116	R4S2030516	R4S2004016	R4S2005016
9.50	18			R4S2003018	R4S2003118	R4S2030518	R4S2004018	R4S2005018
	20			R4S2003020	R4S2003120	R4S2030520	R4S2004020	R4S2005020
	22			R4S2003022	R4S2003122	R4S2030522	R4S2004022	R4S2005022
	25			R4S2003025	R4S2003125	R4S2030525	R4S2004025	R4S2005025
	30			R4S2003030	R4S2003130	R4S2030530	R4S2004030	R4S2005030
	35			R4S2003035	R4S2003135	R4S2030535	R4S2004035	R4S2005035
	40			R4S2003040	R4S2003140	R4S2030540	R4S2004040	R4S2005040
Length Tolerance +0.05 -0.13								

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