



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

PANEL CAPTIVE FASTENERS PF11



MATERIAL-ALUMINIUM-STEEL-SS304

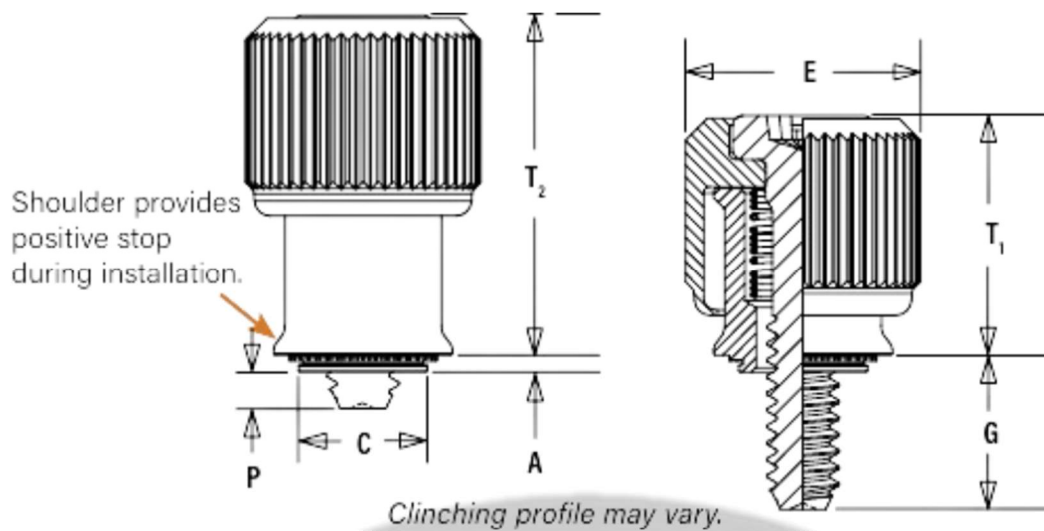
GRADE-ALU-SS304

AS PER-NON-STANDARD

CATALOGUE NO. RLS41

INSTALLATION GUIDE

- VERIFY THE PANEL CAPTIVE SCREW PF11 SIZE, THREAD TYPE, AND PANEL THICKNESS COMPATIBILITY BEFORE INSTALLATION.
- INSPECT THE SCREW, RETAINER, AND PANEL FOR DAMAGE, DEFORMATION, OR CONTAMINATION.
- ENSURE THE PANEL HOLE DIAMETER AND COUNTERBORE (IF REQUIRED) MEET THE SPECIFIED DIMENSIONS.
- CLEAN THE PANEL HOLE AND MATING THREADS TO REMOVE DUST, BURRS, OR DEBRIS.
- INSERT THE CAPTIVE SCREW THROUGH THE PANEL FROM THE CORRECT SIDE.
- INSTALL THE PF11 RETAINING COMPONENT TO SECURE THE SCREW PERMANENTLY TO THE PANEL.
- VERIFY THAT THE SCREW ROTATES FREELY WHILE REMAINING CAPTIVE IN THE PANEL.
- ALIGN THE PANEL WITH THE MATING THREADED COMPONENT.
- START THREADING THE SCREW BY HAND TO PREVENT CROSS-THREADING.
- USE THE APPROPRIATE DRIVER TO TIGHTEN THE SCREW TO THE SPECIFIED TORQUE.
- ENSURE THE PANEL IS FIRMLY CLAMPED WITHOUT DISTORTION.
- DO NOT OVERTIGHTEN, AS THIS MAY DAMAGE THE THREADS, PANEL, OR RETAINER.
- VERIFY THAT THE SCREW REMAINS CAPTIVE AFTER LOOSENING AND CANNOT BE REMOVED FROM THE PANEL.
- CHECK THAT THE PANEL OPENS AND CLOSSES SMOOTHLY WITHOUT BINDING.
- INSPECT THE FINAL ASSEMBLY FOR PROPER RETENTION, ALIGNMENT, AND SECURE FASTENING.



Thread Size →		M3x0.5	M3.5x0.6	M4x0.7	M5x0.8	M6x1.0
A Max.		0.92	0.92	0.92	0.92	0.92
Min Sheet Thickness		0.92	0.92	0.92	0.92	0.92
Hole Size In Sheet +.008		5.56	6.35	7.92	7.92	9.53
C Max.		5.54	6.33	7.90	7.90	9.51
E ± 0.50		10.59	11.43	13.06	13.06	14.61
T ₁ Nom.		7.87	11.43	11.43	11.43	13.46
T ₂ Nom.		11.43	16.26	16.26	16.26	20.07
Driver Size		#1	#2	#2	#2	#3
Min. Dist. Hole To Edge		7.11	7.37	8.38	8.38	11.68
G ± 0.74	Length Code 0	4.32	5.84	5.84	5.84	7.37
	Length Code 1	5.84	7.37	7.37	7.37	8.89
	Length Code 2	7.37	8.89	8.89	8.89	10.41
P ± 0.74	Length Code 0	0.00	0.00	0.00	0.00	0.00
	Length Code 1	1.52	1.52	1.52	1.52	1.52
	Length Code 2	3.05	3.05	3.05	3.05	3.05

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

All Dimensions in mm

Thread Size→ Screw Length Code↓	M3x0.5	M3.5x0.6	M4x0.7	M5x0.8	M6x1.0
0	RLS4103000	RLS4130500	RLS4104000	RLS4105000	RLS4106000
1	RLS4103001	RLS4130501	RLS4104001	RLS4105001	RLS4106001
2	RLS4103002	RLS4130502	RLS4104002	RLS4105002	RLS4106002

		Performance Data				
Test Sheet Material		M3x0.5	M3.5x0.6	M4x0.7	M5x0.8	M6x1.0
Installation (kN)	Aluminium	6.7	6.7	13.3	13.3	15.6
	Steel	11.1	11.1	20.0	20.0	22.2
Retainer Pushout (N)	Aluminium	355	355	445	445	465
	Steel	645	645	710	710	865

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