



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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TECHNICAL DATA SHEET

PANEL CAPTIVE FASTENERS PF11



MATERIAL-ALUMINIUM-STEEL-SS304

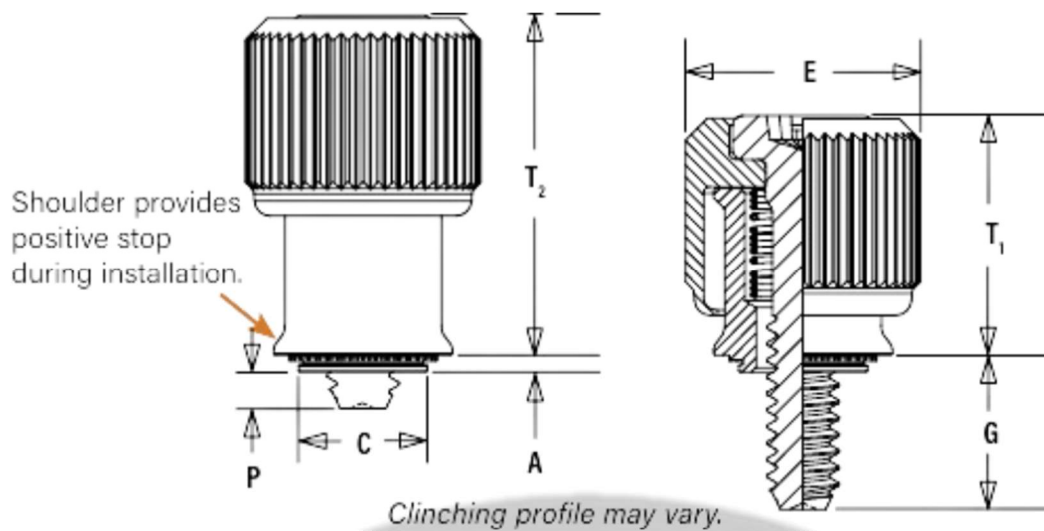
GRADE-ALU-SS304

AS PER-NON-STANDARD

CATALOGUE NO. RLS41u

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.



UNIFIED SERIES

Thread Size →	#4-40	#6-32	#8-32	#10-32 UNF	1/4-20
A Max	0.036	0.036	0.036	0.036	0.036
Sheet thickness Min	0.036	0.036	0.036	0.036	0.036
Hole Size in Sheet +.003	0.219	0.250	0.312	0.312	0.375
C Max.	0.218	0.249	0.311	0.311	0.374
E ± .015	0.417	0.450	0.514	0.514	0.575
T ₁ Nom.	0.310	0.450	0.450	0.450	0.530
T ₂ Nom.	0.450	0.640	0.640	0.640	0.790
Driver Size	#1	#2	#2	#2	#3
Min. Dist. Hole to Edge	0.28	0.29	0.33	0.33	0.46
G ± .035	Length Code 0	0.17	0.23	0.23	0.29
	Length Code 1	0.23	0.29	0.29	0.35
	Length Code 2	0.29	0.35	0.35	0.41
P ± .035	Length Code 0	0.00	0.00	0.00	0.00
	Length Code 1	0.06	0.06	0.06	0.06
	Length Code 2	0.12	0.12	0.12	0.12

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

All Dimensions in Inches

Thread Size→ Screw Length Code↓	#4-40	#6-32	#8-32	#10-32 UNF	1/4-20
0	RLS41u44000	RLS41u63200	RLS41u83200	RLS41v13200	RLS41u62000
1	RLS41u44001	RLS41u63201	RLS41u83201	RLS41v13201	RLS41u62001
2	RLS41u44002	RLS41u63202	RLS41u83202	RLS41v13202	RLS41u62002

		Performance Data				
Test Sheet Material		#4-40	#6-32	#8-32	#10-32	1/4-20
Installation (lbs.)	Aluminium	1500	2000	3000	3000	3500
	Steel	2500	3500	4500	4500	5000
Retainer Pushout (lbs.)	Aluminium	80	95	100	100	105
	Steel	145	150	160	160	195

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