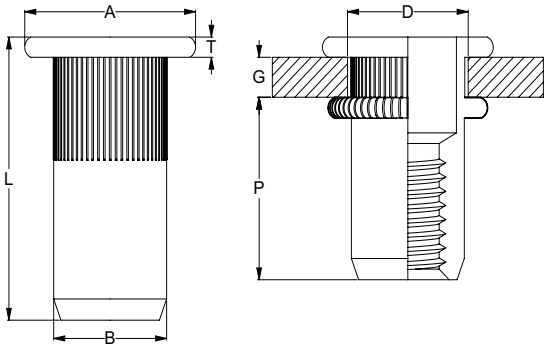
PRODUCT DATA

Rivet Nut Flat Round Knurl Open (Aluminium)

Applications
• Used in automotive industry to fasten body panels, chassis components and other parts • Used in construction to fasten steel sheets • Ideal for load bearing applications where material is too thin for bolting • Useful for applications where there is no access for a traditional nut • Low installation cost and ease of installation

Material	ALUM Aluminium
Finish	ALUM Aluminium



Dimensions

Part	Size	Length	Grip Range		Hole Diameter	Body Diameter	Head Diameter	Head Thickness	Protrusion
	(mm)	**L** (mm)	**G** (mm)		**D** (mm)	**B** (mm)	**A** (mm)	**T** (mm)	**P** (mm)
			Min	**Max**					
NRALPFKOM04110	M4	11.0	0.5	2.0	6.0	5.9	9.0	1.0	6.0
NRALPFKOM05130	M5	13.0	0.5	2.5	7.0	6.9	10.0	1.0	7.5
NRALPFKOM06160	M6	16.0	0.5	3.0	9.0	8.9	12.0	1.5	9.2
NRALPFKOM08175	M8	17.5	0.5	3.0	11.0	10.9	15.0	1.5	10.2
NRALPFKOM10190	M10	19.0	0.5	3.0	13.0	12.9	16.0	2.0	11.5

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Pullout Values					
Part	Material Properties of Plates	Thickness of Plates	[1]Mean Load	[2]Characteristic Load	[3]Working Load
		(mm)	(N)	(N)	(N)
NRALPFKOM04110	Aluminium	1.2	1650	1500	600
NRALPFKOM05130	Aluminium	1.2	2050	1700	650
NRALPFKOM06160	Aluminium	3.0	4650	4100	1650
NRALPFKOM08175	Aluminium	3.0	4900	4350	1750
NRALPFKOM10190	Aluminium	3.0	6850	5000	2000

Mechanical Properties			
	Proof Load	Shear	Torsional Strength
	(N)	(N)	(Nm)
M4	4000	1000	2.5
M5	6500	1200	5.0
M6	7800	2000	8.0
M8	12300	2400	20.0
M10	17500	3800	25.0

Note: 1000N = 1kN
1 Mean Load/Strength is the average ultimate strength of samples tested.
2 Characteristic Load/Strength: 95% of these items are expected to have a strength greater than the loads shown.
3 Working Load is the governing minimum allowable load obtained by comparing relevant steel working loads. Factor of Safety (FOD = 2.5 for steel) is already included.

All values were obtained under laboratory conditions using Rivet Nut products. Safety factors should be considered for design purposes. Actual pullout loads may differ slightly depending on certain properties of the plate material.

You can download this Test Certificate and/or Report from our website:

hobson.com.au