



12031.1

LOW PROFILE SIDE CLAMPING

Material

Tool: steel (HRC 43-45) or brass.
Screw: steel and oil resistant nitrile rubber.
O-ring: plastic.

Technical Notes

Provides positive down force and a very low grip height. High vertical and horizontal clamping forces. The O-ring lifts the clamp when unclamping.
Hardness: approx. HRC 45.
Temperature range -30°C to +80°C.
Clamps sold by pack quantity.

Tips

The tool steel blunt edge is less likely to mark workpieces, whilst the knife edge version bites into the material for more aggressive machining requirements. Often used with 12034 Talongrip or 12036 Versagrip. Location rails are ideal for use with pitbull clamps.

Important Notes

1. Machine a slot for the Pitbull clamp in the fixture according to dimensions „w₁“ and „h₁“.

2. Drill and tap a fixing hole to match screw size- refer to dimension „l₁“ for distance of hole from the component.
3. Assemble clamp as shown in the diagram above.
4. Position the clamp, and loosely screw to fixture.
5. Load the component and tighten screw cap.
Dimension „h₂“ is the minimum recommended clamping height.

Order No.	Material	Type	Qty/pack	d ₁	h ₁	h ₂	h ₃	l ₁	Stroke s ₁	w ₁	Torque to Nm max.	Holding force kN	Weight g
12031.W0015	Brass	Blunt Edge	8	M 2,5	3.6	1.9	5.6	3.8	0.2	9.5	0.6	0.9	45
12031.W0040	Brass	Blunt Edge	8	M 4	4.8	2.6	8.6	5.1	0.4	12.7	2.8	1.8	64
12031.W0065	Brass	Blunt Edge	6	M 6	7.1	3.8	11.2	7.6	0.6	19.0	5.6	4.2	163
12031.W0005	Tool Steel	Knife Edge	8	M 2,5	3.6	1.9	6.6	3.8	0.2	9.5	1.8	2.8	32
12031.W0010	Tool Steel	Blunt Edge	8	M 2,5	3.6	1.9	6.6	3.8	0.2	9.5	1.8	2.8	45
12031.W0020	Tool Steel	Knife Edge	8	M 4	4.8	2.6	9.9	5.1	0.4	12.7	5.6	6.6	64
12031.W0030	Tool Steel	Blunt Edge	8	M 4	4.8	2.6	9.9	5.1	0.4	12.7	5.6	6.6	64
12031.W0050	Tool Steel	Knife Edge	6	M 6	7.1	3.8	14.5	7.6	0.6	19.0	22.5	16.0	136
12031.W0060	Tool Steel	Blunt Edge	6	M 6	7.1	3.8	14.5	7.6	0.6	19.0	22.5	16.0	132
12031.W0070	Tool Steel	Knife Edge	4	M10	11.4	6.4	18.0	10.2	1.3	25.4	40.6	26.0	256
12031.W0075	Tool Steel	Blunt Edge	4	M10	11.4	6.4	18.0	10.2	1.3	25.4	40.6	26.0	277
12031.W0080	Tool Steel	Knife Edge	2	M12	16.3	9.5	19.6	15.2	1.9	38.1	145.0	50.0	408
12031.W0085	Tool Steel	Blunt Edge	2	M12	16.3	9.5	19.6	15.2	1.9	38.1	145.0	50.0	408

