

Pitbull® Clamps



The revolutionary Pitbull® Clamp remains the lowest profile, highest holding force clamp in the industry today. High vertical and horizontal clamping forces are generated, considering the size of the Pitbull® Clamps. It uses a standard cap screw and an oil resistant O-ring. The Pitbull® Clamp is available in 5 sizes and several styles, a tool steel knife edge for aggressive stock removal, a tool steel blunt edge for general purpose, a brass version to help prevent marring the workpiece and a machinable version on page 13.

See Locating Rails, page 40 and TalonGrip™, page 34.

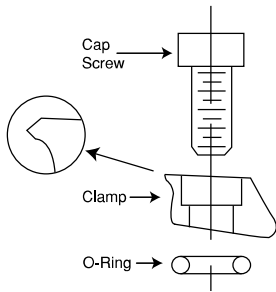
UNIQUE FEATURES:

- ▶ Extremely low bite
- ▶ Positive down force
- ▶ High strength A2 Tool Steel virtually eliminates rip-out
- ▶ Simple, sturdy, high quality design and components
- ▶ Gain maximum tool access to your work
- ▶ Virtually eliminate lost work
- ▶ Great option with hydraulic cylinders

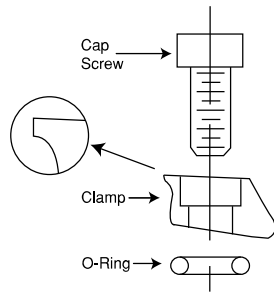
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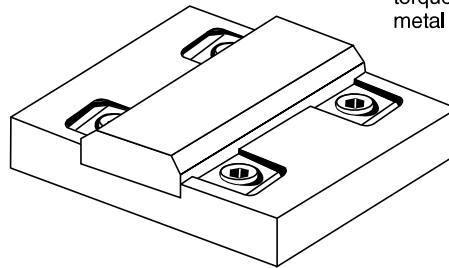
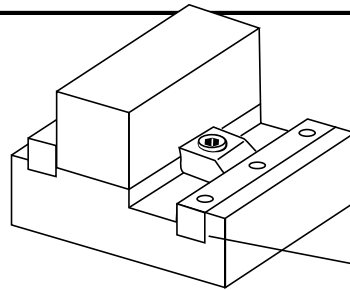
KNIFE EDGE



BLUNT EDGE



FIXTURE EXAMPLES



	Replacement O-ring	Screw Size
Pkg of 20	26008	4-40 or M2.5
	26028	8-32 or M4
	26058	1/4-20 or M6
Pkg of 10	26078	3/8-16 or M10
	26083	1/2-13 or M12

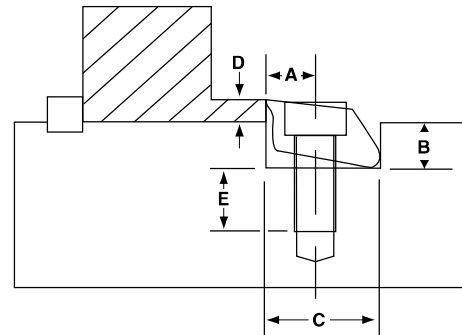
Using a steel rail behind clamp in aluminum fixtures when applying maximum torque prevents displacing metal at pivot point.

Both versions of the tool steel clamps generate the same clamping pressure. However, the Knife Edge clamps bite into the material for more aggressive machining, while the Blunt Edge is less likely to mark the workpiece.

The Knife Edge clamp has a black oxide finish. Both the Knife Edge and Blunt Edge clamps are heat treated 43-45Rc.

Creating Fixtures is Easy... Simply:

1. Machine a slot for the Pitbull® Clamp
2. Drill and tap a hole for the cap screw
3. Assemble the clamp as shown in diagram below
4. Position clamp as shown in diagram and loosely screw to fixture
5. Insert workpiece and tighten cap screw



See Locating Rails, page 40 and TalonGrip™, page 34.

	Part Number	Description	A	B	Clamp Width C	D*	E	SHCS Screw Size	Max. Torque (Ft/Lbs)	Holding Force (Lbs)	Total Throw	No. Clamps Per Package
INCH	26000	Tool Steel, Knife Edge	.150	.140	.375	.075	.260	4-40	1.30	650	.0075	8
	26010	Tool Steel, Blunt Edge	.150	.140	.375	.075	.260	4-40	1.30	650	.0075	8
	26015	Brass, Blunt Edge	.150	.140	.375	.075	.220	4-40	.41	200	.0075	8
	26020	Tool Steel, Knife Edge	.200	.187	.500	.100	.390	8-32	3.70	1,500	.0160	8
	26030	Tool Steel, Blunt Edge	.200	.187	.500	.100	.390	8-32	3.70	1,500	.0160	8
	26040	Brass, Blunt Edge	.200	.187	.500	.100	.340	8-32	2.00	400	.0160	8
	26050	Tool Steel, Knife Edge	.300	.280	.750	.150	.570	1/4-20	14.50	3,600	.0240	6
	26060	Tool Steel, Blunt Edge	.300	.280	.750	.150	.570	1/4-20	14.50	3,600	.0240	6
	26065	Brass, Blunt Edge	.300	.280	.750	.150	.440	1/4-20	4.10	950	.0240	6
	26070	Tool Steel, Knife Edge	.400	.450	1.000	.250	.710	3/8-16	30.00	6,000	.0500	4
	26075	Tool Steel, Blunt Edge	.400	.450	1.000	.250	.710	3/8-16	30.00	6,000	.0500	4
	26080	Tool Steel, Knife Edge	.600	.640	1.500	.375	.770	1/2-13	108.30	12,000	.0750	2
	26085	Tool Steel, Blunt Edge	.600	.640	1.500	.375	.770	1/2-13	108.30	12,000	.0750	2
									(N.m.)	(N.)		
METRIC	56000	Tool Steel, Knife Edge	3.81	3.55	9.52	1.90	6.60	M2.5	1.8	2800	.190	8
	56010	Tool Steel, Blunt Edge	3.81	3.55	9.52	1.90	6.60	M2.5	1.8	2800	.190	8
	56015	Brass, Blunt Edge	3.81	3.55	9.52	1.90	5.59	M2.5	.56	875	.190	8
	56020	Tool Steel, Knife Edge	5.08	4.75	12.70	2.54	9.90	M4	5.6	6600	.406	8
	56030	Tool Steel, Blunt Edge	5.08	4.75	12.70	2.54	9.90	M4	5.6	6600	.406	8
	56040	Brass, Blunt Edge	5.08	4.75	12.70	2.54	8.64	M4	2.8	1750	.406	8
	56050	Tool Steel, Knife Edge	7.62	7.11	19.05	3.81	14.48	M6	22.5	16000	.610	6
	56060	Tool Steel, Blunt Edge	7.62	7.11	19.05	3.81	14.48	M6	22.5	16000	.610	6
	56065	Brass, Blunt Edge	7.62	7.11	19.05	3.81	11.18	M6	5.6	4200	.610	6
	56070	Tool Steel, Knife Edge	10.16	11.43	25.40	6.35	18.03	M10	40.6	26000	1.270	4
	56075	Tool Steel, Blunt Edge	10.16	11.43	25.40	6.35	18.03	M10	40.6	26000	1.270	4
	56080	Tool Steel, Knife Edge	15.24	16.26	38.10	9.52	19.56	M12	145.0	50000	1.900	2
	56085	Tool Steel, Blunt Edge	15.24	16.26	38.10	9.52	19.56	M12	145.0	50000	1.900	2

D* - Minimum clamp height

*If gripping below recommended height, ensure clamp does not contact slot wall under load.