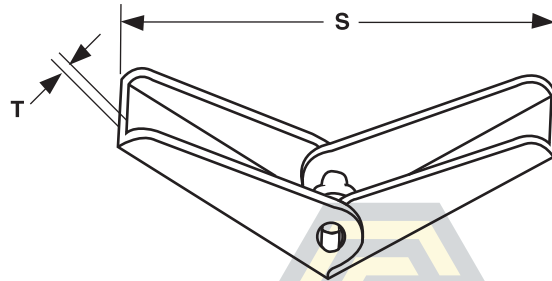
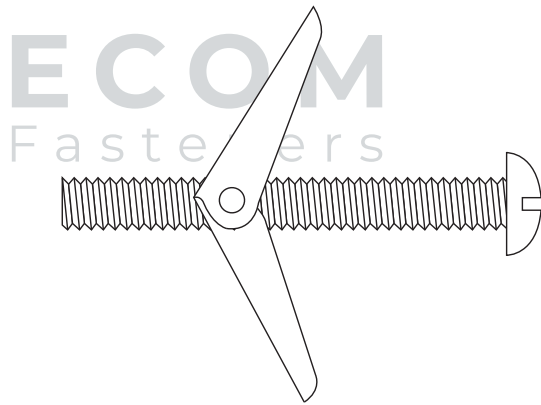


Steel

TOGGLE WING



TOGGLE WINGS					FF-B-588E, Type 1, Class A
Thread Size or Bolt Diameter	S	T	Recommended Hole Size		Proof Load, Lbs. (min)
	Wing Spread (min)	Metal Thickness (min)	Nom	Max	
6-32 (1/8)	.75	.024	.38	.50	175
8-32 (5/32)	1.00	.024	.43	.50	**
10-24 (3/16)	1.50	.028	.50	.62	350
1/4-20 (1/4)	1.75	.035	.62	.75	600
5/16-18 (5/16)	2.00	.042	.88	1.00	900
3/8-16 (3/8)	2.25	.047	.88	1.00	1100
1/2-13 (1/2)	3.50	.062	1.12	1.25	1500

Description	A four-piece fastener consisting of (1) two matching steel "wings" each bent at two 90° angles, (2) an internally threaded nut with protrusions spaced 180° apart which serves as a pivot attaching the two wings, and (3) a wire spring providing the necessary tension to open and close the wings.
Applications/ Advantages	Toggle wings are light-duty anchors for use in hollow base material applications. They spread the load over a larger area and are more temperature resistant than other hollow wall anchors. They are single-use anchors.
Material	AISI 1008 or equivalent cold rolled steel
Proof Load	Toggle wings shall meet the minimum proof load values as noted in the above table. The suggested safe working load is 1/4 the loads listed here.
Plating	See Appendix-A for plating information.