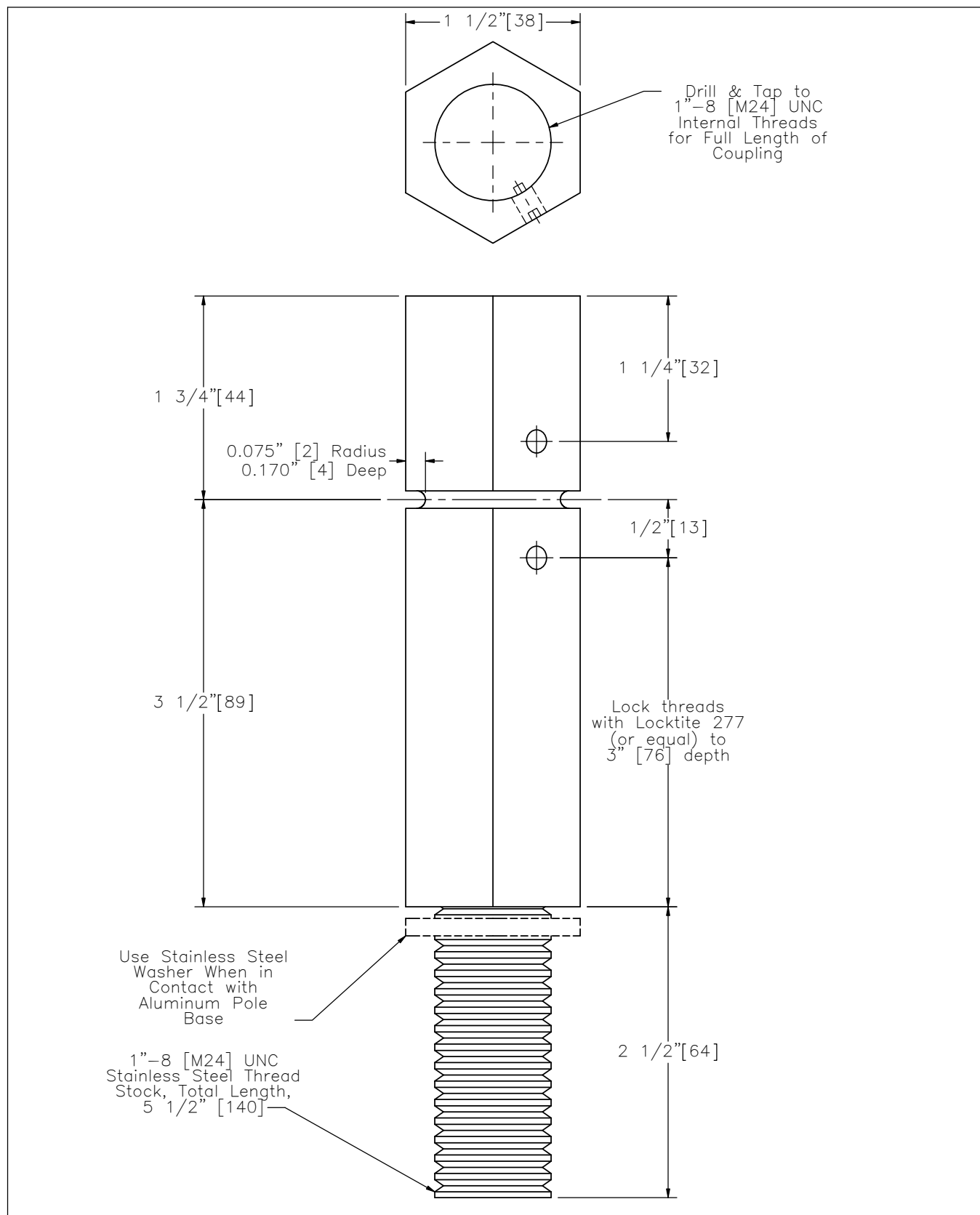




BRASS BREAKAWAY COUPLER



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SPECIFICATIONS

The Brass Breakaway Coupler shall be made of ASTM B16 Alloy 360, free-cutting brass, ½ hard temper, and the lower thread stock should be composed of stainless steel. Lower thread stock threads shall be locked with Locktite 277 (or equal) to 3" [76] depth. Upon installation, the Breakaway Coupler shall be torqued to 50 ft-lb [68 Nm]. A stainless steel washer must be employed when the coupler is used with an aluminum pole base.

INTENDED USE

The Brass Breakaway Coupler may be used in combination with large aluminum and steel luminaire pole configurations as listed below.

Pole Type	Thickness	Base Diameter		Nominal Height		System Weight	
		Min.	Max.	Min.	Max.	Min.	Max.
Aluminum	≥¼ in. [≥6.4]	8 in. [203]	10 in. [254]	30 ft [9144]	55 ft [16764]	259 lb [118 kg]	755 lb [343 kg]
Steel	7 gauge [4.55]	NA	10 in. [254]	30 ft [9144]	41 ft [12497]	259 lb [118 kg]	872 lb [396 kg]
	8 gauge [4.18]	NA	10 in. [254]	30 ft [9144]	46 ft [14021]	259 lb [118 kg]	871 lb [395 kg]
	9 gauge [3.80]	NA	10 in. [254]	30 ft [9144]	51 ft [15545]	259 lb [118 kg]	856 lb [389 kg]
	10 gauge [3.42]	NA	10 in. [254]	30 ft [9144]	59 ft [17983]	259 lb [118 kg]	841 lb [382 kg]
	11 gauge [3.03]	NA	10 in. [254]	30 ft [9144]	60 ft [18288]	259 lb [118 kg]	782 lb [355 kg]

Poles with diameters larger than 10" [254] must be analyzed independently using the proposed systems' mass distribution and the extrapolation formulas to calculate the high-speed occupant impact velocities. Any mass arm configuration other than truss-type luminaire arms also need to be analyzed on a case-by-case basis.

ACCEPTANCE

FHWA Acceptance Letter LS-73, June 23, 2011

CONTACT INFORMATION

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