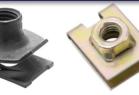


## **Engineered U-Nut Clips Comparison**

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	5000 Series Hex Flange Nut Clip	6000 Series Pierce Nut Clip	Extruded & Threaded Barrel Type Clip	Weld Nut Style Clip	Cage Nut Style Clip	Spring Nut Style #1 Clip	Spring Nut Style #2 Clip
Installation - self wrenching	<b>/</b>	/	<b>/</b>	<b>/</b>	<b>/</b>	<b>/</b>	
Metric sizes available - M8 thru M12 sizes available	/		/		<b>/</b>	/	
Metric sizes available - M4 thru M8 sizes available			<b>/</b>		<b>/</b>	/	
Ergonomic standard - meets 45N installation maximum requirements	<b>✓</b>				_		
Fastener standard - meets published property class 10 proof load requirements	<b>✓</b>	/					
Fastener standard - meets published property class 10 clamp load requirements	<b>✓</b>	/					
Fastener standard - meets published property class 10 first on & third off requirements	<b>✓</b>	/					
Fastener standard - maintains published joint clamp load in extreme vibration environments	<b>/</b>						
Fastener standard - maintains published fastener standard joint clamp load in extreme thermal cycling environments	/						
Thread integrity - resistant to joint threads seizing due to rust	/		<b>✓</b>	/	<b>/</b>		
Thread integrity - nut thread lead-in to bolt at installation for anti-cross threading	/			V			
Thread integrity - nut self-aligns to bolt at installation for anti-cross threading	/						
Rigid connection - zero panel movement under load/unload cyclical events - no squeak & rattle		/					
Coating and finishing - available in all customer specific fastener coatings			<b>/</b>	/	/	<b>/</b>	/
Hydrogen embrittlement resistant - manufactured using embrittlement resistant preheat-treated material						V	
Serviceability - joint disassembly using common box / open style wrench or socket				/	/		
Manufacturing efficiency - designed for minimization of material waste in product manufacture		/				<b>/</b>	/
Manufacturing efficiency - designed for simplification of part production tooling and infrastructure	<b>/</b>	<b>/</b>				-	<u> </u>