

# Finishes

## Available finishes for self-clinching fasteners from **Captive**:



Finish	Chromate	Suffix	RoHs	Notes:	
Black Dry Film Lube	-----	ML	Yes	1. Unless otherwise specified self clinching fasteners will be provided with zinc/clear chromate (ZI)	
Black Nitrate	-----	BN	Yes		
Black Oxide	-----	BO	Yes		
Bright Acid Tin	-----	BT	Yes		
Cadmium	Black	CB	No		
Cadmium	Yellow	CC	No		
Cadmium	Clear	CI	No		
Cadmium	Dry Film Lube	EF	No		
Copper Flash	-----	CF	Yes		2. P/N Structure example: <u>C632-1 ZC</u> ↳ Finish
Copper, Nickel, Tin	-----	CT	Yes		
Dacromet 320	-----	DM	No		
Electro Tin	-----	ET	Yes		3. In accordance with ANSI B1.1(inch) and ANSI B1.13M(metric) specifications, the maximum major diameter and pitch diameter of class 2A/6g plated studs can be gauged to class 3A/4h
Geomet	-----	GM	Yes		
LM1293	-----	LM	Yes		
Nickel over Copper Flash	-----	NC	Yes		
Nickel Plate	-----	NI	Yes		
Nylon Locking Patch	-----	NP	Yes		
Tin Lead	-----	TL	No		
Zinc (*)	Clear	ZI	Yes		
Zinc w/ a Sealer (**)	Clear	ZS	Yes		
Zinc (***)	Black	ZB	Yes		
Zinc (***)	Blue	BZ	Yes		
Zinc (***)	Green	ZG	Yes		
Zinc (***)	Red	ZR	Yes		
Zinc (***)	Yellow	ZC	Yes		
None	-----	X	Yes		

### Other Finishes available upon request

- \* Zinc with clear hexavalent-free chromate, 5µm thickness on all significant surfaces, withstands 12 hours salt spray to white corrosion. Reference applicable sections – ASTM B633 & ASTM B117.
- \*\* Zinc with a clear hexavalent-free chromate and a sealer, 5µm thickness on all significant surfaces, withstands 72 hours salt spray to white corrosion. Reference applicable sections – ASTM B633 & ASTM B117.
- \*\*\* Zinc with colored hexavalent-free chromate, 5µm thickness on all significant surface, withstands 72 hours salt spray to white corrosion. Reference applicable sections – ASTM B633 & ASTM B117.

### Captive Trade Mark Legend:

To assure you receive genuine **Captive** parts, look for the following trademarks

 - STUDS    
  - FLOATING NUT    
 ||||| - CFSP NUTS    
 CF - STEEL & STAINLESS NUTS  
 (Cold Formed)