

# MAGNI 504

## MAGNI 504 FASTENER COATING



Magni 504 is a chrome-free, water-based coating engineered for use on stainless steel. Typical applications include nuts, bolts, screws and clamps. This coating features an inorganic/organic hybrid resin system that withstands automotive fluid resistance requirements and should be applied to thread-forming fasteners and other fasteners that require high lubricity. Magni 504 is often used on stainless steel fasteners to prevent galling during assembly.

- Applied via dip-spin or spray application methods
- Consistent friction at varying temperatures and high clamp loads
- Fewer processing steps: improves quality and reduces cost
- Good adhesion characteristics when applied on difficult-to-wet surfaces, including electroplated zinc and zinc-rich coatings
- Oven cured
- Superior performance in fewer layers than comparable coatings

### PERFORMANCE DATA\*:

**Adhesion** GM9071OP  
Method B: 5B rating

#### Automotive fluid testing

WSA-M21P26-A 3.7.3 to 3.7.8: PASS  
(water; gasoline; hot oil; ethylene glycol;  
brake fluid; power steering fluid;  
transmission fluid; diesel GM 6146M)

**Coating thickness** 8-10 microns

#### Coefficient of friction

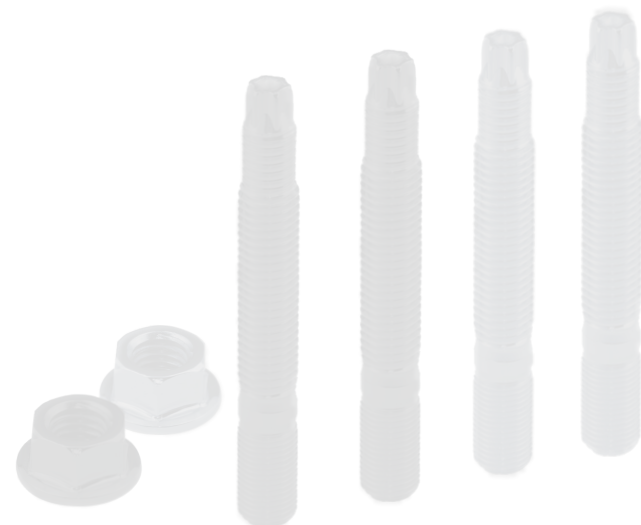
ISO 16047:  $0.10 \pm 0.03$

**Color** Black; blue; dark gray



### OEM SPECIFICATIONS:

FCA	PS-1409
Ford	WSS-M21P33-A
General Motors	GMW 16431



\*Typical Values - refer to OEM Specifications and Magni Application Guidelines for official specifications