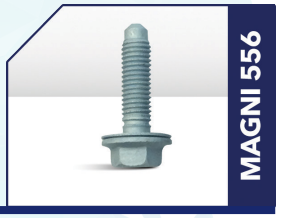
Performance, **covered.**

Product Data Sheet

MAGNI 556

MAGNI 556 FASTENER COATING



Magni 556 is a chrome-free fastener duplex coating system that combines an inorganic zinc-rich basecoat with an organic aluminum-rich friction-modified topcoat. The inorganic basecoat system is developed for superior heat-resistant corrosion performance and consistent in-process material stability. The organic topcoat system can be adjusted to meet OEM friction requirements while providing outstanding adhesion, heated loosening performance and chemical resistance. Magni 556 can be applied via dip-spin or spray application methods. Magni 556 is applied in three layers in dip-spin (two layers basecoat) and is used in the most corrosive automotive environments.

PERFORMANCE DATA:

Coating thickness	8-10 microns (topcoat) over 8-10 microns (basecoat)
Coefficient of friction	
ISO 16047:	0.11 ± 0.03
PS-11036 Nm@42.3kN:	54-81
Color	Silver; blue
Cyclic corrosion resistance	
SAEJ2334:	120 cycles
Heated loosening	VDA 235-203 > 0.06
Salt spray	
ASTM B117:	1,500 hours
Torque coefficient (k-factor)	
ISO 16047 (using Zn electroplate test nut/washer)	0.15±0.03

OEM SPECIFICATIONS:

ASTM	A490, A325, F3125
Caterpillar	1E1675G
Daimler	MBN 10544
FCA	PS-11036 (Type 3)
Volkswagen	TL245 Ofl-t647

ISO9001 CERTIFIED MANUFACTURING

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