

MAGNI 565 Military



Magni 565 is a **chrome free** duplex fastener coating system that combines an inorganic zinc-rich basecoat with an aluminum-rich organic topcoat.

Magni 565 has been formulated as a two-coat system, providing a cost advantage while maintaining superior corrosion resistance. Friction modifiers are integrated into the Magni 565 topcoat, providing repeatable torque tension characteristics during assembly.

Magni 565 is designed for use on externally threaded fasteners, stampings and other types of hardware. This product can be applied via dip-spin or spray and is available in a variety of colors.

Magni 565 is currently the preferred finish on fasteners at many automotive manufacturers.

Performance Data:

Chrome-Free

Salt Spray 1000 Hours
ASTM B117

Cyclic Corrosion Resistance

GM9540P 60 cycles
SAEJ2334 120 cycles
Volvo VCS 1027,149 tbd

Coefficient of Friction 0.13 (other levels available)
Coefficient of Friction Tested per DIN 946 ±.03

Coating Thickness 13 microns

No Hydrogen Embrittlement Concerns

Excellent Bi-Metallic Corrosion Resistance

Heat Resistance 250° F (long term)
500° F (short term)

Resistant to Automotive Fuels and Fluids

Paintable



Military Specifications:

Tacom/US Army 12469117
BAE 3000099
Textron Land & Marine MS16998-M
Arvin Meritor P91
Case New Holland MAT0320, Type 1, Class A
Int'l Truck TMS-4518, Type I
JLG 4150701

Other Specifications:

Bobcat PS-106A
BMW GS90010
Briggs & Stratton
Brose BN590295-106
Chrysler PS-5873 (ref: PS-10633 non-threaded),
PS-10633, PS-10378
Daimler-Benz DBL 8440
Delphi DX551801, DX45501804,
DX551810, DX44501804
Fiat 9.57513/Tip0 IV
Ford S439 (WSS-M21P37-A1)
General Motors GM7114M, GMW3359
ISO 10683
John Deere JDM F13
Land Rover LRES.21.ZS.05
Nissan M4601
Porsche PTL 7529
PSA B15 3320
Renault Trucks 01.71.4002/H
Toro
Trane S 3201063A1
TRW TS 2-25-60, Class A
Volkswagen TL 233
Volvo VCS5737.29, .19