

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

RoHS, WEE, and ELV Compliant

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/Type 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

