Fastener Coatings

Cost-Effective Solutions for Critical Fastener Applications

E/M Coating Services applies coatings to address fastener problems associated with corrosion, tension consistency, torque/tension variability, temperature limitation, Hydrogen embrittlement and other performance criteria.

Enhancing the Performance of Critical Fasteners

E/M Coating Services is an innovator in the application of solid film lubricants that enhance the performance of fasteners, bolts, locknuts, rivets, washers and thread rolling screws. Our solid film lubricants are dispersions of various lubricating solids and binder systems designed to help reduce friction and corrosion and prevent galling, fatigue and failure.

When used as a fastener finish, solid film lubricants can help minimize clamp load variability by as much as 70%, which can eliminate the need for increased torque, fastener size or a costly change in design. E/M Coating Services is a network of job shops that applies coatings from all major coating manufacturers. We can recommend the right solid film lubricant to achieve a specific torque/tension range. We can also apply these coatings over phosphate or plating to achieve the most demanding corrosion-resistant criteria.

Solid film lubricants applied by E/M Coating Services will deliver K-factors from as low as 0.10 up through 0.19, and will help in torque only, torque angle or yield control-tensioning strategies.

Locations

United States

Chicago, Illinois	630-620-6808
Hartford, Connecticut	860-224-9148
Minneapolis, Minnesota	651-780-3202
Los Angeles, California	
North Hollywood	818-983-1952
Chatsworth	818-407-6280

Canada

Brampton	905-791-8002

China

Suzhou	86-15122770050
Tianjin	86-13752314982

Germany

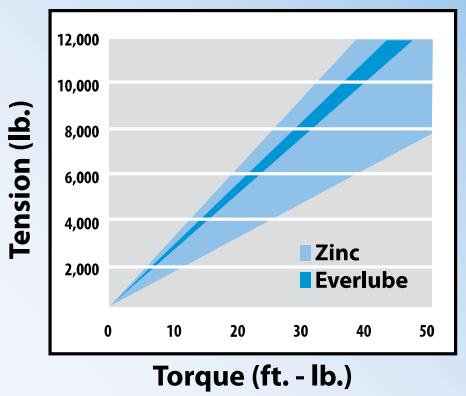
Unna	49-2303-91880

United Kingdom

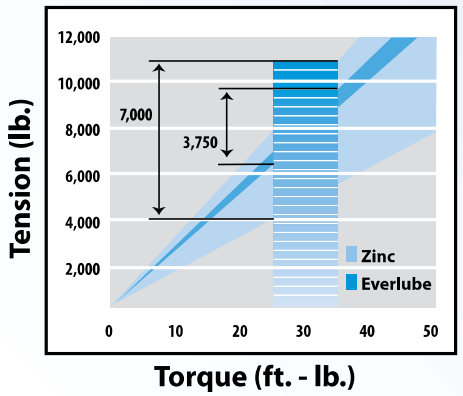
Evesham	44-1386-421444
Glasgow	44-141-638-8600

Torque Tension Advantage

Finish: Zinc Plate + Dichromate vs. E/M Everlube
Size: M 10 x 1.5 mm



The graph depicts the dramatic reduction in torque/tension variability through the use of an E/M solid film lubricant. The typical scatter that is expected with zinc-plated fasteners is reduced significantly when compared to E/M Everlube coated fasteners



The graph translates the reduced variability into a more meaningful result. A selected torque range of 25-35 ft. - lb. demonstrates the reduction using a proper solid film lubricant. E/M reduced the tension variability by approximately 50% from 7,000 to 3,750 lb.

CURTISS – WRIGHT

E/M Coating Services is a division of Curtiss-Wright Surface Technologies. For more information, visit www.cwst.com.