

# Torque Tension Modifiers

Our line of Torque Tension Modifiers increase the corrosion protection of the plated coating, and meet or exceed the specifications for GMW 3044, GMW 4700, GMW 3200, GMW 16730, JDM F15, FCA PS-8956, PS.50031 D, MS-4592 and more.



**NOT ALL TORQUE TENSION MODIFIERS ARE CREATED EQUAL.**

## Products

- COLFIN TTM-0913GL** is a torque control modifier/lubricant that can be used over all electroplated or mechanically plated zinc and zinc-alloy deposits with a clear appearance and offers a CoF range of 0.09 - 0.13.
- COLFIN TTM-0814** is a torque control modifier/lubricant that can be used over all electroplated zinc-alloy deposits with a clear appearance and offers a CoF range of 0.08 - 0.14.
- COLFIN TTM-0814B** is a torque control modifier/lubricant that can be used over all electroplated zinc-alloy deposits with a rich black appearance and offers a CoF range of 0.08 - 0.14.
- COLFIN TTM-0814ZN** is a torque control modifier/lubricant that can be used over all electroplated or mechanically plated zinc deposits with a clear appearance and offers a CoF range of 0.10 - 0.16.
- COLFIN TTM-1016TZ** is a torque control modifier/lubricant that can be used over all electroplated deposits but is designed for tin-zinc and offers a CoF range of 0.10 - 0.16.
- COLFIN TTM-1117** is a torque control modifier/lubricant that can be used over all electroplated zinc and zinc-alloy deposits with a clear appearance and offers a CoF range of 0.11 - 0.17.

These products are all PFAS free and meet the requirements of OEM Supply Chain Resilience policies.

**COLUMBIA<sup>®</sup>**  
  
**CHEMICAL**  
Simplifying Surface Finishing<sup>®</sup>

**330-225-3200**  
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