



HuckGuard[®] For High Corrosion Protection

Unique Zinc and
Topcoat Treatment

Helps Maintain Joint Integrity
and Long Life

Applied In-House at
Howmet Fastening Systems



HuckGuard®

For the Corrosion-Resistant Joint

For a high level of corrosion protection in an engineered fastener, insist on fasteners with HuckGuard® from Howmet Fastening Systems (HFS).

Developed specifically to protect swaged collars and Huck 360® nuts, HuckGuard provides a strong, added layer of corrosion resistance. HuckGuard for bolts is a zinc-rich basecoat, plus an organic topcoat, that helps protect the integrity and life of the joint. In fact, collars and nuts treated with HuckGuard can sustain up to 500 hours of salt spray testing.

Two Collars. 500 Hours of Salt Spray. One Clear Choice.

After three weeks of ASTM B117 salt spray exposure, two collars were compared side-by-side.



Collar not coated
with HuckGuard

Collar with
HuckGuard coating

The Challenge

To establish a minimum of 500 hours salt spray resistance to red rust corrosion on a swaged collar, without increasing the required swage load.

The Choice is Clear

HuckGuard protects swaged collars and Huck 360 nuts from harsh environments, such as those found in a number of industries including oil and gas, rail, trucking and many others.

Why HuckGuard?

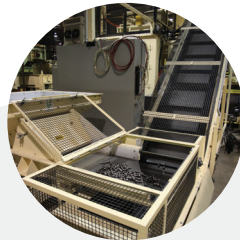
HuckBolts are installed with a direct tension swaging process. This is what gives HuckBolts their superior clamp and tensile strength, and, unlike conventional nuts and bolts, it's what makes them vibration resistant. The installation process creates significant tension on the fastener collars, which can compromise the collar's finish and ultimate corrosion-resistant properties. However, fasteners treated with HuckGuard offer the added layer of protection needed to guard against the forces of this direct tension/swaging process. HuckGuard adheres to the zinc basecoat, while providing a high degree of ductility.

In addition, HuckGuard contains an integral lube. When applied, it delivers the same torque tension characteristics as found on standard nuts and bolts. No need to use different tooling to install Huck 360 nuts. HuckGuard treated fasteners can be installed with the same tooling you're already using, and carry the same torque requirements.

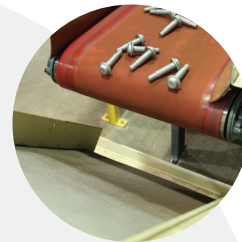


The HuckGuard® Process

Loading conveyors automatically stop when the dip-spin basket is filled with the correct weight of parts



Special baskets prevent collars from rolling and mixing



Finished parts are soft-handled into the collection container

The Howmet Advantage

- **Speed of Delivery** Since AFS applies HuckGuard in-house, we don't build in extra time for shipping to a supplier.
- **Quality Control** AFS has invested in proprietary HuckGuard equipment and the process is optimized for Huck fasteners, to assure the highest level of quality control.
- **Value** With no shipping to third-party vendor and no middlemen, you avoid needless costs.



When a container is full of finished parts, the conveyor automatically switches to a new container



Cold storage prolongs the dip-spin solution life



Outside air is pulled in and then exhausted out, so air conditioned plant air is not required



Thermal oxidizers reduce air pollution



Recirculating keeps the dip-spin solution mixed, maintains the correct temperature, and filters out contaminants

To Order:

Simply add the suffix **X** to your collar part number.

Eg. MBTC-R16BL

Standard Zinc Plate, Black Trivalent Chromate BobTail® Collar

MBTC-R16BLX

Standard Zinc Plate, Black Trivalent Chromate BobTail® Collar with One Coat of HuckGuard

MBTC-R16BL2X

Standard Zinc Plate, Black Trivalent Chromate BobTail® Collar with Two Coats of HuckGuard (minimum 1,000 hours corrosion protection)



Howmet Fastening Systems

Industrial Division Brands



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