

## Circular Connectors

# Better corrosion protection through chromating

It doesn't always have to be stainless steel. This is the result of extensive HUMMEL AG salt spray tests. Based on these tests, a surface treatment for circular connectors was developed, which comes properties of stainless steel.

### Challenge

Industrial outdoor applications are exposed to many adversities: vibrations, shocks, heat, cold, sunlight or moisture. Especially the corrosion protection is of particular importance. In connection technology connectors made of stainless steel are often used in such cases. However, the requirements cannot always be met with stainless steel components. Cost aspects or the desire for a special geometry (e.g. a quick-release fastener)

### The solution

A cost-effective alternative to the stainless steel connector is the variant with a black chromate coating. Extensive tests have shown that this surface coating is far more resistant to corrosion than conventionally nickel-plated surfaces. The chromate coating comes very close to stainless steel and thus becomes an

attractive alternative for numerous applications. Another plus point: the black chromated zinc die-cast connector is also available also available in the quick-lock versions TWILOCK and TWILOCK-S.

### The advantages

Black chromated connectors offer numerous advantages and are an attractive alternative to stainless steel for many applications.

- // high corrosion protection
- // attractive price-performance ratio
- // available with TWILOCK and TWILOCK-S quick-release fasteners
- // inserts can be used modularly

