

## CONLOK® under-head serrations



The EJOT CONLOK® under-head serrations show a discontinuous cup point with a transfer radius starting at the fastener shank. The teeth formed by this profile can scratch the surface coating for applying electrical contact.

A large German lighting manufacturer approved this under-head serration as earthing assembly and included it into the company standard. The example below shows a light fixture with fluorescent lamp ballast. These devices are grounded with an EJOT Spiralform® Screw featuring CONLOK® under-head serrations that also guarantee safety against torsion. The profile saves the use of serrated lock washers, which clearly reduces component costs, and automated feeding is also facilitated.



*light fixture with fluorescent lamp ballast*



*Detailed view - Contacting with the CONLOK® assembly*

### The benefits are:

- Guarantee of electric contact between component and fastener.
- Surface protection layers with a thickness of up to 70 µm (powder coating) can be scratched.
- Increased tightening and loosening torques.
- the optional design of teeth allows the penetration of coatings with different thickness.
- CONLOK® profiles can be combined with all EJOT products.