



Laser welded supporting, clamping and crimp rings for air spring systems of flat wire and cold strip

TECHNICAL PERFORMANCE OF LASER WELDED SUPPORTING, CLAMPING AND CRIMP RINGS

Performance	<ul style="list-style-type: none"> · laser welded · bulge in welding area max. 0,1 mm in material width and thickness
Materials	<ul style="list-style-type: none"> · DC-qualities acc. to EN 10139 · C4C acc. to EN 10263-2 · as well as further materials upon request
Tolerances of applicated material before forming	<ul style="list-style-type: none"> · material width $\pm 0,15$ mm · material thickness $\pm 0,05$ mm · radius at all mill edge: $0,5 \times \text{Dicke} + 0,5$
Dimensional performance	<ul style="list-style-type: none"> · inner diameter $\pm 0,3$ mm (internal measuring instrument/gauging control) · flatness max. 0,2 mm
Marking of clamping rings	<ul style="list-style-type: none"> · marking inside and outside upt to 18 digits possible
Galvanic coating	<ul style="list-style-type: none"> · guaranteed corrosion resistances at unworked condition · resistance of coating at build-in-condition to be tested on customer's side

Galvanic coatings

Zinc thick-film passivated (Cr VI-free)	400 h
Zn Fe transparent (Cr VI-free)	480 h
Zn Ni transparent (Cr VI-free)	720 h

Corrosion resistance on salt spray test

400 h
480 h
720 h

Further coatings upon request

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