



Solid wire rings

TECHNICAL SPECIFICATION SOLID WIRE RINGS

Wire diameter	Tensile strength wire min.	Breaking load wire min.	Breaking load welding area min.	Extension welding area max.
Mild steel ref. C9D / EN 16 120-2 / AISI C-1008				
2,7 mm	590 MPa	3370 N	2120 N	20%
3 mm	590 MPa	4170 N	2120 N	20%
4 mm	590 MPa	7410 N	3770 N	20%
5 mm	590 MPa	11580 N	5900 N	20%
6 mm	590 MPa	16680 N	8500 N	20%
8 mm	590 MPa	29650 N	15120 N	30%

Ring diameter:	inner diameter 60 mm to 600 mm $\pm$ 0.5 mm depending on wire diameter
Ovality:	max. 1 % of ring inner diameter
Flatness:	max. 2 mm
Surface:	uncovered or copper electro-plated
Certificate:	inspection certificate ref. EN 10 204

Rings open or pressure butt welded

FIELDS OF APPLICATION

- air spring systems
- industrial tyres
- filter systems
- other technical applications