

European Technical Assessment for staples as wood connecting fasteners

ETA-16/0101



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Staples type: L – strong galvanized

Diameter: 1,52mm
Length: 32-80mm
Material: Steel in acc. to EN ISO 16120
Zinc layer: $\geq 12 \mu\text{m}$ (electrolytic)



Properties of the material used:

Tensile strength in accordance with EN ISO 16120 min. 900 N/mm²
Zinc layer $\geq 12 \mu\text{m}$ after ISO 2081

Mechanical strength and stiffness:

- Yield Moment (acc. EN 14592):	$M_{y,k} =$	620 Nmm
- Withdrawl parameter (EAD, 60°C, 75% r. ah.):	$f_{ax,k} =$	5,00 N/mm ²
- Withdrawl parameter (acc. EN 14592):	$f_{ax,k} =$	5,76 N/mm ²
- Head pull-through parameter (acc. EN 14592):	$f_{head,k} =$	35,7 N/mm ²
- Design value of resistance (Load duration)	$R_{ax,d} =$	70 N

Values are valid for materials with a characteristic density $\rho_k \geq 350 \text{ kg/m}^3$

Reaction to fire (acc. 96/603/EG, acc. 200/605/EG) = Class A1

Service class:

Service class 2 in accordance with EN 1995-1



Member of fasteners associations



Wilfried Bornemann GmbH & Co. KG

Seestraße 20 - 26 • 63679 Schotten • Germany

Phone: 0049 60 44 / 96 01 - 0 • Fax: 0049 60 44 / 96 01 • 820 - info@prebena.com • www.prebena.com