

European Technical Assessment for staples as wood connecting fasteners

ETA-16/0101



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Staples type: L - stainless steel

Diameter: 1,52mm
Length: 32-80mm
Material: 1.4301



Properties of the material used:

Tensile strength in accordance with EN 10088-1 min. 950 N/mm²

Mechanical strength and stiffness:

- Yield Moment (acc. EN 14592):	$M_{y,k}$	=	720 Nmm
- Withdrawl parameter (EAD, 60°C, 75% r. ah.):	$f_{ax,k}$	=	5,00 N/mm ²
- Withdrawl parameter (acc. EN 14592):	$f_{ax,k}$	=	5,95 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 $\rho_k \geq 350$ kg/m³

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

Service class:

Service class 3 in accordance with EN 1995-1



Member of fasteners associations



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