

### Through anchors

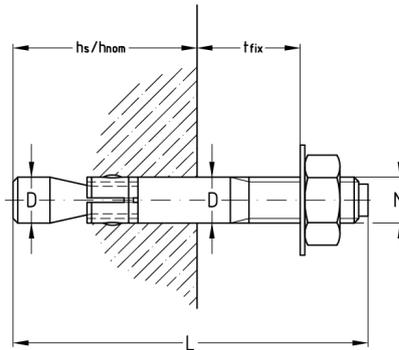
stainless steel

#### Application

- For anchorages of medium-weight loads in non-cracked concrete
- Attachment of metal and wood constructions, handrails, shelves and cable ducts
- Also applicable in hard natural stone

#### Your advantages

- Quick handling: Simply insert and tighten
- Practical through-fitting
- Splaying controlled by the tightening torque
- High security due to increasing splaying with increase in load
- European Technical Assessment (ETA) for non-cracked concrete



#### Features



Type	Connecting thread	Length L [mm]	Clamping thickness $t_{fix}$ [mm]	Drilling diameter D [mm]	Drilling depth [mm]	FM	Uncracked concrete centrally tensile loaded ETA assessment		Material	Part no.	Sales unit	Pack unit
							Setting depth $h_{nom}$ [mm]	Permissible load <sup>1)</sup> [kN]				
St 8-45	M8	110	45	8	65		55	5.7	V4A	<b>129518</b>	100	Pieces
St 10-10	M10	85	10	10	70	x	60	7.6		<b>129489</b>	50	
St 10-20			20			x				<b>129494</b>		
St 10-50			50			x				<b>129492</b>		
St 12-65	M12	160	65	12	90	x	80	11.9		<b>129504</b>	25	
St 16-30	M16	150	30	16	110	x	98	17.2		<b>129488</b>	10	

<sup>1)</sup> The approved loading applies for single anchors in concrete strength class  $\geq C20/25$  (B25) for axially applied tension without the influence of axial and edge spacings. The safety coefficient according to ETAG is included. The European Technical Assessment shall be observed in dimensioning.

**i** For additional characteristic values of plugs for use in areas with requirements on the duration of fire resistance, please refer to the „Technical information“ chapter.

