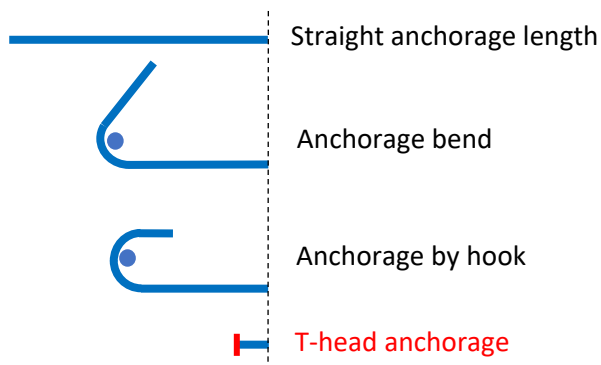


## HRC 150S – Stainless Steel T-headed bars

HRC 150S stainless steel T-headed bars combine the high performance of standard HRC 100 Series with the enhanced corrosion resistance of stainless steel.



- **Enhanced corrosion resistance, and...**
- High performance → **Structural integrity**
- Safe and easy handling at site → **Improved working conditions**
- Fast installation and improved constructability → **Shorter construction time**
- Shorter anchoring lengths → **Reduced material costs**
- Possible to combine black steel with white steel → **Reduced material costs**



*T-heads are most effective in terms of space and material.*



*Potential application: lap splice of prefabricated elements. Use of headed bars for short splice length.*

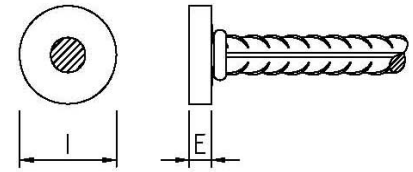
*HRC 150S T-heads provide a robust, space saving mechanical anchorage and minimize the use of stainless-steel material by replacing anchorage length, hooks or bends.*

*HRC 150S stainless steel T-heads can be used with both “black” carbon rebar and stainless-steel rebar. The combination carbon rebar and stainless T-heads is an economical “problem solver” for concrete cover issues.*

### HRC 150S - Geometry:

The geometry is identical to the HRC 150 carbon steel T-headed bars.

Nominal rebar size	16mm	20mm	25mm	32mm
T-head diameter I [mm]	50	65	80	100
T-head thickness E [mm]	12	16	20	25



### Material:

HRC 150S T-headed bars can be supplied in two material combinations:

	T-head plate	Rebar	
Combination 1	Duplex stainless steel 1.4462	Carbon steel	
Combination 2	Duplex stainless steel 1.4462	Stainless steel	

**T-head plate:** The duplex stainless steel material has a high corrosion resistance and can be used in aggressive environments.

**Rebar:** according to EN 1992-1-1, Annex C, with nominal yield strength of 500 MPa and national- or project requirements.

### HRC 150S - Performance and Certification

HRC 150S T-headed bars are tested and certified acc. ISO 15698 for category B3. This implies the development of at least 95% of the actual tensile strength of the rebar and at the full nominal elongation at maximum load ( $A_{gt}$ ). However, tests have shown a ductile rupture of the rebar, even at loads above 800 MPa.

