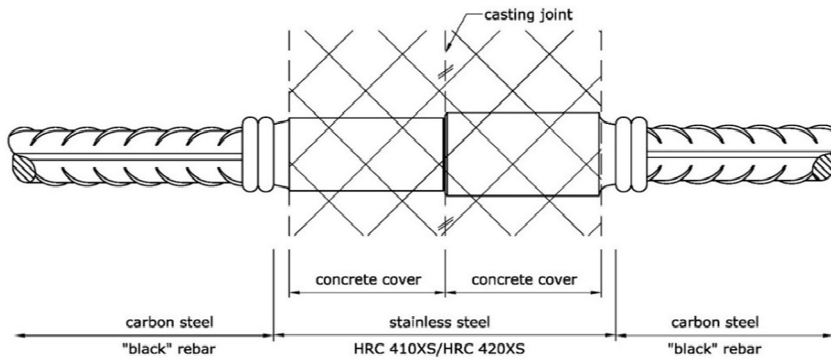


HRC400XS – Stainless Steel rebar coupler

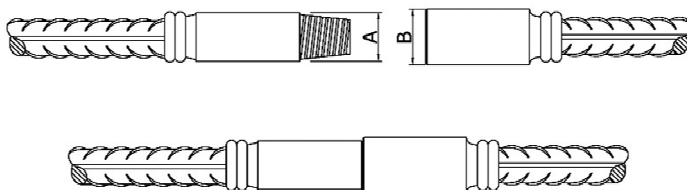
Advantage of rebar couplers +
 High performance of HRC400 Series +
 Corrosion resistance of stainless steel =
 HRC400XS

- ✓ **Enhanced corrosion resistance, and...**
- ✓ Material saving compared to lap splice
- ✓ Tensile capacity over 700MPa → **High Performance**
- ✓ Coarse threads → **Robust product suited for site conditions**
- ✓ Taper threads allow for fast installation → **Shorter construction time**
- ✓ Straightforward and reliable visual control of installation
- ✓ **Possible to combine "black" carbon rebar with stainless coupler → costs efficient**



Example of combination of carbon rebar and stainless coupler: the use of stainless material is limited to the concrete cover. Black carbon rebar is used in areas less prone to corrosion.

HRC400XS - Geometry:



Nominal rebar size [mm]	ø20	ø25	ø32
Outer diameter male part (A) [mm]	30	35	45
Outer diameter female part (B) [mm]	30	40	45

Material:

Bars with HRC400XS rebar couplers can be supplied in two material combinations:

	Coupler part	Rebar	
Combination 1	Duplex stainless steel 1.4462	Carbon steel	Rebar according to EN 1992-1-1, Annex C, with nominal yield strength of 500 MPa and to national requirements
Combination 2		Stainless steel	

Performance and Certification:

HRC400XS rebar couplers are tested and certified acc. ISO 15835 for category B, F and S, i.e. including fatigue and seismic loads. Failure load minimum 30% higher than specified yield strength. This implies the development of the full actual strength and ductility of the parent rebar and the transfer over the rebar splice.