



HRC 500 Series XTENDER Coupler



Mechanical Splicing of Reinforcing Bars



XTENDER

The Ultimate Rebar System

Benefits:

- Hand-tighten to install
- Easy visual inspection
- Easy splicing of pre-tied bars
- Reliable performance
- Simple quality control
- Versatile- use as a standard, position and/or transition coupler



**HRC Performance
Local Quality Fabrication**



Made in the USA

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www.hrc-usa.com

Headed Reinforcement Corp.

HRC 500 Series XTENDER Coupler

Meets or Exceeds all known
Codes and Standards for
splices:

• Continuous Behavior

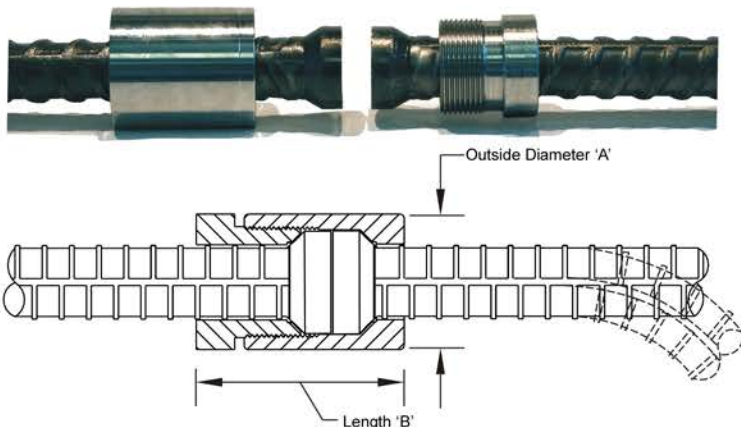
HRC 500 Series couplers behave like continuous non-spliced bars due to their short effective splice length and **Ultimate Capacity**. Consistently proven as the strongest splice on the market, ensuring that maximum rebar ductility is available. **Don't make the splice your weak link!**

• Reliability

HRC 500 Series couplers are designed to **exceed** the stress and strain capacity of the reinforcing bar. Unlike products that reduce the cross sectional properties of the bar, the **HRC 500 Series** utilizes enlarged upset heads that can be consistently formed on materials with variable heats, grades and roundness properties. The **HRC 500 Series** couplers easily adapt to ever-changing field conditions and can still provide **Ultimate** performance.

• Versatility

Upset heads can be field or shop fabricated in harsh and extreme conditions. Works on bent bars, radius bars as well as pre-tied cages and retrofit applications. Hooks can be aligned in desired orientation. Unlike welding and many other splicing systems, correct field installation of **HRC 500 Series** couplers can be **visually** inspected after completion.



Dimensions of HRC 500 Series Couplers

Bar size	#4	#5/15M	#6/20M	#7	#8/25M	#9/30M	#10	#11/35M	#14/45M
A - Coupler OD [in]	1.375	1.500	1.625	1.875	2.125	2.375	2.625	2.875	3.500
B - Typical Length [in]	2.000	2.130	2.380	2.880	3.130	3.500	3.750	4.250	5.130
Tolerance (+/-) [in]	0.100	0.200	0.300	0.300	0.150	0.200	0.250	0.200	0.400

Hand-tighten to a snug fit.
Lubricate threads and use pipe wrench if necessary.

A615/A706 Grade 60
#4 through #14

A615/A706 Grade 80
#8 through #14

Contact HRC for information on
bar size / grade combinations that
are not listed.

- ACI 318 Type 1 (125% f_y)
and Type 2 (100% f_{tu})
- CSA A23.3 Type 1 (125% f_y)
and Type 2 (100% f_{tu})
- Caltrans Ultimate Splice
- Tension and Compression
- Elastic and Inelastic Cycles
- Low or High Strain Rates

Approvals:

ICC-ES ESR-2764

ICC-ES ESL-1429

ACI 318 Compliant

CSA A23.3 & S6 Compliant

Caltrans AML
(Service & Ultimate Splice)

City of Los Angeles Building
Code (LABC) Compliant

NYCDOB OTCR 24-19

For installation parameters and
current approvals, please visit
www.hrc-usa.com or contact an
HRC representative.

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