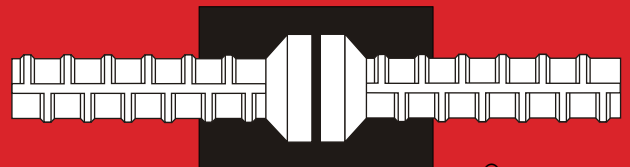


# **HRC**<sup>®</sup> **HRC 500 Series XTENDER Coupler**



Mechanical Splicing  
of  
Reinforcing Bars



**XTENDER**<sup>®</sup>

The Ultimate Rebar System

HRC Performance  
Local Quality Fabrication



Made in the USA

(800) HRC-6775  
(714) 557-1455  
[www.hrc-usa.com](http://www.hrc-usa.com)

Headed Reinforcement Corp.

# HRC 500 Series XTENDER Coupler

Meets or Exceeds all known  
Codes and Standards for  
splices:

## Advantages

### • Continuous Behavior

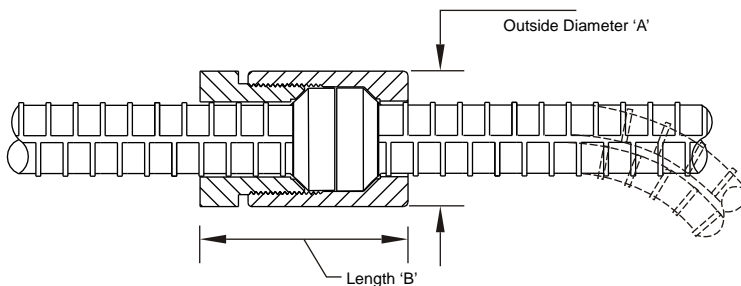
HRC 500 Series couplers behave like continuous non-spliced bars due to their short effective splice length and **Ultimate Capacity**. Consistently proven as the strongest splice on the market, ensuring that maximum rebar ductility is available. **Don't make the splice your weak link!**

### • 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 the harshest most 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	#6	#7	#8	#9	#10	#11	#14
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.

Rev. 22-0527



Headed Reinforcement Corp.  
11200 Condor Ave. Fountain Valley, CA 92708  
714-557-1455 714-557-4460 fax

- ACI 318 Type 1 (125%  $f_y$ ) and Type 2
- ACI 318 Tension and Compression
- CSA A23.3 Type 1 (120%  $f_y$ ) and Type 2
- Caltrans Service and Ultimate
- Elastic and Inelastic Cycles
- Low or High Strain Rates

### Approvals:

ICC-ES ESR-2764

ICC-ES ESL-1429

Caltrans AML

City of Los Angeles Building  
Code (LABC) Compliant

NYCDOB OTCR 24-19

For installation parameters and current ICC-ES ESR-2764 and ESL-1429 approvals please visit [www.hrc-usa.com](http://www.hrc-usa.com) or contact an HRC representative.



Made in the USA

