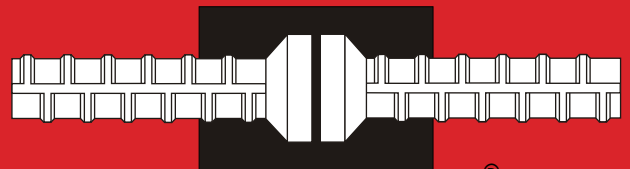


# **HRC**<sup>®</sup> **HRC 500 Series XTENDER Coupler**



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!**

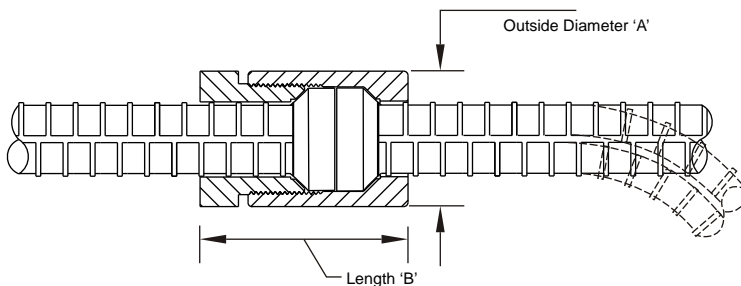
### • Reliability

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.

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



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. 11/2020



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



Made in the USA

**Approvals:**  
**ICC-ES ESR-2764**  
**Caltrans Ultimate Splice**  
**City of L.A. RR 25347**  
**NYCDOB OTCR 24-19**

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