



HRC 555 Series T-Head



Development
and Anchorage of
Reinforcing Bars

for Concrete
and Masonry



- **Substitute Standard Hooks**

For structural, practical or economical reasons the **HRC 555 Series T-Head** is your problem solver. Simplify rebar details, reduce congestion while improving concrete consolidation and lowering the in-place costs compared to conventional methods.

- **Building Code Compliant**

According to ACI 318 the HRC 555 Series T-Heads have the shortest required development length compared to standard hooks or straight bars. The use of **Headed Reinforcement** improves the form, fit and functional performance of reinforced concrete structures. HRC 555 Series T-heads are compliant with ACI 318-19 section 25.4.4, ACI 318-14 section 25.4.4, ACI 318-11 section 12.6 and ASTM A970 Class HA requirements.



HRC Performance
Local Quality Fabrication



Made in the USA



(800) HRC-6775
(714) 557-1455
www.hrc-usa.com

Headed Reinforcement Corp.

HRC 555 Series T-Head



Quality Control

HRC 555 Headed Bars are produced by both HRC and officially licensed fabricators. To achieve consistent quality, officially licensed fabricators perform periodic production testing and are routinely audited by HRC.

Advantages

• Ultimate Capacity

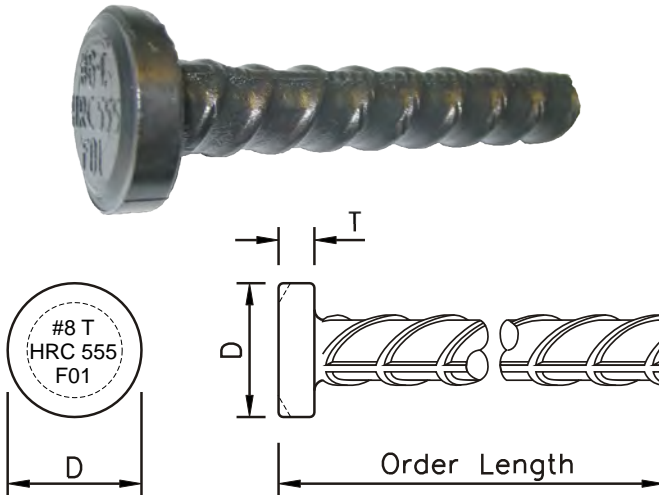
With point of maximum stress near the end of the bar, you can rely on the HRC 555 Series T-Headed rebars to achieve the Ultimate Capacity. The head-to-bar connection is designed to **exceed** the stress and strain capacity of the reinforcing bar, unlike products with reduced cross-sectional properties. A706 recommended for Ultimate performance.

• Reliable Fixed Head

As there is no field assembly, the fixed head will not be missing in action when needed.

• Optimized Head Size

With head thickness less than the bar diameter, detailing issues are prevented and the bearing area can easily be positioned where it is most effective (e.g. hooked around a crossing bar, engaging maximum member depth). Full size heads are still available and should be used for applications that require lower bearing stress at the head to transfer the load.



Dimensions of HRC 555 Series T-Head

Reinforcing Bars			A706/A615 Grade 60		A706/A615 Grade 80		HRC 555 Dimensions	
Size	Dia [in]	Area [in ²]	Yield [lbs]	Tensile [lbs]	Yield [lbs]	Tensile [lbs]	D [in]	T (min) [in] *
#4	0.500	0.20	12,000	16,000	16,000	20,000	1.14	0.25
#5	0.625	0.31	18,600	24,800	24,800	31,000	1.42	0.31
#6	0.750	0.44	26,400	35,200	35,200	44,000	1.69	0.38
#7	0.875	0.60	36,000	48,000	48,000	60,000	1.97	0.44
#8	1.000	0.79	47,400	63,200	63,200	79,000	2.25	0.50
#9	1.128	1.00	60,000	80,000	80,000	100,000	2.56	0.56
#10	1.270	1.27	76,200	101,600	101,600	127,000	2.87	0.64
#11	1.410	1.56	93,600	124,800	124,800	156,000	3.19	0.70
#14	1.693	2.25	135,000	180,000	180,000	225,000	3.82	1.02

* Head thickness should be no larger than bar diameter.

Meets ASTM A970
Class HA, Class A and B
Requirements

Approvals:

ICC-ES ESR-2935

IAPMO UES ER-177

City of Los Angeles Building
Code (LABC) Compliant

Caltrans AML

NYCDOB OTCR 25-19

For installation parameters and current ICC-ES ESR-2935 approval please visit www.hrc-usa.com or contact an HRC representative.

Rev. 04/2022



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