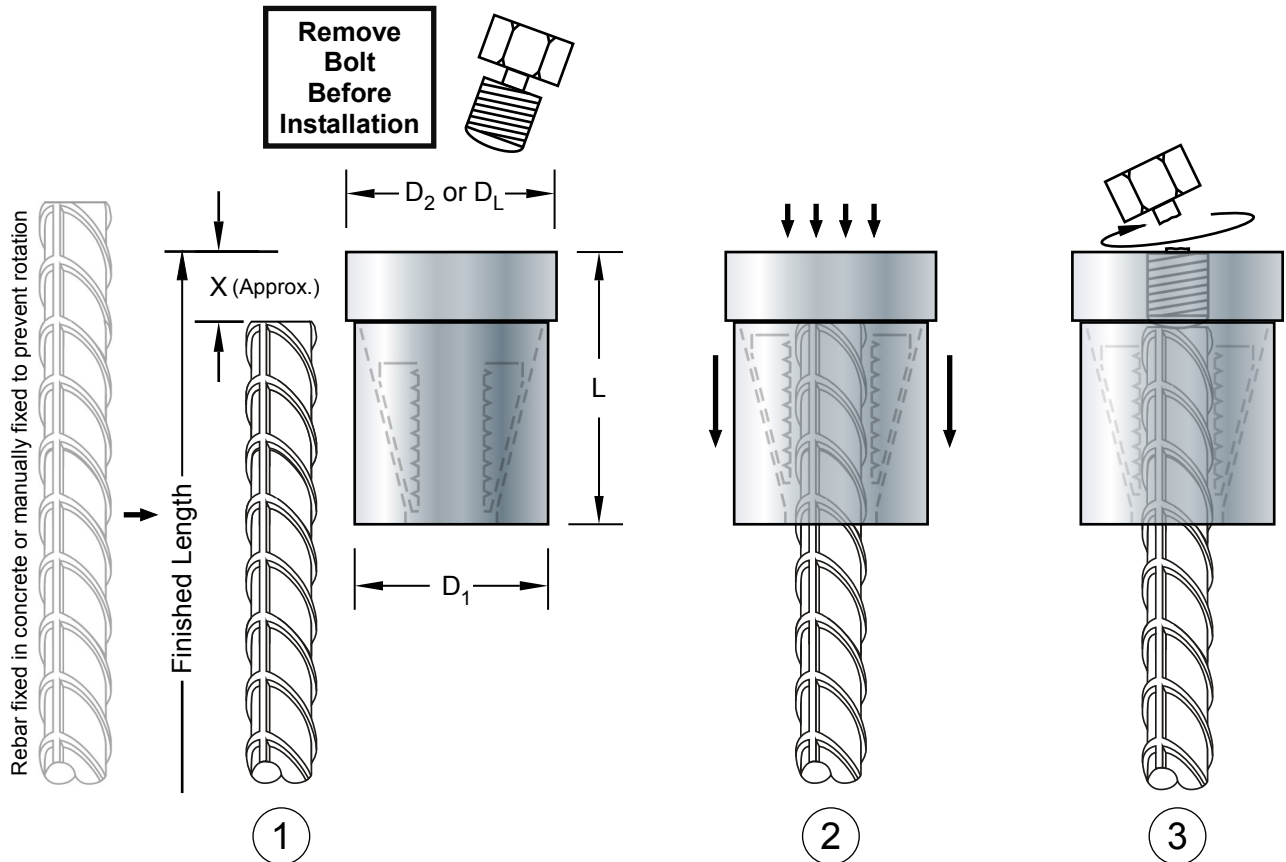


**SAFETY FIRST!** In all cases, follow jobsite safety plans and consider your own personal safety. Make sure you are wearing PPE, and are securely positioned so that you will not slip or fall during installation.

\* See reverse side for California Proposition 65 warning.

## No Special Equipment Needed



1  
Cut bar to desired elevation -X"  
Clean debris and concrete off bar end. Grind down burrs and imperfections if necessary.

2  
Push HRC 670 onto bar, **without** bolt, until it bottoms out. Verify bar end is up against bolt hole. Hammer down if necessary.

3  
Re-insert bolt and torque until bolt head breaks off.\*\*

Bar Size	A706/A615* Grade 60		A615/A706* Grade 80		D <sub>1</sub> [in]	D <sub>2</sub> [in]	D <sub>L</sub> [in]	L[in]	X[in]	Bolt Socket Size
	min yield[lbs]	min tensile*[lbs]	min yield[lbs]	min tensile*[lbs]						
#5	18,600	24,800	24,800	31,000	1.5	1.75	2.0	2.0	0.5	¼ in
#6	26,400	35,200	35,200	44,000	1.75	1.875	2.5	2.313	0.5	¼ in
#7	36,000	48,000	48,000	60,000	2.08	2.25	2.875	2.75	0.625	¼ in
#8	47,400	63,200	63,200	79,000	2.375	2.5	3.25	3.125	0.625	1 in
#9	60,000	80,000	80,000	100,000	2.625	2.75	3.625	3.375	0.75	1 in
#10	76,200	101,600	101,600	127,000	3.0	3.25	4.0	3.5	0.875	1 ¼ in
#11	93,600	124,800	124,800	156,000	3.5	3.625	4.5	4.0	1.0	1 ½ in
#14	135,000	180,000	180,000	225,000	4.0	4.0	5.5	5.0	1.07	1 ½ in
#18	240,000	320,000	320,000	400,000	5.25	5.25	7.25	6.5	1.07	1 ½ in

All data subject to change without notice.  
\* The lower min tensile strength of the 2 specs shown (A706).

Patent No.: US 9,091,064 B1

\*\*Although the bolt torque secures the HRC 670 from longitudinal movement in tension and compression, it may be possible to rotate the device around the bar axis.



**CALIFORNIA PROPOSITION 65 WARNING**

**THIS STEEL PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM (CALIFORNIA LAW REQUIRES THIS WARNING TO BE GIVEN TO CUSTOMERS IN THE STATE OF CALIFORNIA)**

**FOR MORE INFORMATION VISIT:  
[WWW.P65WARNINGS.CA.GOV](http://WWW.P65WARNINGS.CA.GOV)**