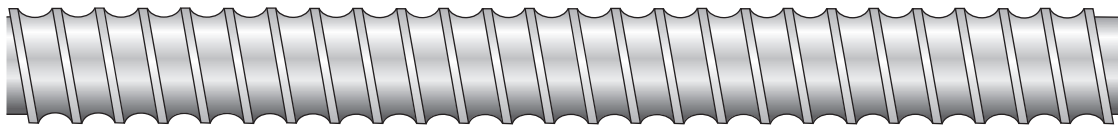


## Continuous Threaded Lagstud

The **AR Continuous Threaded Lagstud** is perhaps the most versatile of all the members of the AR Tyscru family. This versatile product can be used in combination with the complete line of Tyscru products. Continuous Threaded Lagstud is available in both mild steel and high tensile in 12' (3.6 m) lengths. Field cutting may be accomplished with bolt cutters or carborundum blades. Other lengths available on request.

The Lagstud is particularly adaptable in combination with Tyscru to make adjustable Tys, embedded in concrete or rock as an adjustable anchorage for the Tyscru, or in combination with Handle Lagnuts as an emergency lagstud bolt.



**2:1 Safety Factor**

LAGSTUD TENSILE PROPERTIES

Diameter in (mm)	Mild Steel		High Tensile Steel	
	Ultimate Loads lbs (kN)	Safe Working Loads lbs (kN)	Ultimate Loads lbs (kN)	Safe Working Loads lbs (kN)
½ (13)	15,000 (70)	7,000 (33)	18,000 (80)	9,000 (40)
¾ (20)			36,000 (160)	18,000 (80)
1 (25)	50,000 (220)	25,000 (110)	75,000 (335)	37,500 (165)
1¼ (32)	74,000 (330)	37,000 (165)	120,000 (530)	49,000* (216)*
1½ (38)	Contact the NCA Technical Department for details.			

\*When using 1¼" (32 mm) High Tensile Lagstud, use double nuts to obtain full capacity of Rod, 60,000 lbs (265 kN).

LAGSTUD FOR EMBEDDED ANCHORS

Diameter in (mm)	Safe Working Loads @ 2:1		Embedment "H"	
	lbs (kN)		1,000 psi (6.9 MPa) in (mm)	2,000 psi (13.8 MPa) in (mm)
½ (13)	4,500 (20)		16 (408)	12 (304)
½ (13)	6,750 (30)		20 (508)	15 (378)
¾ (20)	9,000 (40)		24 (609)	18 (458)
1 (25)	13,500 (60)		32 (816)	24 (609)
1 (25)	18,000 (80)		40 (1,020)	30 (760)
1¼ (32)	27,000 (120)		40 (1,020)	30 (760)

## SAFE WORKING LOAD 2:1

### Strength of Lagstud

½" mild steel    ½" high tensile    ¾" high tensile    ¾" high tensile    1" mild steel    1" mild steel    1" high tensile    1" high tensile    1¼" mild steel    1¼" high tensile\*

Lag Stud	Safe Working Load
1 ½" mild steel	33 kN (7,000 lbs)
2 ½" high tensile	40 kN (9,000 lbs)
3 ¾" high tensile	80 kN (18,000 lbs)
4 1" mild steel	110 kN (25,000 lbs)
5 1" high tensile	167 kN (37,500 lbs)
6 1¼" mild steel	165 kN (37,000 lbs)
7 1¼" high tensile*	265 kN (60,000 lbs)*

\*Use double nuts to obtain full capacity of Rod.

