

TRI-BUILT® Roof Fasteners

Typical Pullout Values

DECK TYPE	#12 STANDARD	#14 HEAVY DUTY	#15 XHD
18 ga. Steel	540 lbs.	585 lbs.	NA
20 ga. Steel	501 lbs.	535 lbs.	625 lbs.
22 ga. Steel	400 lbs.	527 lbs.	563 lbs.*
24 ga. Steel	325 lbs.	360 lbs.	450 lbs.
26 ga. Steel	280 lbs.	297 lbs.	325 lbs.
28 ga. Steel	245 lbs.	265 lbs.	295 lbs.

*Grade 33 deck at FM.

Pullout values for steel deck are subject to variation due to deck and tensile strength.

DECK TYPE	#12 STANDARD	#14 HEAVY DUTY
½" Plywood	364 lbs.	410 lbs.
⅝" Plywood	460 lbs.	502 lbs.
¾" Plywood	531 lbs.	590 lbs.
7/16" OSB	320 lbs.	346 lbs.
2" Spruce Plank	735 lbs.**	820 lbs.**

Pullout values for wood deck are subject to variation due to different species of wood, plywood grade and number of plies.

**Requires 1" embedment into the plank.

DECK TYPE	#14 HEAVY DUTY
3000 PSI Concrete	800-1000 lbs. §

§Values will be affected by aggregate size and type, and condition/age of the deck.

These are typical values based on independent test results in new material.

Field test per ANSI FX-1 should be performed to confirm actual values.