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TOWER ANCHOR SPECIFICATIONS

Material. Bolt - 1045 carbon steel (Forged)
Anchor Body, flat washer and TorqNut - 1045 carbon steel
TorqNut retaining sleeve. - Vinyl
EPDM Rubber washer

**** All Non-metallic parts are for the ease of installation. They do not serve any structural purpose in the performance of the Anchor.**

Dimensions. M20 X 90mm/adjustable to 70mm

Hole Diameter. 1 3/16"

Grip Range .50 to 3.250

Wrench / Socket Size. 1 1/4"

Plating Specification . ASTM A123 Hot-Dipped Galvanize or Per customer specifications

Ultimate Shear = 61,448 psi (tightened to 130 ft.lbs)

Factored Shear = 46,191 psi

Ultimate Tension = 39,172 psi (tightened to 100 ft.lbs)

Factored Tension = 33,276 psi

Ultimate Tension = 54,342 psi (tightened to 130 ft.lbs)

Factored Tension = 46,086 lbs.

Shear load – Yield = Plastic Range (yield is 77% of shear)

ANCHOR FEATURES

TorqNut shear Nut - Guarantees each anchor will be set at a pre-determined torque.

Extended Bolt with rounded end that protrudes past interior cone of expansion to prevent coaxial cable from rubbing against the Anchor.

Color Coded torque nut retaining ring - Allows visual torque confirmation from a distance - Retaining ring can be of any chosen color.

EPDM Washer serves as anti-rotation device to prevent anchor from spinning during installation.

INSTALLATION FEATURES

Tower Anchor comes completely assembled.

Tower Anchor length covers the complete grip range and is field adjustable to accommodate the wider grip range applications by the simple addition of a 20mm spacer sleeve

A Simple installation process using an impact wrench with a standard 1 1/4" deep socket. Approximate installation time 5 seconds.

INSTALLATION PROCEDURE

Drill 1 3/16" hole

Insert anchor through the stiffener into the monopole.

Using an impact wrench with a 1 1/4" socket, tighten nut until the top-nut shears off.