

POINT ANCHOR SYSTEM



HyTec Bolt

The Minova HyTec Bolt System is unique, combining a conventional bolt with an expansion shell, a 1-1/4" OD tube, and a plate - making the anchorage of Minova's HyTec Bolt stronger than conventional bolts. This unique anchorage system creates a reduced annulus and allows for high installed tensions with dramatic reductions in resin requirements.

The 1-1/4" OD tube is threaded onto the bolt and acts as a support for the expansion shell. When the bolt is inserted, the resin is compressed from the back of the hole past the expansion shell to mix and gel around the tube. As the resin hardens, the torsional relationship between the bolt and tube is relieved as the tube passes (actually strips off) the bottom thread of the bolt.

Sturdy anchorage is maintained by the expansion shell and the tube. The tube length can vary from 6"

to 24", depending upon the diameter and grade of steel being used, assuring enough anchorage to develop the full strength of the bolt. Just 15 minutes after installation, Minova's HyTec Bolt System is ready for anchorage testing.

Installation Procedures:

1. Drill hole at proper diameter and depth.
2. Make depth 2" longer than the bolt.
3. Insert appropriate Minova resin cartridge.
4. Insert Hytec Bolt and Bearing Plate to within 1/16" to 1/8" of roofline.
5. Rotate bolt until tight using drill pre-set to proper torque. Plate should be tight against roof.

Specifications:

Bar Diameter & Grade	Min Yield	Min Tensile	Borehole	Shell	Plate	ft-lbs
3/4" Gr75	25,100 lbs	33,400 lbs	1-3/8"	Standard, Long	Gr3, Gr4	175 - 300

Solutions from Materials Technology





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