

Expansion Shell (For Rock Bolt)

In certain situations with solid rock, or intrusion of water, it is necessary to load the rock dowels immediately for the safety of tunneling work. In such cases the Expansion Shell is put onto the full threaded rock dowels, the bolting system is inserted into the borehole and rotate to gain effect with parallel expansion of the shells.

For corrosion protection and for better bonding of the rock dowel, the borehole should be injected with grout. The Expansion Shell is designed to be applied with full threaded solid or hollow bolt.

Expansion Shell 125mm L * 46mm O.D.
Circumferential 120° with contact area 80cm²*2



Permissible pull-out load **120kN** with 35 Mpa strength rock geology.

