

16 Project Profile

Principal Contractor:
Thiess Hochtief Joint Venture

Distributors:
Nepean Boltmaster Pty Ltd, Penrith

Tapper™ secure tunnel project in Chatswood - Parramatta Rail Link

Powers Fasteners' experience in providing fastening solutions in tunnel projects has once again proved to be the winner when put up against the competitors' offering.

Thiess Hochtief Joint Venture the principal contractor were faced with a major fastening dilemma when powder actuated fastenings systems offered by Hilti Australia continually failed to live up to the expectations of their proposed system.

The Powers concrete Tapper™ screw was found to be the most successful system for holding the water membrane back to rock walls and unlike the competitors offering the Tapper™ catered for any adjustment that was required due to unevenness of the rock surfaces and the inconsistent base material.

The system was put to the test and very quickly adopted as the most reliable and cost effective system ensuring that the shift crews could work through confidently with no fear of down time that had been experienced previously with the powder actuated Hilti system.

The Tappers complete with a metal backed bonded EPDM washer ensured that water ingress through the penetrated membrane was alleviated and the membrane held firmly in position whilst Shotcrete was applied over.

Product:
2702 Tapper™ 5x45

Other available sizes; 5mm and 6.5mm diameter, countersunk or hex head, in 7 lengths, up to 100mm.

Powers Fasteners long history of fastening solutions in Australian Tunnel projects can be viewed in Project Profile numbers 4, 5.

