



QUATTRO
PROJECT
ENGINEERING

ENGINEERING PARTNERSHIPS

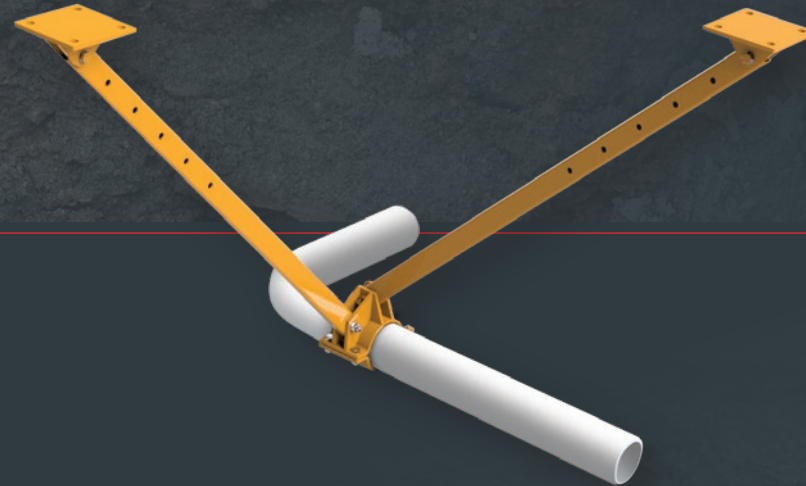


CLAW™

Quattro Project Engineering have revisited the way underground services are hung & braced.

Our fully engineered and certified Quattro Q-Claw offers a technically sound solution which significantly reduces the cost associated with each pipework installation. By offering a single point of support, the requirement for the drilling and installation of rock bolts is halved, while the Quattro Q-Claws ability to "hug" the pipe greatly improves the ease of pipe suspension.

- Certified to a SWL of 1000kg
- Reduced cost
- Halves requirement for rock bolts
- 6" & 8"
- Installation time greatly reduced



BRACE™

The Q-Brace system allows lightweight, multidirectional tensile bracing from a system that is easy to site install without the requirement for custom pipe fabrications. Secured to the pipe via bolt on friction Clamps, the bracing arrangement can be installed anywhere along the pipework as required. The system has been designed such that the lengths of each brace can be adjusted to suit site conditions while the systems symmetry resolves loads in any direction.

- Improved safety
- Multi-Directional Bracing
- Lightweight Construction
- Clamp on Bracing
- Tensile load resolution



These QProducts offer a superior fastening and bracing solution for underground mine service pipes due to the following;

SAFETY

- Fully Engineered and Certified in accordance with code
- 1000kg Rated Pipe Supports
- Significantly reduced manual handling during installation

ECONOMICAL

- Eliminates 50% of rock bolts and associated installation costs
- No requirement for rigid, custom pipe fabrication for bracing

EFFICIENT

- Fast Installation
- Installation can be laser aligned to reduce hydraulic losses and installation costs
- Three piece QClaw construction - snap on "claw" can be pre installed

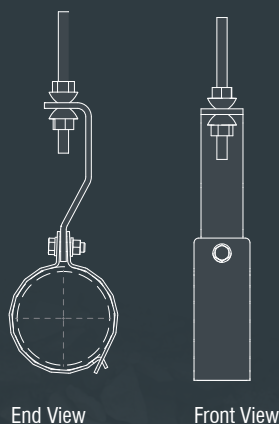
SIMPLE

- Installation via a single hanging bolt makes alignment of the bracket simple and easy
- The QBrace can be simply bolted onto any section of pipe and cut to length using pre fabricated adjustable holes

ASSEMBLY/DESCRIPTION

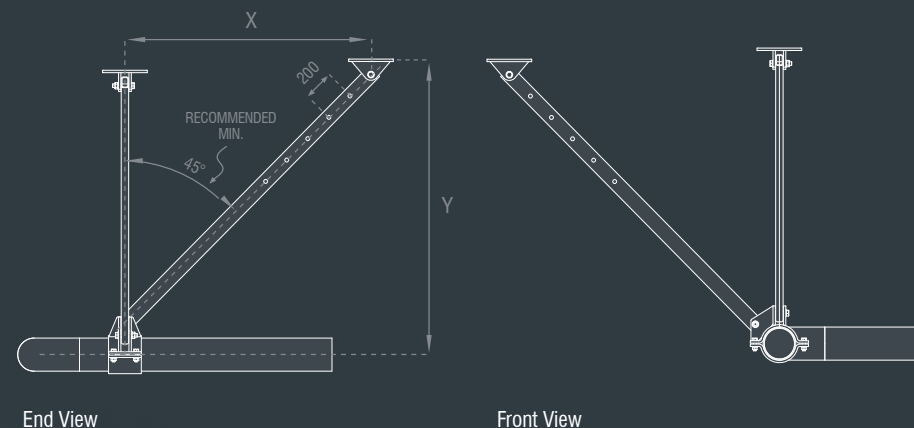
1. Hanging Bracket is attached to backs with single back bolt and secured with dome nuts
2. "Claw" segment is snapped on to pipe for ease of fitment with a single fastener to the Hanging Bracket
3. Locking segment is attached and completes the installation with the tensioning of the bolt
4. QBrace collar bolted to pipe immediately prior to any major bend
5. QBrace strut arms cut to length utilising pre fabricated holes
6. QBrace strut arms secured to backs in a counter flow direction

Q Claw



Q Claw Type	Rated Capacity
6"/8"	1000kg

Q Brace



Q Brace Type	Brace Length
Max X	1652
Min X	945
Max Y	1956
Min Y	1249