MLCO TRADING LIMITED ®
TPIN: 2061889389
Service Re-Invented

P.O Box 28050, Parklands, Kitwe, Zambia.
Tel + 260-966-849978 / +260 966 512070, Email admin@mlcotrading.com

FRICTION ROCK ANCHOR

Friction rock anchors are simply a long length of open seam, high strength steel tube. One end is equipped with a welded steel ring which retails a bearing plate. The opposite end is tapered to facilitate easy insertion into the driller hole in the rock.

TECHNICAL INFORMATION

Recommended hole size	• Hole sizes should be 1 to 3mm smaller in diameter that the friction rock anchor to be installed. This is important for good performance and friction.				
	Anchor Diameter	**33mm**	**39mm**	**42mm**	**46mm**
	Recommended hole diameter (mm)	30 – 32	35 – 38	38 – 41	41 - 43
Size	• All four diameters are available in standard lengths from 0.6m to 3.0m in increments of 0.3m • Non-standard lengths are available on request				
Domed bearing plates with optional dog ear	**Length mm**	**Width mm**	**Thickness mm**	**Hole Size mm***	
	125 150	125 150	5 or 6 5 or 6	34, 40, 43 or 47 34, 40, 43 or 47	

ADDITIONAL INFORMATION

The friction rock anchor is driven into a drilled hole slightly longer and smaller in diameter than the anchor.

The open seam along the length of the anchor is then compressed as it is driven into the drilled hole. The outward radial force generated by the compressed anchor on the surrounding rock anchors it in the hole.

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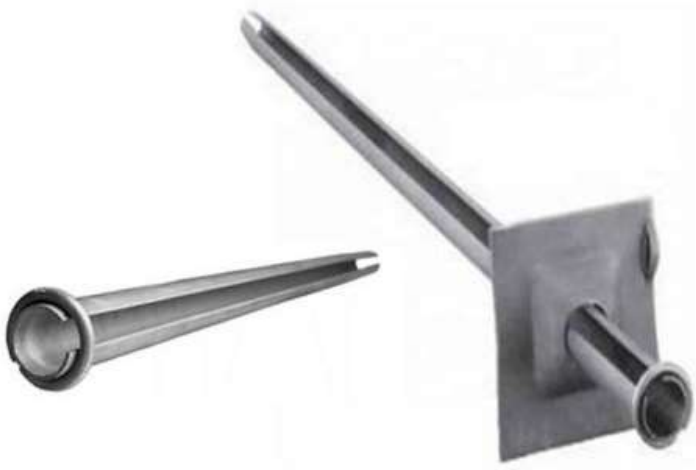
APPLICATIONS

- As a temporary, quick and easy support in development ends prior to the installation of more permanent support (should this be required)
- Securing of wire mesh in underground excavations, road cuttings and open pit highwalls
- As an anchor to hang pipes and cables.



INSTALLATION PROCESS

- These units are easy to install and all that is required is the appropriate driving tool and percussion type drill (jackhammer, jackdrill, stopper etc,)
- Drill a hole 1 to 4mm smaller in diameter than the friction rock anchor to be installed
- Place the driving tool into the chuck of the drill
- Place the bearing plate over the tapered end of the friction rock anchor
- Place the tapered end of the friction rock anchor into the collar of the drill hole and align
- Start the drill and drive the friction rock anchor home until the bearing plate is hard up against the rock face.