

We specialise in the exclusive manufacture and supply of underground roof control systems which cater for soft and hard rock mining environments.

MSP ROCPROP

The MSP Rocprop is a steel elongated roof support, that was originally designed for deep level gold mines for use in tubular ore bodies with mining widths of up to 6m.

Available in 20t and 40t variants, it's an all-steel elongated support system with predictable and repeated performance, thereby catering for static and dynamic load conditions and ensuring availability of the excavation for its life span.

Under static load conditions it sustains constant load-bearing characteristics and during blasting it maintains the integrity of the hanging roof during closure. In both static conditions and in seismically active mines it provides a constant resistance to prevent fall of ground.

MSP ROCPROP ADVANTAGES

- Lightweight
- Easy to install
- Colour coded to identify ranges
- Dynamic yielding capability
- No creep under static conditions
- Consistent loading therefore no uneven loading on hanging wall

MSP ROCPROP APPLICATIONS

HARDROCK APPLICATIONS

- In-stope Support - seismic and high closure environments
- Rocset - replacement for timber sets and steel arches where yieldability is required.
- Bullnose/Tunnel Intersection Support - replacement of timber pack (cribs) a tunnel intersections.
- Reef Intersection Support - specialised instllation catering for high stress changes and large deformation ranges
- Brow Support - undercutting of brows to reduce the amount of external waste
- Winch Area Support - supports hanging walls at remote locations

SOFTROCK APPLICATIONS

- Longwall Moves - saving downtime when relocating shield support
- Beltdrive Support - active, yielding support system that doesn't impede ventilation flow
- Brow Support - actively supports overhanging brows
- Systematic Roadway Support - Rocprops are capable of providing support to ensure stable conditions, replacing mechanical anchors due to ease of installation
- Tailgate and Headgate Support - higher capaacity Rocprops ensuring stability during longwall operations
- Barrier Line Support - used in environments such as cave mining to prevent uncontrolled progression of roof collapses into work areas
- Vent Wall Construction - an easy method of constructing ventilation walls, especially where blast resistance is required

MSP ROCPROP SPECIFICATIONS

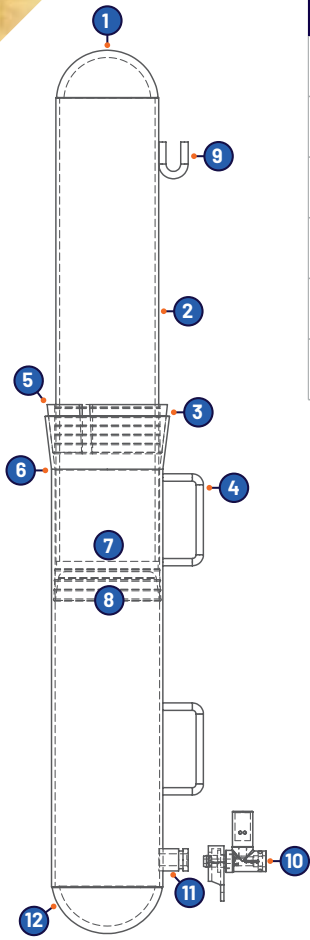
Yield load (kN) Static	400
Yield load (kN) Dynamic	200
Pump time(s)	45 - 120 sec



MINE SUPPORT PRODUCTS

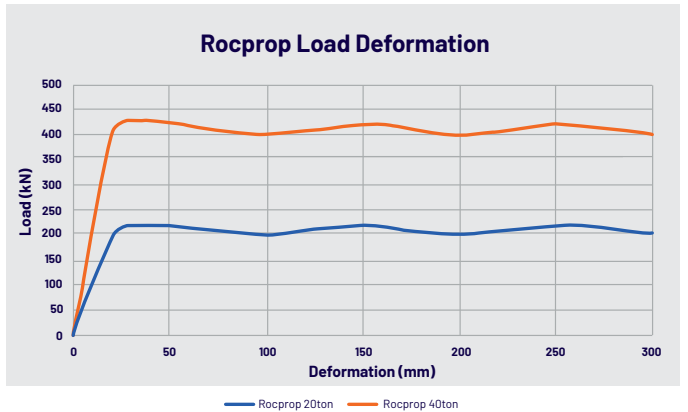
PRACTICAL. PROFITABLE. **PRODUCTIVE.**

MSPROCCPROP PRODUCT SCHEMATIC



NO.	COMPONENT NAME	NO.	COMPONENT NAME
1	Inner Tube Domed End	7	End Plate
2	Inner Tube	8	Cup Seal
3	Cone	9	Hook
4	Carrying Handle	10	Control Panel
5	Flared Section	11	Loading Nozzle
6	Outer Tube	12	Outer Tube Domed End

MSPROCCPROP LOAD DEFORMATION



MSPROCCPROP AVAILABLE SIZES

1m < 6m in 20t load capacity

1m < 3.5m in 40ton load capacity

PRODUCT COLOUR CODING: 20T

MK1 SIZES			MK2 SIZES			MK3 SIZES		
ITEM NO.	SIZE	COLOUR	ITEM NO.	SIZE	COLOUR	ITEM NO.	SIZE	COLOUR
RPII20B	0.9 - 1.1m	Orange	RPII20E	0.9 - 1.1m	Orange	RPII20C	0.9 - 1.1m	Orange
RPI220B	1.0 - 1.2m	White	RPI220E	1.1 - 1.2m	White	RPI220C	1.0 - 1.2m	White
RPIS20B	1.2 - 1.5m	Red	RPIS20E	1.2 - 1.5m	Red	RPIS20C	1.2 - 1.5m	Red
RP1820B	1.5 - 1.8m	Yellow	RP1820E	1.4 - 1.8m	Yellow	RP1820C	1.4 - 1.8m	Yellow
RP2320B	1.8 - 2.3m	Brown	RP2120E	1.7 - 2.1m	Brown	RP2320C	1.7 - 2.3m	Brown
RP2520B	2.0 - 2.5m	Green	RP2320E	2.0 - 2.3m	Green	RP2520C	1.9 - 2.5m	Green
RP3220B	2.3 - 3.2m	Blue				RP3220C	2.2 - 3.2m	Blue
RP3520B	2.5 - 3.5m	Purple				RP3520C	2.4 - 3.5m	Purple
RP4020B	2.8 - 4.0m	Light Green				RP4020C	2.7 - 4.0m	Light Green
RP4520B	3.2 - 4.5m	Grey				RP4520C	3.0 - 4.5m	Grey
RP6220B	4.0 - 6.0m	Black						

PRODUCT COLOUR CODING: 40T

MK1 SIZES			MK3 SIZES		
ITEM NO.	SIZE	COLOUR	ITEM NO.	SIZE	COLOUR
RPII40B	0.9 - 1.1m	Orange	RPII40C	0.9 - 1.1m	Orange
RPI240B	1.0 - 1.2m	White	RPI240C	1.0 - 1.2m	White
RPIS40B	1.2 - 1.5m	Red	RPIS40C	1.2 - 1.5m	Red
RP1840B	1.5 - 1.8m	Yellow	RP1840C	1.4 - 1.8m	Yellow
RP2340B	1.8 - 2.3m	Brown	RP2340C	1.7 - 2.3m	Brown
RP2540B	2.0 - 2.5m	Green	RP2540C	1.9 - 2.5m	Green
RP3240B	2.3 - 3.2m	Blue	RP3240C	2.2 - 3.2m	Blue
RP3540B	2.5 - 3.5m	Purple	RP3540C	2.4 - 3.5m	Purple



www.msp.co.za

**RELENTLESS
RESISTANCE**
MINE SUPPORT PRODUCTS