

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

MSP HYDROPROP

The MSP Hydro-Prop is a re-useable temporary hanging wall support unit that can be remotely installed and removed. Its structure is manufactured from a two-steel tubing system which allows for efficient support to hanging wall when water is pumped into it.

The MSP Hydro-Prop's tubing system is hydraulically set and in so doing extends out telescopically to support and suit required excavation height up to 3.5m.

The inlet (fill-valve) is a non-return valve capable of tolerating a large number of debris and a complimentary tool has been designed to remotely release this valve to collapse the two sections back together.

During installation the prop is installed and pre-stressed using current conventional pre-stress pumps as utilised for pre-stressing pods, pack pre-stress plates as well as other water pre-loaded elongate supports used in underground mines. The pump can pre-stress the prop to maximum loads of up to 10 tons.



MSP HYDROPROP ADVANTAGES

- Light weight and easy to install (less labour intensive).
- Reduced installation time – approx. 45 seconds pumping time.
- Remote installation and release.
- Dynamic yielding capability (up to 2.5m).
- No creep under static conditions.
- Consistent loading therefore no uneven loading on hanging wall.

MSP HYDROPROP SPECIFICATIONS

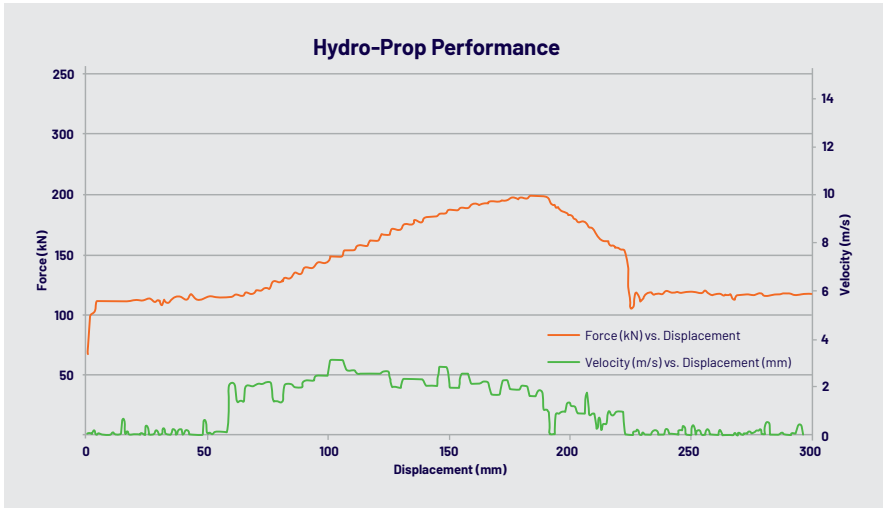
Pre-load (tons)	10
Yield load (kN) Static	100
Yield load (kN) Dynamic	200
Pump time(s)	45

MSP HYDROPROP SPECIAL FEATURES

- Swivelling headboard.
- Cost effective, re-useable support structure.
- Available in 10 metric ton yield.
- Optional blast protection sleeve.
- Dynamically and statically tested.
- Various lengths available. From 0.9m to 3.5m at max extension.
- Performance exceeds requirements/standards set by CSIR's Mining and Technology for Rock Burst Control.
- High-grade production materials are specified.

MINE SUPPORT PRODUCTS
PRACTICAL. PROFITABLE. PRODUCTIVE.

MSP HYDROPROP PERFORMANCE

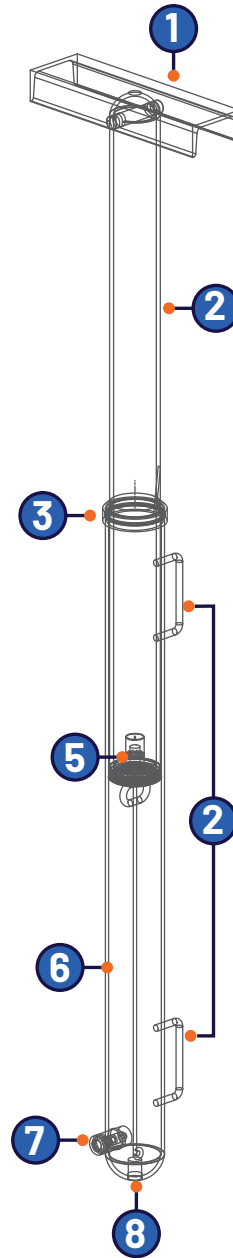


MSP HYDROPROP PRODUCT SCHEMATIC

NO.	COMPONENT NAME	NO.	COMPONENT NAME
1	Swivel Head Board	5	Inner Seal & Relieve Valve
2	Inner Tube	6	Outer Tube
3	Scrubber Seal	7	Filler Valve
4	Carrying Handles	8	Outer Tube Dome

MSP HYDROPROP AVAILABLE SIZES

CODE	MAX (M)	MIN (M)	TRANSPORT LENGTH (M)	WEIGHT (KG)
HPII	1,1	0,9	0,85	21
HPI2	1,2	1,1	0,9	22
HPI5	1,5	1,2	1,1	25
HPI8	1,8	1,4	1,3	30
HP21	2,1	1,7	1,5	33
HP23	2,3	1,7	1,6	36
HP25	2,5	1,9	1,7	38
HP32	3,2	2,2	2,1	46
HP35	3,5	2,4	2,2	48



**RELENTLESS
RESISTANCE**
MINE SUPPORT PRODUCTS



GROUP OF COMPANIES

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