

RELIABLE ROCK BOLTING FOR MAXIMUM SAFETY

The Dynaset hydraulic expansion unit (HEU) is used for reliable bolt anchoring by expanding a bolt inside a hole in a rock wall in caves, tunnels, construction sites etc.

The expansion unit produces a burst of high pressure water inside the hollow and initially compressed bolt, inserted into a hole in the wall. The expanded bolt is tightly secured.

The expansion unit complies to all standards for rock bolting.

The expansion unit can be installed in any mining machine. It is suitable for mechanical or manual bolting - it can be operated from a platform or from the ground. Available accessories are various adapters and expanding guns.

With patented, trouble free hydraulic pump inside and tough outer shell, the unit will be in service for a long time - even in the toughest conditions.



The hydraulic rock bolt expansion unit is designed to meet the rough conditions in mines and excavations with no problems.

▲ Top: un-expanded rock bolt in a hole drilled on a rock
Below: expanded rock bolt in a hole. The bolt fits tightly in the hole, and holds eg a safety net reliably.

▼ The anchor bolt can be expanded easily with a manual expansion gun.

Expansion Unit	Water Pressure	Water Discharge	Water Temp.	Water Supply Pressure	Control Voltage	Fuse		Weight	Hydraulic Requirements	
	Max bar	Max l/min	Max °C	Max bar	Max V DC	Sugg. A	Max A		Flow l/min	Pressure bar
HEU 320 - 40	320	20	70	10	24	8	10	36	10 - 40	170 - 300