



HYDRAULIC ROCK BOLT EXPANSION UNIT

Easy and reliable rock bolt expansion!

The hydraulic rock bolt expansion unit by Dynaset Oy is an excellent choice for standard-meeting, controlled and reliable rock bolt attachment. It is suitable for both mechanical and manual bolting. Only hydraulic power from a carrier machine and water are needed for using the unit.

The expansion unit secures the bolt inside a hole drilled into the rock wall by expanding the hollow bolt with a burst of high pressure water. The burst makes the bolt, initially compressed, expand along the walls of the hole, locking it firmly into the hole.

Practically any mining machine is a good carrier for the expansion unit. Operating it is simple: it can be used either from the platform or from the ground. Available accessories for the unit are various mouth pieces and expansion pistols.

The light and compact is easy to move around and bring along wherever needed. The core of the unit is a patented hydraulic high pressure pump whose construction contains no rotating parts. Along with the tough outer shell, this guarantees the unit a long service career in even the toughest environment.



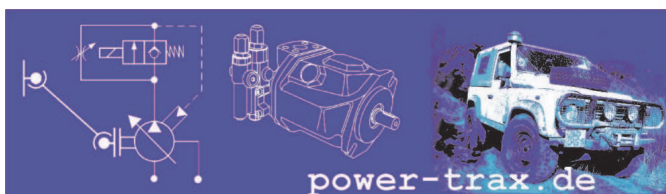
Compressed (top) and expanded (bottom) rock bolts in holes in a rock wall



Hydraulic bolt expansion unit

- Complies to standards on rock bolting
- Easy to install and take into use
- Compact and powerful
- Easy to use
- Durable design and construction
- Anchors bolts reliably with high pressure water

EXPANSION UNIT	WATER PRESS.	WATER SUPPLY PRESSURE	WATER TEMP.	WATER DISCHARGE	HYDRAULIC REQUIREMENTS		CONTROL VOLTAGE	FUSE		WEIGHT
	max	max	max	max	Pressure	Flow	max	Rec.	max	unit only
HEU 320 - 40	320 bar	10 bar	70°C	20 l/min	170-300 bar	10-40 l/min	24 V DC	8 A	10 A	36 kg



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