

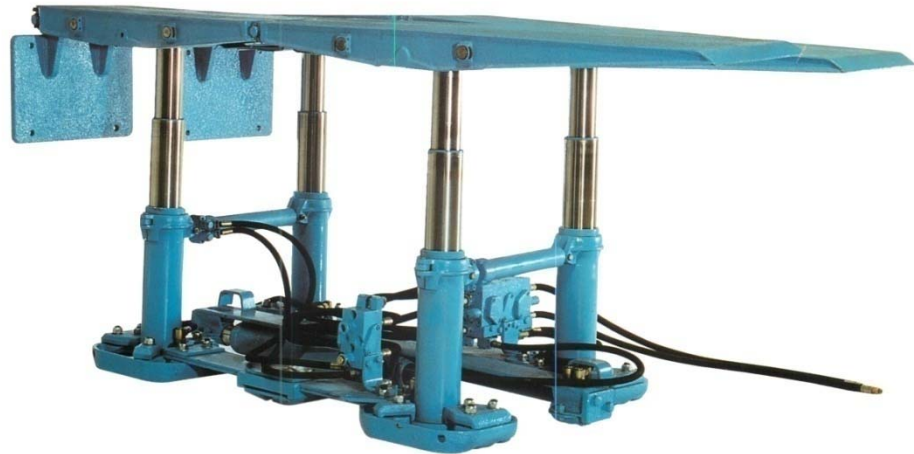


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SELF-MOVING ROOF SUPPORT SYSTEM **K 1.1**

Product description

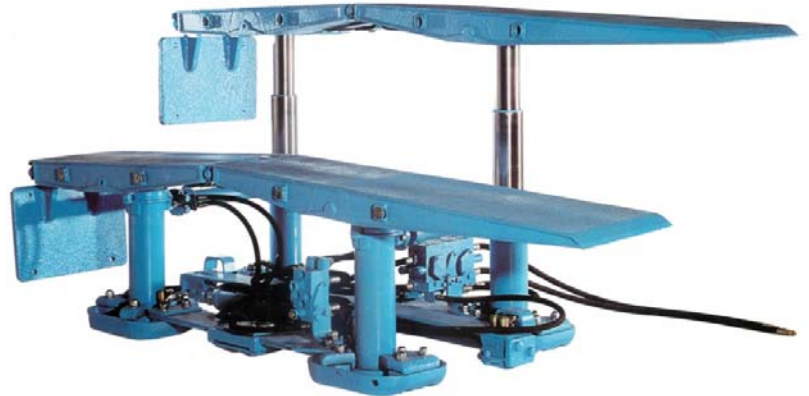


INTRODUCTION

The K 1.1 roof support system is a self-moving module with two frames which have extremely flat bases for installation in very thin to medium seams with little slope. It is vertically very adjustable and has a wide circulation area and large transversal ventilation section even in thin seams.

Two roof frames in the K 1.1 Hydraulic Support have a total surface of 2,16 m² against the 4,05 m² which covers the device itself. Therefore, K 1.1 Hydraulic Support has a roof coverage of more than 50%. The largest gap without being covered is the area between two roof supports unit which has only 40 cm width.

The total weight is approx. 1400 Kg and this provides a relatively ease transport in the mine. Furthermore, the dismantling process is easy and replacement of parts can be done with no difficulties inside the mine.



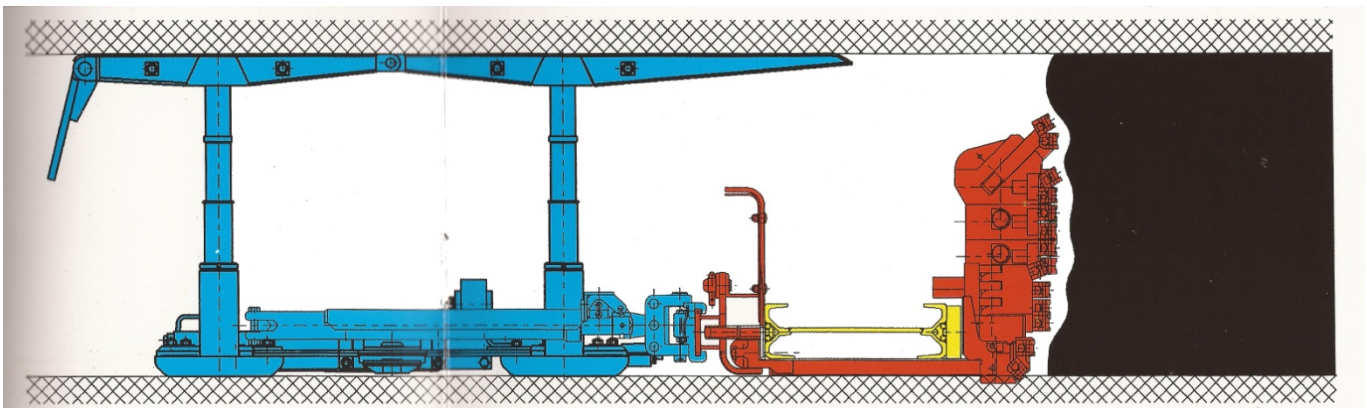
The minimum height is only 482 mm. The low height of this System Support facilitates the operation in thinner seams that might appear in the mine workings. The self-sufficiency in its movement is favourable in these cases.

The area between front and rear hydraulic props is used as a mine street and it's a completely safe area.

The advance of the Hydraulic Support is done in two steps of 600 mm each: first it moves forward one half and then the other one. Space between the edge of the roof frames to the mine face varies approximately between 940 mm before its advance and 340 mm when it has just moved forward.

The strength of the roof support per square metre of open roof varies between 38/26 t depending on whether the hydraulic props are on the first or the second hydraulic step.

When the Hydraulic Support is used in seams with some degree of slope, the two rear hydraulic props are joint together with a correcting cylinder and this is also done with the two front hydraulic props.





FEATURES:

Mining stroke 600 mm
 Mining force with 350 bar pressure 79 kN

PERFORMANCE:

Roof Support					Mine Prop	
Contracted Height mm	Hydraulic run mm	Extended Height mm	Mechanical Prolongation mm	Rated work Resistance kN	Type	Sliding Load kN
482	375	857	+300	1.720 / 1.200	Estempe Telescópico	430 / 300
535	400	935				
585	500	1085				
635	600	1235				

The hydraulic props height can be increased by using lower mechanical prolongations.

