

CUTTING MACHINE OF STEEL ARCH SUPPORT SV 120

Use and description:

Cutting machine of steel arch support **SV 120** (hereinafter only cutting machine) is used in underground mine workplaces for cutting old steel arch support profiles during scrapping them. Hydraulic oil or water oil emulsion is a working liquid. The cutting machine consists of a frame, hydraulic cylinder, cutting edge holders and console with a binding screw.

The frame is made from two halves connected each other with bolts, inside which the upper cutting edge holders moves, in the bottom part the fixed cutting edge holders is fastened. The hydraulic cylinder is bolted to the upper part of the frame through a flange. The cutting edges are bolted to the holders with bolts M 12.



SV 120

Characteristics:

Type		SV 120
Max. profile of the arch support to be cut	kg.m ⁻¹	K 27
Max. cutting force	kN	1 470
Cutting edge stroke	mm	120
Working liquid	emulsion HFA with min. 3-5% concentration or hydraulic liquid having a viscosity of 46 mm ² .s ⁻¹ at 40°C	
Working pressure – max.	MPa	32
Working pressure – min. (for material of arch profile up to Rm=600 MPa)	MPa	20
Filtration	µm	50
Hose connection - DN	mm	12 - STECK
Dimensions w x h x l	mm	570x844x625
Weight	kg	~ 360.0

Type marking: **SV 120**
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The product has been designed and constructed as the equipment group I (mine), category M2 according to the Directive 94/9/EC of the European Parliament and of the Council and meets the requirements for using in areas “dangerous atmospheric conditions 2” according to EN 1127-2+A1 on condition that all national regulations of the employer are fulfilled.