

# PKU-3

## PNEUMATIC ROOF BOLTING MACHINE

The PKU-3 compressed-air impact roof bolting machine is a multipurpose machine intended for drilling the blast holes in the roof and for drilling the bolt holes, for tamping and tightening the bolts in medium and hard rocks. Due to placing the drill at the side of the ram, a very compact design combined with a relatively high value of the active stroke has been obtained.

The PKU-3 roof bolting machine has been designed especially for low underground workings and for faces where realization of the roof bolting is required directly after blasting, because it enables drilling to be effected from heaps of the gotten material. The minimum height of the working is determined by the length of the initial drill and amounts to 1400 mm.

### ■ TECHNICAL PARAMETERS:

Mass	kg	42
Height with maximal stretched prop	mm	1740
Length	mm	940
Cylinder stroke	mm	750
Pressing force*	kN	2,1
Impact energy*	J	24,5
Stroke frequency*	1/min	1950
Drill bit rotation speed*	1/min	200
Air consumption *	m <sup>3</sup> /min	3,2
Internal diameter of the compressed air hose	mm	25
Internal diameter of the water hose	mm	12,5
Dimensions of drill shank	mm	22,2(7/8")x108 or 25,5(1")x108

\* The values obtained of 0,4 MPa compressed air pressure.

It is possible to make pneumatic impact roof bolting machine with a different corresponding jump usefull.

