

Chainless Shifting Device SAB 1

The chainless shifting device type SAB is determined for moving of the under-wall (gathering) conveyors suspended in the technological slot as well as for the moving of complete configurations consisting of a gathering conveyor, a coal crusher and a discharge station of the wall conveyor.

The device consists of a basic frame, a pawl, two hydraulic rolls, a hydraulic control device, pull-rods and anchoring nests. For anchoring it is possible to use standard hydraulic props of relevant height or special hydraulic props delivered by our company separately.

Work description:

The equipment is anchored through the use of hydraulic props. Subsequently the pull-rods of 1400 mm length are moved by hydraulic rolls. The hydraulic rolls travel is 700 mm. After each travel the pull-rod is blocked with a backspace pawl.

Technical parameters:

Shifting Device Type	SAB 1 – 30	SAB 1 – 50
Rolls number / diameter	2 / Ø 80mm	2 / Ø 100mm
Max. pressure (MPa)	32 MPa (320 Barr)	
Rolls travel	700 mm	
Pull-rod length	1400 mm	
Tractive force	30 tun	50 tun
Liquid	Emulsion oil or hydraulic oil	
Pull-rods number	max. 30 pcs	max. 30 pcs