

ROBBING WINCH VP 40 K

Use and description:

Robbing winch **VP 40 K** (hereinafter only winch) is a rope pulling equipment for handling requiring big pulling force at small rope speed, e.g. for robbing a timbering (taking up props), steel arches etc.

The winch consists of a frame, drive, gearing, rope imbedding device, drum with planetary gearing, limiting rollers, drum cover and anchoring beams. The gearing enables to operate with two rope speeds – pulling and unwinding. The winch control is through pneumatic valve and reversible lever. The drum cover design enables to be opened. It is manufactured from circular bars and so, the unwarranted handling is eliminated and rope bedding on the drum is possible to see. M In the winch is equipped with motor type VMZ 15 or with type VMZ 13.



Characteristics:

Type		VP 40 K			
		Winding		Unwinding	
		VMZ 15	VMZ 13	VMZ 15	VMZ 13
Pneumatic motor type		15	13	15	13
Pneumatic motor output	kW	15	13	15	13
Medium pulling force in rope	kN	46.6	39.4	–	–
Max. pulling force in rope with empty drum	kN	58.2	46.9	–	–
Smallest pulling force in rope with full drum	kN	38.8	34	–	–
Rope medium speed	m.s ⁻¹	0.28	0.28	1.52	1.52
Max. rope speed with full drum	m.s ⁻¹	0.34	0.34	1.82	1.82
Smallest rope speed with empty drum	m.s ⁻¹	0.23	0.23	1.21	1.21
Air pressure	MPa	0.4 – 0.6		0.4 – 0.6	
Pressure air filtration	µm	55		55	
Drum diameter	mm	300		300	
Length of rope ø 20 ČSN 02 4342.41	m	125		125	
Length of rope ø 18 ČSN 02 4342.61		135		135	
Dimensions (w x h x l)	mm	795x610x1 162		795x610x1 162	
Weight	kg	1 000.0		1 000.0	

Type marking:

VP 40 K
 VP ROBBING WINCH
 40 rope nominal pulling force in kN
 K KOEXPRO

The product has been designed and constructed as the equipment group I (mine), category M2 and equipment group II (mine surface installations), category 2 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 and “zone 1” according to EN 1127-1 on condition that all national regulations of the employer are fulfilled.

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