

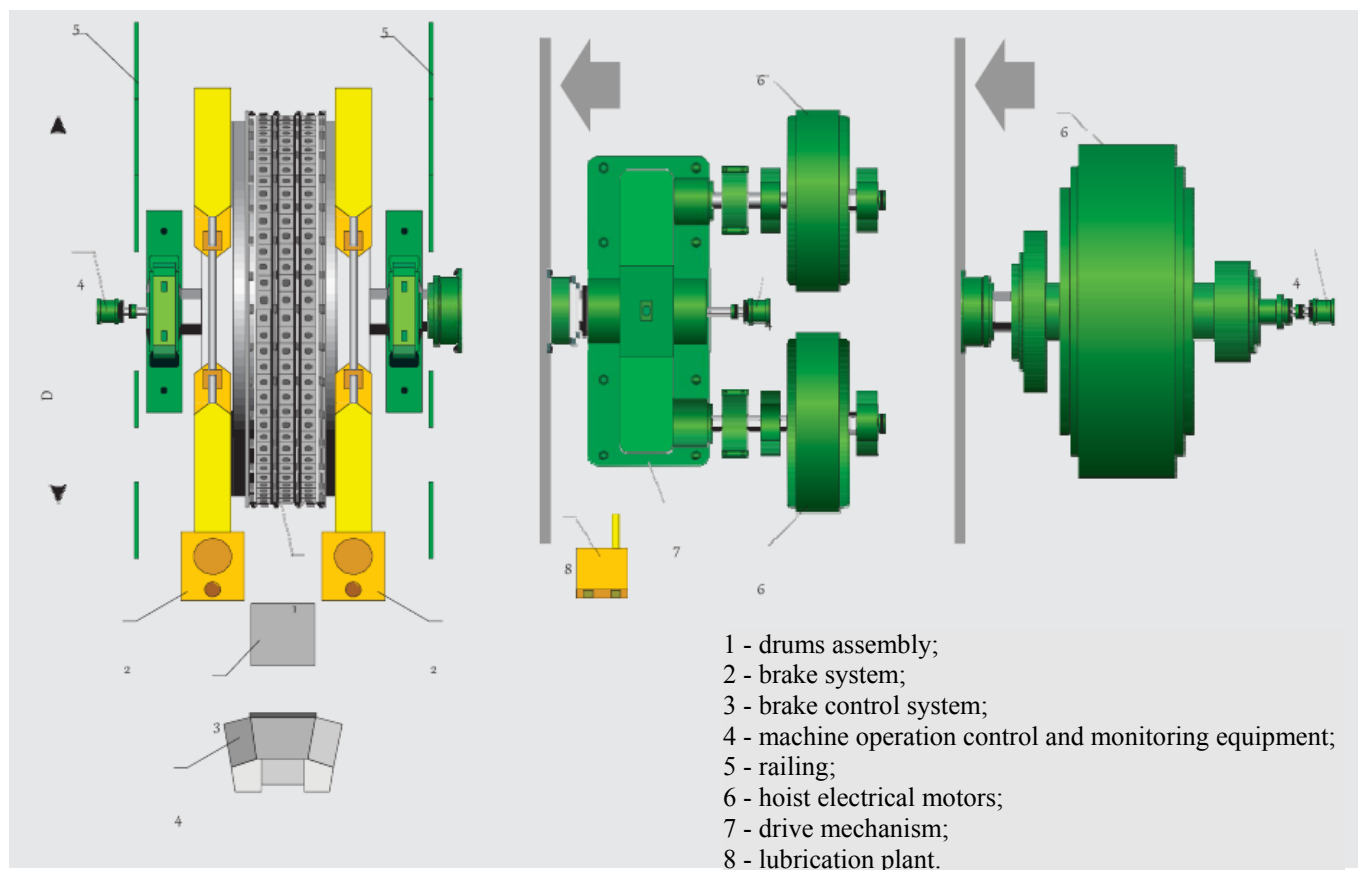
Technical characteristics

Sinking equipment. Multirope mine winders.

Multirope winders may have several (2, 3, 4, 6, 8) hoist ropes and may be installed either on the tower head frame directly over the mine shaft (machines of the МПМБ, ЦШ and МК types) or in the building of the ground-based equipment at a certain distance from the shaft (machines of the МПМН and ЦШН types). Multirope winders are mainly used for large-sized loads hoisting from the large depths levels.

Multirope winders are provided with two types of brakes: the radial-block or disk brakes.

The ЦШТ-7.2 type mine winder with a friction pulley may be made at NKMZ for high-depth mines servicing. This machine is basically designed for the cage hoists application and needs to be provided with the end rope. A friction pulley diameter is 7,2 m. A distinctive feature of this machine is that it has a reel fitted on the main shaft nearby the friction pulley. The reel is intended for the rope coiling during its changing or hanging-over. Maximum 1330 m of the 60-mm dia rope may be coiled (in 9 layers) around the reel. The machine may be provided either with the DC or AC low-speed drive or with the AC reduction gear high-speed drive. The brake actuator is air-operated weight-loaded one. Maximum allowable static rope tensioning is 31 t; maximum hoisting speed is 15.85 m/s.



Sinking equipment. Multirope mine winders.

MULTIROPE MINE WINDERS WITH REDUCTION DRIVES

Technical characteristics

Type of mine winder	D, mm	n of rope layers	P ст, kN no more than	P, kN no more than	V, m/s no more than	Weight, t
МПИМБ-3,25x4	3250	4	500	150	14	90
МПИМН 4x4	4000	4	770	250	14	116
МПИМН-4,2x3	4200	3	540	120	14	164
МПИМН 5x4	5000	4	1200	250	14	198
МПИМН 6,3x2	6300	2	620	100	16	293
МПИМН 6,3x4	6300	4	600	150	16	289

MULTIROPE MINE WINDERS WITH GEARLESS DRIVES

Technical characteristics

Type of mine winder	D, mm	n of rope layers	P ст, kN no more than	P, kN no more than	V, m/s no more than	Weight, t
МПИМБ 4x4	4000	4	800	250	16	75
МПИМБ 4x8	4000	8	2240	520	16	175
МПИМБ 5x4	5000	4	1450	350	16	130
МПИМБ 5x6	5000	6	2150	500	16	165
МПИМБ 5x8	5000	8	2400	500	16	240

Comments:

Machine weight is tentative. Weight will be rectified when making the contracts for manufacturing and supply of the machines.

We are ready to consider manufacturing of machines of any other sizes (at customers' options).