

Technical characteristics

Sinking equipment. Double-drum mine winders

Mine winders with a pair of cylindrical drums (2II type and MIIБ series) are used for single- and double-layer rope winding onto the double-skip and double-cage hoists as well as on counter-weight-fitted single-vessel hoists.

A distinctive feature of the machines of MIIБ series is that the brake is housed inside the drum. This enables the entire outside cylindrical drum surface to be utilized for rope winding (this increasing coiling length of the drum with its size specified and decreasing its overall dimensions with the drum coiling length being preset).

These machines provide load hoisting from several levels with the distance there between being determined by the coiling length of one drum.

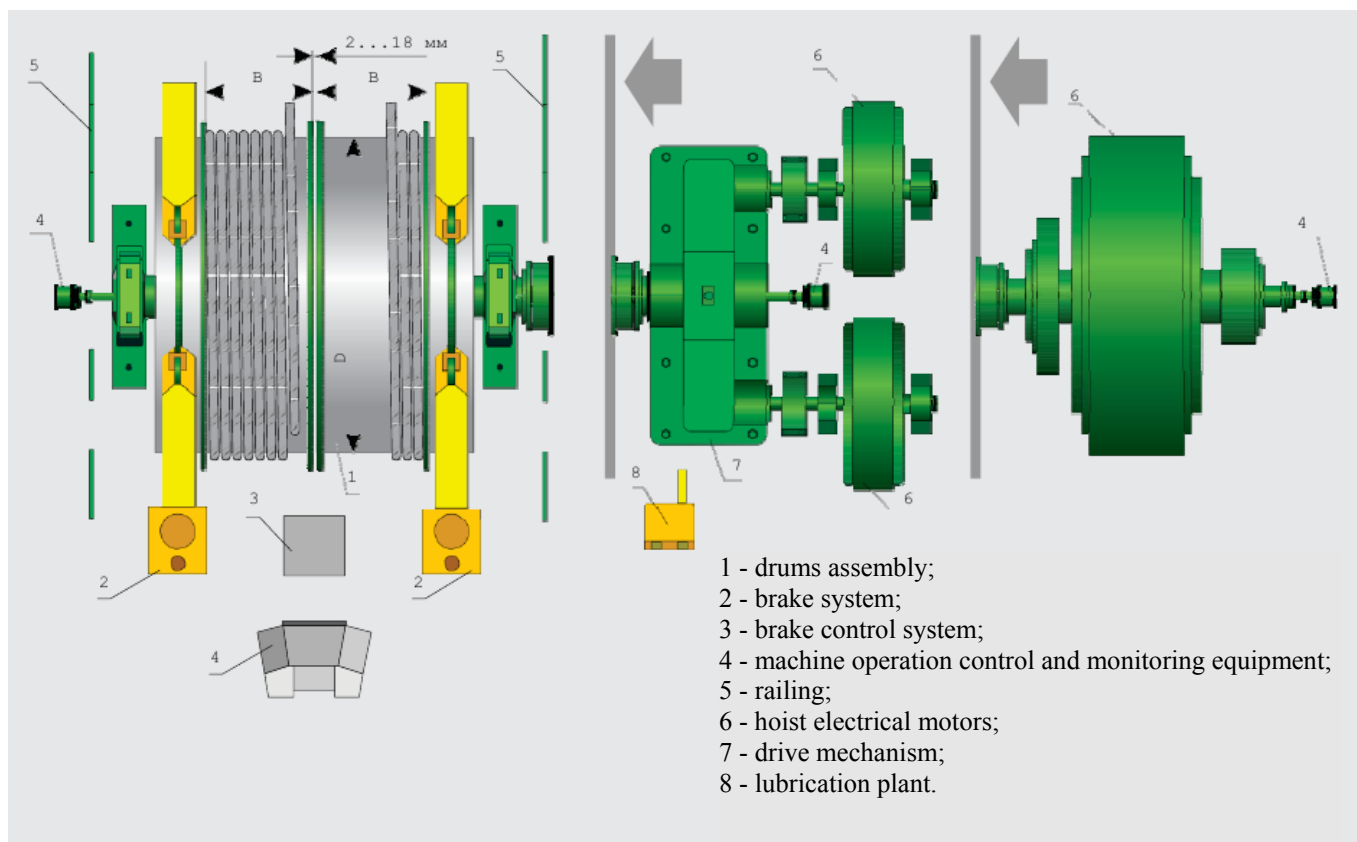
To provide quick rope length setting as they stretch or they are needed to be cut off for testing and to ensure rapid change of the levels, one drum, which is wedged, is bolted to the shaft while another drum, which can be rearranged, is connected to the shaft through the tooth-type spring-loaded air-operated uncoupling device.

A bottom rope secured on the wedged drum and a top rope attached to the rearrangeable drum may be wound within the limits of their own drums.

Machine drives may be arranged both on the right and on the left hand of the machine. However, in both cases the right-hand rope shall be the top one, and the left-hand rope shall be the bottom one.

Mine winders of the 2II type may be provided either with the radial block brakes arranged outside the drum or with the disk brakes.

Mine winders of the MIIБ series may be furnished with the radial-block brakes provided inside the drum.



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DOUBLE-DRUM MINE WINDERS WITH REDUCTION DRIVES

Technical characteristics

Type of mine winder	D, mm	B, mm	n of rope layers	P st, kN no more than	P, kN no more than	V, m/s no more than	Weight, t
2Ц-4x1,8	4000	1800	1	250	160	12	112
2Ц-4x1,8Д	4000	1800	2	250	160	12	118
2Ц-4x2,3	4000	2300	1	250	160	12	116
2Ц-4x2,3Д	4000	2300	2	250	160	12	128
2Ц-5x2,4	5000	2400	1	280	210	14	182
2Ц-5x2,4Д	5000	2400	2	280	210	14	193
2Ц-6x2,4	6000	2400	1	320	240	16	207
2Ц-6x2,4Д	6000	2400	2	320	240	16	222
2Ц-6x2,8	6000	2800	1	360	270	16	216
2Ц-6x2,8Д	6000	2800	2	360	270	16	221
МПБ 5-2-2	5000	2000	1	320	250	14	189
МПБ 5-2,5-2,5	5000	2500	1	320	250	14	191
МПБ 5-2,8-2,8	5000	2800	1	320	250	14	195
МПБ 5-3,15-3,15	5000	3150	1	320	250	14	205
МПБ 6,3-2,8-2,8	6300	2800	1	400	320	16	218
МПБ 6,3-3,15-3,15	6300	3150	1	400	320	16	226
МПБ 5-2-2Д	5000	2000	2	320	250	14	189
МПБ 5-2,5-2,5Д	5000	2500	2	320	250	14	191
МПБ 5-3,15-3,15Д	5000	3150	2	320	250	14	205
МПБ 6,3-2,8-2,8Д	6300	2800	2	400	320	16	226

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).

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Double-drum mine winders.**

DOUBLE-DRUM MINE WINDERS WITH GEARLESS DRIVES

Technical characteristics

Type of mine winder	D, mm	B, mm	n of rope layers	P st, kN no more than	P, kN no more than	V, m/s no more than	Weight, t
2Ц-5x2,4	5000	2400	1	280	210	14	118
2Ц-5x2,4Д	5000	2400	2	280	210	14	130
2Ц-5x2,8	5000	2800	1	560	400	14	223
2Ц-6x2,4	6000	2400	1	320	240	16	144
2Ц-6x2,4Д	6000	2400	2	320	240	16	158
2Ц-6x2,8	6000	2800	1	360	270	16	152
2Ц-6x2,8Д	6000	2800	2	360	270	16	157
2Ц-6x2,8У	6000	2800	1	560	400	16	240
МПБ 6,3-2,8-2,8	6300	2800	1	400	320	16	143
МПБ 6,3-3,15-3,15	6300	3150	1	400	320	16	158
МПБ 6,3-3,15-3,15Д	6300	3150	2	400	320	16	164

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).