

Mining and Processing Equipment Dry Grinding Mills

Mills are intended for dry grinding of cement, building materials and other raw materials, as well as coals of various grades in dust preparation systems at thermal power plants.

In coal mills, a new design of armor lining, which has no analogues in world practice, as well as grinding bodies in the form of tetrahedra of constant width, which reduced the specific metal consumption of the mills, are used.

DRY GRINDING MILLS

Specification

Parameter	MIIIC-1500x4600	MIIIC-3200x4500	MIIIC-1500x5600
Shell volume, m ³	9,2	36,4	9,9
Inner shell diameter, mm	1500	3200	1500
Shell length, mm	4600	4520	5600
Capacity, t/hr	4...8	9...15	7...10
Shell rotational frequency, rpm	26,25	18,4	28,98
Weight of grinding bodies, t	13,6	65	15
Designed motor power, kW	132	900	132
Rotational frequency, rpm	600	167	750
Voltage, V	220/380	6000	220/380
Weight of mill without motor, lubrication, spares, mechanization means, t	40,6	121,7	31,8

**Mining and Processing Equipment
Dry Grinding Mills**

CEMENT MILLS

Specification

Parameter	МЦ 3200x9000	МЦ 4000x13000	МЦ 3200x12000
Shell volume, m ³	72,4	96,5	163
Inner shell diameter, mm	3200	3200	4000
Shell length, mm	9000	12000	13000
Capacity, t/hr	27...30	30...55	60...90
Shell rotational frequency, rpm	18,5	18,5	16,2
Weight of grinding bodies, t	103	140	185
Designed motor power, kW	2000	3150	3150
Rotational frequency, rpm	100	150	150
Voltage, V	6000		
Weight of mill without motor, lubrication, spares, mechanization means, t	180	210	290

Mining and Processing Equipment
Dry Grinding Mills

COAL GRINDING MILLS

Specification

Parameter	ШБМ 287/470 (Ш-16)	ШБМ 375/550 (Ш-32)	ШБМ 370/850 (Ш-50А)	Ш-60	МБ 56/29
Shell volume, m ³	30,4	60,7	91,3	118,8	71,4
Inner shell diameter, mm	2870	3750	3700	4100	5600
Shell length, mm	4700	5500	8500	9000	2900
Capacity, t/hr	16	32	50	60	75
Shell rotational frequency, rpm	18,81	18,3	17,62	15,7	13,73
Weight of grinding bodies, t	35	70	100	63	140
Designed motor power, kW	500	2x500	2000/ 1600	2000	2460
Rotational frequency, rpm	750		100	150	100
Voltage, V	6000				
Weight of mill without motor, lubrication, spares, mechanization means, t	64,3	110,1	188,9	264,5	257,9