

ROSTA Motorbases

Self-tensioning Motor Mounts for all friction Belt Drives





With the ROSTA Motorbase = 7 (benefits) at one blow!

The ROSTA Motorbases are offering seven attested benefits valid for all friction belt transmissions:

- 1 automatic compensation of belt elongation
- 2 slip-free transmission of torque
- 3 smooth start-up of big inertias (e.g. flywheels on crushers and presses)
- 4 multiplefold service lives of belt sets
- 5 overload security by backlashes of Diesel engines
- 6 much longer service intervals
- 7 faster belt changing (without re-adjustment of pulley alignments)







Installation of a 1750 kg heavy 250 kW motor on the Motorbase MB 100 and tensioning process of the eight SPC V-belts by the integrated bevel-gear shaft drive



250 kW motor on motorbase MB 100 for a belt drive on a vacuum pump



Selection Table for ROSTA Motorbases

MOTOR FRAME SIZE	3000 1/min P [kW]	1500 1/min P [kW]	1000 1/min P [kW]	MOTORBASE TYPE	GENERAL DESIGN	
90S 90L	1.5 2.2	1.1 1.5	0.75 1.1	MB 27 x 120	MB 27 	
100L	3.0	2.2/3.0	1.5			
112M	4.0	4.0	2.2			
132S 132M	5.5/7.5 –	5.5 7.5	3.0 4.0/5.5			MB 38 x 300
160M 160L	11/15 18.5	11.0 15.0	7.5 11.0			
160M 160L	11/15 18.5	11.0 15.0	7.5 11.0			
180M 180L	22.0 –	18.5 22.0	– 15.0			
200L	30/37	30	18.5/22	MB 50 x 400	MB 50 	
225S 225M	– 45	37 45	– 30	MB 50 x 500		
250M	55	55	37	MB 70 x 400		
280S 280M	75 90	75 90	45 55	MB 70 x 550		
315S	110	110	75	MB 70 x 650	MB 70 	
315M 315L	132–160 160–200	132–160 160–200	90/110 110–160	MB 70 x 800		
315M 315L	132–160 160–200	132–160 160–200	90/110 110–160	MB 100 x 750		MB 100 
355S 355M 355L	200–250 250 250	200–250 250 250	132–160 200–250 200–250			



Typical Applications of ROSTA Motorbases



MB 50 drive mounts for a circular-action screen



MB 70 drive mount for a jaw-crusher



MB 50 drive mount for a linear-action screen



MB 70 drive mounts on a pellet press

MB 100 drive mount for a drum chipper



MB 38 special for a centrifugal pump «Warman»

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