



## ROSTA Motorbase

## Type MB 100

The self-adjusting universal motorbase for friction belt drives with drive power in the 90 kW to 250 kW range (motor frame sizes 315 M to 355 L or NEMA frame sizes 449 T and 586/7 = 200–350 HP).

This heavy-duty motorbase is supplied fully assembled and ready for use. The two-part motor plate includes as a standard feature the mounting holes for all the motor frame sizes listed above.

The belt tension can be set accurately by means of a mechanical pre-tensioning unit. The bevel gear lifting spindle has a maximum tensioning travel of 120 mm and, depending on the desired angle of motor, inclination can be secured to two different positioning holes on the ROSTA rubber suspension element.

**The pre-tensioning screw on the lifting spindle, width 24 mm, must not be actuated with a pneumatic screwdriver – use a ratchet screwdriver!**



## For heavy duty belt drives with motor capacity as from 90 to 250 kW



### Customer benefit:

The rotation-elastic ROSTA motorbase type MB 100, with its slippage-compensating operating mode, provides an ideal maintenance-free suspension for the drive motors used for big friction belt drives, e. g. on cyclone pumps, stone crushers, wood chip cutting machines, presses, punches, heat exchangers, centrifuges and stone saws. The flexibly mounted and pre-tensioned drive motor automatically compensates the belt elongation which occurs continuously and effectively eliminates torque peaks so achieving a vast improvement on the service life of the belt sets.

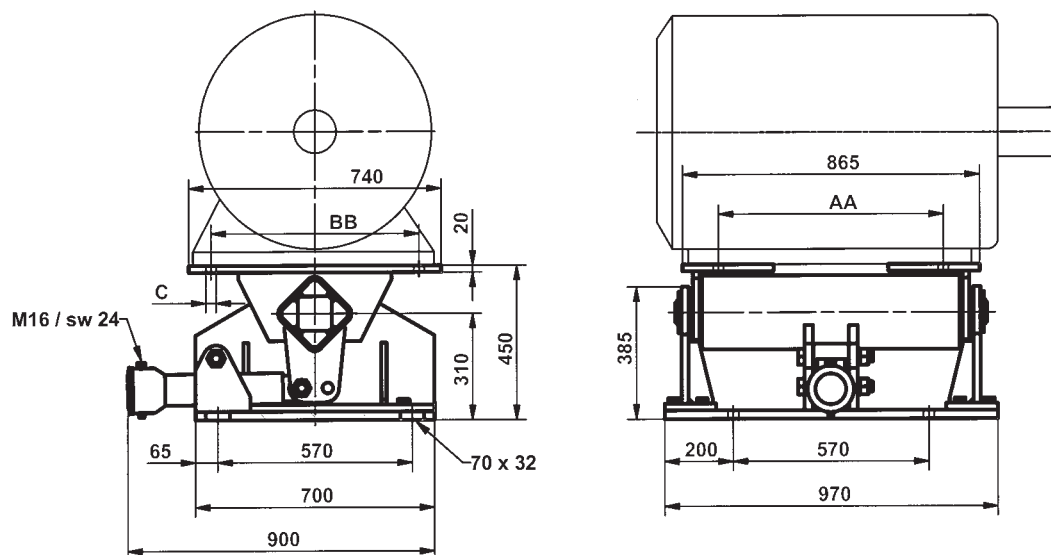
ROSTA motorbase type MB 100 with 220 kW drive motor for a **Warman** centrifugal pump.

Photo: BHP Billiton-Mining, Australia



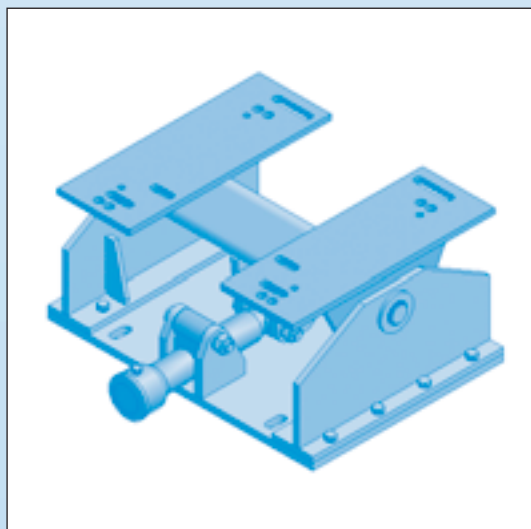
## Elastic motorbase for belt drives

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Art.-No.	Type	Motor Frame size	1000 min <sup>-1</sup> kW	1500 min <sup>-1</sup> kW	3000 min <sup>-1</sup> kW	AA	BB	C	Weight in kg
02 200 900	MB 100x750	D 315M	90	132	132	457	508	Ø 28	490
		D 315L	110 – 160	160 – 200	160 – 200	508	508	Ø 28	
		D 355S	132 – 160	200 – 250	200	500	610	Ø 28	
		D 355M	200 – 250	–	250	560	610	Ø 28	
		D 355L	160 – 250	250	250	630	610	Ø 28	

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### The self-tensioning ROSTA motorbases

- without slippage
- overload proof
- belt protecting
- vibration dampening
- maintenance-free
- cost efficient

for all friction-belt transmissions.

## ROSTA AG

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## For heavy duty belt drives with motor capacity as from 200 to 350 HP



ROSTA motorbase type MB 100 with 220 kW drive motor for a **Warman** centrifugal pump.

Photo: BHP Billiton-Mining, Australia

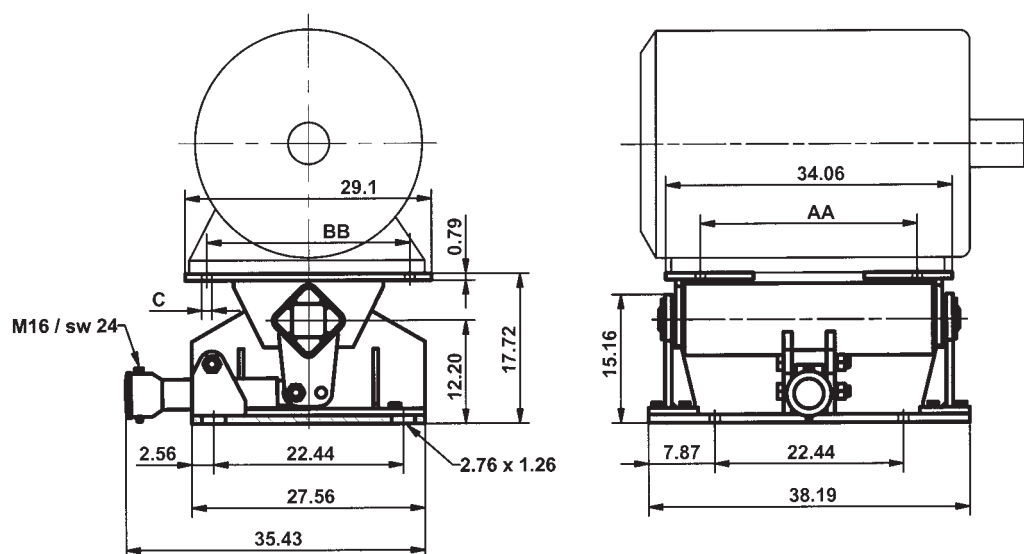
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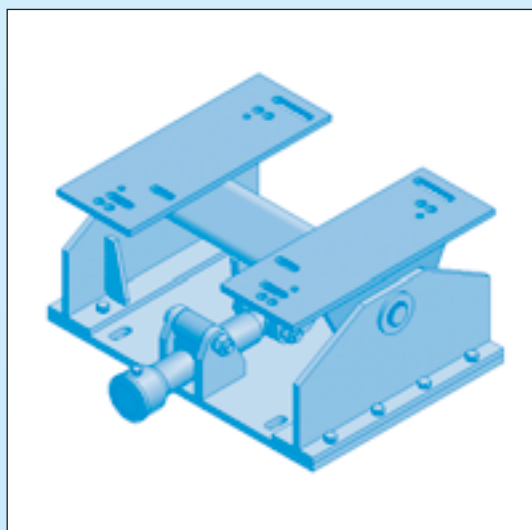
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UPC #	Type	NEMA Motor	1200 RPM HP	1800 RPM HP	AA	BB	C	Weight in lbs
	MB 100x750	449T	200-300	250-300	25	18	0.83	1080
		586/7	250-300	300-350	22/25	23	1.18	

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