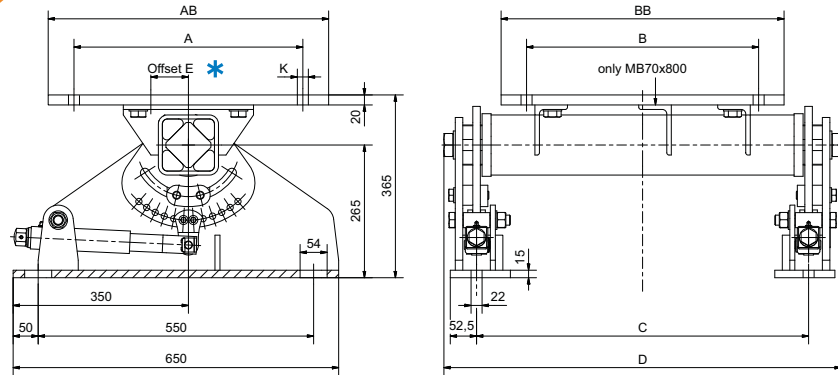


## Motorbases Type MB 70



Art. No.	Type	IEC				NEMA									Weight [kg]
		Motor Frame Size	A	B	K	Motor Frame Size	A	B	K						
02 200 710	<b>MB 70×400</b>	250M	406	349	22	404T	406	311	22	510	410	513	643	50	142
02 200 711	<b>MB 70×550</b>	280S	457	368	22	405T	406	349	22	560	565	663	793	50	169
		280M	457	419	22	444T	457	368	22						
02 200 712	<b>MB 70×650</b>	315S	508	406	26	445T	457	419	22	630	660	763	893	70	191
02 200 713	<b>MB 70×800</b>	315M	508	457	28	447T	457	508	22	630	805	913	1043	70	216
		315L	508	508	28	449T	457	635	22						

Details regarding special designs, see pages 5.14–5.15.

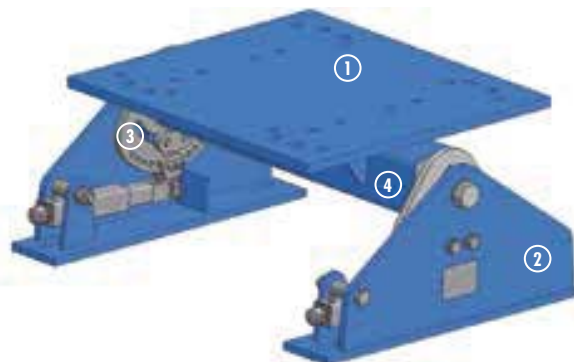
Design **ATEX** with specific Art. No., example MB70×400: 02**3**00710. Details ATEX on page 5.4.

We will be glad to calculate your specific system, please ask for our relevant questionnaire.

\* All ROSTA Motorbases MB 70 will be supplied with motor plate installed in **“centered”** configuration on top of the element axis. According to the final positioning of the base, the operating angle of the belts and the required tensioning travel, the motor plate can be altered in **“off-set”** position. Relevant threaded fixation holes are existent in plate.

For possibly required additional tensioning travel of the motor plate, the fork head of the pretensioning device can be set in one of the eleven hole positions of the friction plate (3).

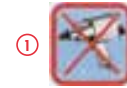
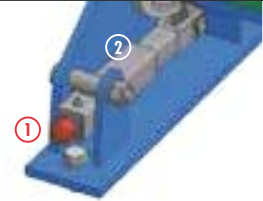
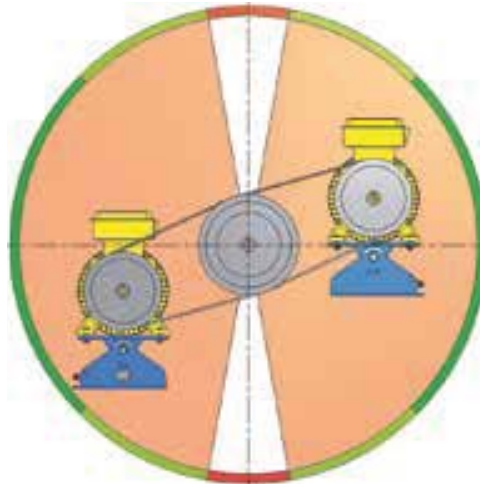
- 1 Motor plate
- 2 Side supports
- 3 Pretensioning devices = 2 devices
- 4 Rubber suspension element with cardanic bushings



# Mounting instructions for MB 70

## 1 Determine of the ideal motorbase position

- ideal position of the MB, longest tensioning travel
- sufficient tensioning travel
- contact **ROSTA**



Do not use compressed-air power tools for tensioning!



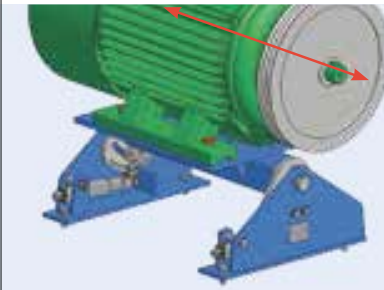
## 2 Support fixations

4 slotted holes 22×54 mm



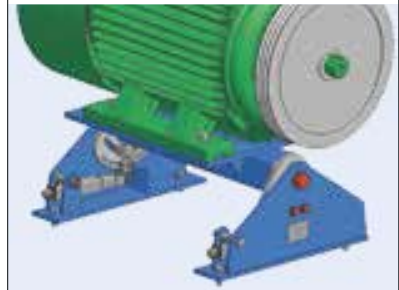
## 3 Alignment of pulleys and motor fixation

4 bolts according to relevant motor size



## 4 Loosen of the center bolts (element axis) and of the bolts on friction plates

46 mm wrench (M30) and  
24 mm wrench (M16)

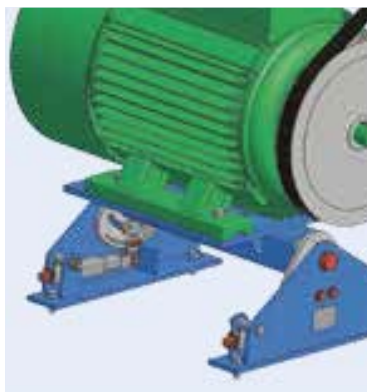


## 5 Insert and tension the belts, control belt test force

Tensioning of the belts according to belt suppliers recommended test force (table on page 5.5). Adjust uniformly the 2 pretensioning devices with a 30 mm wrench (M20). Its operation area is limited by the vertical plates on the supports.

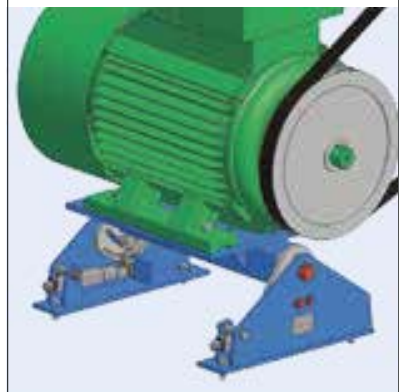
### The adjustment yokes must be relocated before they hit the end stops

- 5.1 Tighten center bolts M30 and friction plate bolts M16
- 5.2 Release pretensioning device on one side and remove hex socket bolts M12
- 5.3 Move pretensioning device to line up with desired holes on friction plate
- 5.4 Reinstall hex socket bolts M12 and tighten (86 Nm)
- 5.5 Extend the pretensioning device to remove slack
- 5.6 Go to step 5.2 to 5.5 and proceed with the opposite pretensioning device
- 5.7 After both tensioners are relocated, continue with step 4 to 6



## 6 Tighten of the center and fixing bolts (friction plates), start of operation

46 mm wrench (M30),  
locking torque 1400 Nm and  
24 mm wrench (M16),  
locking torque 210 Nm.



## Retension:

Generally retensioning is not necessary, however, we recommend to inspect the belt tension after a few days of operation.