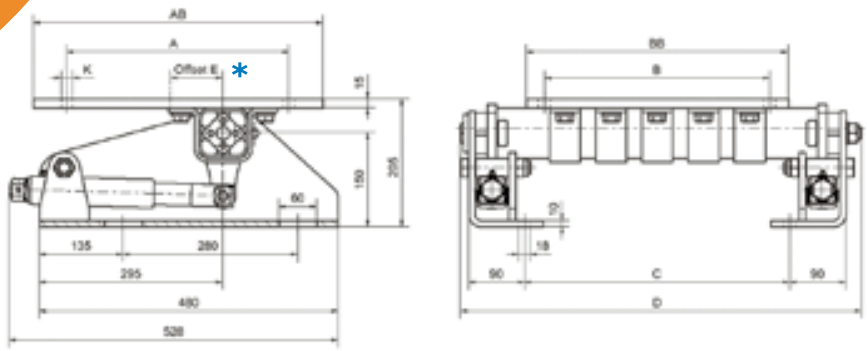
Motorbases
Type MB 50



	Art. No.	Type	IEC				NEMA									Weight (kg)
			Motor Frame Size	A	B	K	Motor Frame Size	A	B	K	AB	BB	C	D	E	
new	02 200 526	**MB 50×270-1**	160M 160L	254 254	210 254	14 14	254T 256T	254 254	210 254	14 14	320	315	245	463	25	44
new	02 200 527	**MB 50×270-2**	180M 180L	279 279	241 279	14 14	284T 286T	279 279	241 279	14 14	350	335	245	463	72	46
new	02 200 528	**MB 50×400**	200L	318	305	18	324T 326T	318 318	267 305	18 18	405	390	345	563	55	58
new	02 200 529	**MB 50×500**	225S 225M	356 356	286 311	18 18	364T 365T	356 356	286 311	18 18	465	420	425	643	72	64

Details regarding special designs, see pages 5.14–5.15.
Design **ATEX** with specific Art. No., example MB50×270-1: 02**3**00526. Details ATEX on page 5.4.

* All ROSTA Motorbases MB 50 will be supplied with motor plate installed in **"off-set"** configuration. 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 **"centered"** position on top of the element axis. Relevant threaded fixation holes are existent in plate.

For possibly required higher inclination of the motorplate, the rotary plate(s) can be removed and remounted 45° rotated.

1 Motor plate galvanized
2 Side supports galvanized
3 Pretensioning device galvanized
(MB 50×270-1 and MB 50×270-2: 1 device /
MB 50×400 and MB 50×500: 2 devices)
4 Rubber suspension element with cardanic bushings and brackets blue painted (depending on size = 3–5 brackets)
5 Centre bolt retaining collar. If required, the main centre bolt and retaining collar can be switched to the opposite side. First block the underside of the rubber suspension element (4). Remove the centre bolt and retaining collar. Re-install the centre bolt and retaining collar from the opposite side. Remove the blocking. The motorbase is now ready to install.

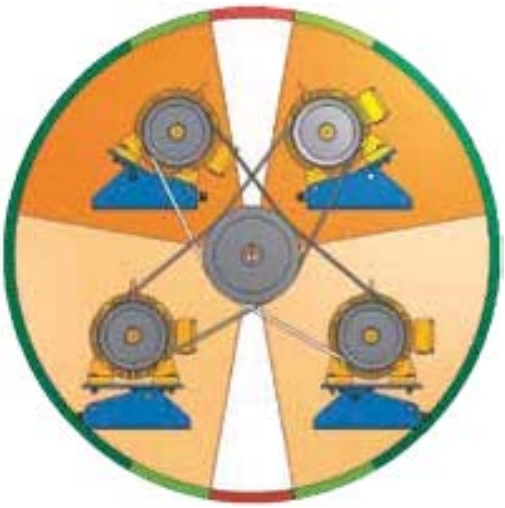
Mounting instructions for MB 50

1 Determine of the ideal motorbase position

Operation area "above"
Motor plate standing ~ 30° inclined

Operation area "below"
Motor plate standing ~ horizontal

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



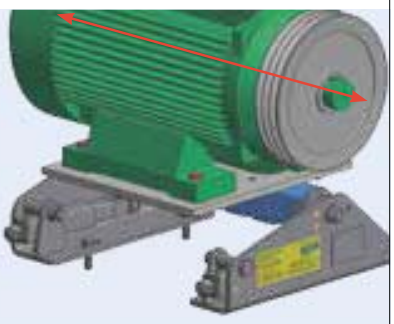
1 Do not use compressed-air power tools for tensioning!

2 Support fixations

4 slotted holes 18 × 60 mm

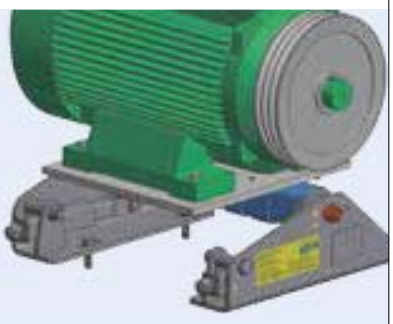
3 Alignment of pulleys and motor fixation

4 bolts according to relevant motor size



4 Loosen of the shaft bolt (element axis)

30 mm wrench (M20)



5 Insert and tension the belts, control belt test force

Tensioning of the belts according to belt suppliers recommended test force. Adjust tension with a 30 mm wrench (M20), uniformly if 2 pretensioning devices are supplied. The belt tension can easily be monitored according to the reference mark on the angle scale.

Operation area "below"

Operation area "above"

6 Tighten of the shaft bolt, start of operation

30 mm wrench (M20)
Locking torque 410 Nm

Retension:
Generally retensioning is not necessary, however, we recommend to inspect the belt tension after a few days of operation according to the sticker on the side supports.

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