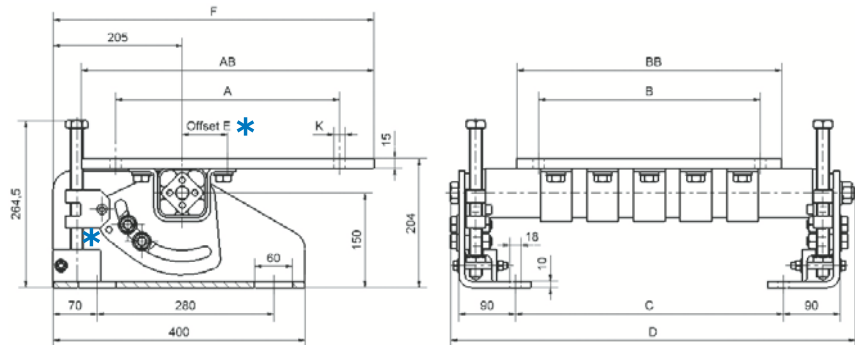




Motorbase Type MB 50



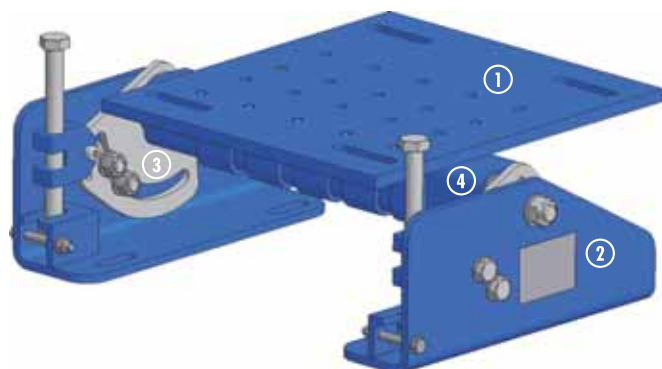
Art. No.	Type	Motor Frame Size	P [kW] 3000 min ⁻¹	P [kW] 1500 min ⁻¹	P [kW] 1000 min ⁻¹	A	AB	B	BB	C	D	E	F	K	Weight [kg]
02 200 506	MB 50×270-1	160M	11 / 15	11	7.5	254	320	210	315	245	463	72	437	14	40
		160L	18.5	15	11	254	320	254	315	245	463	72	437	14	
02 200 507	MB 50×270-2	180M	22	18.5	–	279	350	241	350	245	463	72	452	14	43
		180L	–	22	15	279	350	279	350	245	463	72	452	14	
02 200 508	MB 50×400	200L	30–37	30	18.5 / 22	318	405	305	390	345	563	55	463	18	53
02 200 509	MB 50×500	225S	–	37	–	356	465	286	420	425	643	72	510	18	60
		225M	45	45	30	356	465	311	420	425	643	72	510	18	

Details regarding special designs, see pages 106/107.

* 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 (recommendable by screen drive applications). Relevant threaded fixation holes are existent in plate.

For possibly required additional tensioning travel of the motor plate, the adjusting block of the pretensioning device can be set in the second hole-position of the friction plate (3).

- 1 Motor plate
- 2 Side supports
- 3 Pretensioning device
(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 axial-guide bearings
and clamps (depending on size = 2–5 clamps)



Mounting instructions for MB 50

1 Ascertainment of the ideal motorbase position

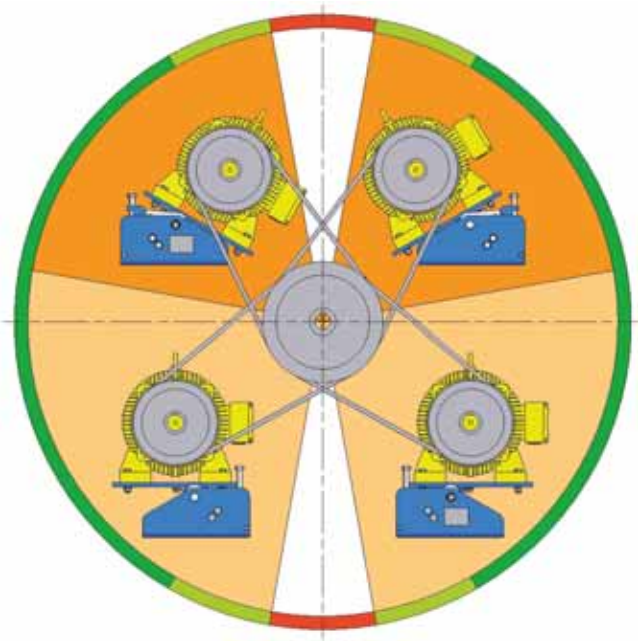
Operation area "above"

Motor plate standing ~ 30° inclined

Operation area "below"

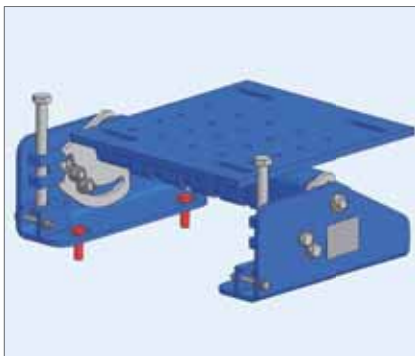
Motor plate standing ~ horizontal

- longest tensioning travel, ideal position of the MB
- sufficient travel of the MB
- in this position, insufficient travel is given (contact **ROSTA**)



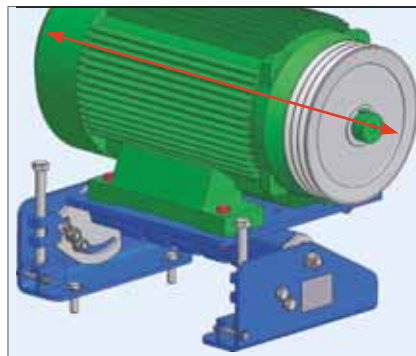
2 Support fixations

4 oblong holes 18×60 mm



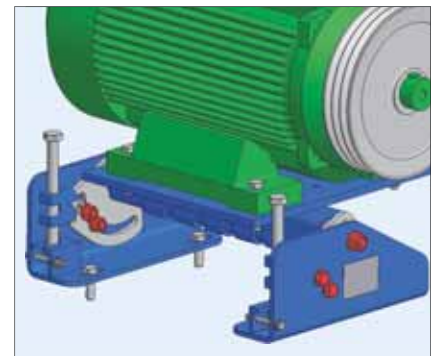
3 Alignment of pulleys and motor fixation

4 screws according relevant motor size



4 Loosen of the shaft screw (element axis) and of the screws on friction plate(s)

M20 and M16



5 Insert and tension the belts, control belt test force

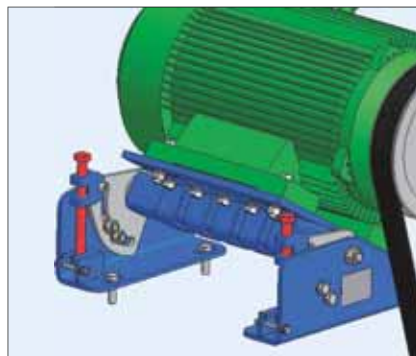
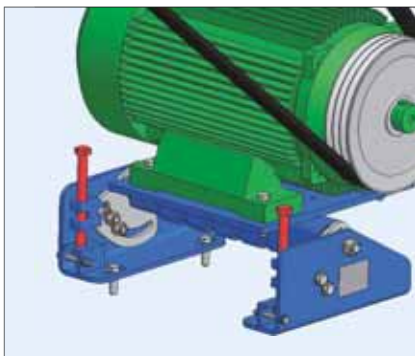
Tensioning of the belts according to belt suppliers recommended test force (table on page 97).

Operation area "below":

adjust with M20×1.5 screw
(for tightening = screw block upwards)

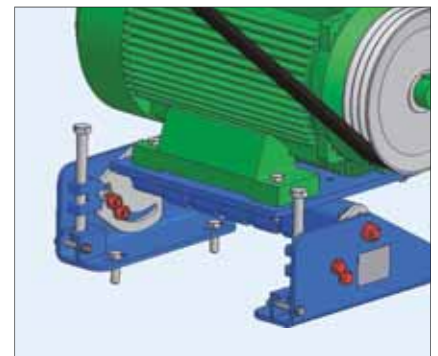
Operation area "above":

adjust with M20×1.5 screw
(for tightening = screw block downwards)



6 Tighten of the shaft and fixing screws on friction plate(s), start of operation

M20 (locking torque 410 Nm),
M16 (locking torque 210 Nm)



Retention:

Generally retensioning is not necessary, however, we recommend to control the belt tension after a few days of operation (after "running-in" of the belts).