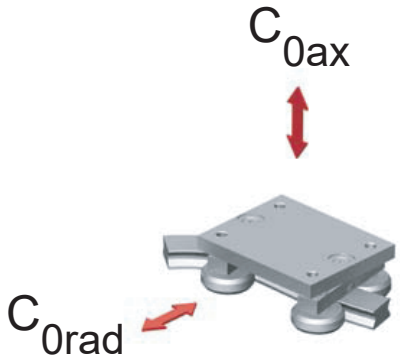
Load Capacities



Slider type	C_{0ax}	C_{0rad}
	N	
CCT08	400	570
CCT11	1130	1615

Resulting moment loads must be absorbed through the use of two sliders.

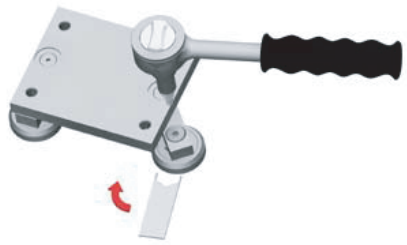
Anticorrosive Protection

The Curvi Line product family comes standard with electrolytic zinc-plating with passivation for anticorrosive protection. If increased anticorrosive protection is required, application-specific surface treatments are available on request, e.g. as nickel-plated design with FDA approval for use in the food industry. The Curvi Line series is also available in stainless steel. For more information, please contact us.

Remarks

- With a simple adjustment of the eccentric roller (markings on bottom of roller), the slider can be set with no clearance or with desired preload.
- The recommended hole pitch is 80 mm on the extended length.
- Please indicate the precise rail shape and the desired hole pattern in a drawing.
- Indicate if the design is a right or left version when ordering.
- Composite rails are not recommended. For more information, please contact us.
- Resulting moment loads must be absorbed through the use of two sliders. For more information, please contact us.

Setting the Preload



Type	Tightening torque (Nm)
CCT08	7
CCT11	12

If the curvilinear rails are delivered as a system, the sliders are already set with no clearance. In this case the fixing screws are secured with Loctite® at the factory. If delivered separately, or if the sliders should be installed in another track, the eccentric roller pins must be readjusted.

Important! The fixing screws must be additionally glued against loosening. The following points must also be observed:

- Wipe the raceways of any eventual dirt and debris.
- Slightly loosen the fixing screws of the roller mounting. The eccentric roller pins are marked on the bottom.
- Position the slider(s) at the ends of the rail.
- The special flat key provided is inserted from the side onto the hexagonal of the pin to be set.
- By turning the flat key clockwise the roller is pressed against the raceway and thus reduces the clearance. Observe that with increasing preload, the friction is also increased and thus the service life reduced.
- Hold the roller pin with the adjustment key in the desired position and carefully tighten the fixing screw. The exact tightening torque will be checked later.
- Move the slider on the rail and check the preload over the entire length of the rail. It should move easily and the slider should not have play at any location of the rail.
- Now tighten the fixing screws with the specified tightening torque, while the flat key holds the angle adjustment of the pin. A special thread in the roller pin secures the set position.

Lubrication

All rollers of the Curvi Line product family are lubricated for life. The guides must be lubricated before being put into operation. Recommended lubrication intervals are heavily dependent upon the ambient conditions, speed and temperature. Under normal conditions, lubrication is recommended after 100 km operational performance or after an operating period of six months. In critical application cases the interval should be shorter. Please clean the raceways carefully before lubrication. We recommend a roller bearing lubricant with a lithium base of average consistency as a lubricant.

Proper lubrication during normal conditions:

- Reduces friction
- Reduces wear
- Reduces the load of the contact surfaces through elastic deformations
- Increases quiet running

Different lubricants for special applications are available upon request. Example: Lubricant with FDA approval for use in the food industry. For more information, please contact us.