

3.1

3.2

3.3

3.4

3.5

3.6

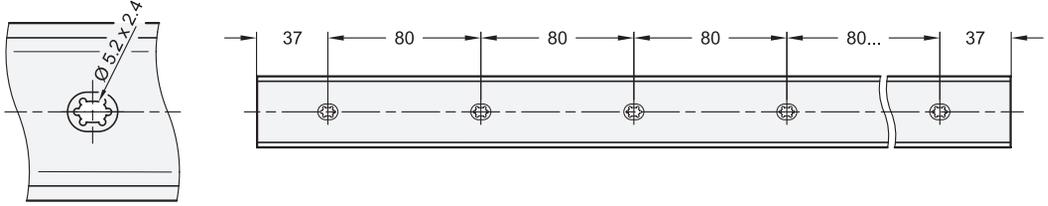
3.7

3.8

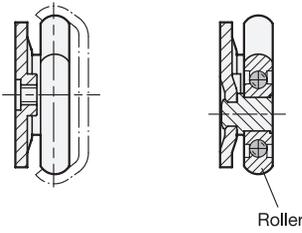
3.9

3.10

Rail

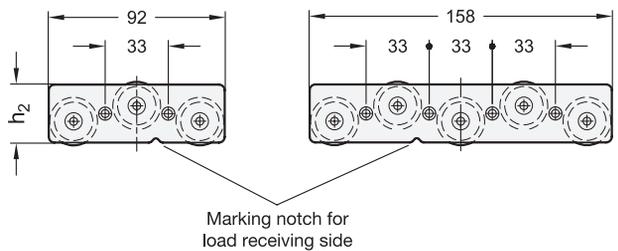


Cam roller carriage

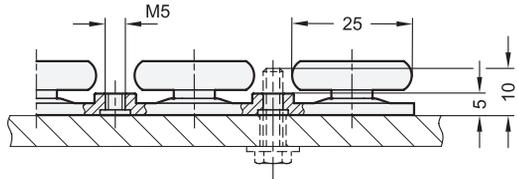
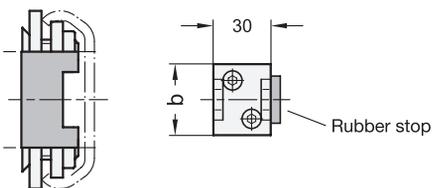


Type A3 / B3

Type A5 / B5



End stop



Mounting holes, fastening screws

During assembly, all mounting slots in the guide rail and the fastening thread on the cam roller carriage must be used. This ensures that the forces resulting from the maximum load F_L / F_A are reliably transferred to the surrounding structure. Failure to use fastening screws reduces the load capacity accordingly. Other production-related holes in the guide rails are not shown.

Various screws with M5 threads can be used for mounting the cam roller carriages. In contrast, the guide rail must be mounted with the screws listed in the table. It is generally recommended to use screws of strength class 8.8 in accordance with the specified tightening torque. The maximum torque for the accompanying countersunk screws of the end stops is 4-5 Nm, which results in the highest retaining force without deforming the guide rails. The pre-installed rubber stops are automatically clamped by the countersunk screws and dampen the stops of the roller carriages at the respective end points.

Designation - standard		Inner slide
Hexagon socket countersunk head screw	DIN 7991	M 4 / M 5
Countersunk screw, Phillips	DIN 965	M 4 / M 5
Countersunk screw, Phillips	DIN 7997	Size 4,5 / 5

Lubrication and maintenance

The running surfaces of the guide rails must be lubricated with roller bearing grease before the first use. Possible lubricating greases include Cassida Grease GTX 2, Shell Gadus S2 V220 and Alvania EP 1 or Klüberplex BE 31-222. In food or pharmaceutical applications, FDA-compliant lubricating greases of class H1 or higher must be used as necessary. The grease should be distributed evenly over the entire length of the rail using a paintbrush.

After 50,000 cycles, the rails should be cleaned with a clean cloth and relubricated. If there is risk of soiling, the maintenance intervals should be shortened. In principle, however, soiling should be prevented with measures such as suitable covers or optimal positioning of the linear guide rail systems.