

Linear guide rail systems

Technical information, load rating



Traversal speed

Depending on application and installation length, the maximum traversal speed of cam roller linear guide rail systems is 7 m/s.

Lubrication

Once the cam roller carriage has been placed in the rail, it is recommended to slightly grease the raceway surfaces of the rail with a heavy duty lubricant for linear guide rail systems, such as Klüberplex BE 31-222, using a brush.

Check the lubricant film at regular intervals for any dirt or pollution, e.g. with metal chips.

In the event of visible pollution or clear discoloration of the lubricant, use a clean rag to clean the rails and the rollers and apply new lubricant.

Applying new lubricant is normally necessary once a year or after 100 km of running distance.

Operational temperatures

The components of the roller guide systems are suitable for use in a temperature range of -30 °C to 130 °C.

Load rating

The installation space, the desired mode of attachment and the load to be carried are the determining factors when selecting the best possible roller guide system. The values given below will help in selecting the most suitable cam roller carriage or the most suitable cam rollers.

The details on load capacity are non-binding guide values given without liability and does not constitute any type of guarantee or warranty of intended use. The user must determine in each individual case whether a product is suitable for the intended application. Environmental factors and aging may affect the stated values.

Article No.	Load ratings in main load direction			Permissible load torques		
		$C_{O_{rad}}$ in N	$C_{O_{ax}}$ in N	M_x in Nm	M_y in Nm	M_z in Nm
GN 2424	-18-...	825	260	1,6	8,3	4,8
	-28-...	2210	650	6,4	28	16,4
	-35-...	3550	1070	13,2	63	34,1
	-43-...	5520	1580	23,7	104,7	60,1
GN 2426	-18-...	410	-	-	-	-
	-28-...	1100	-	-	-	-
	-35-...	1760	-	-	-	-
	-43-...	2700	-	-	-	-

