

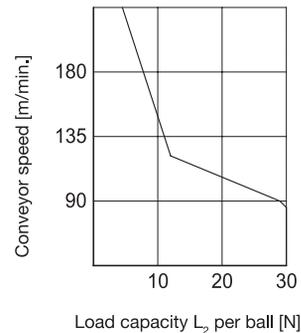
## Load capacity of individual components

Roller track with:	Load $L_1$ per track Carrier rail profile making continuous contact	Load capacity $L_2$ per individual roller / ball
Roller track <b>GN 646.1-270-15-PA</b>	13330 N/m	200 N
Roller track <b>GN 646.1-270-27-PA</b>	13330 N/m	360 N
Roller track <b>GN 646.1-270-15-TPU</b>	1333 N/m	20 N
Roller track <b>GN 646.1-270-27-TPU</b>	5550 N/m	150 N
Ball track <b>GN 646.2-270-POM</b>	850 N/m	30 N

Within the loads given in the foregoing table, the permanent deformation or deflection of the roller / ball track is prevented, so the safe and proper function is guaranteed.

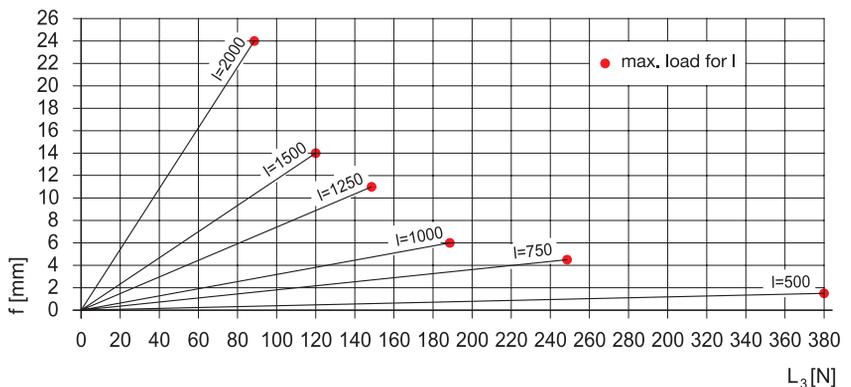
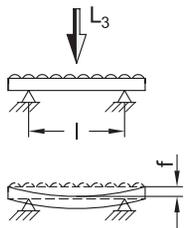
## Conveyor speed

For ball tracks GN 646.2, conveyor speed must also be taken into account. If the speed is exceeded, the load capacity  $L_2$  / per ball may be compromised.



## Load and deflection

If carrier rail profiles GN 646.3 (→ page 2011) rest on two points only, deformation (deflection) under load  $L_3$  must be taken into account.



The diagram shows the different values for which neither a permanent deformation of the carrier profiles nor an impairment of the proper function of the roller track may be expected.