



As an alternative to our standard 3 and 5-roller sliders, rollers for use with LAN and LUN rails can also be mounted on custom sliders or directly on the mobile element. In such cases, the number, arrangement and types of roller need to be chosen to match the requirements of the application. See page 13 for assembly and adjustment instructions.

All our rollers are made from core tempered and precision ground bearing grade carbon steel. Rollers are of the single row ball-bearing type, with the balls held in place by a metal cage. Precision ground surfaces ensure a smooth, silent rolling action.

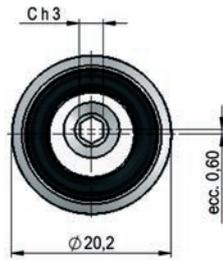
Rollers are also fitted with 2Z rated metal shields to protect the ball bearings raceway and ensure good resistance to high temperatures. The ball bearing is lubricated for life with a wide temperature ranging lithium soap grease.

The mounting axle is made in one piece with the inner bearing, for maximum strength. Rollers come in two types: eccentric and concentric.

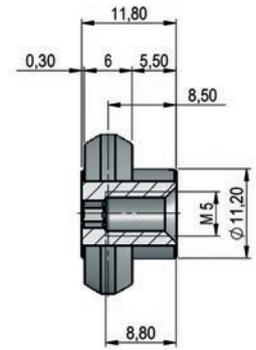
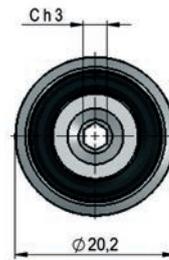
PEN and PCN series rollers for size 26 and 40 rails have a hexagonal recess for an Allen key in the side opposite the threaded fixing hole. This serves to hold the axle steady while the fixing screw is being tightened with a second Allen key. On eccentric rollers, it also serves to adjust roller position, so as to reach the desired preload setting.

PEV and PCV rollers for size 30 rails have a special central square pivot accessible with a flat key, inserted between slider body and eccentric rollers. The flat key is supplied by TRACE. See page 12 for further instructions about Slider preload setting.

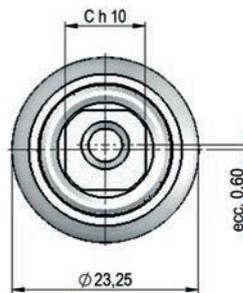
**PEN26**



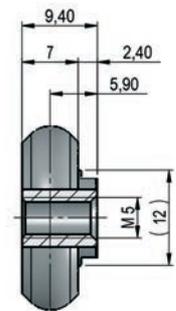
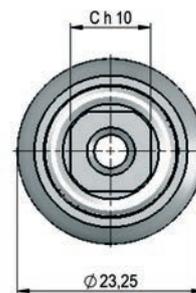
**PCN26**



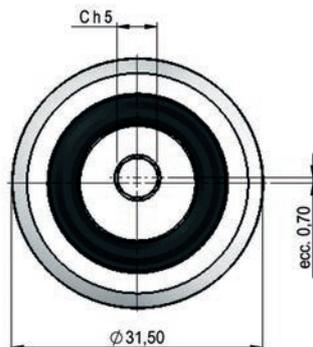
**PEV30**



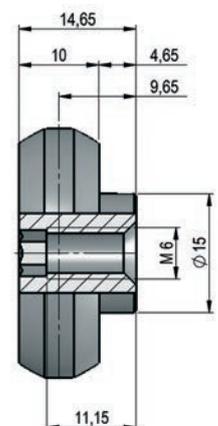
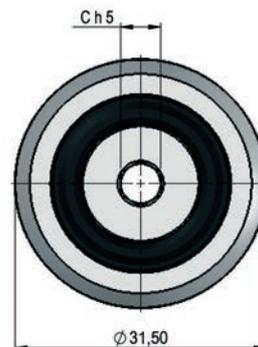
**PCV30**



**PEN40**



**PCN40**



Roller code	Type	Rail type	Dynamic load factor C (N)	Load capacity *		Weight (g)
				Co rad (N)	Co ax (N)	
PCN26	concentric	LAN26	640	560	126	10
PEN26	eccentric					
PCV30	concentric	LAN30	680	600	140	20
PEV30	eccentric					
PCN40	concentric	LAN40	1360	1200	410	40
PEN40	eccentric					
PCN40	concentric	LUN40	910	800	0	40
PEN40	eccentric					