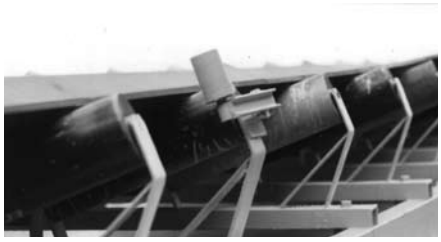
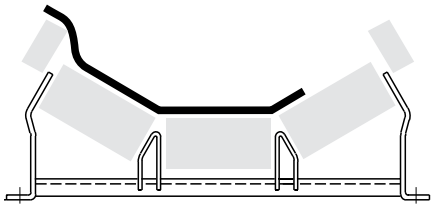


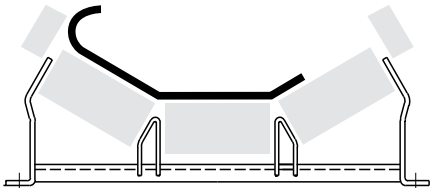
2.5.6 - Guide rollers

For various reasons, the conveyor belt may at times, tend to drift laterally.
In these cases it is possible to utilise vertical rollers with cantilevered spindles. These are generally known as belt guide rollers.



It is necessary however to pay particular attention to the use to which these rollers are put, so that the forces on the guide roller by the belt do not damage the belt edge.

In other words, guiding does not eliminate the true reason for the belt tracking off.
Consequently, the belt may ride over the guide roller or become distorted against it (see drawings).



For these reasons it is advisable to always use guide rollers on the most suitable transom, the self-centralising, transom which rotates automatically whenever the belt tracks off conveyor centre and self-corrects.

Series PS

They are assembled using spherical ball bearings, protected by labyrinth seals and constructed with similar characteristics to the series PSV.

In the following tables the various types are indicated with standard lengths and diameters.

On request non standard diameters, lengths and roller shell thicknesses may be supplied.

guide roller

type	**D** mm	s	d	**B**	f	m	e	*	bearing	weight Kg
PS/G7	**60**	8	20	**100**	43	35	8	M16	6204	1.4
								Self centralising frames		
PS/G7	**60**	8	20	**100**	43	35	8	S18	6204	1.4

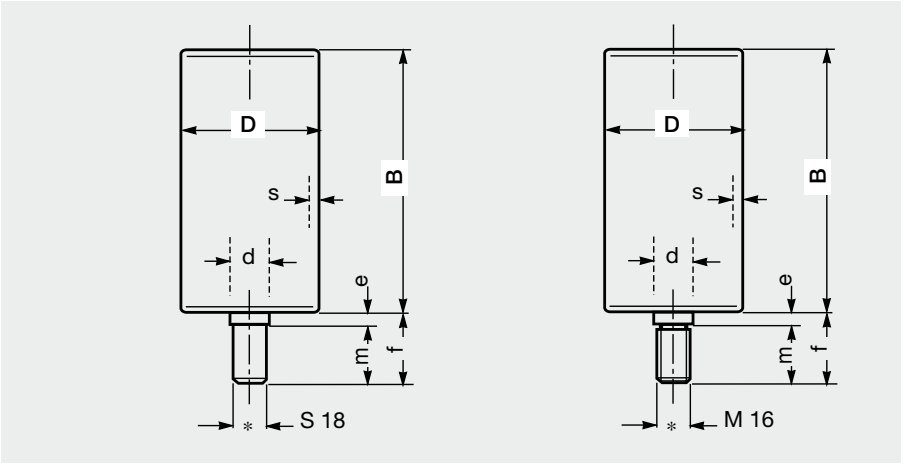
Series MPS - RTL

These are the most cost effective series of guide rollers designed and produced with the identical characteristics to the load carrying roller itself, of high quality and capacity.

guide roller

type	**D** mm	s	d	**B**	f	m	e	M	bearing	weight Kg
MPS/G7	**60**	3	15	**80**	41	33	8	14	6202	0.9
				100						0.9
RTL/G7	**60**	2	15	**80**	41	33	8	14	6202	0.8
				100						0.8

Example of ordering
PS/G7, 20M16, 60N, 100
MPS/G7, 15M14, 60N, 100
RTL/G7, 15M14, 60N, 80



guide roller type	D mm	s	d	B	f	m	e	M	bearing	weight Kg
PS/G1	**63**	3	20	**130**	43	35	8	16	6204	1.9
				150						2.1
PS/G1	**89**	3	20	**130**	43	35	8	16	6204	1.9
				150						2.2
PS/G2			25	**130**	43	35	8	20	6205	2.0
				150						2.1
PS/G3			30	**130**	48	40	8	24	6206	2.7
				150						3.1
PS/G1	**108**	3,5	20	**130**	43	35	8	16	6204	2.4
				150						2.7
PS/G2			25	**130**	43	35	8	20	6205	2.1
				150						2.6
PS/G3			30	**130**	48	40	8	24	6206	2.9
				150						3.4
PS/G1	**133**	4	20	**130**	43	35	8	16	6204	3.1
				150						3.5
PS/G2			25	**130**	43	35	8	20	6205	2.8
				150						3.4
PS/G3			30	**130**	48	40	8	24	6206	3.6
				150						4.1

Example of ordering
PS/G1, 20M16, 89N, 130
PS/G2, 25M20, 108N, 150
PS/G3, 30M24, 133N, 150