

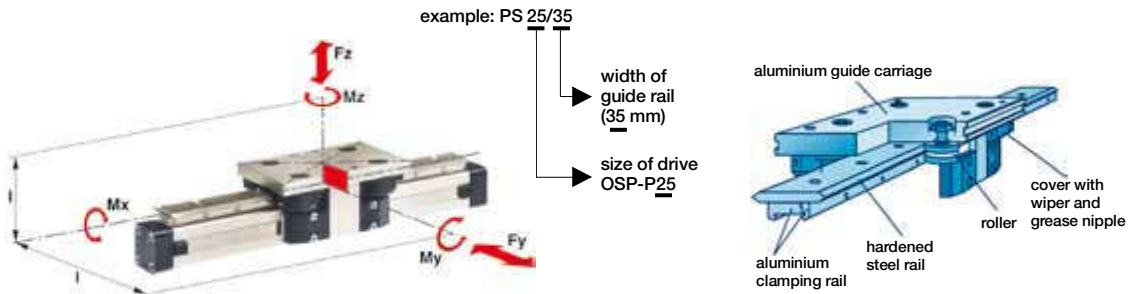
**Roller Guide
POWERSLIDE
Series PS 16 to 50 for Linear Drive**



Features:

- Anodised aluminium guide carriage with vee rollers having 2 rows of ball bearings
- Hardened steel guide rail
- Several guide sizes can be used on the same drive
- Corrosion resistance version available on request
- Max. speed $v = 3 \text{ m/s}$,
- Tough roller cover with wiper and grease nipple
- Any length of stroke up to 3500 mm, (longer strokes on request)

Loads, Forces and Moments



Technical Data

The table shows the maximum per-missible values for smooth operation, which should not be exceeded even under dynamic conditions. For further information and technical data see data sheets for linear drives OSP-P see catalogue P-A4P011GB.

*** Please note:**

In the cushioning diagram, add the mass of the guide carriage to the mass to be cushioned.

Series	For linear drive	Max. moments [Nm]			Max. load [N] Fy, Fz	Mass of linear drive with guide [kg]		Mass* of guide carriage [kg]	Order-No. Powerslide Guide without cylinder ¹⁾
		Mx	My	Mz		with 0 mm stroke	increase per 100 mm stroke		
PS 16/25	OSP-P16	14	45	45	1400	0.93	0.24	0.7	20285FIL
PS 25/25	OSP-P25	14	63	63	1400	1.5	0.4	0.7	20015FIL
PS 25/35	OSP-P25	20	70	70	1400	1.7	0.4	0.8	20016FIL
PS 25/44	OSP-P25	65	175	175	3000	2.6	0.5	1.5	20017FIL
PS 32/35	OSP-P32	20	70	70	1400	2.6	0.6	0.8	20286FIL
PS 32/44	OSP-P32	65	175	175	3000	3.4	0.7	1.5	20287FIL
PS 40/44	OSP-P40	65	175	175	3000	4.6	1.1	1.5	20033FIL
PS 40/60	OSP-P40	90	250	250	3000	6	1.3	2.2	20034FIL
PS 50/60	OSP-P50	90	250	250	3000	7.6	1.4	2.3	20288FIL
PS 50/76	OSP-P50	140	350	350	4000	11.5	1.8	4.9	20289FIL

¹⁾ corrosion resistance version available on request (max. loads and moments are 25% lower)