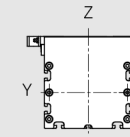
Dynamic module DM2...ZS... with rack and pinion drive

DM Size	Rack and pinion drive Stroke/R [mm]	Axial load rating F [N]	Positioning accuracy [µ/mm]	Repeating accuracy .../1000 mm [mm]	Acceleration a_{max} [m/s²]
DM2.ZS...	133.332 (42.441 x π)	..... [1]	36/1000 [2]	± 0.02 [2]	50 [3]

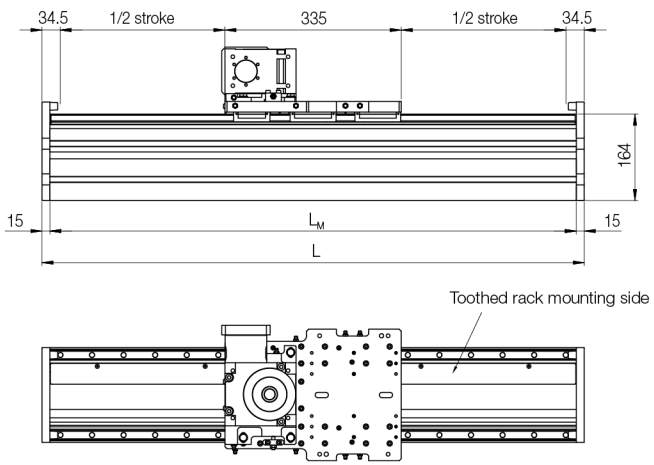
[1] Depends on speed and load
[2] Without considering backlash and load
[3] Maximum possible value; precise value for your specific application to be determined with our technical sales department

DM Type	Travel speed Guide v_{max} [m/min]	 Drive v_{max} [m/min]	Area moment of inertia I_Y [cm⁴]	 I_Z [cm⁴]	Stroke max. [mm]	Feed and friction force F_V [N]	Mass/carriage transported (without gearbox) m_b [kg]
DM2.ZS...	360 [6]	[4]	1780	3184	5550 (1 carriage) [5] 5200 (2 carriages) [5]	50 [7]	7.8



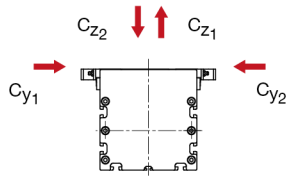
[4] Depends on load and gear ratio
[5] Longer strokes on request
[6] Higher speeds on request
[7] Without idling-torque gearbox; this is dependent on the gear ratio

– 1 carriage with gearbox left (Order code Carriage = A) or with gearbox right (Order code Carriage = B)

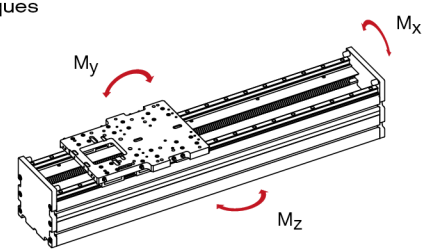


Nominal size Designation	Dimensions L [mm]	 L_M [mm]	 Weight (excluding gearbox) [kg]
DM2.ZS...A/B...	Stroke + 404	L – 30	21.39 kg + 3.06 kg/100 mm Stroke

Load ratings



Torques



Dynamic module Type	Maximum permissible forces [kN] static $C_{y_{0\,1,2}}$	 $C_{z_{0\,1,2}}$	 dynamic $C_{y_{1,2\,50}}$	 $C_{z_{1,2\,50}}$	Maximum permissible torques [Nm] static M_{x_0}	 M_{y_0}	 M_{z_0}	 dynamic $M_{x_{50}}$	 $M_{y_{50}}$	 $M_{z_{50}}$
DM2.ZS...	192.6	192.6	131.3	131.3	14630	15110	15110	9980	10620	10620

For CAD data, contact LINE TECH ➔

Enquiry (technical/quote)

Download data sheet (PDF)

Download catalogue (PDF)