

≡ Dynamic module DM2...ZR... XL with toothed belt drive

DM	Toothed belt drive		Axial load rating	Positioning accuracy	Repeating accuracy	Acceleration
Size	Stroke/R [mm]	Elongation ³⁾ [mm/m]	F [N]	[μm/mm]	.../1000 mm [mm]	a _{max} [m/s ²]
DM2.ZR...	320	0.037	 ¹⁾	200/1000 ²⁾	± 0.05 ²⁾	50.0 ⁴⁾

¹⁾ Depends on speed and load

²⁾ Without considering backlash and load

³⁾ Belt elongation/metre [mm/m] per 100 N tensile force

⁴⁾ Maximum possible value; precise value for your specific application to be determined with our technical sales department

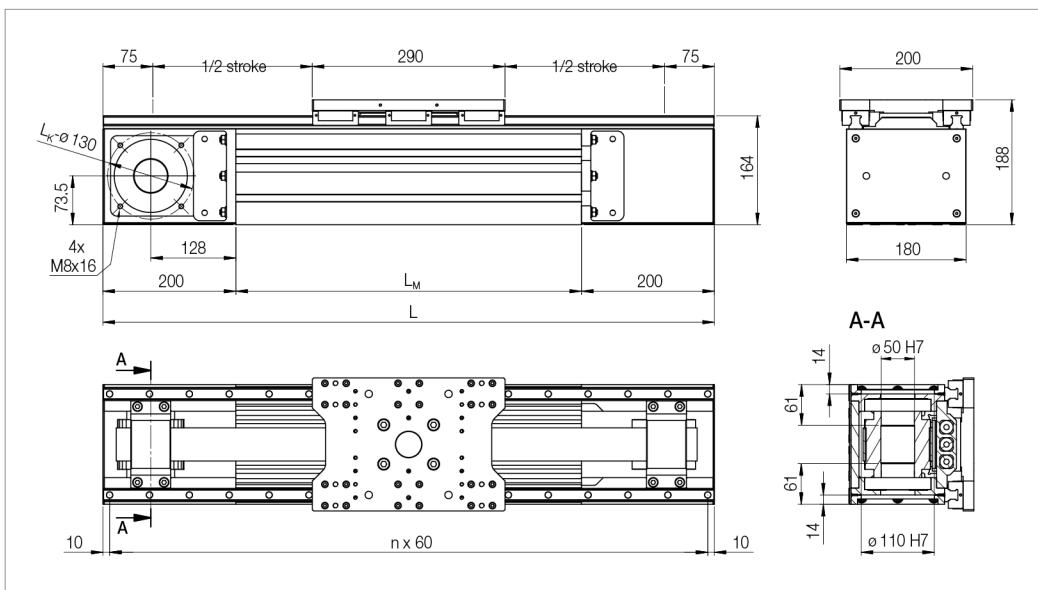
DM	Travel speed		Area moment of inertia		Stroke max.	Feed and friction force	Mass transported
Type	Guide v _{max} [m/min]	Drive v _{max} [m/min]	I _y [cm ⁴]	I _z [cm ⁴]	[mm]	F _V [N]	m _b [kg]
DM2.ZR...A/B/C... ⁸⁾	360 ⁷⁾	⁵⁾	1780	3184	XL: 13160 ⁶⁾	65	6.4
DM2.ZR...D/E/F... ⁸⁾	360 ⁷⁾	⁵⁾	1780	3184	XL: 13160 ⁶⁾	80	7.2

⁵⁾ Depends on load, rotation speed, and permissible travel speed of the guides

⁶⁾ Longer strokes on request

⁷⁾ Higher speeds on request

⁸⁾ ...A/B/C... = 4 runner blocks / ...D/E/F... = 6 runner blocks



Nominal size	Dimensions			
Designation	L [mm]	L _M [mm]	Belt length [mm]	Weight (excluding gearbox) [kg]
DM2.ZR...A/B/C... ¹⁾	Stroke * + 440	L – 400	2 x Stroke + 880	24.34 kg + 2.688 kg/100 mm Stroke
DM2.ZR...D/E/F... ¹⁾	Stroke * + 440	L – 400	2 x Stroke + 880	25.11 kg + 2.688 kg/100 mm Stroke

* Possible strokes = 360 mm / 420 mm / 480 mm / ... every 60 mm ... / 5760 mm / 5820 mm / 5880 mm ... XL: 13160 mm

XL Please contact LINE TECH for
Consulting & Engineering →

Enquiry (technical/quote)

Load ratings

Torques

Dynamic module Type	Maximum permissible forces [kN]				Maximum permissible torques [Nm]					
	static		dynamic		static			dynamic		
	$C_{y0,1,2}$	$C_{z0,1,2}$	$C_{y1,2,50}$	$C_{z1,2,50}$	M_{x0}	M_{y0}	M_{z0}	M_{x50}	M_{y50}	M_{z50}
DM2.ZR...A/B/C... ¹⁾	108	108	77.5	77.5	8200	11880	11880	5900	8530	8530
DM2.ZR...D/E/F... ¹⁾	162.0	162.0	116.3	116.3	12310	12080	12080	8840	8790	8790

¹⁾ ...A/B/C... = 4 runner blocks / ...D/E/F... = 6 runner blocks

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