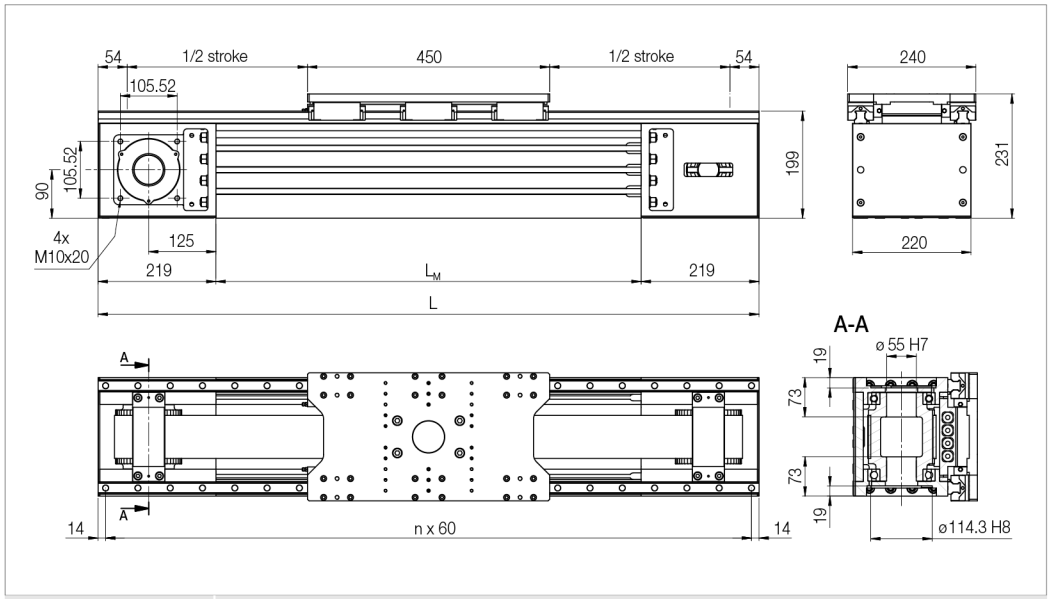
Dynamic module DM3...ZR... with toothed belt drive



Nominal size	Dimensions			
Designation	L [mm]	L_M [mm]	Belt length [mm]	Weight (excluding gearbox) [kg]
DM3.ZR...A/B/C... [1]	Stroke * + 558	L – 438	2 x Stroke + 1124	55.1 kg + 4.63 kg/100 mm Stroke
DM3.ZR...D/E/F... [1]	Stroke * + 558	L – 438	2 x Stroke + 1124	56.5 kg + 4.63 kg/100 mm Stroke

* Possible strokes = 430 mm / 490 mm / 550 mm / … every 60 mm … / 5650 mm / 5710 mm / 5770 mm

For CAD data, contact LINE TECH ➔

Enquiry (technical/quote)

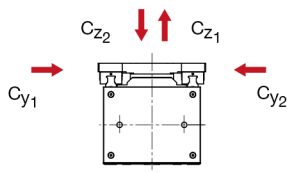
DM	Toothed belt drive		Axial load rating	Positioning accuracy	Repeating accuracy	Acceleration
Size	Stroke/R [mm]	Elongation [3] [mm/m]	F [N]	[µ/mm]	.../1000 mm [mm]	a_{max} [m/s²]
DM3.ZR...	392	0.023	..... [1]	200/1000 [2]	± 0.05 [2]	50.0 [4]

[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

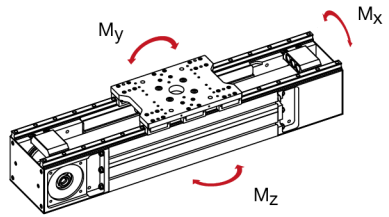
DM	Travel speed		Area moment of inertia		Stroke max.	Feed and friction force	Mass transported
	Guide	Drive	Z / Y				
Type	v_{max} [m/min]	v_{max} [m/min]	I_Y [cm⁴]	I_Z [cm⁴]	[mm]	F_V [N]	m_b [kg]
DM3.ZR...A/B/C... [8]	360 [7]	[5]	5183	8917	5770 [6]	80	12.3
DM3.ZR...D/E/F... [8]	360 [7]	[5]	5183	8917	5770 [6]	100	13.7

[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

Load ratings



Torques



Dynamic module	Maximum permissible forces [kN]				Maximum permissible torques [Nm]					
Type	static		dynamic		static			dynamic		
	$C_{y_{0\,1,2}}$	$C_{z_{0\,1,2}}$	$C_{y_{1,2\,50}}$	$C_{z_{1,2\,50}}$	M_{x_0}	M_{y_0}	M_{z_0}	$M_{x_{50}}$	$M_{y_{50}}$	$M_{z_{50}}$
DM3.ZR...A/B/C... [1]	207.7	207.7	139.2	139.2	19730	35310	35310	13220	23670	23670
DM3.ZR...D/E/F... [1]	311.5	311.5	208.8	208.8	29600	35950	35950	19840	24470	24470

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

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