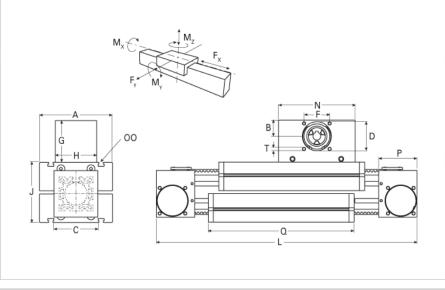
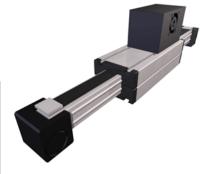


## **ELZT 60S Extended Carriage**

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Details	
Size	60S
Belt	8M30
mm/Rev	192
Number of Teeth	24
Pully Diameter [mm]	61.1
Dimensions	
Basic Length L [mm]	506
A [mm]	170
B [mm]	39
C [mm]	80
D [mm]	68
F [mm]	60
G [mm]	105
H [mm]	100
[mm]	-
	 106
J [mm]	100
MM	
N [mm]	180
00	M8
P [mm]	59
Q [mm]	379
T	M8
V [mm]	•
Shaft Diameter and Length [mm]	18 x 45
Key	6x6x40
Speed	
Speed Maximum [m/s]	7
Forces and Torques	
Forces and Torques No-load torque [Nm]	1.1
Forces and Torques	
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]	1.1
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]	1.1 700
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]	1.1 700 580 310
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]  Fx dynamic [N]	1.1 700 580 310 470
Forces and Torques  No-load torque [Nm] Tensile force 0.2 sec [N] Tensile force permanent [N] Fy dynamic [N] Fx dynamic [N] Fz dynamic [N]	1.1 700 580 310 470 1600
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]  Fx dynamic [N]  Fz dynamic [N]  Mx dynamic [Nm]	1.1 700 580 310 470 1600 65
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]  Fx dynamic [N]  Fz dynamic [N]  Mx dynamic [Nm]  My dynamic [Nm]	1.1 700 580 310 470 1600 65
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]  Fx dynamic [N]  Fz dynamic [N]  Mx dynamic [Nm]  My dynamic [Nm]  Mz dynamic [Nm]	1.1 700 580 310 470 1600 65 140
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]  Fx dynamic [N]  Fz dynamic [N]  Mx dynamic [Nm]  My dynamic [Nm]  Mz dynamic [Nm]  Fx static [N]	1.1 700 580 310 470 1600 65 140 170
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]  Fx dynamic [N]  Fz dynamic [N]  Mx dynamic [Nm]  My dynamic [Nm]  Mz dynamic [Nm]  Fx static [N]  Fy static [N]	1.1 700 580 310 470 1600 65 140 170 580
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]  Fx dynamic [N]  Fz dynamic [N]  Mx dynamic [Nm]  My dynamic [Nm]  Mz dynamic [Nm]  Fx static [N]  Fy static [N]  Fz static [N]	1.1 700 580 310 470 1600 65 140 170 580 4100 2160
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]  Fx dynamic [N]  Fz dynamic [N]  Mx dynamic [Nm]  My dynamic [Nm]  Mz dynamic [Nm]  Fx static [N]  Fy static [N]  Fz static [N]  Fx static [N]  Mx static [Nm]	1.1 700 580 310 470 1600 65 140 170 580 4100 2160
Forces and Torques  No-load torque [Nm] Tensile force 0.2 sec [N] Tensile force permanent [N] Fy dynamic [N] Fx dynamic [N] Fz dynamic [N] Mx dynamic [Nm] My dynamic [Nm] My dynamic [Nm] Fx static [N] Fx static [N] Fy static [N] Fy static [N] My static [Nm] My static [Nm]	1.1 700 580 310 470 1600 65 140 170 580 4100 2160 88
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]  Fx dynamic [N]  Mx dynamic [Nm]  My dynamic [Nm]  My dynamic [Nm]  Fx static [N]  Fy static [N]  Fy static [N]  Mx static [Nm]  Mx static [Nm]  Mx static [Nm]  My static [Nm]	1.1 700 580 310 470 1600 65 140 170 580 4100 2160
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]  Fx dynamic [N]  Fz dynamic [N]  Mx dynamic [Nm]  My dynamic [Nm]  Mz dynamic [Nm]  Fx static [N]  Fy static [N]  Fy static [N]  Fy static [N]  Mx static [Nm]  My static [Nm]  Mg static [Nm]  Mg static [Nm]  Mg static [Nm]  Geometrical moments of inertia of aluminum profile	1.1 700 580 310 470 1600 65 140 170 580 4100 2160 88 190 230
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]  Fx dynamic [N]  Fz dynamic [Nm]  Mx dynamic [Nm]  My dynamic [Nm]  Mz dynamic [Nm]  Fx static [N]  Fy static [N]  Fy static [N]  Fy static [N]  Mx static [Nm]  Mx static [Nm]  Mx static [Nm]  My static [Nm]  My static [Nm]  My static [Nm]  Geometrical moments of inertia of aluminum profile  Elastic modulus [N/mm <sup>2</sup> ]	1.1 700 580 310 470 1600 65 140 170 580 4100 2160 88 190 230
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]  Fx dynamic [N]  Fz dynamic [Nm]  Mx dynamic [Nm]  My dynamic [Nm]  Fx static [N]  Fy static [N]  Fy static [N]  Fy static [N]  Mx static [Nm]  Mx static [Nm]  My static [Nm]  My static [Nm]  My static [Nm]  My static [Nm]  Mz static [Nm]  Mz static [Nm]  Mz static [Nm]  Elastic modulus [N/mm <sup>2</sup> ]  Ix [mm <sup>4</sup> ]	1.1 700 580 310 470 1600 65 140 170 580 4100 2160 88 190 230
Forces and Torques  No-load torque [Nm]  Tensile force 0.2 sec [N]  Tensile force permanent [N]  Fy dynamic [N]  Fx dynamic [N]  Fz dynamic [Nm]  Mx dynamic [Nm]  My dynamic [Nm]  Mz dynamic [Nm]  Fx static [N]  Fy static [N]  Fy static [N]  Fy static [N]  Mx static [Nm]  Mx static [Nm]  Mx static [Nm]  My static [Nm]  My static [Nm]  My static [Nm]  Geometrical moments of inertia of aluminum profile  Elastic modulus [N/mm <sup>2</sup> ]	1.1 700 580 310 470 1600 65 140 170 580 4100 2160 88 190 230

Weight0.73Additional Weight per 100 mm [kg]0.73Basic Weight [kg]10.1