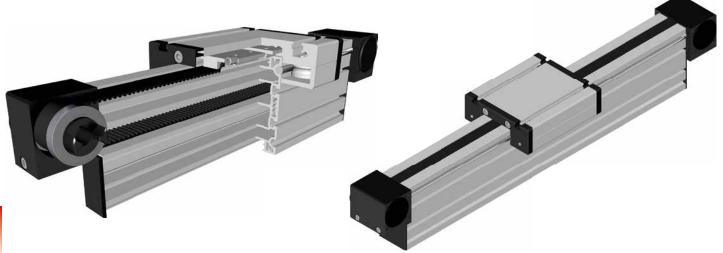
98



Function:

The guide body consists of an aluminium square profile with lateral, parallel, form-fit, internal hardened steel rods. The guide carriage, which is driven along the shafts by a timing belt, moves on the guide body with internal linear ball bearings that are adjustable free of play. The advantage of this system: The timing belt is guided within the profile, so that the system is independent of the mounting position. Due to the rectangular profile high torques and loads can be taken up. In addition, a very high stability and low deflection are ensured for long axis systems. The belt tension can be easily readjusted via a tensioning device within the carriage. This device also helps to adjust the symmetry of the carriages in applications where two parallel linear units are used.

Fitting position:
Carriage mounting:
Unit mounting:
Belt type:

As required, max. length 6.000 mm without joints.

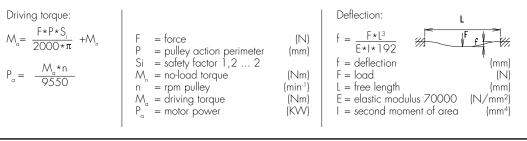
ng: By T-slots.

By T-slots or tapped holes in the bearing block, mounting sets.

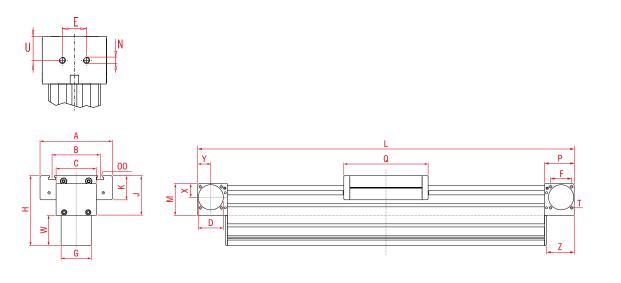
HTD with steel reinforcement, no backlash when changing direction, repeatability: \pm 0,1 mm.

Forces and torques	Size		60	60 S								
	Forces/Torques	static	dynamic	static	dynamic							
Fz∮	F _x (N)	894	800	894	800							
Mz	F, (N)	3000	2000	4100	3100							
	$F_z(N)$	1700	1100	2160	1600							
	M _x (Nm)	67	43	88	65							
	M, (Nm)	90	70	190	140							
F	X M _z (Nm)	120	100	230	170							
	All forces and torques relate to											
		· / dyn · dyn · · · / dyn · · ayn										
	No-load torque),6	0,7								
	Speed		,0		,,,							
	(m/s) max		5		7							
	Tensile force	•										
	permanent (N)	9	000	900								
	0,2 s (N)](000	1000								
	Geometrical moments of inertia	Geometrical moments of inertia of aluminium profile										
	l _x mm ⁴	2,8	x 10 ⁶	2,8 × 10 ⁶								
	l _v mm ⁴	9,6	x 10 ⁵	9,6 x 10 ⁵								
	E-Modulus N/mm ²	70	000	70000								

Rost frei For life-time calculation of rollers use our homepage.



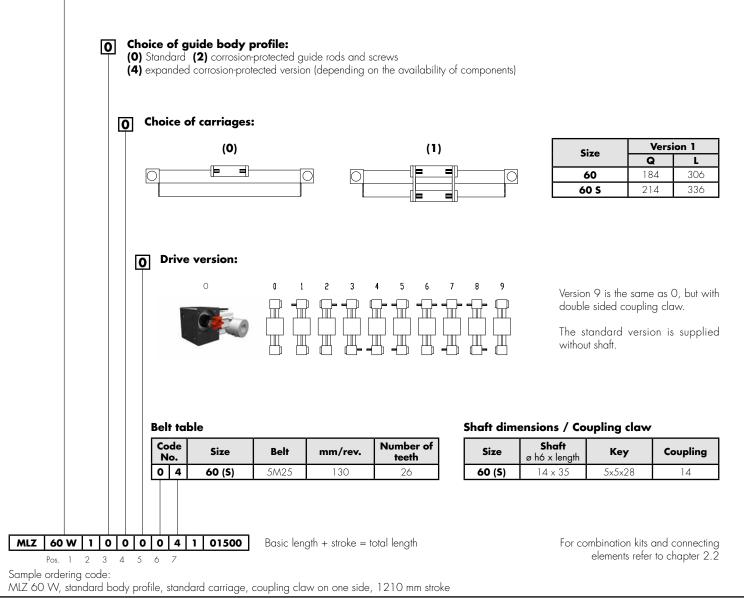
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*For slide nuts refer to chapter 2.2 page 2

Increasing the carriage length will increase the basic length by the same amount.

Size	Basic length L	A	в	с	D - 0,05	E	F	G	н	ſ	к	м	N	00 for	P	Q	т	υ	w	x	Y	z	Basic weight	Weight per 100 mm
MLZ 60 W	290	144	96	80	47	30	42	60	139	79	48	63	M 8	M 8	59	168	Μ6	29,5	60	27	26	55	5,2 kg	0,8 kg
MLZ 60S W	315	170	108	80	47	30	42	60	143	83	52	63	M 8	M 8	59	194	Μ6	29,5	60	27	26	55	6,2 kg	0,8 kg



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