Belt drive

198



The guide body consists of an aluminium profile with elegantly rounded outer edges, with a roller guide integrated into it. The carriage is moved by means of a revolving interior timing belt. At the front face there is a timing belt deflection unit with integrated coupling claws on two sides. The opposite front face is provided with a plate containing a tensioning device for the timing belt.

Fitting position: Carriage mounting: By tapped holes. **Belt performance: Carriage support:**

As required. Max. length 6.000 mm without joints.

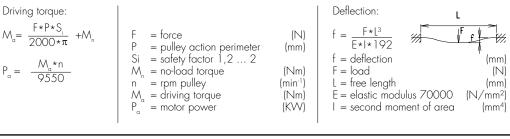
HTD with steel reinforcement, no backlash when changing direction, repeatability \pm 0,1 mm. The carriage runs on 5 rollers which can be adjusted and serviced at each central servicing position. Two grease nipples at the carriage enable relubrication of the positioning system.

Forces and torques		Size	(60	
		Forces/Torques	static	dynamic	
Fz∱		F _x (N)	1073	960	
	Mz	F _v (N)	780	650	
\uparrow	$\sum \frac{1}{2}$	F _z (N)	1170	845	
		M _x (Nm)	20	13	
Mx	Fx Fx	M _v (Nm)	78	65	
		M _z (Nm)	52	39	
Fy My		All forces and torques related to the followin	All forces and torques related to the following:		
		All forces and torques related to the following: existing values table values $\frac{F_{Y}}{F_{Y_{dyn}}} + \frac{F_{Z}}{F_{Z_{dyn}}} + \frac{M_{X}}{M_{X_{dyn}}} + \frac{M_{y}}{M_{y_{dyn}}} + \frac{M_{z}}{M_{Z_{dyn}}} \le 1$		1	
	\sim $//$	No-load torque			
		Nm	0,6		
		Speed			
		(m/s) max		4	
		Tensile force			
		permanent (N)](1050	
		0,2 s (N)		1150	
		Geometrical moments of inertia of aluminium profile			
		l _x mm ⁴	4,47x10 ⁵		
		l _y mm ⁴	5,5	5,59x10⁵	
		Elastic modulus N/mm ²	70	0000	

Rost frei

For life-time calculation of rollers use our homepage · www.bahr-modultechnik.com

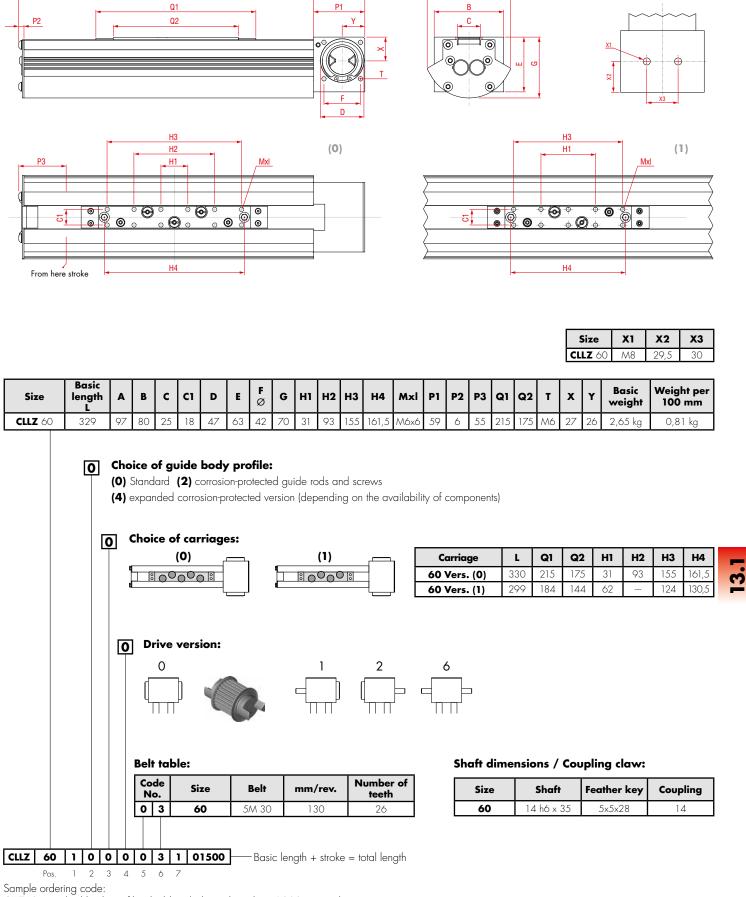
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Modultechnik

pulley block

199



CLLZ60, standard body profile, double-sided coupling claw, 1329 mm stroke



