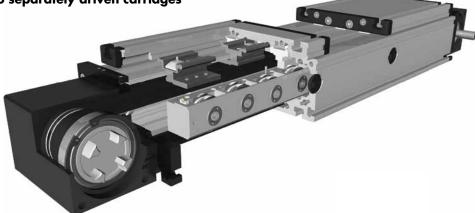
Positioning system DLZZ 160, 200

Belt drive with two separately driven carriages



Function:

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This unit consists of a rectangular aluminium profile with 2 integrated roller guides. The carriage is moved by a belt drive. Each carriage can be moved separately by its own drive. This unit has twin pulleys, which run on separate bearings, and two independent, parallel drive belts, one for each carriage. The openings of the guide body are sealed with 3 stainless steel cover bands to protect the guide from splash water and dust.

Fitting position: Carriage mounting: By T-slots Unit mounting: Belt type: **Carriage support:**

As required. Max. length 4.000 mm without joints.

By T-slots and mounting sets. The linear axis can be combined with any T-slot profile.

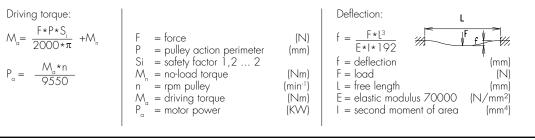
HTD with steel reinforcement, no backlash when changing direction, repeatability \pm 0,1 mm.

In the standard version, the carriage runs on 8 rollers which can be adjusted and serviced at a central servicing position. For longer carriages the number of rollers can be increased.

Forces and torques	Size	1	160		200	
	Forces/Torques	static	dynamic.	static	dynamic	
1	F _x (N)	1210	1100	1900	1800	
Fz∱	F _v (N)	3000	2000	4400	3100	
, Mz	F, (N)	3500	2800	4900	4400	
	M _x (Nm)	400	320	600	510	
Mx Fx	M _v (Nm)	360	300	560	480	
	M _z (Nm)	180	150	310	275	
Fy My	All forces and torques related to the following:					
	existing values Fy Fz Mx	. My	$\bullet \frac{M_y}{M_z} \bullet \frac{M_z}{M_z} \leq 1$			
	table values $\overline{Fy_{dyn}} + \overline{Fz_{dyn}} + \overline{Mx_{dyn}}$	+ /////////	≤∎ Mz _{dyn}			
\rightarrow	No-load torque					
	Nm without cover bands	1	1,5		1,8	
	Nm with cover bands	2	2,1		4	
	Speed		р			
	(m/s) max	6		8		
	Tensile force	0				
	permanent (N)	1210		1400		
	0,2 s (N)	1331		2090		
	Geometrical moments of inertia of aluminium profile					
	l _x mm ⁴	22,2x10 ⁵		63,8×10 ⁵		
	l [°] mm ⁴ Elastic modulus N/mm ²		122,0x105		335×10⁵	
			70000		70000	

Rost frei

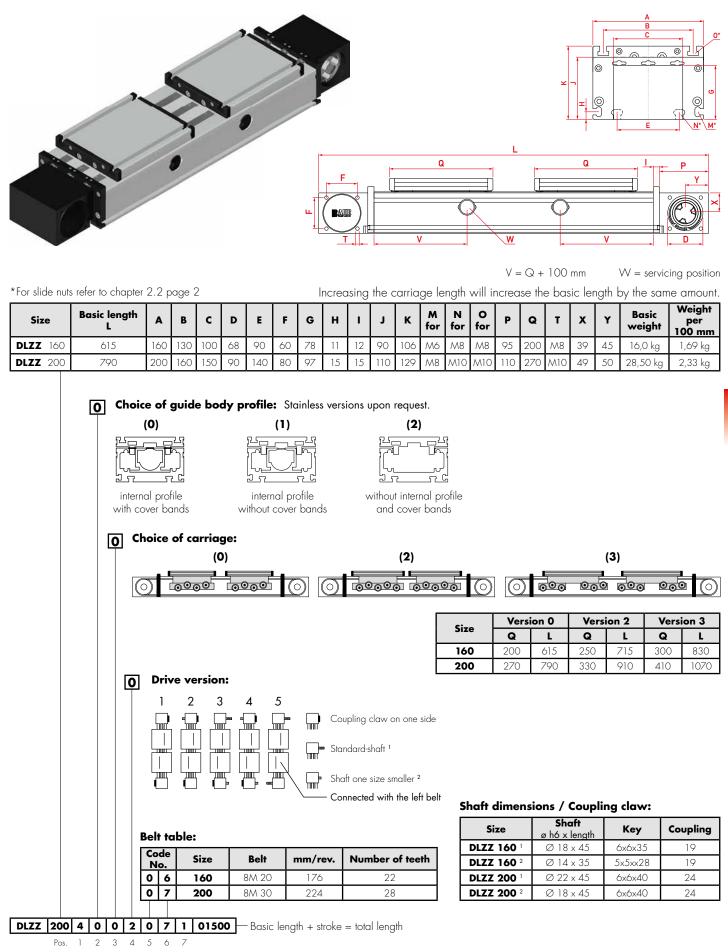
For life-time calculation of rollers use our homepage.



Modultechnik

Positioning system DLZZ 160, 200

135



Sample ordering code:

DLZZ 200 with internal profile and cover bands, carriage version 0, drive version 2, 710 mm stroke.



