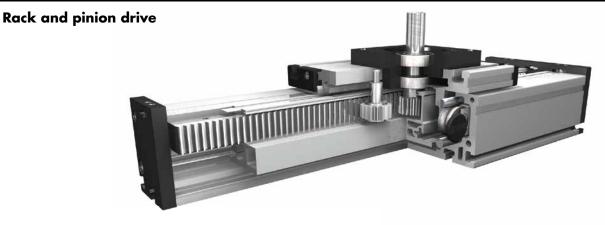
Positioning system DLZA 120, 160, 200



Function:

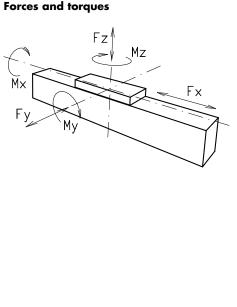
This unit consists of a rectangular aluminium profile with 2 integrated roller guides. The carriage, which has internal linear ball bearings that can be adjusted free of play, is driven along the guide rods by a high precision rack. The rack and pinion system is suitable for highly dynamic servo operation and ideal for lifting movements. The pinion is equipped with maintenance-free ball bearings. The rack is lubricated by a toothed felt wheel.

Fitting position:As requireCarriage mounting:By T-slots.Unit mounting:By T-slots.Rack:6h23 McCarriage support:In the standard

As required. Max. length 6.000 mm without joints.

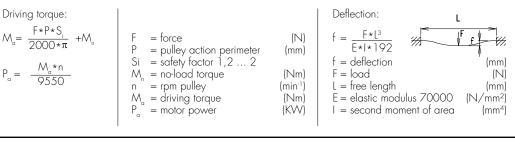
By T-slots and mounting sets. The linear axis can be combined with any T-slot profile. $6h23 \text{ Modul } 2 \text{ (hardened and ground), repeatability } \pm 0,1 \text{ mm.}$

ort: 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.



Size	1	60	200			
Forces/Torques	static	dynam.	static	dynam		
F _x (N)	1900	1800	4000	3800		
F, (N)	3000	2000	4400	3100		
F _z (N)	3500	2800	4900	4400		
M, (Nm)	400	320	600	510		
M _v (Nm)	360	300	560	480		
M ₂ (Nm)	180	150	310	275		
All forces and torques related to the follo existing values $\frac{Fy}{Fy_{dyn}} + \frac{Fz}{Fz_{dyn}} + \frac{Mx}{Mx_{dy}}$	- + <u>My</u> +	<u>Mz</u> Mz _{dyn} ≤1				
No-load torque						
Nm	1	1,5	2,6			
Speed						
(m/s) max		3	5,0			
Tensile force						
permanent (N)	10	900	3000			
Geometrical moments of inertia of alumin	ium profile					
∣ _x mm⁴	22,	2x105	63,8x10 ⁵			
l _v mm⁴	122	,0x105	335×10⁵			
Elastic modulus N/mm ²	70	0000	70000			

For life-time calculation of rollers use our homepage.



Modultechnik

Rost frei

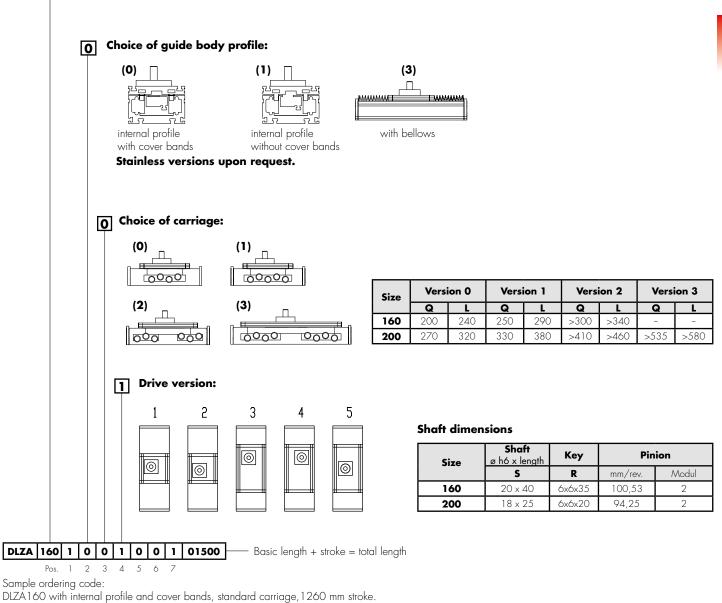
Positioning system DLZA 120, 160, 200

V = Q + 100 mmW = servicing position

*For slide nuts refer to chapter 2.2 page 2

Size	Basic length L	A	В	с	D ±0,05	E	F	G	н	J	к	м	N	O for	Ox for	Oy for	P	Q	T for	U	x	Basic weight	Weight per 100 mm
DLZA 160	240	160	130	100	68	90	16,5	56,5	11	90	106	60	59	M 8	M 8	Μ6	12	200	M 8	80	8,5	13,0 kg	2,10 kg
DLZA 200	320	200	160	120	90	140	20	45	15	110	129	80	95	M 10	M 10	M 8	15	270	M 8	100	5	28,9 kg	6,15 kg

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



Rost frei

Modultechnik

Dimensions (mm)

.

8.1 | 15