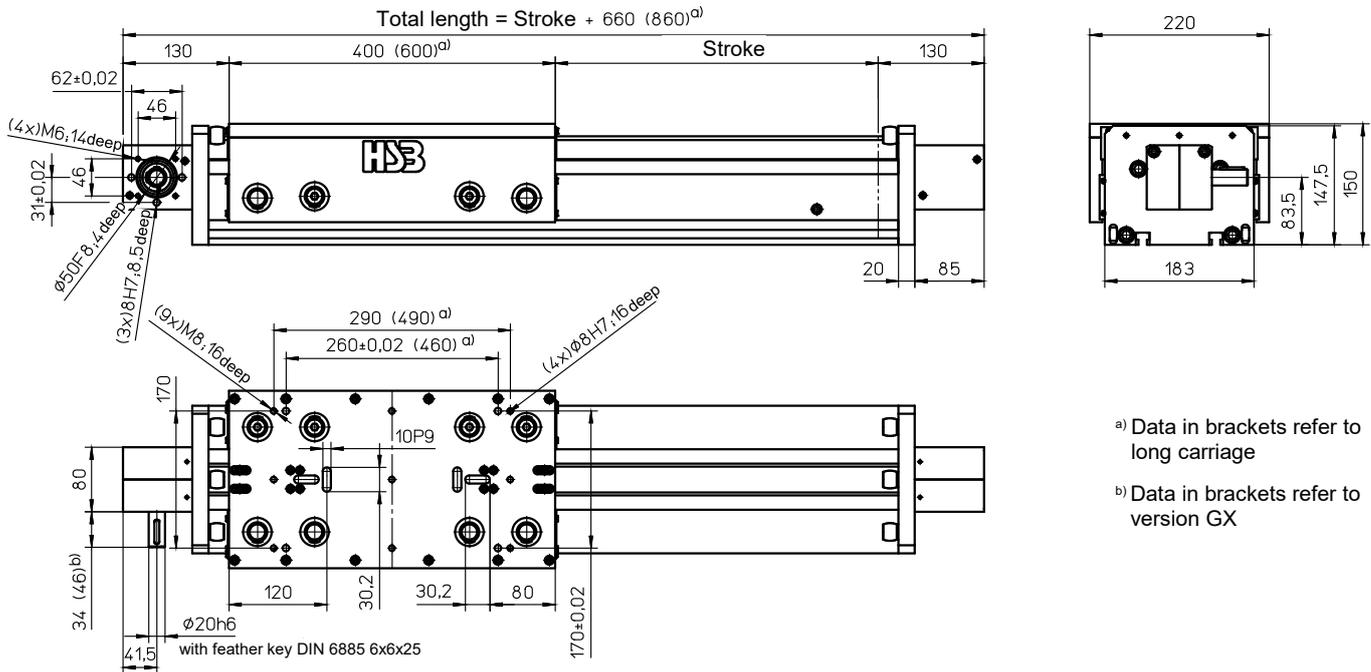


With toothed belt drive and roller guides (ZRX)



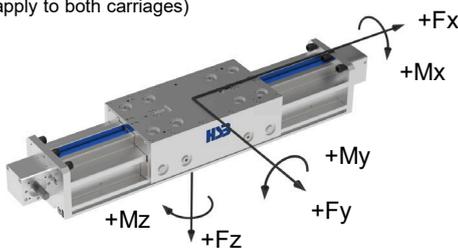
a) Data in brackets refer to long carriage
 b) Data in brackets refer to version GX

Weights	ZRX
Basic length without stroke:	28,48 kg
100mm Stroke:	2,30 kg
Entire Carriage 400 mm:	12,25 kg
Entire Carriage 600 mm:	16,80 kg
Max. total length: (longer on request)	6000 mm

Technical Data	ZRX
Max. speed:	3,00 m/s
Max. acceleration:	10 m/S ²
Repeat accuracy:	± 0,08 mm
Idle torque:	1,90 Nm
Moment of inertia:	1,44 · 10 ⁻² kgm ²
Drive element:	Toothed Belt 32 AT10
Stroke per revolution:	210 mm

Forces and moments

(apply to both carriages)



ZRX	
Forces	dynamic [N]
F_x^{b)}	2700
F_y	1200 (1800)
F_z	1800 (2700)
-F_z	1800 (2700)
Moments	dynamic [Nm]
M_x	100 (150)
M_y	150 (550)
M_z	200 (470)

b) Maximum values of both carriages (see diagram „F_x-v-Diagram“)
 Data in brackets refer to long carriage (600)

