Linear system **ELZU 60 S W**

SURFACE PORTAL - STRENGTHENED CONSTRUCTION



Function:

Surface gantry consisting of two Y axes and one X axis. The unit is driven by a rotating belt, which remains connected through various deflection points. 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. The movement is realised by two motors. The coordinate lies diagonal to the deflection points of the X axis. Advantage: Only small masses are moved and thus it is possible to achieve high accelerations.

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

As required. Max. length and width 3.000 mm.

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.



For life-time calculation of rollers use our homepage.

60 S

dynamic

800

3100

1600

65

140

170

≤1

Mz

Mz_{dvn}

static

894

4100

2160

88

190

230

+

My

My_{dyr}

+

1,2

5

900

1000

6.79x10⁴

6,97x10⁵

70000

2,8 x 10⁶

9,6 x 10⁵

70000

Мx

Mx_{dvn}

+

Fz

Fzdyn



Modultechnik

Rost frei

Linear system **ELZU 60 S W**





Dimensions (mm)

73

3.1

*For slide nuts refer to chapter 2.2 page 2

Size	Ba	Basic length		в	c	D	E	F	I	ſ	к	N	NN for	00 for	Р	Qx	Qy	т	v	x	Y	Basic	Weight per
	Lx	Ly				-,																	100 mm
ELZU 60 S W	450	400	170	108	80	47	30	42	33	82	94	M 8	M5	M 8	59	194	280	M6	127	27	26	17,9 kg	0,9 kg

O Choice of guide body profile:

(0) Standard (2) corrosion-protected guide rods and screws

(4) expanded corrosion-protected version (depending on the availability of components)



For combination kits and connecting elements refer to chapter 2.2

Pos. Sample ordering code:

ELZU 60S W 8 0 0 0 0 4 1

1 2 3 4 5 б 7

ELZU 60S W, standard body profile, standard carriage, coupling claw on one side, stroke X = 1080 / Y = 298 mm

00700





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