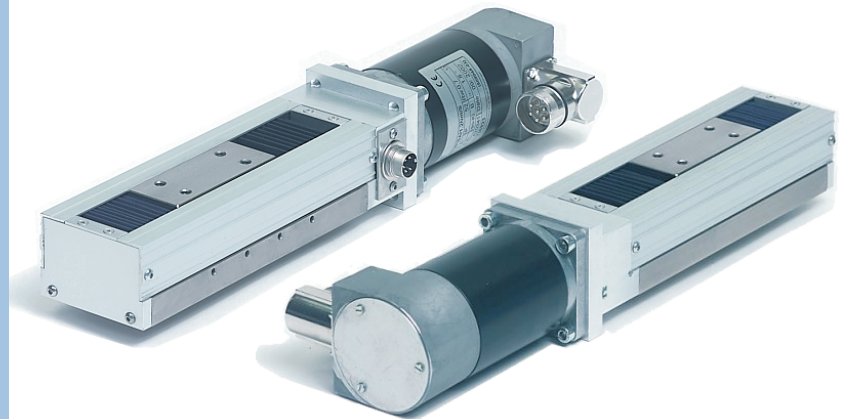


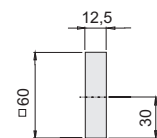
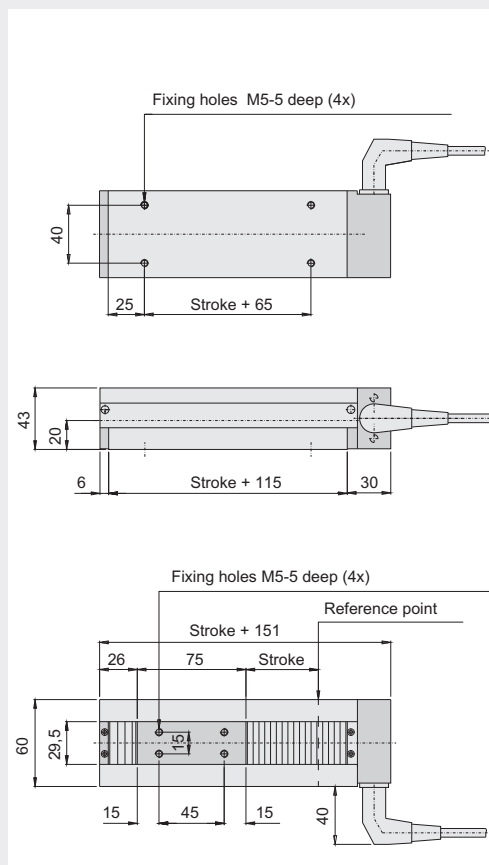
### The construction

The basic frame is a low-distortion steel casting to give it the highest vibration-damping properties. The frame forms the base for the guide rails. The inner slide is a complex assembly incorporating the ball-screw drive and the load bearing cross-rolls. Bellow-type covers and their guides, as well as the limit switches, are all integrated into this complete system.



## Mini Slide MS 60

Motor data	Number of steps per revolution	Resolution at a spindle			Max. holding torque	Weight
		1 mm	2 mm	5 mm		
Type 56/2P	400	2,5µm	5µm	12,5µm	0,13 Nm	1,35 kg
Type VRDM 368/3P	1000	1 µm	2 µm	5 µm	0,18 Nm	1,1 kg
Type 55/AC	1024 Inkr.	1 µm	2 µm	5 µm	0,32 Nm	1,1 kg



Adaptor plate for standard motors

Slide data	Stroke 25 mm	Stroke 50 mm	Stroke 75 mm	Stroke 100 mm
Mx	44 Nm	33 Nm	24 Nm	10 Nm
My	44 Nm	33 Nm	24 Nm	10 Nm
Mz	39 Nm	35 Nm	30 Nm	20 Nm
C	1330 N	1165 N	1000 N	6650 N
m	1,7 kg	2,0 kg	2,3 kg	2,6 kg

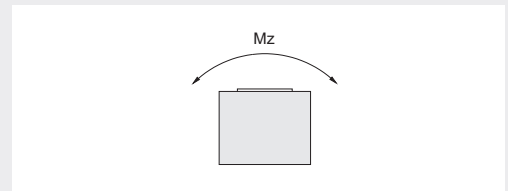
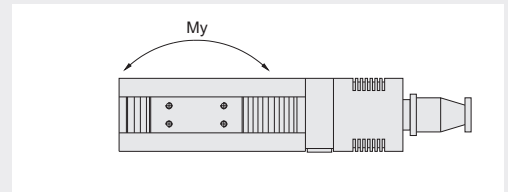
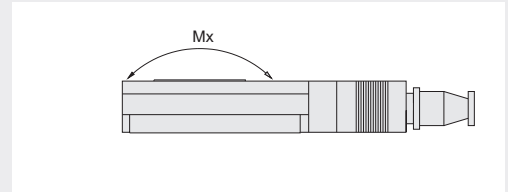
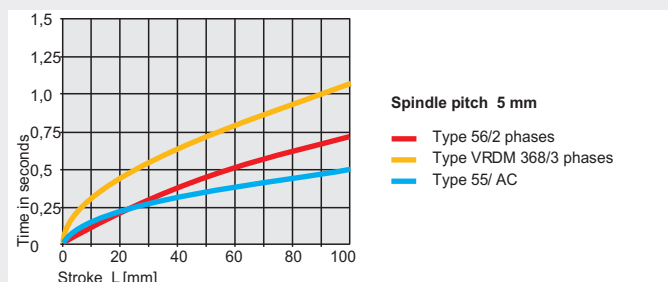
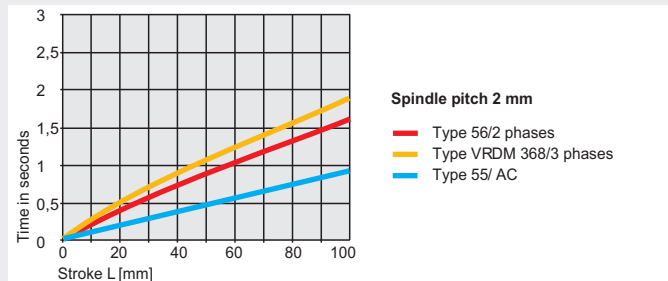
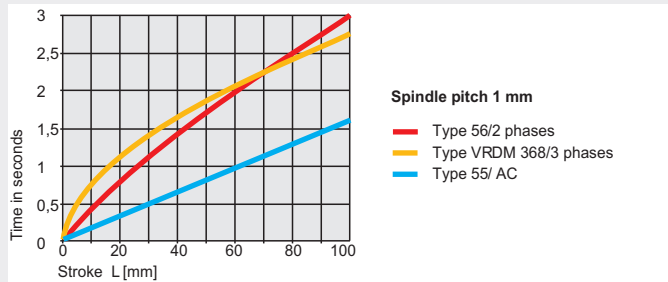
C = theoretic static load at central force and middle standing slide  
 m = slide mass without motor

Ball screw drive data			
Spindle pitch	1 mm	2 mm	5 mm
Diameter	8 mm	8 mm	12 mm
Axial play	Preloaded spindle		
Pitch deviation	5 µm/25 mm	5 µm/25 mm	5 µm/25 mm

Accuracy			
Spindle pitch	1 mm	2 mm	5 mm
Repeating accuracy	2 µm	2 µm	2 µm
Positioning accuracy over 50 mm	10 µm	20 µm	20 µm
Reversing play	1 µm	1 µm	1 µm

### Max. Speed

at a external load of 100 N in horizontal use.



MS 60	56/2P	8x1	75
Type 32/2P			
Type 56/2P			
Type VRDM 368/3P			
Type 55/AC			
Spindle Ø 8x1			
Spindle Ø 8x2			
Spindle Ø 12x5			
Stroke 25 mm			
Stroke 50 mm			
Stroke 75 mm			
Stroke 100 mm			

### Ordering example:

Mini slide with 2 phases  
 stepper motor type 56/2P,  
 8x1 mm spindle pitch,  
 75 mm stroke

### Order number:

**MS 60 56/2 8x1 75**

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