Positioning tables

Series UMB

The UMB Series positioning tables by Meccanica Besnatese are ideal for mechanical automation, designed to deliver maximum reliability with compact dimensions, exceptional rigidity, and smooth operation.
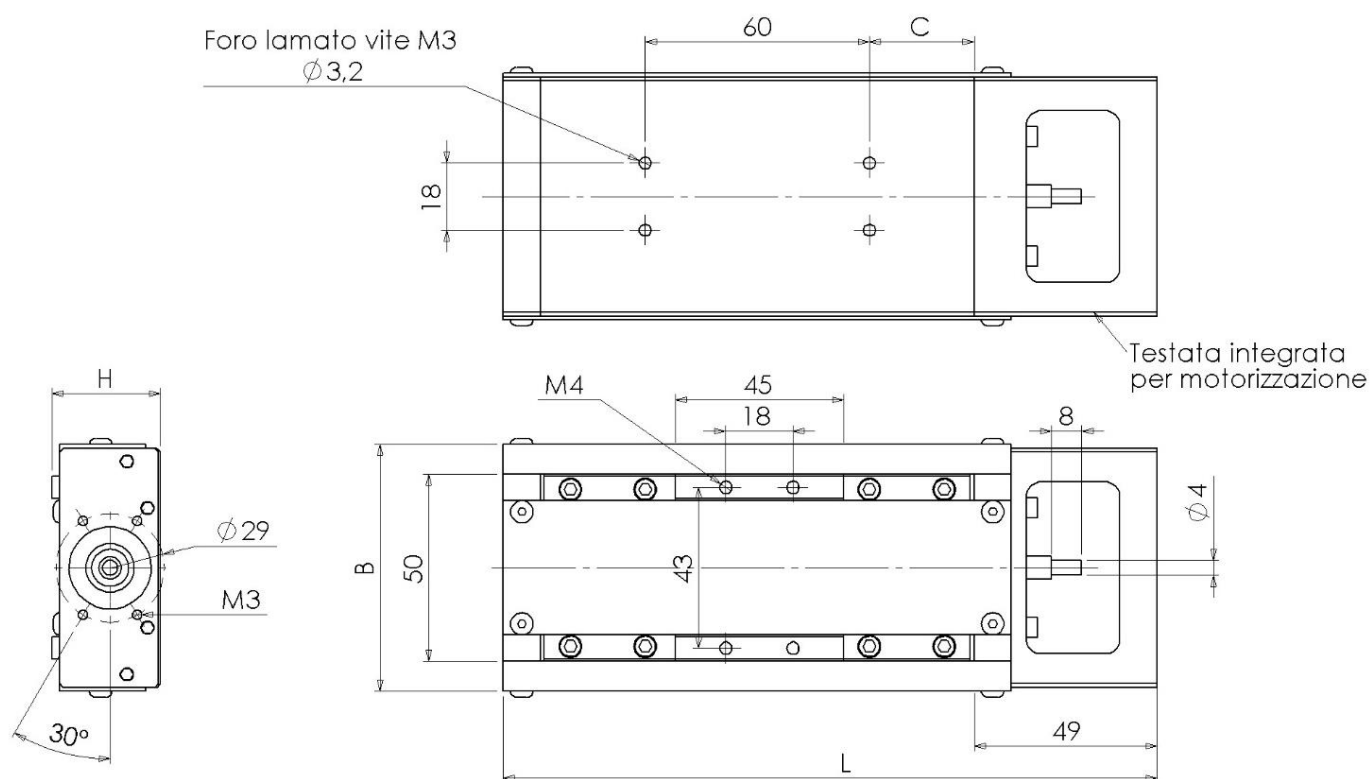
The carriage movement is ensured by mono-guides and recirculating ball bearing slides, which provide zero backlash. The motion is driven by a recirculating ball screw, also ensuring zero axial backlash.

The structure of the smallest model, UMB 60, is made of steel. Larger models are constructed from aluminium alloy with anodized surfaces for enhanced durability and corrosion resistance.

The large cross-section of the tables ensures high torsional stability, while the aluminium covers protect internal components from harmful external agents.

Meccanica Besnatese also offers front flanges that can be customized to fit various motor models, tailored to meet specific customer requirements.

The modular design allows for seamless X-axis and Y-axis coupling without requiring additional interface components.

Model UMB 60

Foro lamato vite M3
Ø 3,2

60   C

18

Testata integrata
per motorizzazione

H

Ø 29

M3

30°

M4   45
18

B   50   43

8

Ø 4

49

L

MODEL	Travel	L	B	H	C
UMB 60 C60	60	175	66	29	28
UMB 60 C100	100	215	66	29	48

Values in mm

MODEL UMB 60				
SCREW		**GUIDES**	**TABLE**	**PROTECTIONS**
Ø	**step**			
8 mm	1 mm	Recirculating ball micro-guides Sz. 9	Steel with burnished surfaces	Sheet metal protections

Certified according to
ISO 9001:2015

Model UMB 90
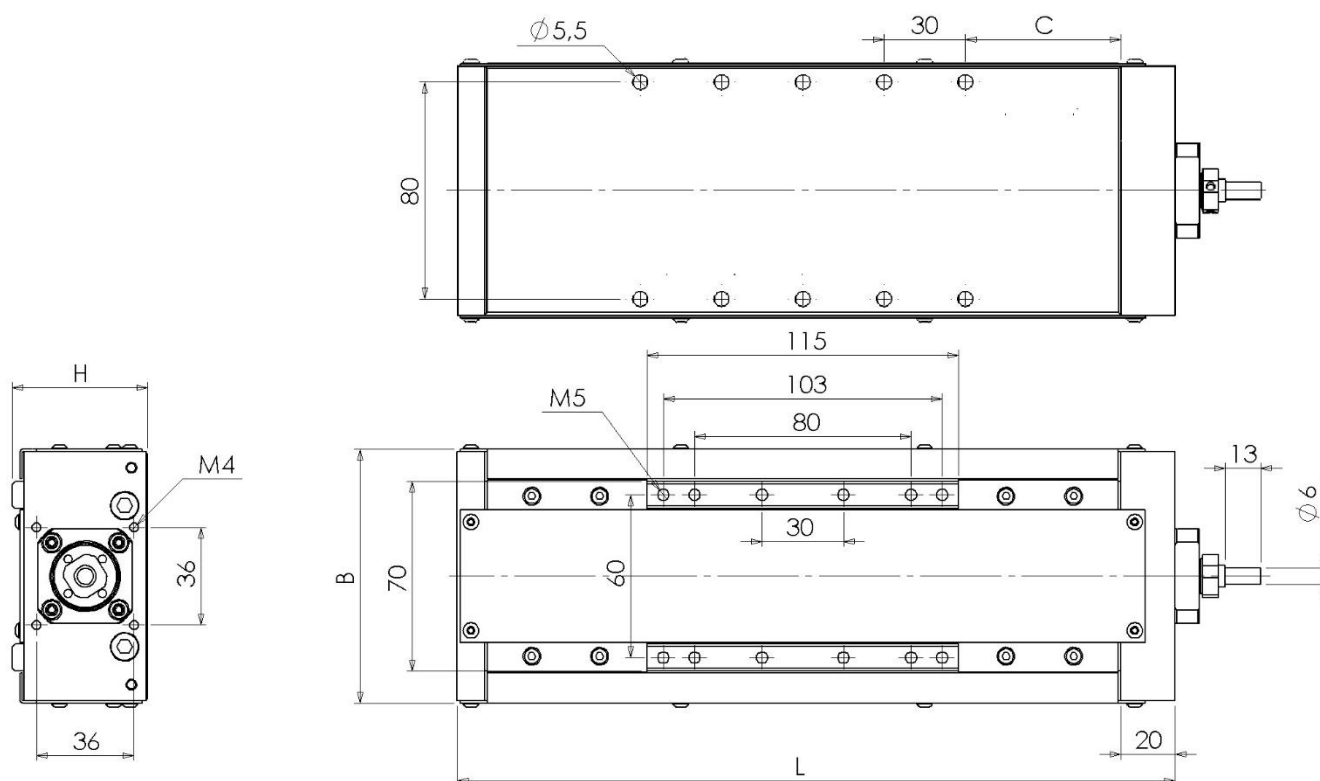
MODEL	Travel	L	B	H	C
UMB 90 C100	100	265	90	50	57,5
UMB 90 C200	200	365	90	50	62,5
UMB 90 C300	300	465	90	50	67,5

Values in mm

MODEL UMB 90				
SCREW		GUIDES	TABLE	PROTECTIONS
Ø	step			
12 mm	5 mm	Recirculating ball micro-guides Sz. 12	Aluminium with anodized surfaces	Aluminium protections

Certified according to
EN 9100:2018, AS9100D, JISQ 9100:2016

Model UMB 120
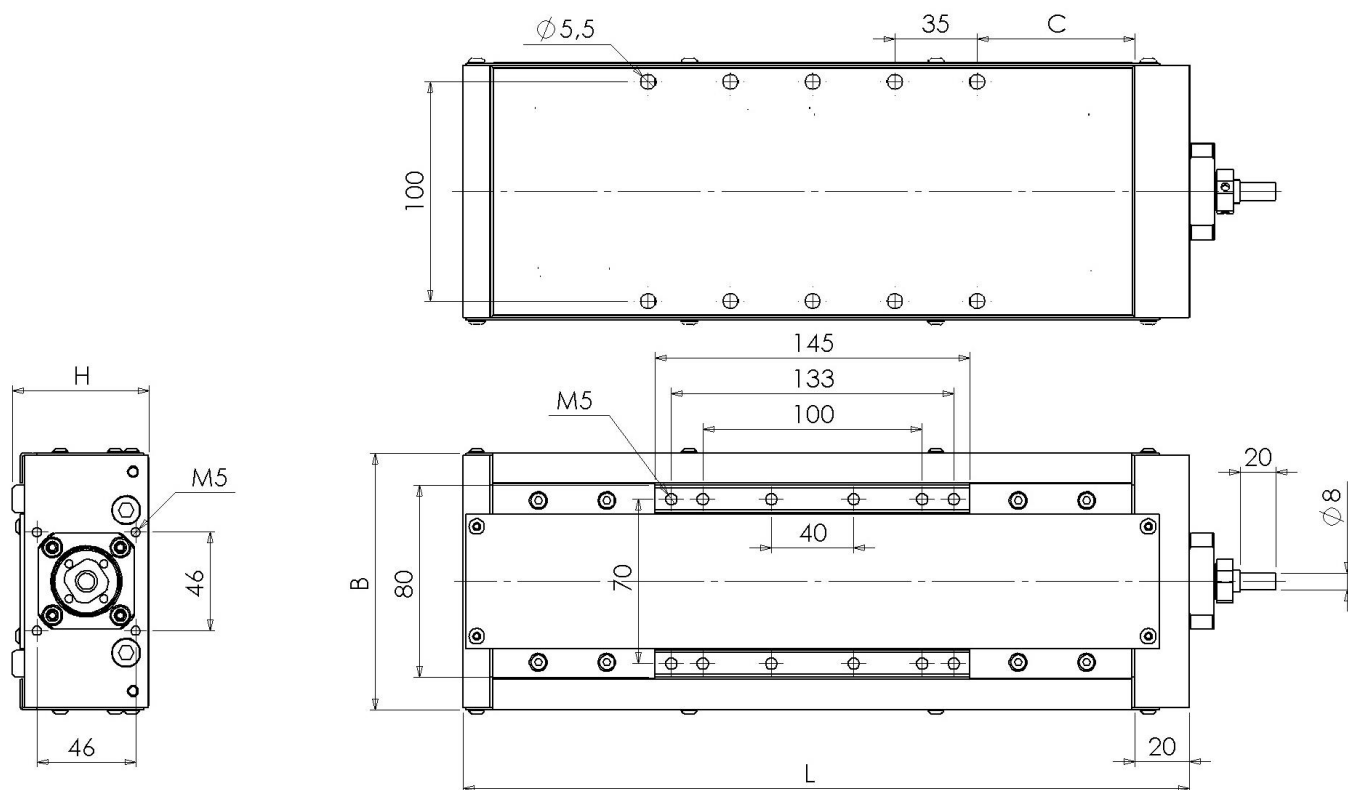
MODEL	Travel	L	B	H	C
UMB120 C120	120	335	120	65	47,5
UMB 120 C220	220	435	120	65	62,5
UMB 120 C320	320	535	120	65	77,5

Values in mm

MODEL UMB 120				
SCREW		GUIDES	TABLE	PROTECTIONS
Ø	step			
16 mm	5 mm	Recirculating ball micro-guides Sz. 15	Aluminium with anodized surfaces	Aluminium protections