



# Standard Linear tables

## TC series

The tables manufactured by Meccanica Besnatese range from small to large-size systems, in compliance with standard instructions. Just as for manufacturing on third parties account, the company is ready to accomplish mass-produced work orders in a limited number up to single units.

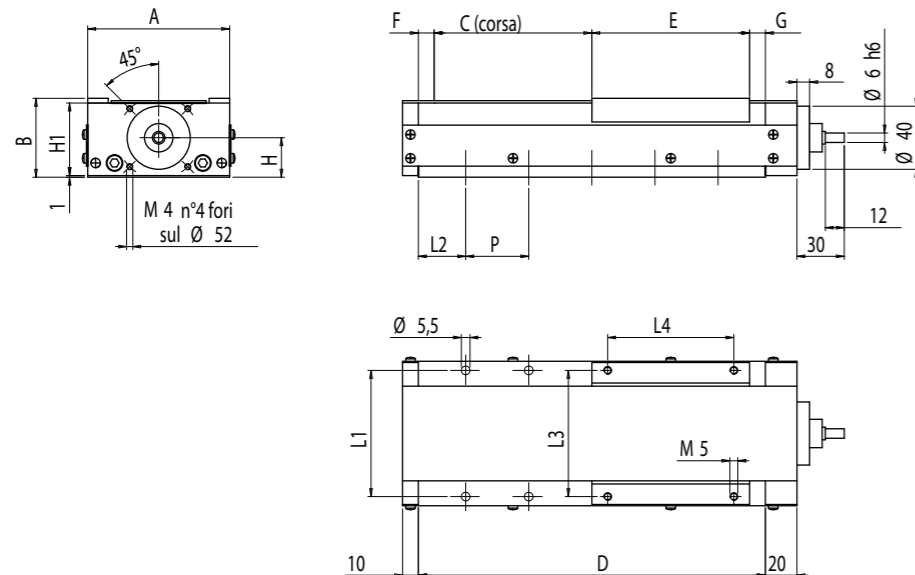
The components in use are purchased from the most qualified suppliers to offer customers a top-quality finished product for easy replacement.

The tables included in the catalogue are generally used for positioning and handling light objects and if no high level of accuracy and rigidity is required, they can offer an excellent quality/price ratio.

## Tables TC series

Anodized aluminium structure, ball screw control, guides with bearing sliders, sheet rigid protections

### OVERALL DIMENSIONS AND FASTENING



TYPE OF TABLE		Dimensions (mm)												
		A	B	C	D	E	F-G	H	H1	L1	L2	P	L3	L4
TC 90	100			100	220						2x30	4x40		
	200	90	50	200	320	100	10	25	46	80	2x40	3x80	80	80
	300			300	420						2x50	4x80		
TC 120	120			120	280							4x50		
	220	120	66	220	380						3x100			
	320			320	480	120	20	35	62	100	2x40	4x100	100	100
	420			420	580							5x100		

### FEATURES OF THE SCREWS

TABLE	Type of screw	Diam. mm	Pitch mm.	Accuracy rating	e/300 mm	Max. axial clearance mm.	Load (N)	
							stat.	dyn.
TC 90	rettif.	16	5	IT7	0,06	0,02	4900	4000
TC 120								

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### MOVEMENT LINEARITY ACCURACYS

Table TC90 / 120	Travel mm.		
	< 150	150 - 300	> 300
Accuracy mm.	0,04	0,05	0,06

Measurement on the horizontal or vertical surface of the table; maximum values expressed in millimetres

### TOTAL WEIGHTS AND WEIGHTS OF THE TROLLEYS, ACCORDING TO TRAVELS EXPRESSED IN KG.

TYPE OF TABLE	Travel mm.			
TC 90	100	200	300	
Total weight Kg	2,9	3,5	4,1	
Trolley weight Kg	0,9			
TC 120	120	220	320	420
Total weight Kg	4,5	5,5	6,5	7,5
Trolley weight Kg	1,15			

- Linear velocity** of the table: max. 300 mm/sec.
- Repositioning repeatability:** +/- 0.03 mm
- Resolution:** according to the controlling and measuring system in use (e.g. pitch 8/400 pulses per revolution = 0.02 mm)

### Accessories UPON REQUEST

- Motor support
- Direct assembly: support + joint for motor connection
- Indirect assembly: by means of a drive plate with pulleys and a positive drive belt, velocity ratio 1:1 – 1:2 or others.
- Assembly of tables in the x-y position.
- This type of assembly can be directly accomplished by overlapping the base of a table on the trolley of another one without any intermediate element.
- Limit stop (for mod. Tc120 only)
- 2 inductive proximity switches applied inside the table + flying cable.





Certified according to  
EN 9100:2018, AS9100D, JISQ 9100:2016  
ISO 9001:2015



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