



Custom linear tables

TV3P and TV4P series

The linear tables TV3P and TV4P represent the natural evolution of the TV series, both from the dimensional point of view and the obtainable performances; they bear high loads, with maximum rigidity and precision, in the field of mechanical machining or other heavy uses. The structures are made of steel, the work surfaces and the support surfaces of the guide systems are rectified; the carriage moves through profiled guides with roller skates, movement control with preloaded precision ball screw. Particular attention was dedicated to protection systems to protect the components even in the most extreme working conditions against the penetration of harmful agents such as shavings or liquids. Inside the structure there is a centralized system for the lubrication of the moving parts, with dispensers that optimize the quantity of lubricant. The project, which also exploits the modularity of the components, it allows the creation of dedicated variants for specific user needs.

Dimensions and features

Table TV3P/T with telescopic protections

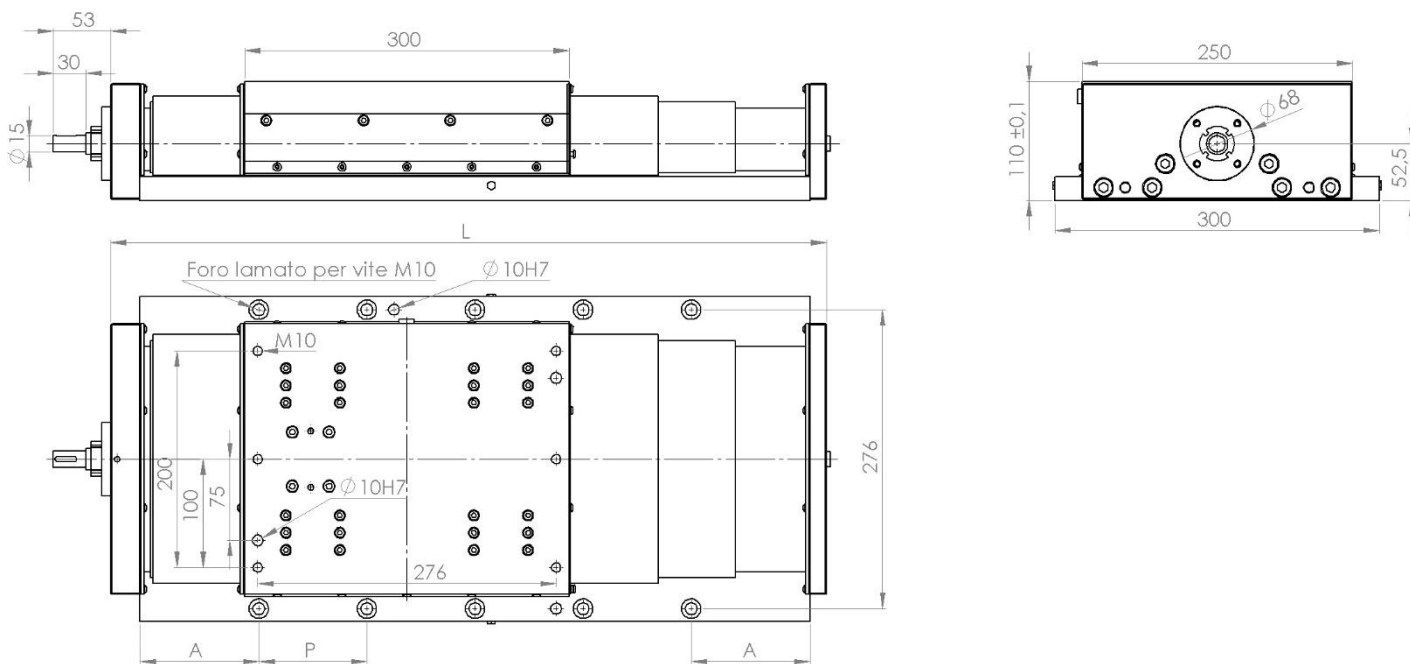


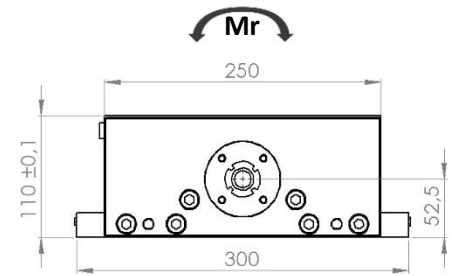
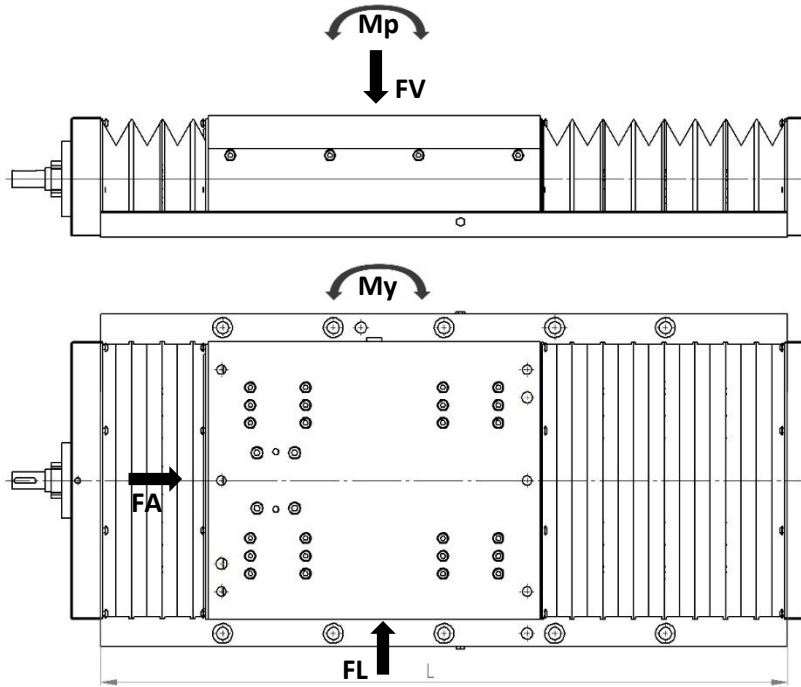
Table	Stroke	L	A	P	Weight
TV3P_C100_T	100mm	620mm	110mm	4 x 100mm	80Kg
TV3P_C150_T	150mm	670mm	35mm	6 x 100mm	85Kg

Table	Screw					
	Type	Ø x pitch	Accuracy degree	Static load max (FA)	Dynamic load max (FA)	RPM max
TV3P_C100	RDS pre-loaded ball screw with zero axial clearance	25 x 5	ISO 3	37,7 kN	21,6 kN	4500 rpm
TV3P_C150						3500 rpm

To guarantee perfect conditions of use, the TV3P tables are implemented with a centralized oil lubrication system connected to skates and screw

Dimensions and features

Table TV3P/S with bellows protections



*The dimensions of the TV3 table with bellows protections are the same as the one with telescopic protections, (the stroke increases because the bellows has a smaller "packing" compared to the telescopic one)

Table	Stroke*	L
TV3P_C100_S	200mm	620mm
TV3P_C150_S	250mm	670mm

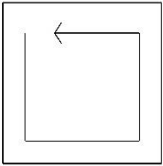
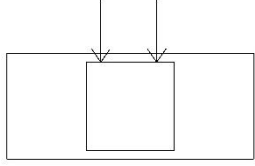
Construction tolerance values				
Table	Carriage levelness	Value	Parallelism carriage with base	Value
TV3P		40 µm		30 µm

Table	Guides					
	Type	Static load max (FV=FL)	Dynamic load max (FV=FL)	Mp = My	Mr	Carriage weight
TV3P_C100	Guides with four skates size 20mm	252 kN	107,5 kN	22 kN x m	17,2 kN x m	25 Kg
TV3P_C150						

The types of screws and runners are the same for both the TV3P/T table and the TV3P/S table

Dimensions and features

Table TV4P/T with telescopic protections

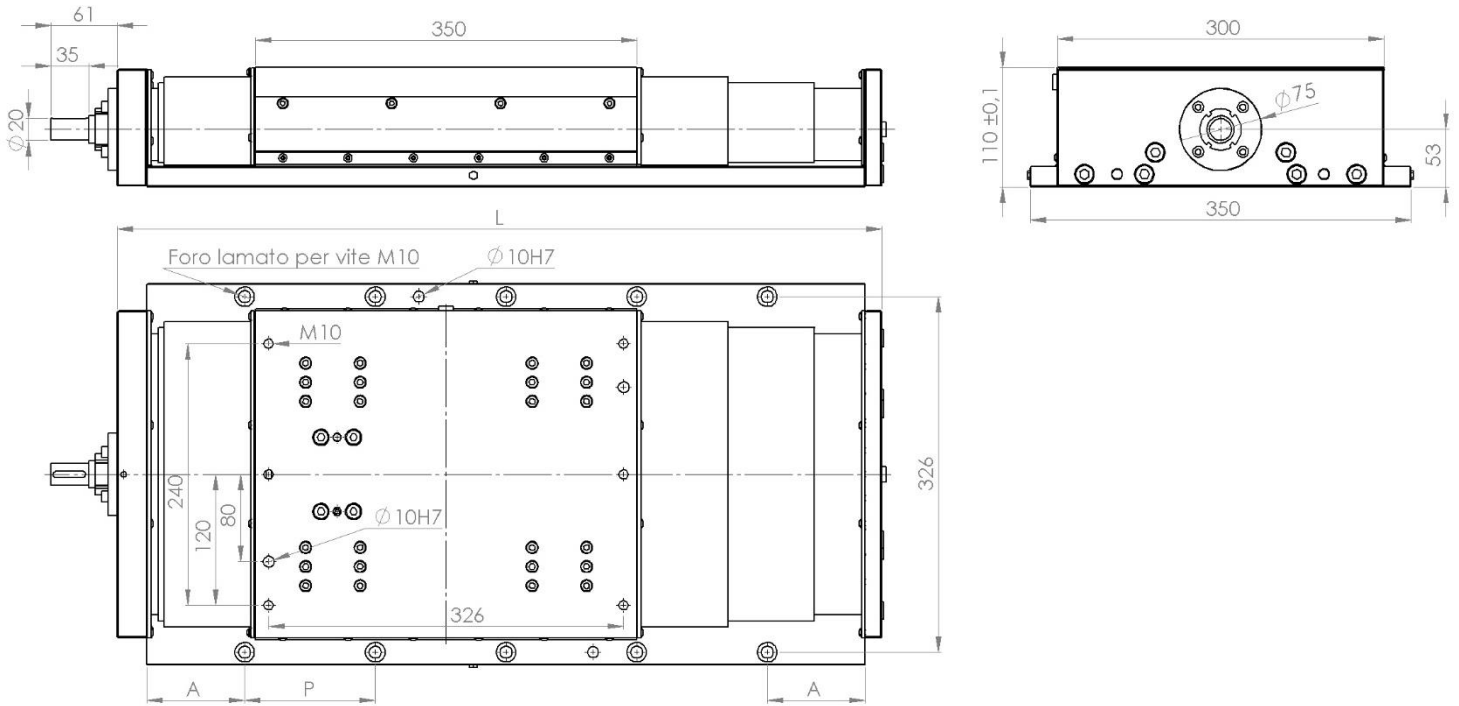


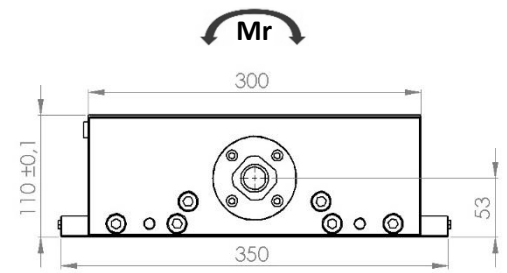
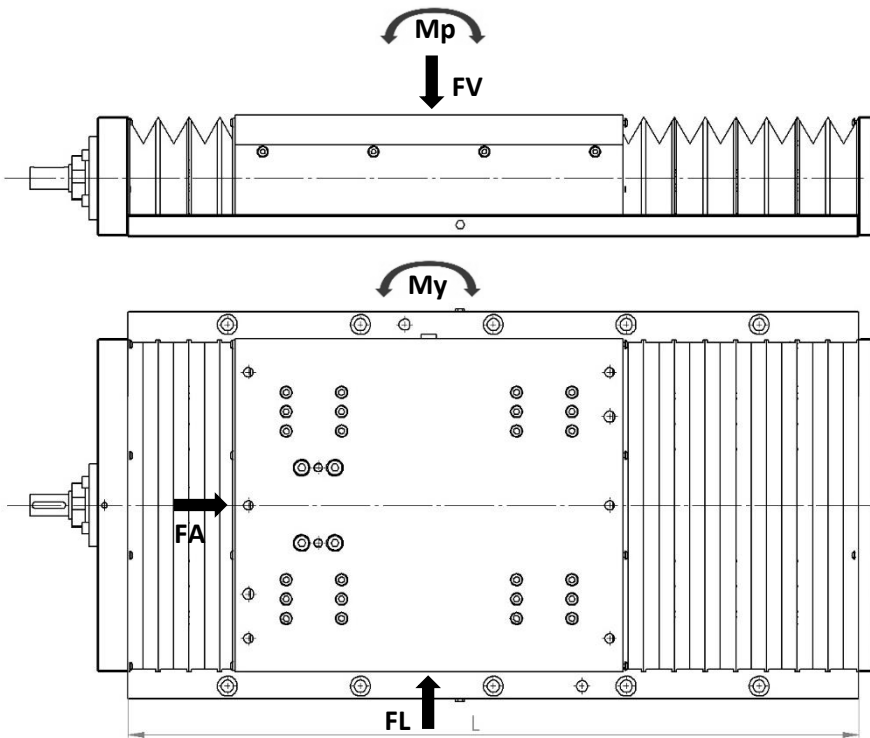
Table	Stroke	L	A	P	Weight
TV4P_C100_T	100mm	660mm	90mm	4 x 120mm	98Kg
TV4P_C200_T	200mm	760mm	20mm	6 x 120mm	106Kg

Table	Screw					
	Type	Ø x pitch	Accuracy degree	Static load max (FA)	Dynamic load max (FA)	RPM max
TV4P_C100	RDS pre-loaded ball screw with zero axial clearance	32 x 5	ISO 3	48,7 kN	24,1 kN	3500 rpm
TV4P_C200						2100 rpm

To guarantee perfect conditions of use, the TV4P tables are implemented with a centralized oil lubrication system connected to skates and screw

Dimensions and features

Table TV4P/S with bellows protections



*The dimensions of the TV4 table with bellows protections are the same as the one with telescopic protections, (the stroke increases because the bellows has a smaller "packing" compared to the telescopic one)

Table	Stroke*	L
TV4P_C100_S	200mm	660mm
TV4P_C200_S	300mm	760mm

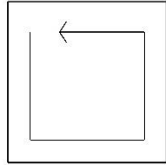
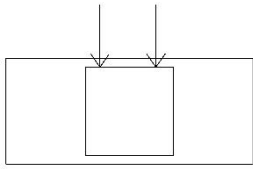
Construction tolerance values				
Table	Carriage levelness	Value	Parallelism carriage with base	Value
TV4P		40 μm		40 μm

Table	Guides					
	Type	Static load max (FV=FL)	Dynamic load Max (FV=FL)	Mp = My	Mr	Carriage weight
TV4P_C100	Guides with four skates size 25mm	293,5 kN	135,5 kN	30,5 kN x m	24,8 kN x m	35 Kg
TV4P_C200						

The types of screws and runners are the same for both the TV4P/T table and the TV4P/S table



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



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