

HTML180 heavy-load worktable

TML180 · HTML heavy-load worktable

Use the dimensions and motion rows for the exact model. Keep load, speed and positioning conditions together when comparing candidates.



TML series illustration

Reviewed specifications · 750 W motor

Parameter	Value
Permissible overhang moment MP	810 Nm
Permissible overhang moment MR	520 Nm
Permissible overhang moment MY	810 Nm
Horizontal load	150 kg
Horizontal load	50 kg
Horizontal load	100 kg
Horizontal load	80 kg
Vertical load	35 kg
Vertical load	60 kg
Vertical load	100 kg
Vertical load	80 kg
Maximum speed	2000
Maximum speed	250
Maximum speed	1000
Maximum speed	500
Motor power	750 W
Screw outer diameter	20 mm
Movement distance	10-1200 mm
Ordering example (reference)	TML180-L10-S150-BD-P750W-B
Repeatability (as printed)	+0.02/0.01 mm
Main table lead reference	5/10/20/40 mm
Source power difference	Main table750W vs overview selection100W.

A unit is printed only where the source states one.

Engineering reference

Installation drawings are in the separate dimension atlas.

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Overhang limits, horizontal

Printed lead/load	A(mm)	B(mm)	C(mm)
Lead50 · 5kg	1940 mm	1285 mm	1264 mm
Lead50 · 10kg	1490 mm	1125 mm	1120 mm
Lead50 · 15kg	1210 mm	1045 mm	1048 mm
Lead25 · 5kg	1938 mm	1283 mm	1260 mm
Lead25 · 10kg	1488 mm	1122 mm	1117 mm
Lead25 · 22kg	1235 mm	1041 mm	1045 mm
Lead10 · 15kg	1392 mm	1076 mm	1079 mm
Lead10 · 25kg	1182 mm	1020 mm	1025 mm
Lead10 · 30kg	1111 mm	956 mm	750 mm
Lead05 · 30kg	1111 mm	956 mm	750 mm
Lead05 · 50kg	565 mm	560 mm	530 mm
Lead05 · -	- mm	- mm	- mm

A/B/C distance directions correspond to the original installation diagrams, not 0°/45°/90° and not speed. All source rows including dash row are retained.

The distance source prints Lead50/Lead25 while this model main table lists other lead values;
no lead mapping is inferred.

Overhang limits, wall

Printed lead/load	A(mm)	B(mm)	C(mm)
Lead50 · 5kg	1940 mm	1285 mm	1264 mm
Lead50 · 10kg	1490 mm	112b mm	1120 mm
Lead50 · 15kg	1210 mm	1045 mm	1048 mm
Lead25 · 5kg	1938 mm	1283 mm	1260 mm
Lead25 · 10kg	1488 mm	1122 mm	1117 mm
Lead25 · 22kg	1235 mm	1041 mm	1045 mm
Lead10 · 15kg	1392 mm	1076 mm	1079 mm
Lead10 · 25kg	1182 mm	1020 mm	1025 mm
Lead10 · 30kg	1111 mm	*6 mm	750 mm
Lead05 · 30kg	1111 mm	956 mm	750 mm
Lead05 · 50kg	565 mm	560 mm	530 mm
Lead05 · -	- mm	- mm	- mm

A/B/C distance directions correspond to the original installation diagrams, not 0°/45°/90° and not speed. All source rows including dash row are retained.

The distance source prints Lead50/Lead25 while this model main table lists other lead values;
no lead mapping is inferred.

Two B cells have nonnumeric/unclear source text: 10kg Lead50=112b, 30kg Lead10=*6(native text). Intended numbers require source confirmation;
neighboring tables are not substituted.

Overhang limits, vertical

Printed lead/load	A(mm)	B(mm)	C(mm)
Lead50 · 5kg	1940 mm	1285 mm	1264 mm
Lead50 · 10kg	1490 mm	1125 mm	1120 mm
Lead50 · 15kg	1210 mm	1045 mm	1048 mm
Lead25 · 5kg	1938 mm	1283 mm	1260 mm
Lead25 · 10kg	1488 mm	1122 mm	1117 mm
Lead25 · 22kg	1235 mm	1041 mm	1045 mm
Lead10 · 15kg	1392 mm	1076 mm	1079 mm
Lead10 · 25kg	1182 mm	1020 mm	1025 mm
Lead10 · 30kg	1111 mm	956 mm	750 mm
Lead05 · 30kg	1111 mm	956 mm	750 mm
Lead05 · 50kg	565 mm	560 mm	530 mm
Lead05 · -	- mm	- mm	- mm

A/B/C distance directions correspond to the original installation diagrams, not 0°/45°/90° and not speed. All source rows including dash row are retained.

The distance source prints Lead50/Lead25 while this model main table lists other lead values; no lead mapping is inferred.

Application notes

Application reference: The source describes steel workbenches for general or clean-room equipment, including CNC, machine-tool and transfer equipment.

Motor installation reference: BD:direct installation;

BL:outside,left;

BR:outside,right;

BM:outside,lower.

Operating condition: Stroke over 600mm may cause resonance; maximum operating speed requires source-table confirmation. No motor RPM condition is printed in this main table.

Allowable overhang reference: The three orientation tables are allowable overhang distances in mm, not speed ratings. Lead50/25 reference rows are distinct from the main lead list on models whose main table does not print those leads.