

AUTOMATIC GAS FILLING MACHINE TGT IS200

Usage:

- fast fixing of thermal insulation boards using TRUTEK TIF60 and TIF90 fasteners
- TRUTEK TIF60 fasteners are dedicated for fixing hard insulation boards made of expanded polystyrene, the so-called foam
- TRUTEK TIF90 fasteners are dedicated for fixing boards and mats of soft insulation, e.g. made of mineral wool
- fixing in concrete, steel, ceramic and silicate full brick
- fixing thermal insulation boards up to 200mm thick



Advantages:

- Work speed – fixing directly to the base material without the need of pre-drilling either the insulation or the base material
- Automatic measured gas discharge from the container, sufficient for approximately 1,200 fixings
- A safety interlock prevents accidental firing of the tool
- The tool is battery powered and a full charge is sufficient for approximately 4,000 fixings at +20°C
- Fast repetition of use allows up to 800 fixings per hour
- No power cord makes the tool more versatile, increases safety and comfort of use

Substrate material:

Concrete and reinforced concrete class max. C30 / 37, structural steel rolled for heat, full face, full strength, b block of silicon and hollow steel, hollow silicon

Technical data of the TGT IS200 nailer

Tool weight	3,3kg
Tool length	530mm
Guide diameter	6,3mm
Max. connector length	200mm
Nail gun power	90J



Technical parameters of the TIF60 and TIF90 pins

Product Code	Substrate material	Insulation material	Pin Colour	Disc diameter	Insulation thickness	Nail Dia. and length	Effective nail depth	Pin length
				d [mm]	t _{fix} [mm]	d _g x L _{g,red} [mm]	h _{ef} [mm]	L [mm]
TIF60080	concrete silicate block full brick	expanded polystyrene styrofoam	white	60	80	stepped nail 3,2/3,7x52	18-25	75
TIF60100					100			95
TIF60120					120			115
TIF60140					140			135
TIF60150					150			145
TIF60160					160			155
TIF60180					180			175
TIF60200					200			195
TIF90080	concrete silicate block full brick	mineral wool	black	90	80	stepped nail 3,2/3,7x52	18-25	80
TIF90100					100			100
TIF90120					120			120
TIF90140					140			140
TIF90150					150			150
TIF90160					160			160
TIF90180					180			180
TIF90200					200			200

Recommended load capacities for TIF pins in concrete of min. Class C20 / 25

Connector designation	TIF
Effective embedment depth h_{ef} [mm]	18-25
Recommended pull-out load capacity N_{rec} [kN]	0,3
Recommended shear capacity V_{rec} [kN]	0,3
Stud spacing S_{min} [mm]	75
Distance from the edge C_{min} [mm]	75
Recommended number of pins on $1m^2$ [szt/m ²]	4
Minimal substrate thickness h_{min} [mm]	100
Type gas gun TRUTEK	TGT IS200 or LV600M*

* the LV600M fastener should be equipped with a guide for LV60017 insulation pins, the maximum length of the pin can be mounted with LV600M with a guide for insulation pins is 160mm. The entire European Technical Assessment ETA should be considered when designing



Gas charges

Product Code	Description	Weight [g]	Capacity [ml]	Number of pieces in packaging
TGC-1655	gas for the fastening tool	40	80	20

The 80ml gas container is sufficient for approx. 1000 seats

