

FGC 100 Declaration of conformity

We declare under our sole responsibility: This gas actuated fastening tool, FGC 100, complies with all relevant requirements of the directives and standards *1). Technical data *2)



03.02.2020
 Florian Birkenmayer
 Head of the Board of Directors fixing systems division and
 Managing Director Development and Product Management



fischer fixings UK Ltd. Whitely Road, Wallingford, Oxon, OX10 9AT, UK.

We declare that the FGC 100 product conforms with the standard or other standard documents. In accordance with the provisions of the EC directives.

*1)

ISO 8662-11+A1,
 EN 60745-1+A11,
 EN 60745-2-16,
 EN 55014-1+A2,
 EN 55014-2,
 EN 50581,
 EN ISO 12100
 EN ISO 11148-13
 EN 15895 (Annex D)
 (additional for battery charger):
 EN 60335-1+A13
 EN 60335-2-29+A11
 (additional for battery):
 EN 62133

*2)

Model name:	FGC 100
Type of tool:	Gas Nailer
Dimensions (L x W x H):	336 x 121 x 404 mm
Weight	3.5 Kg
Rated input battery charger:	00-240 Vac, 50 Hz
Charge time of battery:	90 mins
Battery capacity:	2500 mAh
Battery voltage:	7.2 Vdc
Operating temperature:	-7 °C (19°F)~ 49 °C (120°F)
Noise characteristic values in accordance with EN 15895 (Annex D), using the basic standards EN ISO 3744 and EN ISO 11201.	
A-weighted sound pressure level at workstation, LEA:	97.9 dB
A-weighted sound power level, LWA:	101.6 dB
Peak C-weighted instantaneous sound pressure level at workstation:	< 130 dB
Measurement uncertainty (standard):	3 dB
Vibration value according to ISO 8662-11+A1:	3.15 m/s ²
Measurement uncertainty (standard):	1.58 m/s ²
Nail specifications:	Angle 0°, diameter 2.6 - 3.0 mm, length 15 - 40 mm, plastic collated.
Nails per strip	12

Loads

Standard nails DFN and high-performance nails DFNH.

Recommended loads¹⁾ of a single nail for multiple use in the respective building material for non-structural applications.

Substrate	Setting depth hef [mm]	Recommended tensile load ¹⁾ Frec [kN]	
		DFN	DFNH
Concrete C20/25	≥ 14	0.10	-
	≥ 16	0.18	-
	≥ 18	0.20	0.22
	≥ 20	0.20	0.50
Concrete C50/60	≥ 14	-	0.12
	≥ 16	-	0.18
	≥ 18	-	0.22
Solid sand-lime brick KS ²⁾ DIN EN 771-2 / KS 16 998 x 200 x 623 mm	≥ 20	0.50	-
	≥ 25	0.68	-
	≥ 27	0.80	-
	≥ 29	0.95	-
Solid brick Mz ²⁾ DIN EN 771-1 / Mz 20, DF	≥ 14	0.10	-
	≥ 16	0.16	-
	≥ 18	0.19	-
	≥ 20	0.19	-
Steel S235JR acc. to EN 10025-2	≥ 8	-	0.96
Member thickness and edge distance for concrete as substrate			
Minimum member thickness	h _{min} [mm]	60	60
Minimum edge distance	c _{min} [mm]	70	70
Member thickness and edge distance for steel as substrate			
Minimum member thickness	h _{min} [mm]	-	4
Minimum edge distance	c _{min} [mm]	-	14
Maximum fixture thickness			
Wood	t _{fix} [mm]	25	25
Metal Sheet	t _{fix} [mm]	2.5	2.5

1) For static and quasi-static load. Required safety factors are considered. Not for safety relevant single point fixings. For hef ≥ 14 mm at least 6 and for hef ≥ 18 mm at least 4 fixing points are required. All visible setting errors must be corrected. Use only in dry areas. To confirm the technical data given here, it is recommended to carry out tests on the construction site. 2) The load values are valid for unperforated solid bricks.

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We declare that the **FGC 100** product conforms with the standard or other standard documents. In accordance with the provisions of the EC directives. Use only with fischer **Battery FGC 100-B 7.2V 2.5Ah** and **Battery Charger-BC**.

Battery charger & accessories



Battery charger Li-Ion battery

Article No.	Article description	Content quantity	Technical description
553588	Battery charger FGC 100 – BC	1	Input 100 – 240 V, Output 8.4 V – 2 A
553415	Li-Ion battery FGC 100-B 7.2V – 2.5Ah	1	> 8,000 fixings per charge
553412	Magazine FGC 100 – M26	1	Capacity of 26 pins, curved
553717	Magazine extended FGC-M50	1	Capacity of 50 pins, curved
554869	EWI Nose piece	1	For the use of fischer EWI plugs TFD 30 and TFD 50
553715	Magnetic nose piece supplement	1	For the use with metal washers
554935	Metal Washer	1008	It prevents fixture pull-over and is used with the magnetic nose piece supplement to fix wire mesh or membranes.