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# 12

## Power tools

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Power Drive F35

140



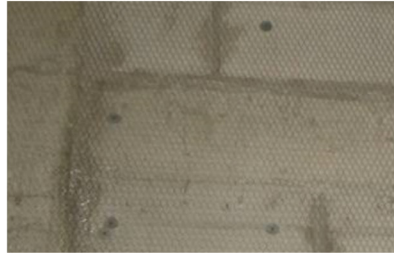
Power Drive F35 - Spare Parts

142

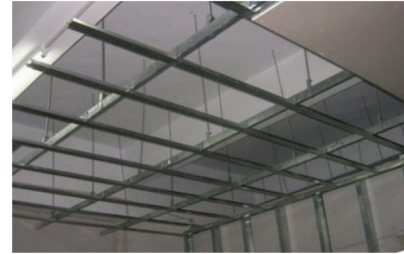


# Power Drive F35

Powder Actuated Power Drive F35 Stud Driver Allows for Easy Installation (8 mm tool)



Wire Mesh Installation on Concrete



Fixing False Ceiling

## Applications

- Installation of wire mesh on concrete
- Fixing of false ceilings and more

## Advantages

- Optimum adaptation with 3 cartridge strengths and 6-step power control.
- Extremely flexible with a large selection of fastener elements for a wide range of fixing applications.
- Short standstill times thanks to extremely simple care and maintenance.
- High performance allowing fastener elements of up to 62 mm in length to be driven in without pre-nailing.

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## Building materials

- Steel
- Concrete
- Solid Bricks
- Lime Bricks

## Certificates



## Technical data



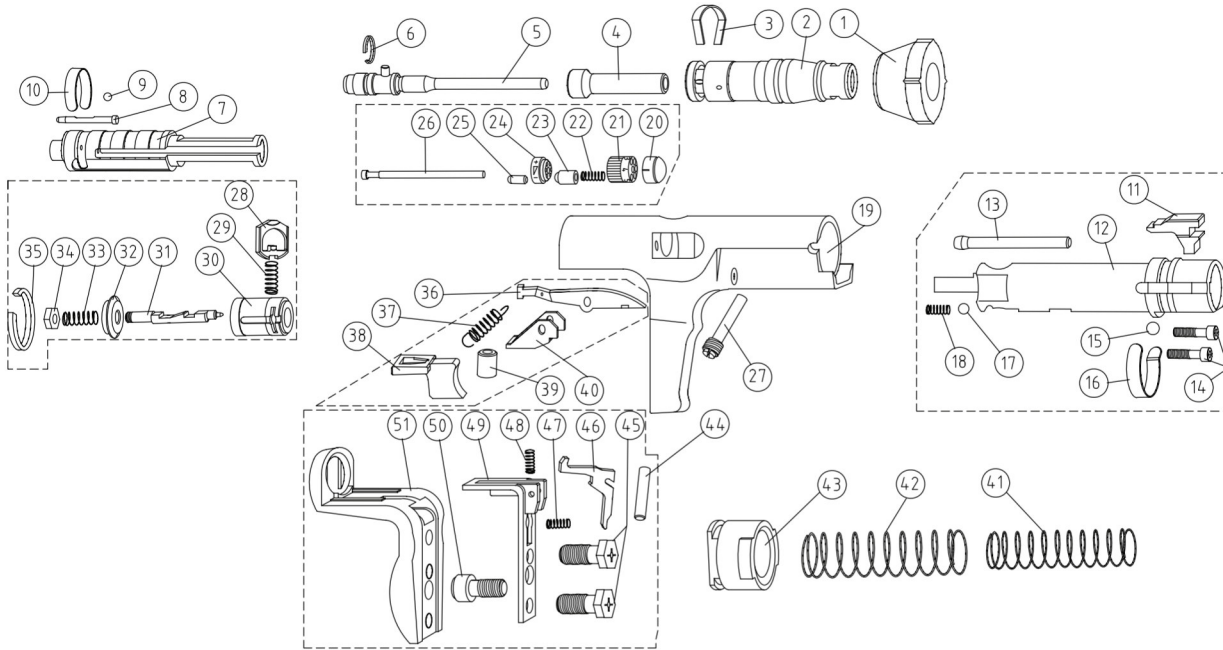
Power drive F35							
Item	Item No.	Weight (kg)	Tool length (mm)	Max. Length of fastener element (mm)	Max. recommended driving frequency (studs/h)	Power control	Sales unit (pcs)
F35	510000	2.35	340	62	500	3 cartridge strengths and 6-step power control by means of regulation knob	1

## Powerdrive F35 - Toolkit



Item	Item No.	Description	Sales unit
1	510003	Stabilizer	1
2	510005	Shear clip	5
3a - 3e	510256	F35 cleaning kit -- 4 x Brushes and 1 x Allen kit	1
4	510017	Steel ball	5
5	510258	Ear protector with strapstabilizer	1
6	510259	Safety goggles, standard model	1
--	510001	F35 transport case	1
--	510002	F35 operating manual (en)	1

# Power Drive F35 - Spare Parts



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## Technical data

Item	Item No.	Description	Sales unit
1	510003	Stabilizer	1
2	510004	Baseplate 2/S-13 Standard	1
3	510005	Shear clip	5
4	510006	Fastener guide 2/F-3 Standard	5
5	510007	Piston body assembly	5
6	510008	Piston ring	10
7	510009	Piston guide	1
8	510010	Regulation pin	10
9	510011	1/8" steel ball	10
10	510012	C clip for piston guide	10
11	510013	Piston stop	10
12	510014	Steel liner assembly	1
13	510015	Pressure pin	10
14	510016	Front allen cap screw M6x25	10
15	510017	Steel ball	5
16	510018	Annular ball spring	10
17	510019	Strip pressure ball	10
18	510020	Compression spring	10
19	510021	Housing	1
20	510022	Decorative bullet head	10
21	510023	Regulation knob	5
22	510024	Compression spring	10
23	510025	Snap for knob head	10
24	510026	Advance lever guide	5
25	510027	Release lever pin	10
26	510028	Release lever pin	10

Item	Item No.	Description	Sales unit
27	510029	Threaded pin	10
28	510030	Sear	10
29	510031	Compression spring	10
30	510032	Spring guide	5
31	510033	Firing pin	10
32	510034	Spring detent	10
33	510035	Compression spring	10
34	510036	Firing pin nut	10
35	510037	Retention ring	10
36	510038	Release lever	10
37	510039	Advance lever spring	10
38	510040	Trigger	5
39	510041	Advance lever bushing	10
40	510042	Advance lever guide	5
41	510043	Firing pin spring (left-hand)	5
42	510044	Firing pin spring (right-hand)	5
43	510045	End cap	5
44	510046	Release lever pin	10
45	510047	Front cap screw	10
46	510048	Release lever	10
47	510049	Compression spring	10
48	510050	Compression spring	10
49	510051	Support strip assembly	10
50	510052	Handle allen screw	10
51	510053	Rubber grip	1
7 - 10	510054	Kit 1: Piston assembly guide	1

# P.A.T - Annexure

General information and compatibility

## Ptb Approval Symbol



The fischer Power Drive F35 Stud Driver is type approved and system-tested. The tool therefore bears the approval symbol of the PTB in square form with the approval number S 818. fischer thereby guarantees the conformity with the approved design. Faults discovered during use must be reported to the responsible head of the approvals authority (PTB) and to the office of the Permanent International Commission for Firearms Testing (C.I.P.).

## Material Suitability



fischer studs marked in this annex are suitable for applications in concrete, solid brick and solid lime-sand brick.



fischer studs marked in this annex are suitable for applications in steel with a thickness of  $\geq 4$  mm.

## Studs In Magazine



fischer studs marked in this annex are supplied in magazines of 10 studs and can only be used in stud drivers having a suitable magazine.

## Fixing in concrete

Effective anchoring depth ( $h_{ef}$ )

For fixtures in concrete, the effective anchoring depth ( $h_{ef}$ ) is the determining factor for the selection of the appropriate fastener element. The effective anchoring depth ( $h_{ef}$ ) is dependent on the compressive strength of the concrete.

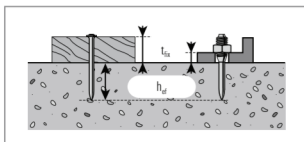
Compressive strength of concrete	Effective anchoring depth ( $h_{ef}$ )
C16/20	30-35 mm*
C20/25	25-30 mm*
C30/37	20-25 mm*

\* The values shown are indicative values. Several test fixings should be carried out in the base material to determine the exact values for the installation situation.

Concrete shaft length of the fastener element

The correct shaft length (L) is determined by the thickness of the part to be fixed ( $t_{fix}$ ) and the effective anchoring depth ( $h_{ef}$ ) using the following formula:

$$L = t_{fix} + h_{ef}$$



For fixtures with stud bolts, the necessary shaft length

corresponds to the effective anchoring depth ( $h_{ef}$ ), the thickness of the part to be fixed ( $t_{fix}$ ) does not have to be taken into consideration.

## Fixing in steel

Effective anchoring depth ( $h_{ef}$ )

For fixtures in steel, the effective anchoring depth ( $h_{ef}$ ) is the determining factor for the selection of the appropriate fastener element. The effective anchoring depth ( $h_{ef}$ ) is dependent on the tensile strength of the steel.

Tensile strength of the steel ( $f_{tk}$ )	Effective anchoring depth ( $h_{ef}$ )
360 N/mm <sup>2</sup>	12 mm
510 N/mm <sup>2</sup>	10 mm

\* The values shown are indicative values. Several test fixings should be carried out in the base material to determine the exact values for the installation situation.

Correct shaft length of the fastener element

The correct shaft length (L) is determined by the thickness of the part to be fixed ( $t_{fix}$ ) and the effective anchoring depth ( $h_{ef}$ ). If proper penetration of the base material is desired, an allowance of 6 mm must be made (see following formulae).

Correct shaft length without penetration of the base material:

$$L = t_{fix} + h_{ef}$$

Correct shaft length with proper penetration of the base material:

$$L = t_{fix} + h_{ef} + 6\text{mm}$$

For fixtures with stud bolts, the necessary shaft length corresponds to the effective anchoring depth ( $h_{ef}$ ) plus 6 mm allowance,

the thickness of the part to be fixed ( $t_{fix}$ ) does not have to be taken into consideration.

$$L = h_{ef} + 6\text{mm}$$

