

# Plasterboard fixing DuoBlade

The self-drilling plasterboard plug for fast and easy installation.



Smoke detectors



Mirrors

## Applications

- Smoke detectors
- Mirrors
- Curtain rods
- Blinds
- Lamps
- Pictures

## Advantages

- An innovative product of the fischer DuoLine with intelligent combinations for more power and more intelligence.
- The self-drilling fischer DuoBlade allows fast and easy installation in gypsum plasterboard and gypsum fibreboard.
- The black metal tip guarantees simple

and safe installation.

- High torque when anchor is installed for the feelgood-factor and an optimum feeling when setting.
- PZ 2 drive - same drive for plug and screw.

## Certificates / Features



reddot design award  
winner 2019

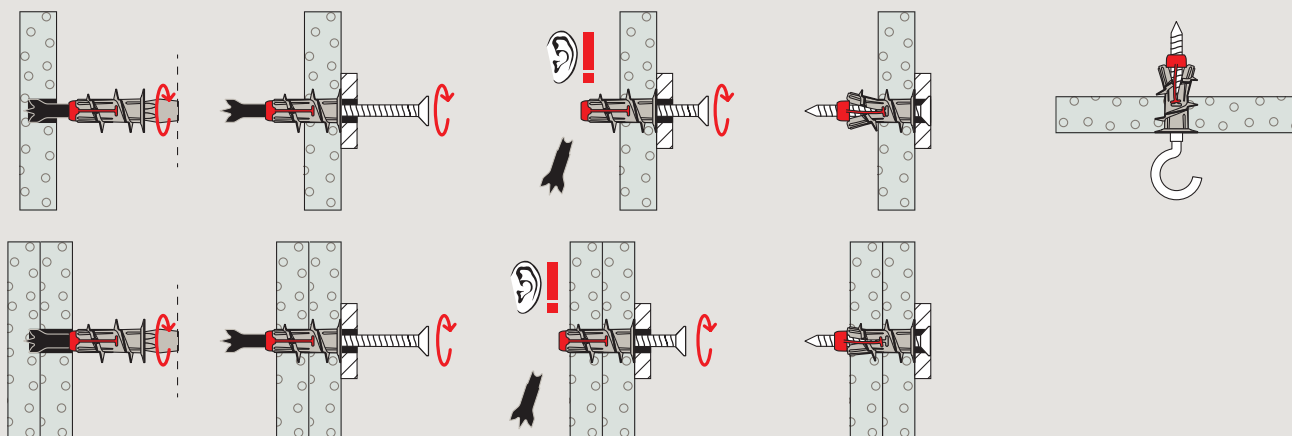
## Building materials

- Gypsum plasterboard, single and double-planked
- Gypsum fibreboard
- Lightweight cement boards

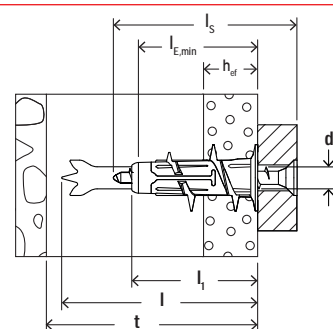
## Functioning

- The fischer DuoBlade is suitable for pre-positioned installation.
- The metal tip for better heat-resistant and cutting characteristics. Especially in double-layered plasterboard.
- The fischer DuoBlade can be used with wood, metal and chipboard screws of Ø4.0 to Ø5.0 mm.
- In gypsum fibreboard, pre-drilling with a drill Ø 8mm is recommended.

## Installation DuoBlade



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## Technical data

### Plasterboard fixing DuoBlade



DuoBlade

DuoBlade S

		Min. thickness to first supporting layer $t$ [mm]	Anchor length $l$ [mm]	Anchor length without drill tip $l_1$ [mm]	Anchorage depth $h_{ef}$ [mm]	Min. bolt penet- ration $l_{E,min}$ [mm]	Wood and chip- board screws $d_s$ [mm]	Drive	Sales unit [pcs]
Item	Item no.								
DuoBlade	545675	50	44	29	9.5 - 25	28	4.0 - 5.0	PZ2	50
DuoBlade S	545676 <sup>1)</sup>	50	44	29	9.5 - 25	28	4.5 x 40	PZ2	25
DuoBlade WH K NV	545685 <sup>2)</sup>	50	44	29	9.5 - 25	28	4.2 x 40	–	1
DuoBlade RH K NV	545686 <sup>3)</sup>	50	44	29	9.5 - 25	28	4.0 x 46	–	1

<sup>1)</sup> With chipboard screw countersunk head.

<sup>2)</sup> With screw with angle hook.

<sup>3)</sup> With screw with round hook.

Loads

Plasterboard fixing DuoBlade		
Recommended loads <sup>1)</sup> for a single anchor.		
Type		DuoBlade
Chipboard screw diameter	[mm]	4.0 - 5.0
Recommended loads in the respective base material F <sub>rec</sub> <sup>2)</sup>		
Gypsum plasterboard	9.5 mm	[kN] 0.08
Gypsum plasterboard	12.5 mm	[kN] 0.10
Gypsum plasterboard (e.g. Knauf Diamant board or Rigips Die Harte)	12.5 mm	[kN] 0.18
Gypsum plasterboard	2 x 12.5 mm	[kN] 0.20
Lightweight cement board	12.5 mm	[kN] 0.08
Gypsum fibreboard	12.5 mm	[kN] 0.34

<sup>1)</sup> Required safety factors are considered. The given loads are valid for chipboard screws with the specified diameters. Valid for installation and use in dry base material for temperatures in the substrate up to +24 °C (resp. short term up to +40 °C).

<sup>2)</sup> Valid for tensile load, shear load and oblique load under any angle.