



fischer DUOPOWER

The Duo power and Intelligence

- Two component material with the best load value in solid hollow material
- The short and compact plug shape reduce drilling work and save material and time
- Self-activating function : expansion, folding, knotting
- Wide range applications



Concrete



Hollow Brick



Aircrete



Brick



Board



fischer  innovative solutions

by **Mr. SAFETY**[®]
your reliable building partner

TECHNICAL DATA

Item description	without screw Item no.	with screw Item no.	Drill bit -nominal- ϕ d_0	min. drill hole depth h_1 [mm]	min. panel thickness d_p [mm]	Plug length l [mm]	Chipboard/ wooden screws $d_s / d_s \times l_s$ [mm]	max. fixture thickness t_{fix} [mm]	Sales unit Units
DUOPOWER 5x25	555005	-	5	35	12.5	25	3 - 4	-	100
DUOPOWER 5x25 S	-	555105	5	35	12.5	25	4 x 35	6	50
DUOPOWER 6x30	555006	-	6	40	12.5	30	4 - 5	-	100
DUOPOWER 6x30 S	-	555106	6	40	12.5	30	4.5 x 40	6	50
DUOPOWER 8x40	555008	-	8	50	12.5	40	4.5 - 6	-	100
DUOPOWER 8x40 S	-	555108	8	60	12.5	40	5 x 60	15	50
DUOPOWER 10x50	555010	-	10	60	12.5	50	6 - 8	-	50
DUOPOWER 10x50 S	-	555110	10	70	12.5	50	7 x 70	13	25

DUOPOWER

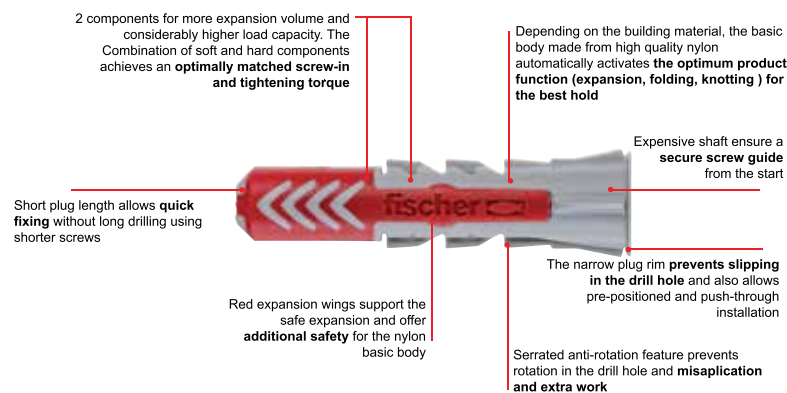
Highest recommended loads¹⁾ of an individual plug.

Load values apply to the use of wood screws according to DIN 571 with the specified screw diameters

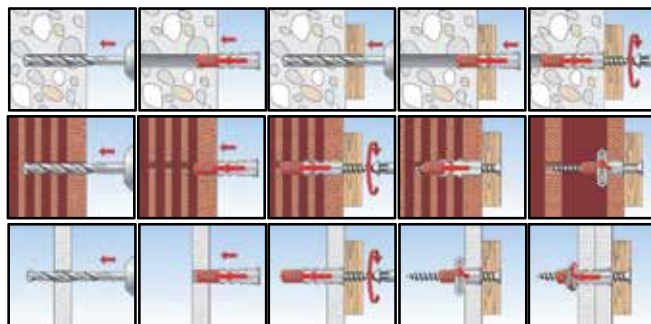
Model		DUOPOWER 5 x 25	DUOPOWER 6 x 30	DUOPOWER 8 x 40	DUOPOWER 10 x 50
Screw diameter	\emptyset [mm]	4	5	6	8
min. edge distance concrete	c_{min} [mm]	30	35	50	65
Recommended load in the respective building material F²⁾					
Concrete	$\geq C20/25$ [kN]	0.30	0.80	0.90	2.00
Solid brick	$\geq Mz 12$ [kN]	0.25	0.40	0.45	1.00
Solid sand-lime brick	$\geq KS 12$ [kN]	0.42	0.80	0.90	1.85
Aerated concrete	$\geq PB2, PP2 (G2)$ [kN]	0.05	0.06	0.08	0.15
Aerated concrete	$\geq PB4, PP4 (G4)$ [kN]	0.20	0.30	0.30	0.45
Vertically perforated brick	\geq Vertically perforated brick 12 ($\rho \geq 0.9 \text{ kg/dm}^3$) [kN]	0.10	0.15	0.20	0.25
Perforated sand-lime brick	$\geq KSL 12 (\rho \geq 1.6 \text{ kg/dm}^3)$ [kN]	0.27	0.50	0.50	0.60
Gypsum wall board	$\rho \geq 0.9 \text{ kg/dm}^3$ [kN]	0.06	0.15	0.20	0.27
Gypsum fibreboard	12.5 mm [kN]	0.17	0.30	0.30	0.35 ³⁾
Gypsum plasterboard	12.5 mm [kN]	0.09	0.12	0.15	0.15 ³⁾
Gypsum plasterboard	2 x 12.5 mm [kN]	0.10	0.12	0.17	0.23
Mattone Forato Type F8	[kN]	0.15	0.16	0.20	0.20
Tramezza Doppio UNI 19	[kN]	0.10	0.10	0.12	0.16

- 1) Includes the safety factor 7
- 2) Valid for tensile load, shear load and oblique load under any angle.
- 3) Chipboard screw 6 mm.

2 components for more expansion volume and considerably higher load capacity. The Combination of soft and hard components achieves an **optimally matched screw-in and tightening torque**



Installation



Application



Call us **NOW** PT. Bersama Bangun Persada to place your order

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