

# Fischer DUOPOWER - Universal dowel for screws

## Product codes:

Reference: AM6476

EAN13: -

UPC: 39259010



## Product features:

## Product attributes:

Size: 6x30, 8x40, 10x50, 12x60, 14x70

## Product description:

The newly developed DUOPOWER dowel consists of two synthetic materials: nylon and polypropylene. Visually, the parts can be distinguished from each other very easily - by their gray and red colors.

The gray part of the dowel, made of high-quality nylon, works in a manner adequate to the building material it meets, thus ensuring the maximum possible load-bearing capacity. The red expansion part is a support for all principles of the dowel's operation and in all cases serves to additionally increase the load-bearing capacity of the dowel.

Depending on the building material, DUOPOWER behaves in the appropriate and most suitable way and thus ensures the highest load-bearing capacity in solid, perforated, as well as board building material. With its capabilities and three principles of operation (knotting, folding or expanding), it opens up new fields of application and application in all known types of building materials compared to ordinary dowels.

## Advantages

- The combination of two different materials for the highest load values and intelligent, spontaneous deformation in an optimal way (expansion, knotting, composition) according to the type of anchoring substrate.
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- The short and subtle shape of the dowel reduces effort and time when drilling.
- The narrow collar prevents the dowel from fitting into the hole.
- Toothed anti-rotation locks on the sides hold the dowel firmly in place.

## Building materials

- Concrete
- Full brick
- Solid sand-lime bricks
- Aerated concrete
- Vertical perforated bricks
- Perforated sand-lime bricks
- Plasterboard
- Plasterboard and gypsum fiber boards
- Hollow panels made of lightweight concrete
- Hollow brick and concrete ceilings, etc.
- Natural stone
- Chipboards
- Drywall boards
- Solid blocks of lightweight concrete

## Principle of function / assembly

- The DUOPOWER dowel is suitable for pre-set and through-hole installation.
- The combination of two different materials, three different types of deformation (expansion, knotting, composition) expands the field of possible applications by other building materials with the highest load-bearing capacity.
- Recommended screw length = dowel length + object thickness + screw diameter
- Suitable for combination with ordinary chipboard screws and combi screws.
- When applied to board materials, the unthreaded part of the screw must not be longer than the thickness of the fixed object.

## Technical details

|                        |      |      |       |       |       |
|------------------------|------|------|-------|-------|-------|
|                        | 6x30 | 8x40 | 10x50 | 12x60 | 14x70 |
| Dowel length:          | 30mm | 40mm | 50mm  | 60mm  | 70mm  |
| Drilled hole diameter: | 6 mm | 8 mm | 10 mm | 12 mm | 14mm  |

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|  |        |      |      |       |       |
|--|--------|------|------|-------|-------|
| Min. depth<br>of the<br>drilled<br>hole: | 40mm   | 50mm | 60mm | 70mm  | 80mm  |
| Wood<br>screw /<br>chipboard:            | 4-5 mm | 6 mm | 8 mm | 10 mm | 12 mm |

Material: nylon / polypropylene

**Product gallery:**

