

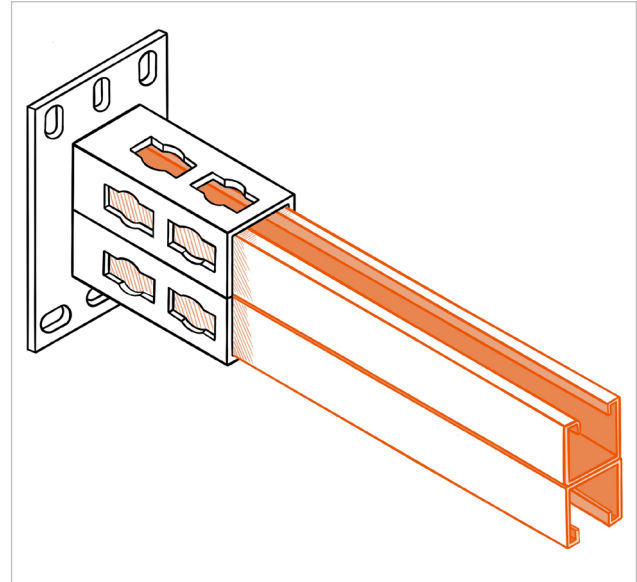
## PF3D G-Strut heavy duty double strut channel

### APPLICATION

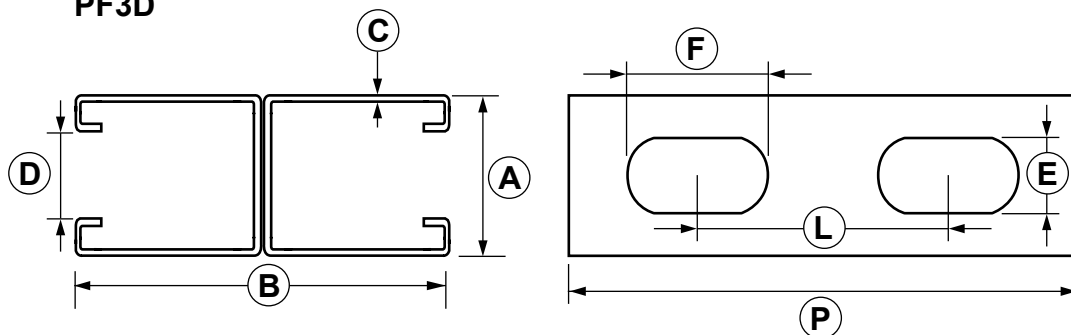
It is used for heavy duty fixings, support brackets, load-bearing frames, and supports for fire protection systems.

### FEATURES AND BENEFITS

- > The folded edges on the rail sides ensure **high resistance to sliding** for connection parts.
- > This kind of strut channel can be connected to different kinds of elements, providing a **wide range of solutions**.
- > Its loops make **fixing easier**.



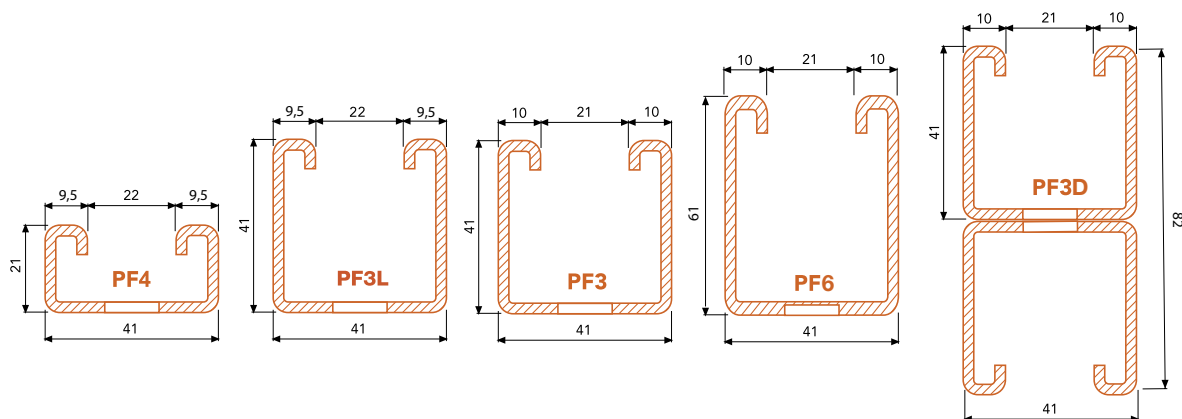
PF3D



| COD    | TYPE     | A  | B  | C   | D  | E  | F  | L  | P    |
|--------|----------|----|----|-----|----|----|----|----|------|
| 160800 | PF3D MT6 | 41 | 82 | 2,5 | 21 | 13 | 30 | 50 | 6000 |

# INDUSTRIAL FIXING SYSTEMS

## G-STRUT CHANNELS

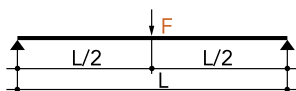


| OUTLINE<br> | THICKNESS<br>mm | WEIGHT<br>kg/mt | SECTION<br>mm <sup>2</sup> | Static parameters related to neutral axes |                       |                       |                       |    |    |    |
|-------------|-----------------|-----------------|----------------------------|-------------------------------------------|-----------------------|-----------------------|-----------------------|----|----|----|
|             |                 |                 |                            | Jx<br>cm <sup>4</sup>                     | Jy<br>cm <sup>4</sup> | Wx<br>cm <sup>3</sup> | Wy<br>cm <sup>3</sup> | A  | B  | C  |
| PF4         | 2               | 1,48            | 165,20                     | 0,91                                      | 4,31                  | 0,82                  | 2,10                  | 30 | 13 | 50 |
| PF3         | 2,5             | 2,56            | 308,01                     | 6,96                                      | 9,62                  | 3,36                  | 4,68                  | 30 | 13 | 50 |
| PF3L        | 2               | 2,06            | 245,10                     | 5,33                                      | 7,71                  | 2,58                  | 3,70                  | 30 | 13 | 50 |
| PF6         | 2,5             | 3,46            | 424,00                     | 18,57                                     | 13,19                 | 5,95                  | 6,43                  | 30 | 13 | 50 |
| PF3D        | 2,5             | 5,12            | 616,02                     | 41,49                                     | 18,98                 | 10,12                 | 9,25                  | 30 | 13 | 50 |

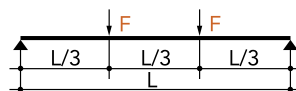
### RECOMMENDED LOADS

Material: carbon steel DX 51 D - Axis x-x test - Complete elastic return - Safety load 140 N/mm<sup>2</sup> (14 Kg./mm<sup>2</sup>)

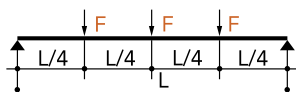
F = concentrated load in daN - Q = uniform load in daN - Maximum deflection L/250



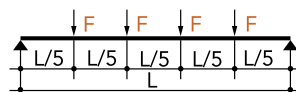
| L = mm. | 500 | 1000 | 1500 | 2000 | 2500 | 3000 |
|---------|-----|------|------|------|------|------|
| PF4     | 100 | 40   | 18   | 10   | 6    | 4    |
| PF3     | 370 | 180  | 120  | 65   | 40   | 30   |
| PF3L    | 295 | 145  | 95   | 52   | 30   | 16   |
| PF6     | 450 | 227  | 160  | 109  | 70   | 48   |
| PF3D    | 585 | 292  | 195  | 146  | 117  | 84   |



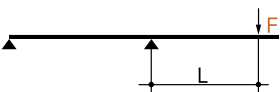
| L = mm. | 500 | 1000 | 1500 | 2000 | 2500 | 3000 |
|---------|-----|------|------|------|------|------|
| PF4     | 80  | 23   | 10   | 5    | 3    | -    |
| PF3     | 280 | 140  | 70   | 40   | 25   | 15   |
| PF3L    | 220 | 110  | 50   | 28   | 16   | 11   |
| PF6     | 300 | 200  | 110  | 70   | 40   | 20   |
| PF3D    | 400 | 250  | 230  | 110  | 60   | 25   |



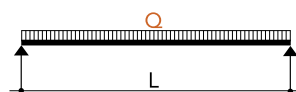
| L = mm. | 500 | 1000 | 1500 | 2000 | 2500 | 3000 |
|---------|-----|------|------|------|------|------|
| PF4     | 53  | 16   | 7    | 4    | 2    | -    |
| PF3     | 150 | 80   | 50   | 25   | 15   | 10   |
| PF3L    | 100 | 50   | 35   | 17   | 10   | 6    |
| PF6     | 180 | 90   | 55   | 37   | 24   | 16   |
| PF3D    | 240 | 130  | 67   | 45   | 31   | 21   |



| L = mm. | 500 | 1000 | 1500 | 2000 | 2500 | 3000 |
|---------|-----|------|------|------|------|------|
| PF4     | 45  | 13   | 5    | 3    | -    | -    |
| PF3     | 110 | 70   | 40   | 20   | 13   | 9    |
| PF3L    | 90  | 45   | 30   | 15   | 8    | 5    |
| PF6     | 160 | 120  | 51   | 33   | 23   | 14   |
| PF3D    | 210 | 190  | 66   | 42   | 30   | 20   |

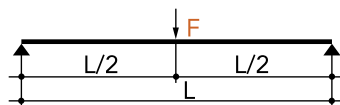


| L = mm. | 500 | 1000 | 1500 | 2000 | 2500 | 3000 |
|---------|-----|------|------|------|------|------|
| PF4     | 52  | 15   | 10   | 5    | 3    | -    |
| PF3     | 110 | 55   | 30   | 20   | 13   | 5    |
| PF3L    | 75  | 25   | 15   | 7    | 5    | 3    |
| PF6     | 135 | 62   | 35   | 25   | 19   | 7    |
| PF3D    | 200 | 90   | 50   | 35   | 25   | 10   |



| L = mm. | 500  | 1000 | 1500 | 2000 | 2500 | 3000 |
|---------|------|------|------|------|------|------|
| PF4     | 200  | 65   | 20   | 8    | 4    | -    |
| PF3     | 700  | 335  | 131  | 55   | 28   | 15   |
| PF3L    | 500  | 180  | 100  | 42   | 20   | 11   |
| PF6     | 900  | 450  | 220  | 110  | 90   | 45   |
| PF3D    | 1200 | 700  | 370  | 270  | 120  | 80   |

MAXIMUM SAFETY LOADS ACCORDING TO THE OVERALL LIGHT FOR MAX DEFLECTION  $<1/200$  - F (daN)



| LIGHT L (mm) |     |      |      |      |      |      |      |                  |      |      |
|--------------|-----|------|------|------|------|------|------|------------------|------|------|
| 500          | 750 | 1000 | 1250 | 1500 | 1750 | 2000 | 2500 | 3000             | 3500 | 4000 |
| Proof test   |     |      |      |      |      |      |      | Deflection limit |      |      |
| 1171         | 780 | 585  | 468  | 390  | 334  | 292  | 234  | 168              | 123  | 94   |

Data expressed in daN. 1 daN=1 kg.

### MATERIALS TECHNICAL DATA

PF3D

Steel DX51D EN 10346 with sendzimir zinc plating

### PACKAGING

In bundle

### RELATED ITEMS

- > PAPD S - Six holes double channel base fitting
- > JBR10 - Quick channel connection bolt
- > PF6 - Heavy duty G-Strut strut channel

### DATE 06-2023 REV. 01

The current technical data sheet substitutes and cancels the previous ones. The details provided fit our current knowledge of the product. It cannot lead us to any sort of responsibility or compensation.

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