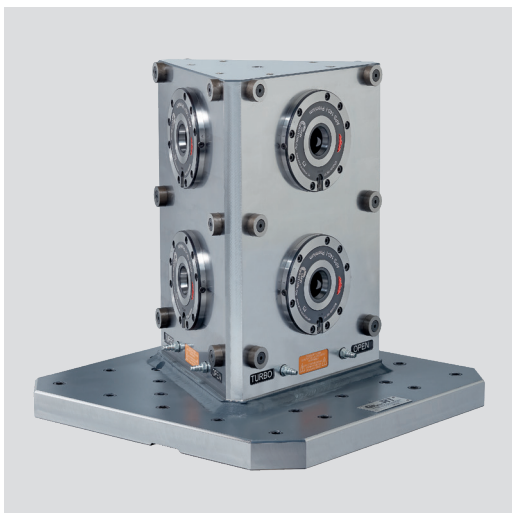


- Modular system
- Highest accuracy and precision



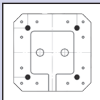
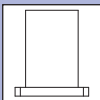
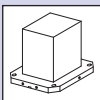
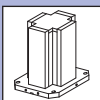
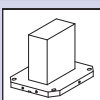
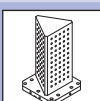
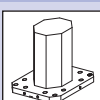
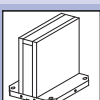
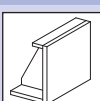
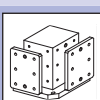
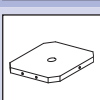
### Application/customer benefits

- Modular system: Wide range of standard products and shortest delivery times
- Highest stiffness and anti-vibration design
- Optimal accessibility of the machine spindle to the workpiece
- Highest accuracy and precision
- High quality thread insert bushes used for grid versions

### Technical features

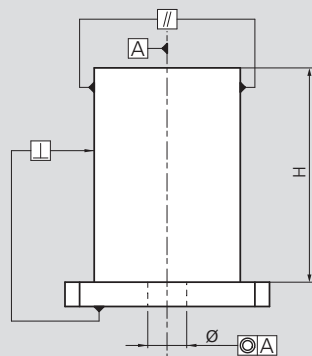
- Steel (optional hardened), aluminium or cast iron
- Suitable for standard machine pallets type DIN 55201 and JIS 6337-1980
- Raw, milled with / without grid bore holes
- Special sizes on request

## Overview

| Product picture                                                                     | Description                                                | Page |
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|   | Dimensions of standard adaptation for machine tools pallet | 243  |
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|  | Tombstones square                                          | 245  |
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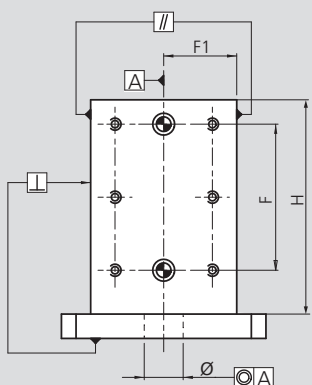
## Tombstones milled



| H       | $\perp$ | $\parallel$ | $\odot$ |
|---------|---------|-------------|---------|
| 500 mm  | 0.020   | 0.020       | 0.020   |
| 1000 mm | 0.035   | 0.035       | 0.035   |

Subject to technical changes.

## Tombstones with grid bore holes for plates

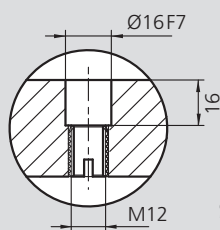


| H       | $\perp$ | $\parallel$ | $\odot$ |
|---------|---------|-------------|---------|
| 500 mm  | 0.020   | 0.020       | 0.020   |
| 1000 mm | 0.035   | 0.035       | 0.035   |

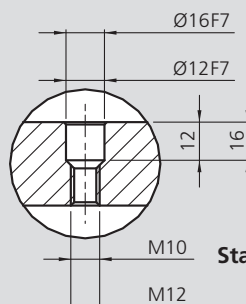
|     |         |             |
|-----|---------|-------------|
| F=  | 300 mm  | $\pm 0.02$  |
|     | 500 mm  | $\pm 0.03$  |
|     | 700 mm  | $\pm 0.04$  |
| F1= | 500 mm  | $\pm 0.015$ |
|     | 1000 mm | $\pm 0.025$ |

Subject to technical changes.

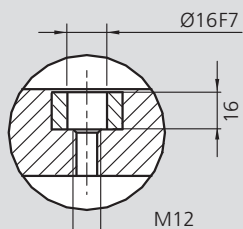
## Tombstones with grid bore holes



Standard for cast iron

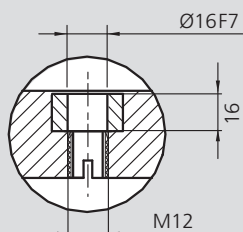


Standard steel and aluminium



Further grid version for aluminium with steel sleeve insert

| H       | $\perp$ | $\parallel$ | $\odot$ |
|---------|---------|-------------|---------|
| 500 mm  | 0.020   | 0.020       | 0.020   |
| 1000 mm | 0.035   | 0.035       | 0.035   |



Further grid version for cast iron with steel sleeve and thread insert

|     |            |            |
|-----|------------|------------|
| i = | 40 - 50 mm | $\pm 0.01$ |
| P = | 300 mm     | $\pm 0.02$ |
|     | 500 mm     | $\pm 0.03$ |
|     | 700 mm     | $\pm 0.04$ |
|     | 1000 mm    | $\pm 0.05$ |

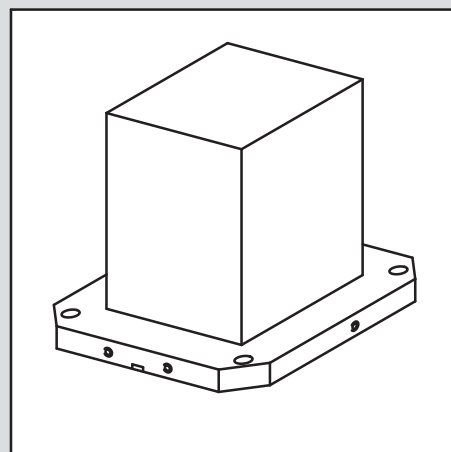
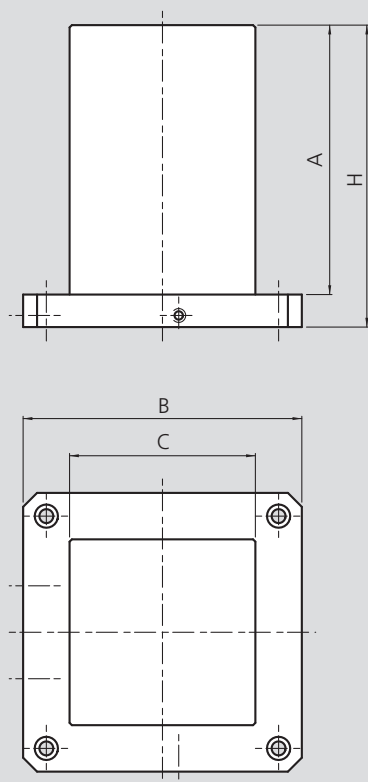
Subject to technical changes.

## Tombstones square

RT

- Steel, aluminium or cast iron
- Raw or milled

Subject to technical changes.



### Tombstones square – STEEL

| Raw<br>Id. No. | Milled<br>Id. No. | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | Weight<br>[kg] |
|----------------|-------------------|-----------|-----------|-----------|-----------|----------------|
| 57006006       | 57006005          | 415       | 300       | 160       | 455       | 81             |
| 57006036       | 57006035          | 620       | 400       | 250       | 660       | 205            |
| 57006056       | 57006055          | 660       | 500       | 350       | 700       | 318            |
| 57006091       | 57006090          | 815       | 630       | 450       | 860       | 524            |
| 57006121       | 57006120          | 945       | 800       | 550       | 1000      | 795            |

### Tombstones square – ALUMINIUM

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|----------------|
| 57306035 | 620       | 400       | 250       | 660       | 80             |
| 57306055 | 660       | 500       | 350       | 700       | 137            |
| 57306090 | 815       | 630       | 450       | 860       | 253            |

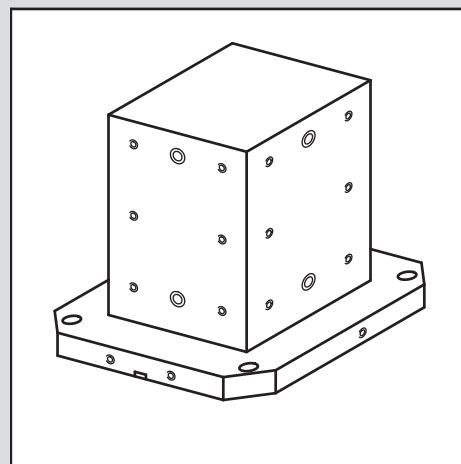
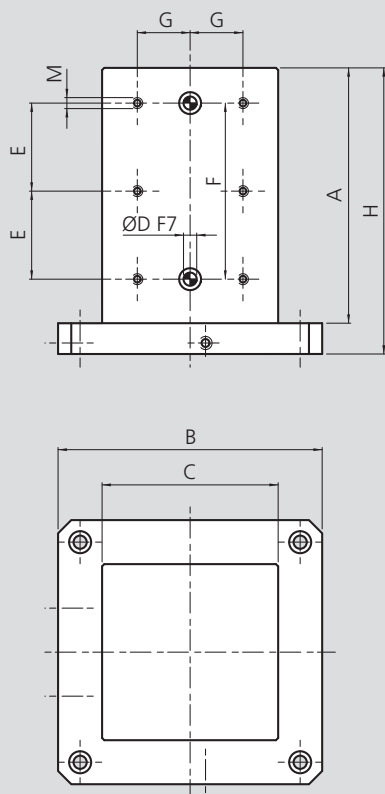
### Tombstones square – CAST IRON

| Raw<br>Id. No. | Milled<br>Id. No. | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | Weight<br>[kg] |
|----------------|-------------------|-----------|-----------|-----------|-----------|----------------|
| 57406036       | 57406035          | 615       | 400       | 250       | 660       | 208            |
| 57406056       | 57406055          | 655       | 500       | 350       | 700       | 329            |
| 57406091       | 57406090          | 810       | 630       | 450       | 860       | 607            |
| 57406121       | 57406120          | 945       | 800       | 550       | 1000      | 808            |

Special sizes on request.

- Steel, aluminium or cast iron
- With grid bore holes for plates

Subject to technical changes.



### Tombstones square – STEEL

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | E<br>[mm] | F<br>[mm] | G<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|----------------|
| 57020015 | 415       | 300       | 160       | 455       | 12          | M10 | 150       | 300       | 40        | 81             |
| 57020045 | 620       | 400       | 250       | 660       | 16          | M12 | 250       | 500       | 75        | 205            |
| 57020065 | 660       | 500       | 350       | 700       | 16          | M12 | 250       | 500       | 125       | 318            |
| 57020100 | 815       | 630       | 450       | 860       | 16          | M12 | 350       | 700       | 175       | 524            |
| 57020130 | 945       | 800       | 550       | 1000      | 16          | M12 | 400       | 800       | 225       | 795            |

### Tombstones square – ALUMINIUM

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | E<br>[mm] | F<br>[mm] | G<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|----------------|
| 57312045 | 620       | 400       | 250       | 660       | 16          | M12 | 250       | 500       | 75        | 80             |
| 57312065 | 660       | 500       | 350       | 700       | 16          | M12 | 250       | 500       | 125       | 137            |
| 57312100 | 815       | 630       | 450       | 860       | 16          | M12 | 350       | 700       | 175       | 253            |

### Tombstones square – CAST IRON

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | E<br>[mm] | F<br>[mm] | G<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|----------------|
| 57412045 | 615       | 400       | 250       | 660       | 16          | M12 | 250       | 500       | 75        | 208            |
| 57412065 | 655       | 500       | 350       | 700       | 16          | M12 | 250       | 500       | 125       | 329            |
| 57412100 | 810       | 630       | 450       | 860       | 16          | M12 | 350       | 700       | 175       | 607            |
| 57412130 | 945       | 800       | 550       | 1000      | 16          | M12 | 400       | 800       | 225       | 808            |

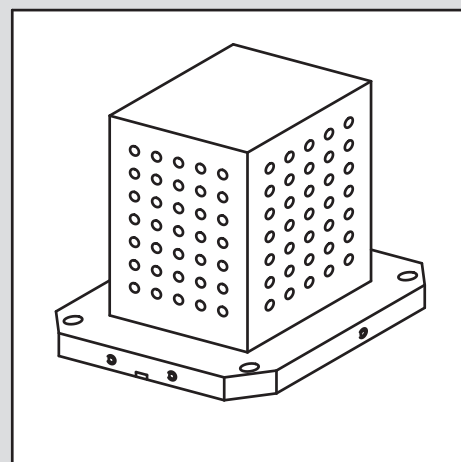
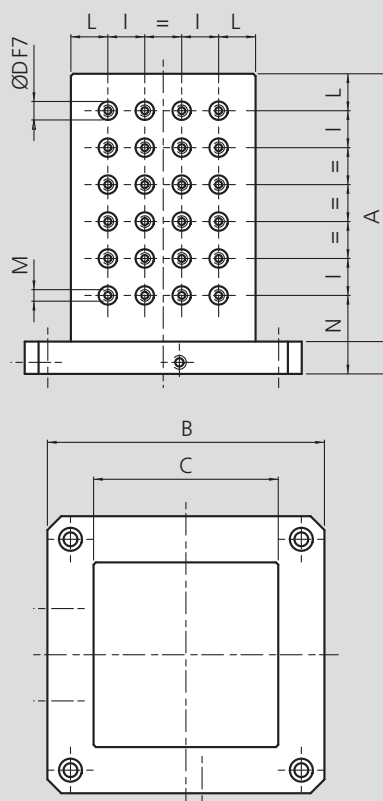
Special sizes on request.

## Tombstones square

RT

- Steel, aluminium or cast iron
- With grid bore holes for plates

Subject to technical changes.



### Tombstones square – STEEL

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | I<br>[mm] | L<br>[mm] | N<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|----------------|
| 57030015 | 415       | 300       | 160       | 455       | 12          | M10 | 40        | 40        | 95        | 79             |
| 57030045 | 620       | 400       | 250       | 660       | 16          | M12 | 50        | 50        | 110       | 198            |
| 57030065 | 660       | 500       | 350       | 700       | 16          | M12 | 50        | 50        | 100       | 307            |
| 57030100 | 815       | 630       | 450       | 860       | 16          | M12 | 50        | 50        | 110       | 506            |
| 57030130 | 945       | 800       | 550       | 1000      | 16          | M12 | 50        | 50        | 100       | 768            |

### Tombstones square – ALUMINIUM

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | I<br>[mm] | L<br>[mm] | N<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|----------------|
| 57313045 | 620       | 400       | 250       | 660       | 16          | M12 | 50        | 50        | 110       | 78             |
| 57313065 | 660       | 500       | 350       | 700       | 16          | M12 | 50        | 50        | 100       | 133            |
| 57313100 | 815       | 630       | 450       | 860       | 16          | M12 | 50        | 50        | 110       | 246            |

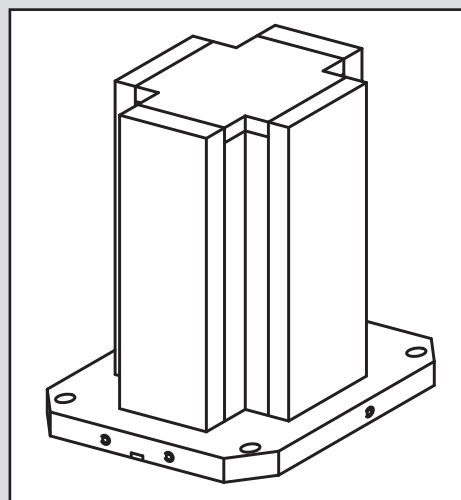
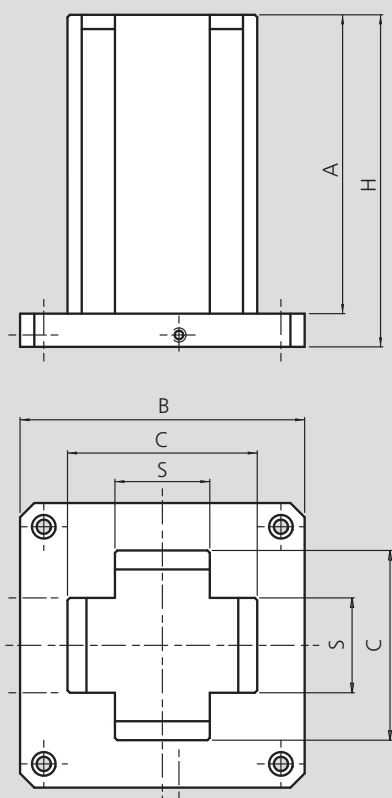
### Tombstones square – CAST IRON

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | I<br>[mm] | L<br>[mm] | N<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|----------------|
| 57413045 | 615       | 400       | 250       | 660       | 16          | M12 | 50        | 50        | 110       | 208            |
| 57413065 | 655       | 500       | 350       | 700       | 16          | M12 | 50        | 50        | 100       | 329            |
| 57413100 | 810       | 630       | 450       | 860       | 16          | M12 | 50        | 50        | 110       | 522            |
| 57413130 | 945       | 800       | 550       | 1000      | 16          | M12 | 50        | 50        | 100       | 808            |

Special sizes on request.

- Steel, aluminium
- Milled

Subject to technical changes.



### Tombstones cross – STEEL

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-----------|----------------|
| 57061010 | 540       | 400       | 300       | 580       | 150       | 208            |
| 57061015 | 540       | 500       | 300       | 580       | 150       | 236            |
| 57061020 | 795       | 630       | 550       | 840       | 150       | 451            |
| 57061025 | 625       | 500       | 350       | 670       | 200       | 296            |
| 57061030 | 625       | 630       | 350       | 670       | 200       | 356            |
| 57061035 | 650       | 400       | 250       | 690       | 100       | 142            |
| 57061040 | 650       | 500       | 300       | 690       | 100       | 187            |

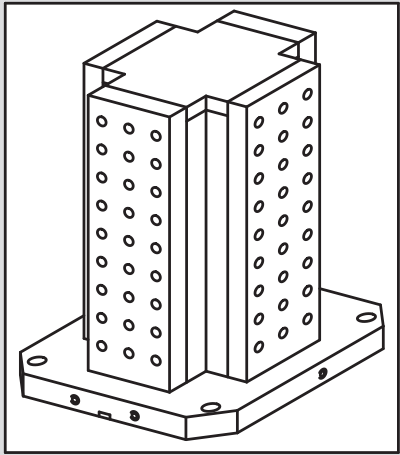
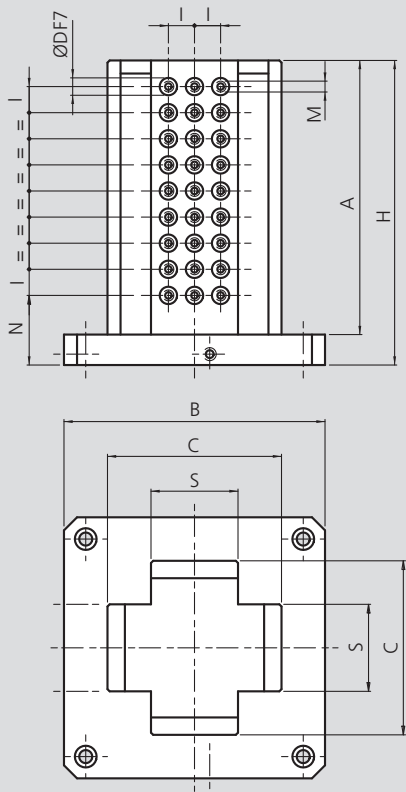
### Tombstones cross – ALUMINIUM

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-----------|----------------|
| 57316110 | 540       | 400       | 300       | 580       | 150       | 82             |
| 57316115 | 540       | 500       | 300       | 580       | 150       | 92             |
| 57316135 | 650       | 400       | 250       | 690       | 100       | 79             |
| 57316140 | 650       | 500       | 250       | 690       | 100       | 88             |

Special sizes on request.

- Steel, aluminium
- With grid bore holes for plates

Subject to technical changes.



Tombstones cross – STEEL

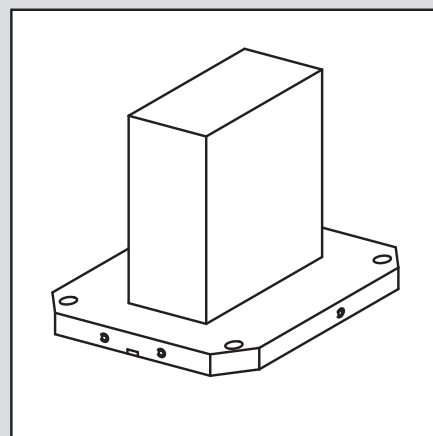
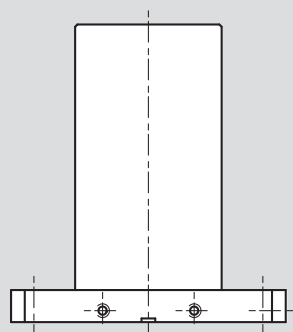
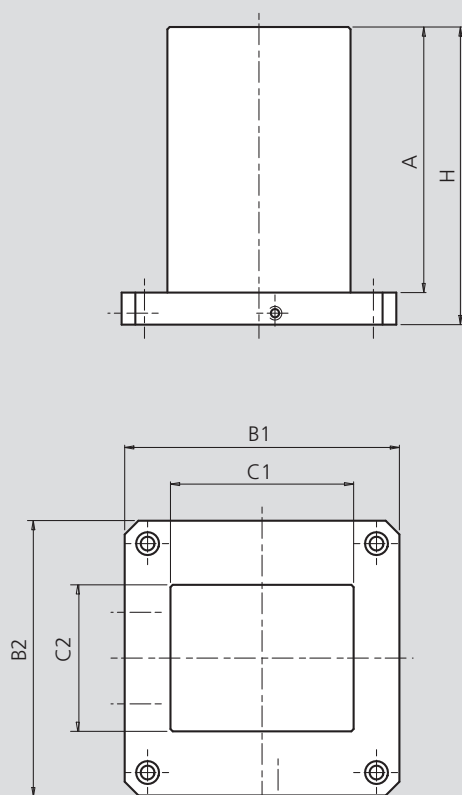
| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | I<br>[mm] | N<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|----------------|
| 57060010 | 540       | 400       | 300       | 580       | 16          | M12 | 50        | 85        | 150       | 208            |
| 57060015 | 540       | 500       | 300       | 580       | 16          | M12 | 50        | 85        | 150       | 236            |
| 57060020 | 795       | 630       | 550       | 840       | 16          | M12 | 50        | 100       | 150       | 451            |
| 57060025 | 625       | 500       | 350       | 670       | 16          | M12 | 50        | 120       | 200       | 296            |
| 57060030 | 625       | 630       | 350       | 670       | 16          | M12 | 50        | 120       | 200       | 356            |

Tombstones cross – ALUMINIUM

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | I<br>[mm] | N<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|----------------|
| 57316010 | 540       | 400       | 300       | 580       | 16          | M12 | 50        | 85        | 150       | 82             |
| 57316015 | 540       | 500       | 300       | 580       | 16          | M12 | 50        | 85        | 150       | 92             |

Special sizes on request.





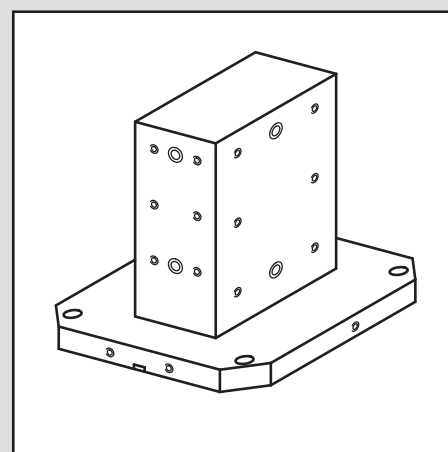
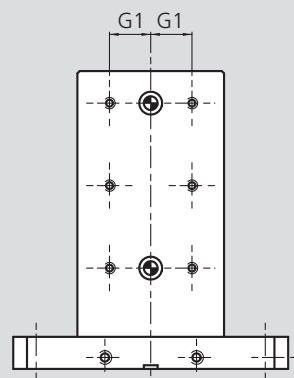
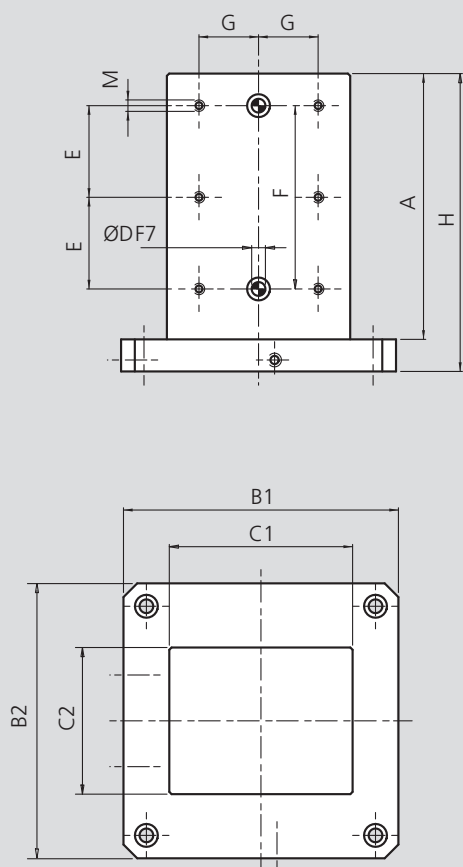
### Tombstones rectangle cube – STEEL

| Id. No.  | A<br>[mm] | B1<br>[mm] | B2<br>[mm] | C1<br>[mm] | C2<br>[mm] | H<br>[mm] | Weight<br>[kg] |
|----------|-----------|------------|------------|------------|------------|-----------|----------------|
| 57007005 | 615       | 500        | 400        | 350        | 250        | 655       | 250            |
| 57007010 | 615       | 500        | 500        | 350        | 250        | 655       | 265            |
| 57007025 | 615       | 630        | 500        | 450        | 350        | 660       | 367            |
| 57007030 | 615       | 630        | 630        | 450        | 350        | 660       | 395            |

Special sizes on request.

- Steel
- With grid bore hole for plates

Subject to technical changes.



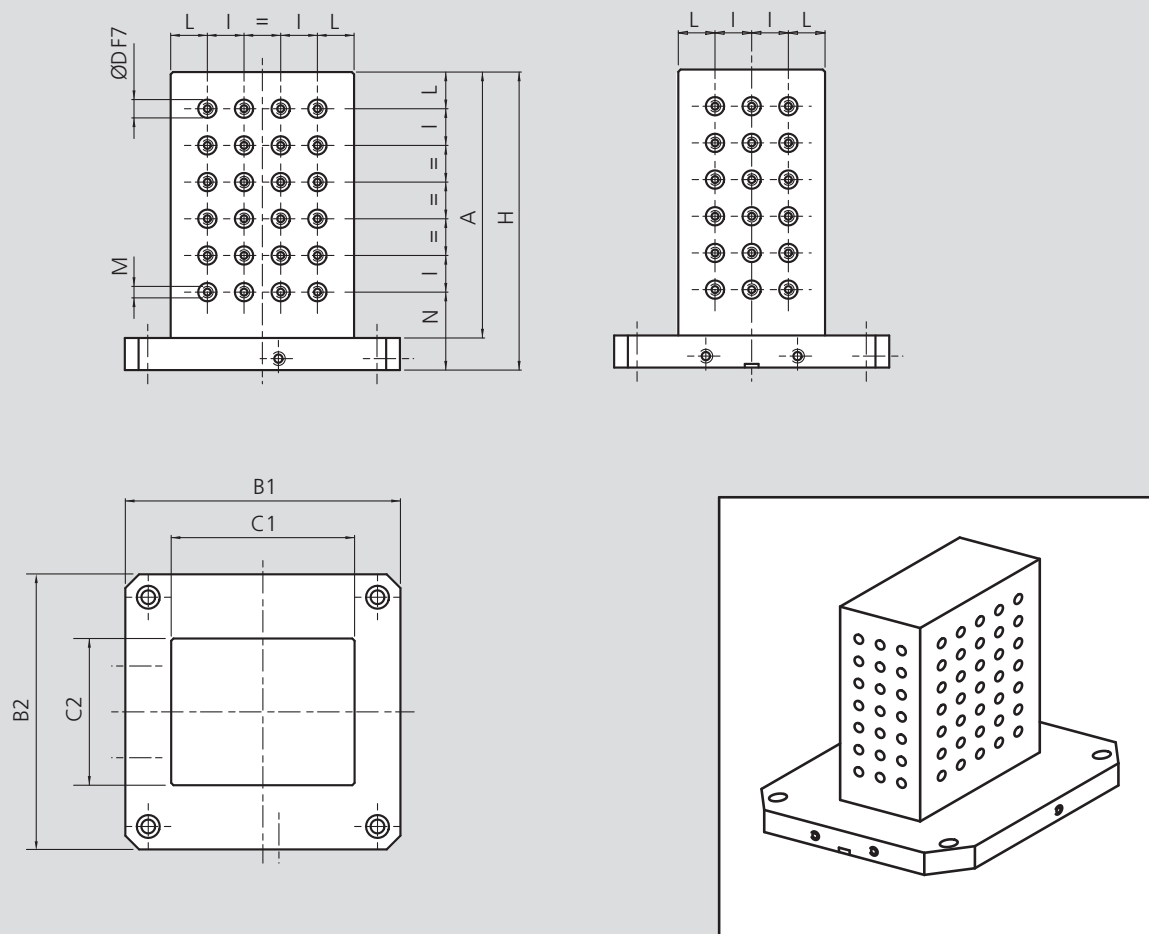
## Tombstones rectangle cube – STEEL

| Id. No.  | A<br>[mm] | B1<br>[mm] | B2<br>[mm] | C1<br>[mm] | C2<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | E<br>[mm] | F<br>[mm] | G<br>[mm] | G1<br>[mm] | Weight<br>[kg] |
|----------|-----------|------------|------------|------------|------------|-----------|-------------|-----|-----------|-----------|-----------|------------|----------------|
| 57070015 | 615       | 500        | 400        | 350        | 250        | 655       | 16          | M12 | 250       | 500       | 125       | 75         | 250            |
| 57070020 | 615       | 500        | 500        | 350        | 250        | 655       | 16          | M12 | 250       | 500       | 125       | 75         | 265            |
| 57070035 | 615       | 630        | 500        | 450        | 350        | 660       | 16          | M12 | 250       | 500       | 175       | 125        | 367            |
| 57070040 | 615       | 630        | 630        | 450        | 350        | 660       | 16          | M12 | 250       | 500       | 175       | 125        | 395            |

Special sizes on request.

- Steel
- With grid bore hole

Subject to technical changes.



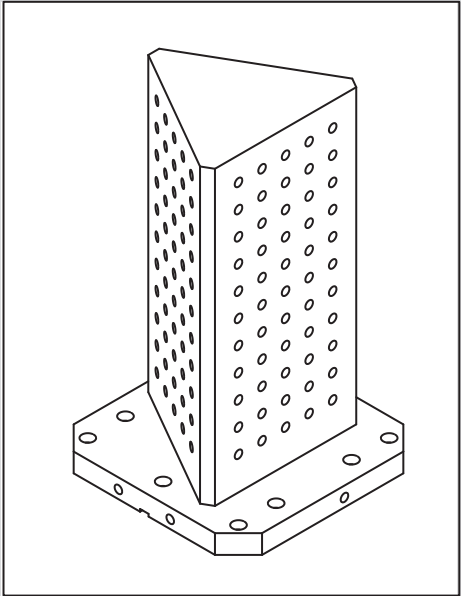
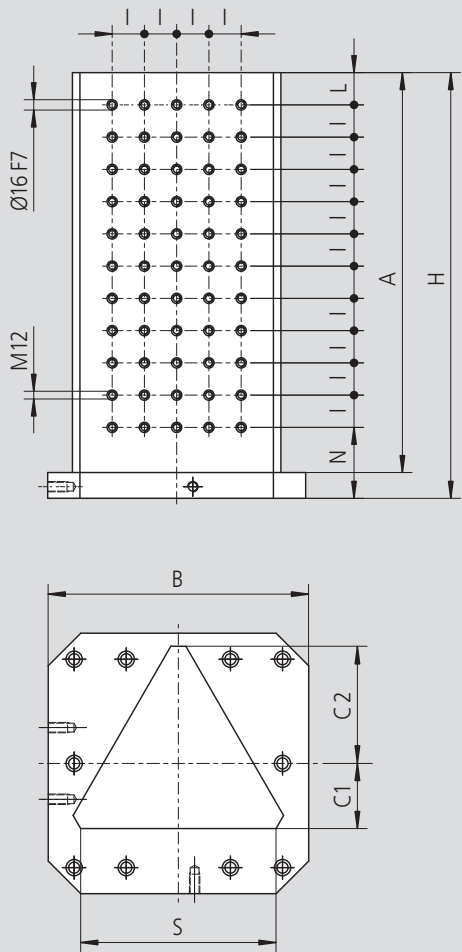
### Tombstones rectangle cube – STEEL

| Id. No.  | A<br>[mm] | B1<br>[mm] | B2<br>[mm] | C1<br>[mm] | C2<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | I<br>[mm] | L<br>[mm] | N<br>[mm] | Weight<br>[kg] |
|----------|-----------|------------|------------|------------|------------|-----------|-------------|-----|-----------|-----------|-----------|----------------|
| 57080015 | 615       | 500        | 400        | 350        | 250        | 655       | 16          | M12 | 50        | 50        | 105       | 242            |
| 57080020 | 615       | 500        | 500        | 350        | 250        | 655       | 16          | M12 | 50        | 50        | 105       | 257            |
| 57080035 | 615       | 630        | 500        | 450        | 350        | 660       | 16          | M12 | 50        | 50        | 110       | 355            |
| 57080040 | 615       | 630        | 630        | 450        | 350        | 660       | 16          | M12 | 50        | 50        | 110       | 383            |

Special sizes on request.

- Steel
- With grid bore holes

Subject to technical changes.



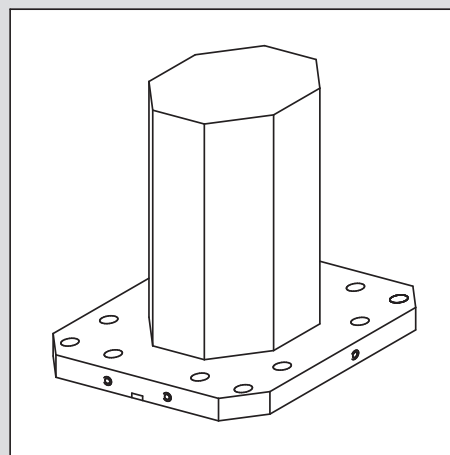
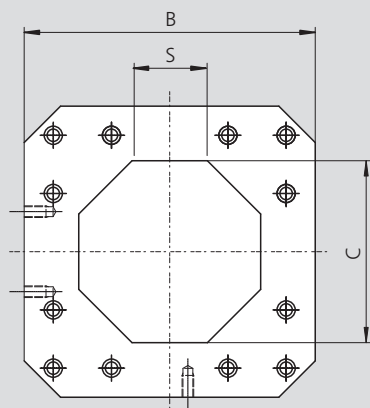
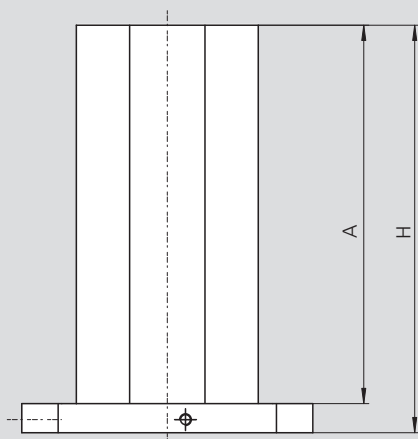
Tombstones triangle tower – STEEL

| Id. No.  | A<br>[mm] | B<br>[mm] | C1<br>[mm] | C2<br>[mm] | H<br>[mm] | I<br>[mm] | L<br>[mm] | N<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|----------------|
| 57171010 | 620       | 400       | 100        | 180        | 660       | 50        | 50        | 110       | 300       | 200            |
| 57171020 | 620       | 500       | 100        | 180        | 660       | 50        | 50        | 110       | 300       | 227            |

Special sizes on request.

- Steel or aluminium
- Milled

Subject to technical changes.



### Tombstones octagon tower – STEEL

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-----------|----------------|
| 57004000 | 650       | 400       | 250       | 690       | 100       | 185            |
| 57004010 | 650       | 500       | 250       | 690       | 100       | 213            |
| 57004020 | 650       | 630       | 380       | 690       | 155       | 351            |

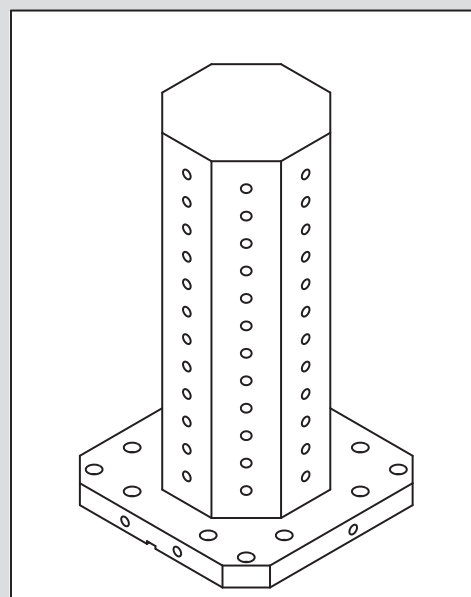
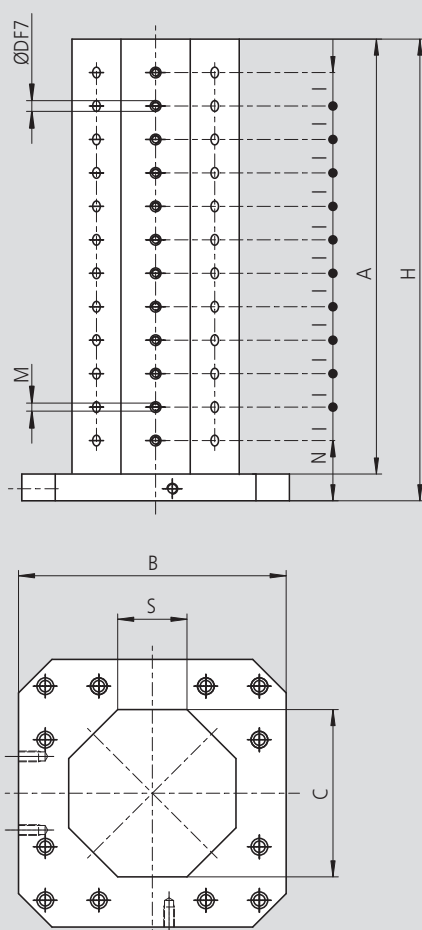
### Tombstones octagon tower – ALUMINIUM

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-----------|----------------|
| 57304000 | 650       | 400       | 250       | 690       | 100       | 79             |
| 57304010 | 650       | 500       | 250       | 690       | 100       | 88             |
| 57304020 | 650       | 630       | 380       | 690       | 155       | 138            |

Special sizes on request.

- Steel and aluminium
- With grid bore holes

Subject to technical changes.



### Tombstones octagon tower – STEEL

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | $\varnothing D$<br>[mm] | M   | I<br>[mm] | N<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-------------------------|-----|-----------|-----------|-----------|----------------|
| 57173010 | 650       | 400       | 250       | 690       | 16                      | M12 | 50        | 90        | 100       | 181            |
| 57173020 | 650       | 500       | 250       | 690       | 16                      | M12 | 50        | 90        | 100       | 209            |
| 57173030 | 650       | 630       | 380       | 690       | 16                      | M12 | 50        | 90        | 155       | 339            |

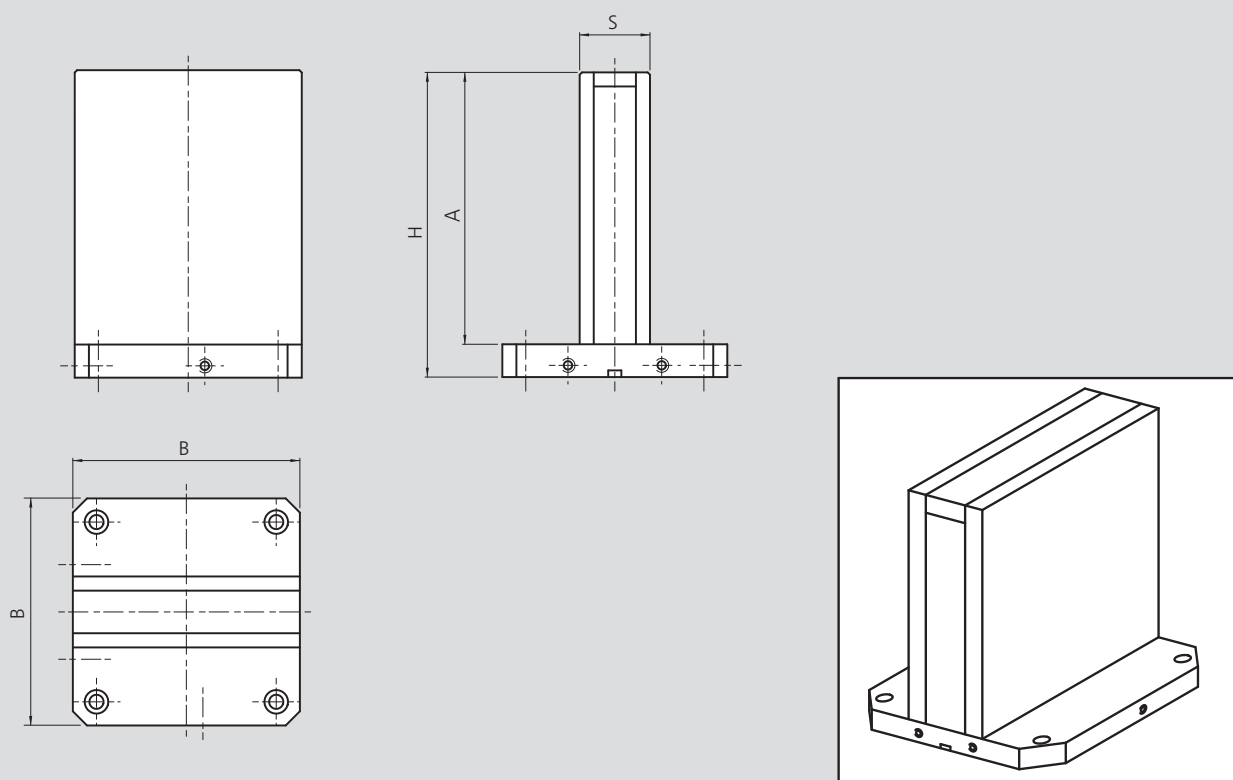
### Tombstones octagon tower – ALUMINIUM

| Id. No.  | A<br>[mm] | B<br>[mm] | C<br>[mm] | H<br>[mm] | $\varnothing D$<br>[mm] | M   | I<br>[mm] | N<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|-------------------------|-----|-----------|-----------|-----------|----------------|
| 57336010 | 650       | 400       | 250       | 690       | 16                      | M12 | 50        | 90        | 100       | 78             |
| 57336020 | 650       | 500       | 250       | 690       | 16                      | M12 | 50        | 90        | 100       | 87             |
| 57336030 | 650       | 630       | 380       | 690       | 16                      | M12 | 50        | 90        | 155       | 136            |

Special sizes on request.

- Steel, aluminium or cast iron
- Raw or milled

Subject to technical changes.



### Crankweb – STEEL

| Raw<br>Id. No. | Milled<br>Id. No. | A<br>[mm] | B<br>[mm] | H<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------------|-------------------|-----------|-----------|-----------|-----------|----------------|
| 57009026       | 57009025          | 620       | 400       | 660       | 150       | 212            |
| 57009046       | 57009045          | 660       | 500       | 700       | 150       | 287            |
| 57009066       | 57009065          | 815       | 630       | 860       | 200       | 482            |
| 57009091       | 57009090          | 945       | 800       | 1000      | 260       | 810            |

### Crankweb – ALUMINIUM

| Id. No.  | A<br>[mm] | B<br>[mm] | H<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|----------------|
| 57309025 | 620       | 400       | 660       | 150       | 77             |
| 57309045 | 660       | 500       | 700       | 150       | 103            |
| 57309065 | 815       | 630       | 860       | 200       | 172            |

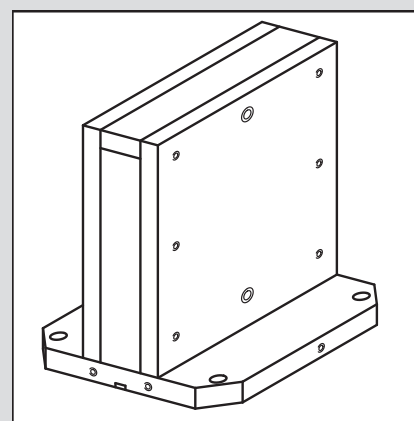
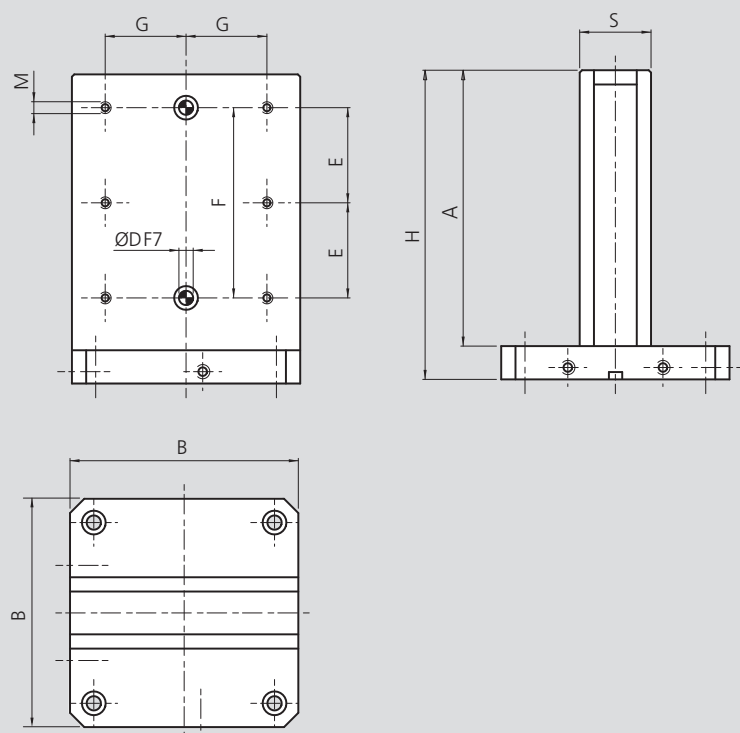
### Crankweb – CAST IRON

| Raw<br>Id. No. | Milled<br>Id. No. | A<br>[mm] | B<br>[mm] | H<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------------|-------------------|-----------|-----------|-----------|-----------|----------------|
| 57409026       | 57409025          | 615       | 400       | 660       | 150       | 185            |
| 57409046       | 57409045          | 655       | 500       | 700       | 150       | 247            |
| 57409066       | 57409065          | 810       | 630       | 860       | 200       | 448            |
| 57409091       | 57409090          | 945       | 800       | 1000      | 300       | 810            |

Special sizes on request.

- Steel, aluminium or cast iron
- For plates

Subject to technical changes.



## Crankweb – STEEL

| Id. No.  | A<br>[mm] | B<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | E<br>[mm] | F<br>[mm] | G<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|-----------|----------------|
| 57041035 | 620       | 400       | 660       | 16          | M12 | 250       | 500       | 150       | 150       | 212            |
| 57041055 | 660       | 500       | 700       | 16          | M12 | 250       | 500       | 200       | 150       | 287            |
| 57041075 | 815       | 630       | 860       | 16          | M12 | 350       | 700       | 250       | 200       | 482            |
| 57041100 | 945       | 800       | 1000      | 16          | M12 | 100       | 800       | 350       | 260       | 810            |

## Crankweb – ALUMINIUM

| Id. No.  | A<br>[mm] | B<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | E<br>[mm] | F<br>[mm] | G<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|-----------|----------------|
| 57328035 | 620       | 400       | 660       | 16          | M12 | 250       | 500       | 150       | 150       | 77             |
| 57328055 | 660       | 500       | 700       | 16          | M12 | 250       | 500       | 200       | 150       | 103            |
| 57328075 | 815       | 630       | 860       | 16          | M12 | 350       | 700       | 250       | 200       | 180            |

## Crankweb – CAST IRON

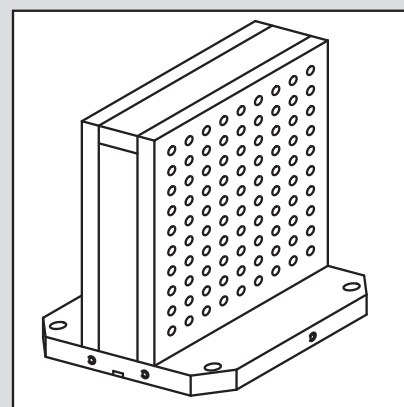
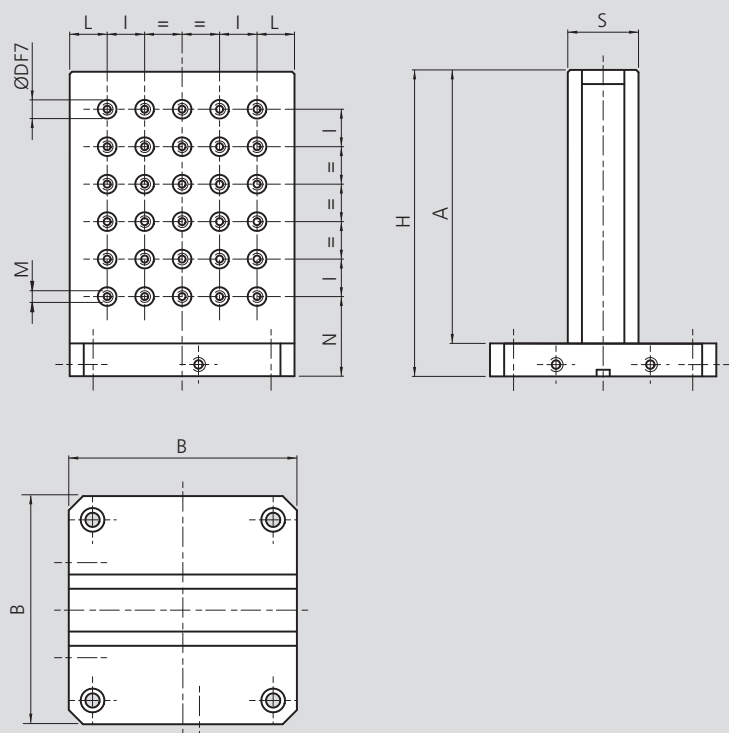
| Id. No.  | A<br>[mm] | B<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | E<br>[mm] | F<br>[mm] | G<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|-----------|----------------|
| 57428035 | 615       | 400       | 660       | 16          | M12 | 250       | 500       | 150       | 150       | 185            |
| 57428055 | 655       | 500       | 700       | 16          | M12 | 250       | 500       | 200       | 150       | 247            |
| 57428075 | 810       | 630       | 860       | 16          | M12 | 350       | 700       | 250       | 200       | 448            |
| 57428100 | 945       | 800       | 1000      | 16          | M12 | 400       | 800       | 350       | 300       | 810            |

Special sizes on request.



- Steel, aluminium or cast iron
- With grid bore holes

Subject to technical changes.



### Crankweb – STEEL

| Id. No.  | A<br>[mm] | B<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | I<br>[mm] | L<br>[mm] | N<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|-----------|----------------|
| 57040035 | 620       | 400       | 660       | 16          | M12 | 50        | 50        | 110       | 150       | 206            |
| 57040055 | 660       | 500       | 700       | 16          | M12 | 50        | 50        | 100       | 150       | 279            |
| 57040075 | 815       | 630       | 860       | 16          | M12 | 50        | 40        | 110       | 200       | 468            |
| 57040100 | 945       | 800       | 1000      | 16          | M12 | 50        | 50        | 100       | 260       | 787            |

### Crankweb – ALUMINIUM

| Id. No.  | A<br>[mm] | B<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | I<br>[mm] | L<br>[mm] | N<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|-----------|----------------|
| 57314035 | 620       | 400       | 660       | 16          | M12 | 50        | 50        | 110       | 150       | 74             |
| 57314055 | 660       | 500       | 700       | 16          | M12 | 50        | 50        | 100       | 150       | 100            |
| 57314075 | 815       | 630       | 860       | 16          | M12 | 50        | 40        | 110       | 200       | 170            |

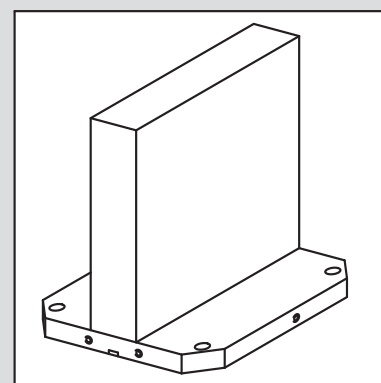
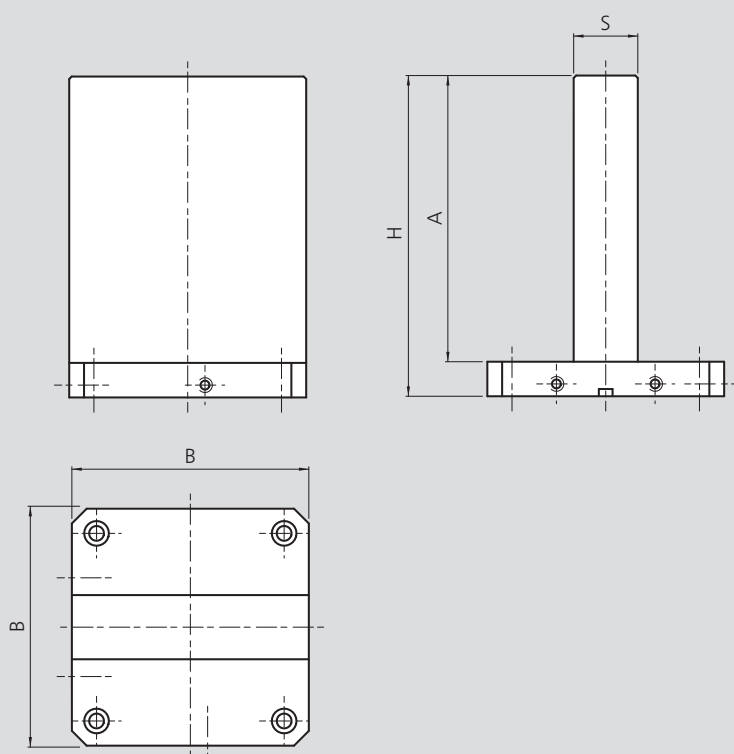
### Crankweb – CAST IRON

| Id. No.  | A<br>[mm] | B<br>[mm] | H<br>[mm] | Ø D<br>[mm] | M   | I<br>[mm] | L<br>[mm] | N<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-------------|-----|-----------|-----------|-----------|-----------|----------------|
| 57414035 | 615       | 400       | 660       | 16          | M12 | 50        | 50        | 110       | 150       | 180            |
| 57414055 | 655       | 500       | 700       | 16          | M12 | 50        | 50        | 100       | 150       | 240            |
| 57414075 | 810       | 630       | 860       | 16          | M12 | 50        | 40        | 110       | 200       | 440            |
| 57414100 | 945       | 800       | 1000      | 16          | M12 | 50        | 50        | 100       | 300       | 790            |

Special sizes on request.

- Steel and aluminium
- Made of full metal

Subject to technical changes.



## Crankweb – STEEL

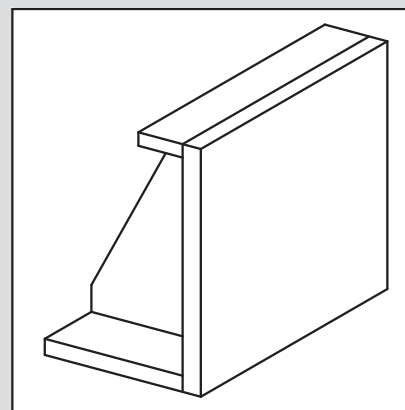
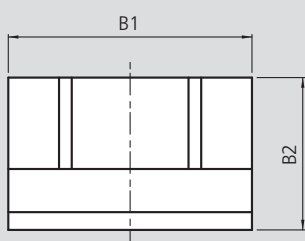
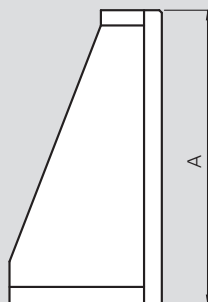
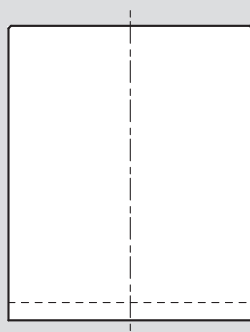
| Id. No.  | A<br>[mm] | B<br>[mm] | H<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|----------------|
| 57008030 | 370       | 320       | 410       | 80        | 107            |
| 57008040 | 480       | 400       | 520       | 100       | 201            |
| 57008050 | 580       | 500       | 620       | 100       | 306            |

## Crankweb – ALUMINIUM

| Id. No.  | A<br>[mm] | B<br>[mm] | H<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-----------|-----------|----------------|
| 57308020 | 270       | 250       | 310       | 80        | 23             |

Special sizes on request.

- Steel
- Milled



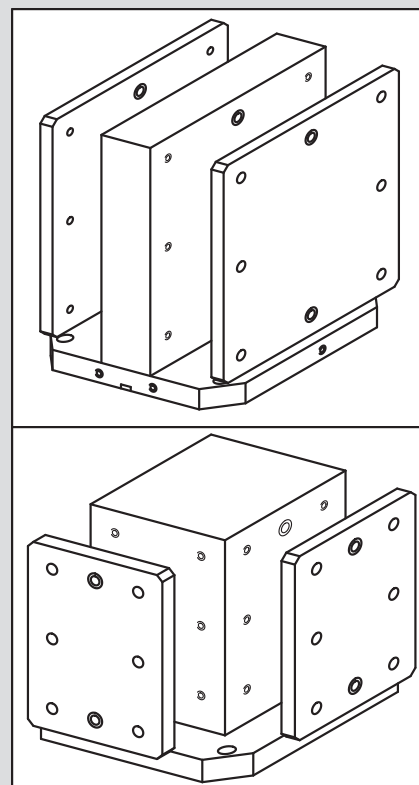
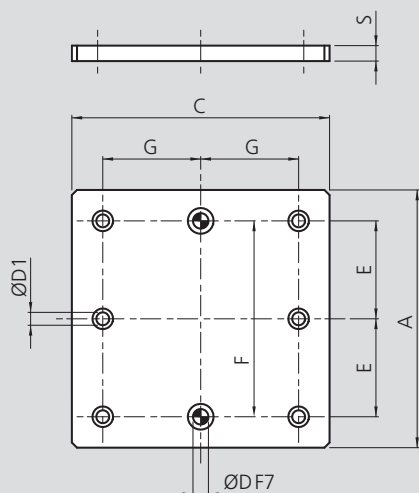
Subject to technical changes.

## Angle plates – STEEL

| Id. No.  | A<br>[mm] | B1<br>[mm] | B2<br>[mm] | Weight<br>[kg] |
|----------|-----------|------------|------------|----------------|
| 57005030 | 360       | 320        | 230        | 66             |
| 57005040 | 460       | 400        | 330        | 130            |
| 57005050 | 510       | 400        | 330        | 139            |
| 57005060 | 510       | 500        | 330        | 182            |
| 57005070 | 560       | 500        | 330        | 196            |
| 57005080 | 560       | 630        | 430        | 305            |
| 57005090 | 660       | 630        | 430        | 343            |

Special sizes on request.

## ■ Steel grinded



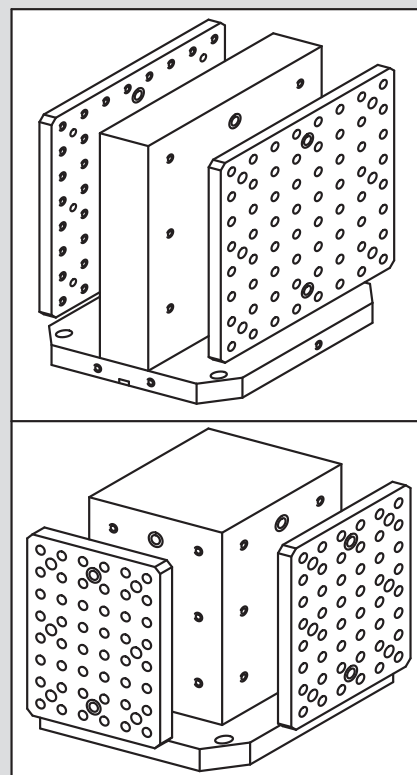
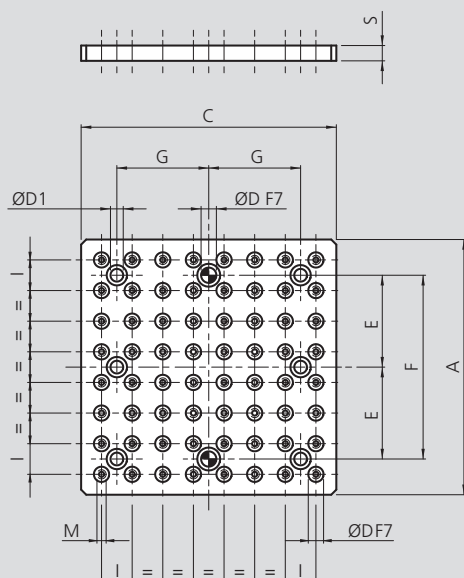
Subject to technical changes.

## Plates – STEEL

| Id. No.  | C<br>[mm] | A<br>[mm] | Ø D<br>[mm] | Ø D1<br>[mm] | E<br>[mm] | F<br>[mm] | G<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-------------|--------------|-----------|-----------|-----------|-----------|----------------|
| 57120025 | 160       | 400       | 12          | 11           | 150       | 300       | 40        | 20        | 10             |
| 57120090 | 250       | 600       | 16          | 13           | 250       | 500       | 75        | 25        | 29             |
| 57120130 | 350       | 600       | 16          | 13           | 250       | 500       | 125       | 25        | 41             |
| 57120155 | 400       | 600       | 16          | 13           | 250       | 500       | 150       | 25        | 47             |
| 57120175 | 450       | 800       | 16          | 13           | 350       | 700       | 175       | 25        | 70.5           |
| 57120195 | 500       | 600       | 16          | 13           | 250       | 500       | 200       | 25        | 58.5           |
| 57120210 | 550       | 800       | 16          | 13           | 350       | 700       | 225       | 25        | 86             |
| 57120235 | 630       | 800       | 16          | 13           | 350       | 700       | 250       | 25        | 98.5           |
| 57120250 | 800       | 800       | 16          | 13           | 350       | 700       | 350       | 30        | 149            |

Special sizes on request.

- Steel grinded
- With grid bore holes



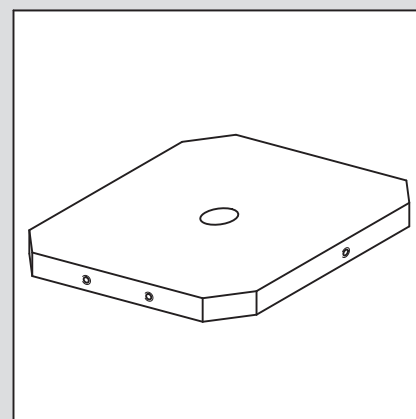
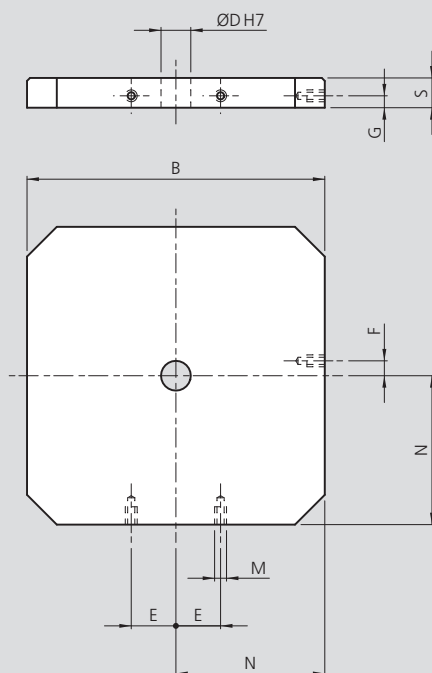
Subject to technical changes.

## Grid plate – STEEL

| Id. No.  | C<br>[mm] | A<br>[mm] | Ø D<br>[mm] | Ø D1<br>[mm] | M   | E<br>[mm] | F<br>[mm] | G<br>[mm] | I<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-----------|-------------|--------------|-----|-----------|-----------|-----------|-----------|-----------|----------------|
| 57050025 | 160       | 400       | 12          | 11           | M10 | 150       | 300       | 40        | 40        | 30        | 15             |
| 57050090 | 250       | 600       | 16          | 13           | M12 | 250       | 500       | 75        | 50        | 35        | 39             |
| 57050130 | 350       | 600       | 16          | 13           | M12 | 250       | 500       | 125       | 50        | 35        | 55             |
| 57050155 | 400       | 600       | 16          | 13           | M12 | 250       | 500       | 150       | 50        | 35        | 63             |
| 57050175 | 450       | 800       | 16          | 13           | M12 | 350       | 700       | 175       | 50        | 35        | 95             |
| 57050195 | 500       | 600       | 16          | 13           | M12 | 250       | 500       | 200       | 50        | 35        | 78             |
| 57050210 | 550       | 800       | 16          | 13           | M12 | 350       | 700       | 225       | 50        | 35        | 114            |
| 57050235 | 630       | 800       | 16          | 13           | M12 | 350       | 700       | 250       | 50        | 35        | 131            |
| 57050250 | 800       | 800       | 16          | 13           | M12 | 350       | 700       | 350       | 50        | 35        | 166            |

Special sizes on request.

- Steel grinded
- Without grid bore holes



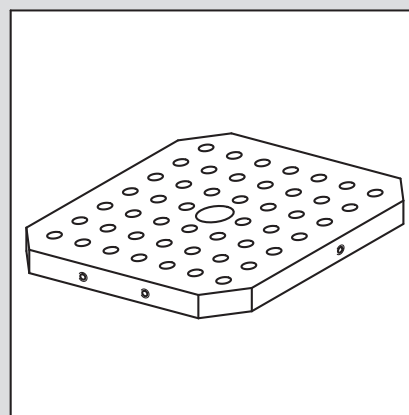
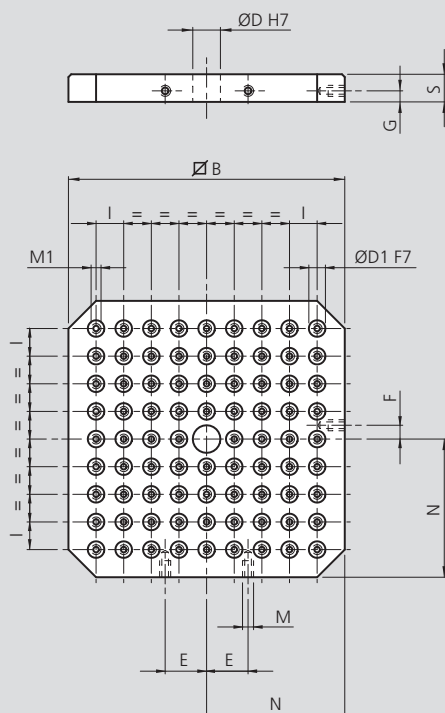
Subject to technical changes.

## Subplates – STEEL

| Id. No.  | B<br>[mm] | Ø D<br>[mm] | M   | N<br>[mm] | E<br>[mm] | F<br>[mm] | G<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-------------|-----|-----------|-----------|-----------|-----------|-----------|----------------|
| 57130010 | 320       | 30          | -   | 160       | -         | -         | -         | 40        | 30             |
| 57130020 | 400       | 50          | M16 | 200       | 55        | 25        | 18        | 40        | 48             |
| 57130030 | 450       | 50          | -   | 225       | -         | -         | -         | 40        | 61             |
| 57130040 | 500       | 50          | M16 | 250       | 75        | 25        | 18        | 40        | 76             |
| 57130050 | 550       | 50          | -   | 275       | -         | -         | -         | 40        | 93             |
| 57130060 | 630       | 50          | M16 | 315       | 100       | 25        | 18        | 40        | 121            |

Special sizes on request.

- Steel grinded
- With grid bore holes



Subject to technical changes.

## Grid plate – STEEL

| Id. No.  | B<br>[mm] | $\varnothing D$<br>[mm] | M   | E<br>[mm] | F<br>[mm] | G<br>[mm] | $\varnothing D1$<br>[mm] | M1  | I<br>[mm] | N<br>[mm] | S<br>[mm] | Weight<br>[kg] |
|----------|-----------|-------------------------|-----|-----------|-----------|-----------|--------------------------|-----|-----------|-----------|-----------|----------------|
| 57140010 | 320       | 30                      | -   | -         | -         | -         | 16                       | M12 | 50        | 160       | 40        | 29             |
| 57140020 | 400       | 50                      | M16 | 55        | 25        | 18        | 16                       | M12 | 50        | 200       | 40        | 47             |
| 57140030 | 450       | 50                      | -   | -         | -         | -         | 16                       | M12 | 50        | 225       | 40        | 59             |
| 57140040 | 500       | 50                      | M16 | 75        | 25        | 18        | 16                       | M12 | 50        | 250       | 40        | 74             |
| 57140050 | 550       | 50                      | -   | -         | -         | -         | 16                       | M12 | 50        | 275       | 40        | 90             |
| 57140060 | 630       | 50                      | M16 | 100       | 25        | 18        | 16                       | M12 | 50        | 315       | 40        | 117            |

Special sizes on request.