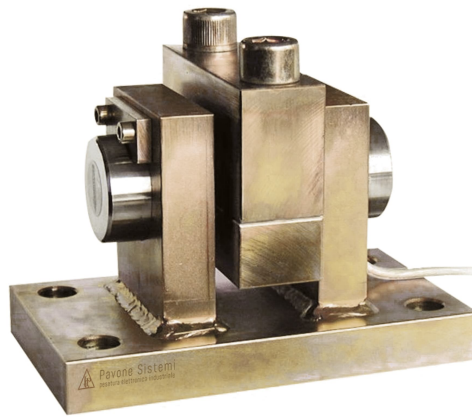


## General information

PWS3820220331

The PERMOUNTING weighing module has a pin load cell (double shear beam operation) made of fully welded steel and a built-in mounting component. The PERMOUNTING weighing module is suitable for tension measurements and all weighing systems. PERMOUNTING offers maximum resistance to impacts and overloads and is insensitive to side loads. The PERMOUNTING cell is supplied with a 5 meter long cable with 6 conductors and a length of 5 mt. The load cell and the mounting component of the PERMOUNTING product cannot be sold separately, the weighing module must be purchased in full (see image).



## Suggested related products

A highly performing weighing system must be accurate, perfectly calibrated and well maintained. In order to improve the load cell performance and to optimize its functioning, you may need the following products:

**Weight Transmitter** [UWT 6008](#)

**Weight Transmitter** [DAT 1400](#)

**Weight Indicator** [MCT 1302](#)

**Tester 1008** [TESTER 1008](#)

**Junction Box** [CGS4-C](#)

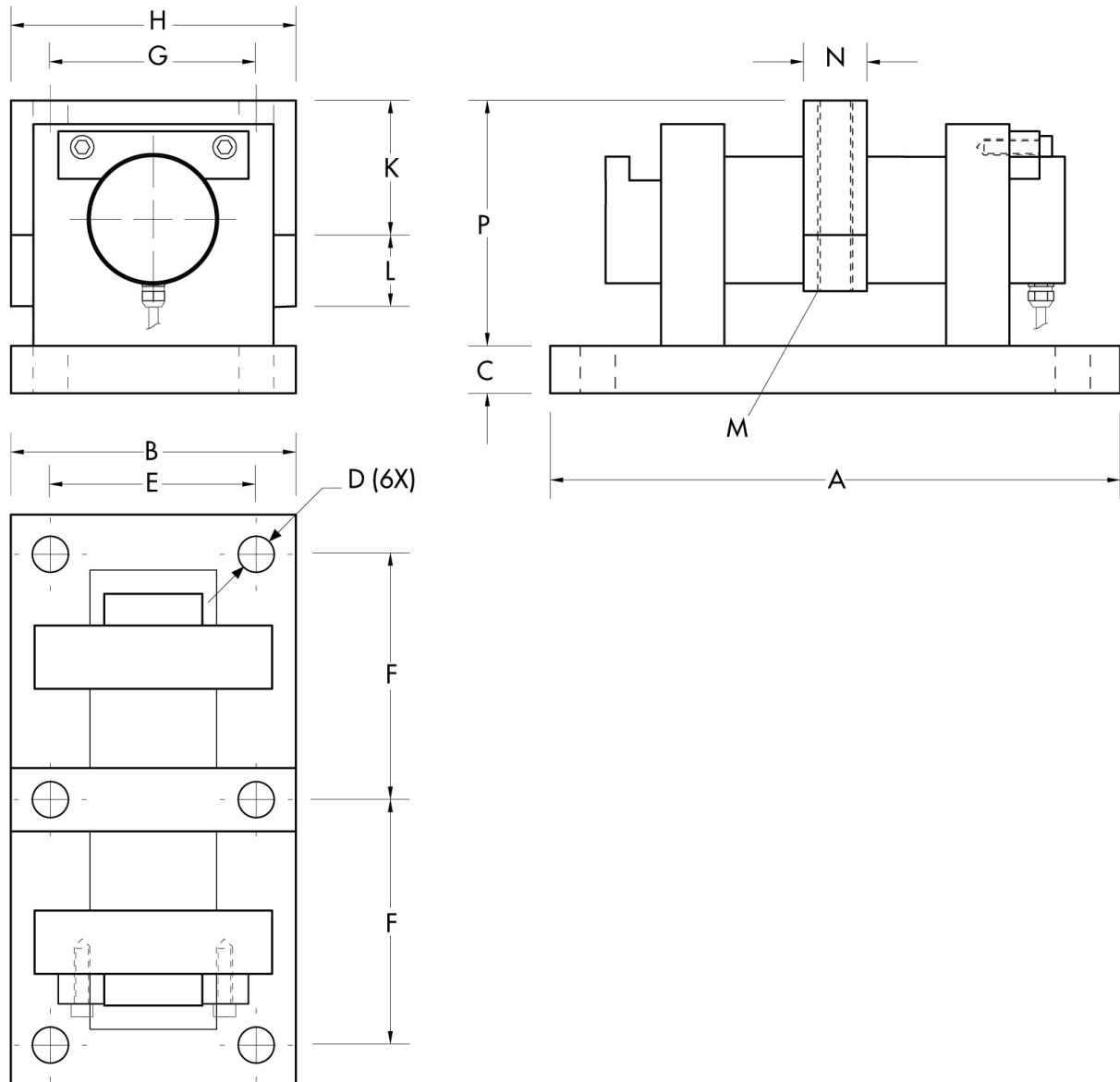
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

PWS3820220331

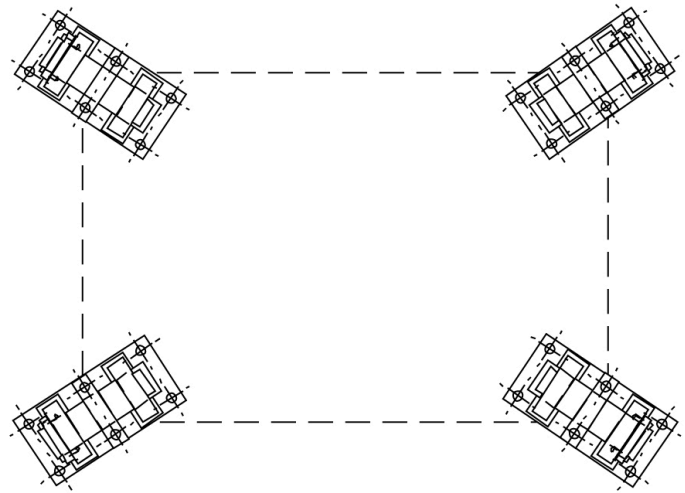
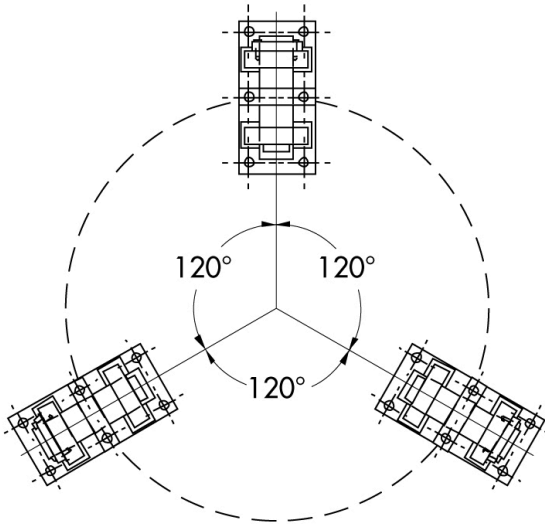
|  |                              |
|--|------------------------------|
| <b>Rated Load (RL):</b>                    | 5, 10, 20, 40, 60, 80, 100 t |
| <b>Combined error:</b>                     | < $\pm 0.1$ % RO             |
| <b>Repeatability:</b>                      | < $\pm 0.02$ % RO            |
| <b>Creep (20 minutes):</b>                 | $\pm 0.03$ % RO              |
| <b>Safe overload:</b>                      | 150 % RL                     |
| <b>Ultimate overload:</b>                  | 300 % RL                     |
| <b>Material:</b>                           | Stainless steel              |
| <b>Degree of protection:</b>               | IP68                         |
| <b>Deflection:</b>                         | 0.4 mm                       |
| <b>Compensated Temperature:</b>            | -10 $\div$ +50 °C            |
| <b>Temperature range:</b>                  | -20 $\div$ +70 °C            |
| <b>Temperature effect on zero balance:</b> | < $\pm 0.005$ % RO/°C        |
| <b>Temperature effect on output:</b>       | < $\pm 0.005$ % on output/°C |
| <b>Rated output RO:</b>                    | 1 mV/V $\pm 0.1$ %           |
| <b>Zero balance:</b>                       | < $\pm 2$ % RO               |
| <b>Insulation resistance:</b>              | > 5000 MOhm                  |
| <b>Input resistance:</b>                   | 700 $\pm 20$ Ohm             |
| <b>Output resistance:</b>                  | 700 $\pm 10$ Ohm             |
| <b>Recommended input:</b>                  | 5 $\div$ 15 Vdc/ac           |

All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).



| CAPACITY | A   | B   | C  | D  | E   | F   | G   | H   | K  | L  | M   | N  | P   |
|----------|-----|-----|----|----|-----|-----|-----|-----|----|----|-----|----|-----|
| 5-30 t   | 200 | 120 | 30 | 18 | 80  | 80  | 85  | 120 | 60 | 30 | M16 | 40 | 114 |
| 40-60 t  | 360 | 180 | 30 | 22 | 130 | 155 | 130 | 180 | 85 | 45 | M20 | 40 | 154 |
| 80-100 t | 390 | 200 | 40 | 26 | 150 | 170 | 146 | 200 | 95 | 70 | M24 | 49 | 180 |

All indicated data may be changed without notice.  
 All the measures indicated are expressed in millimeters (mm).



| CAPACITY                     | 50-30 t | 40-60 t  | 80-100 t |
|------------------------------|---------|----------|----------|
| Max lift force resistance    | 6080 kg | 9280 kg  | 16120 kg |
| Max lateral force resistance | 6220 kg | 13320 kg | 26210 kg |

All indicated data may be changed without notice.  
 All the measures indicated are expressed in millimeters (mm).