

## General information

PWS2120241015

The BLH NOBEL KIS 3 load cell is extremely precise and robust and it is resistant to very high lateral forces. The KIS 3 cell is easy to install and has a moveble loading point and 5 meter 4-wire shielded cables. The BHL NOBEL KIS 3 has a wide range of application: dosing, mixing and melting systems, complex weighing processes, reactors, weighing of high-value components and accurate force measurement systems.



## 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](#)

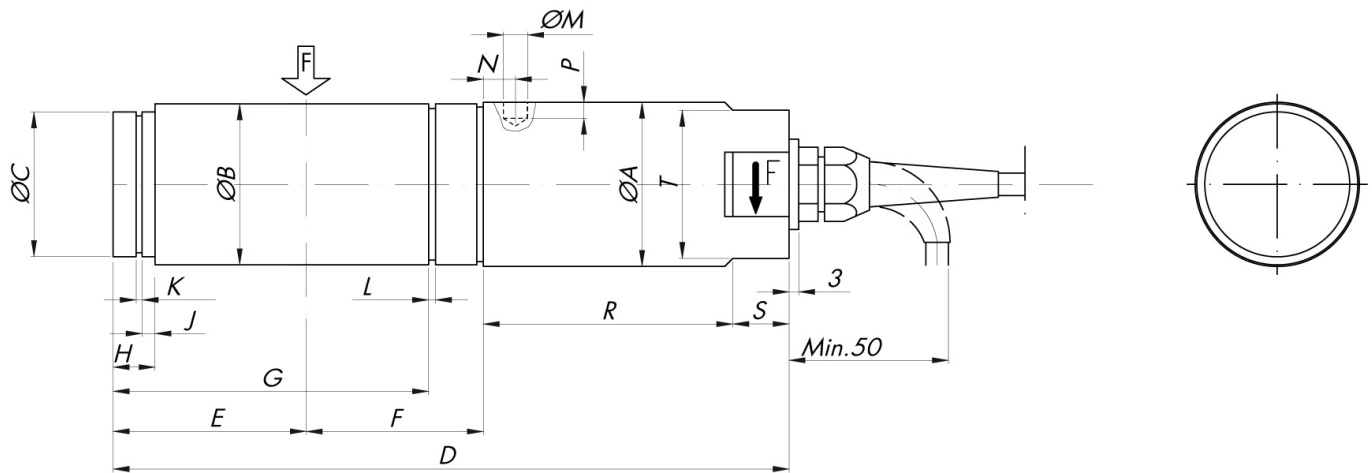
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

PWS2120241015

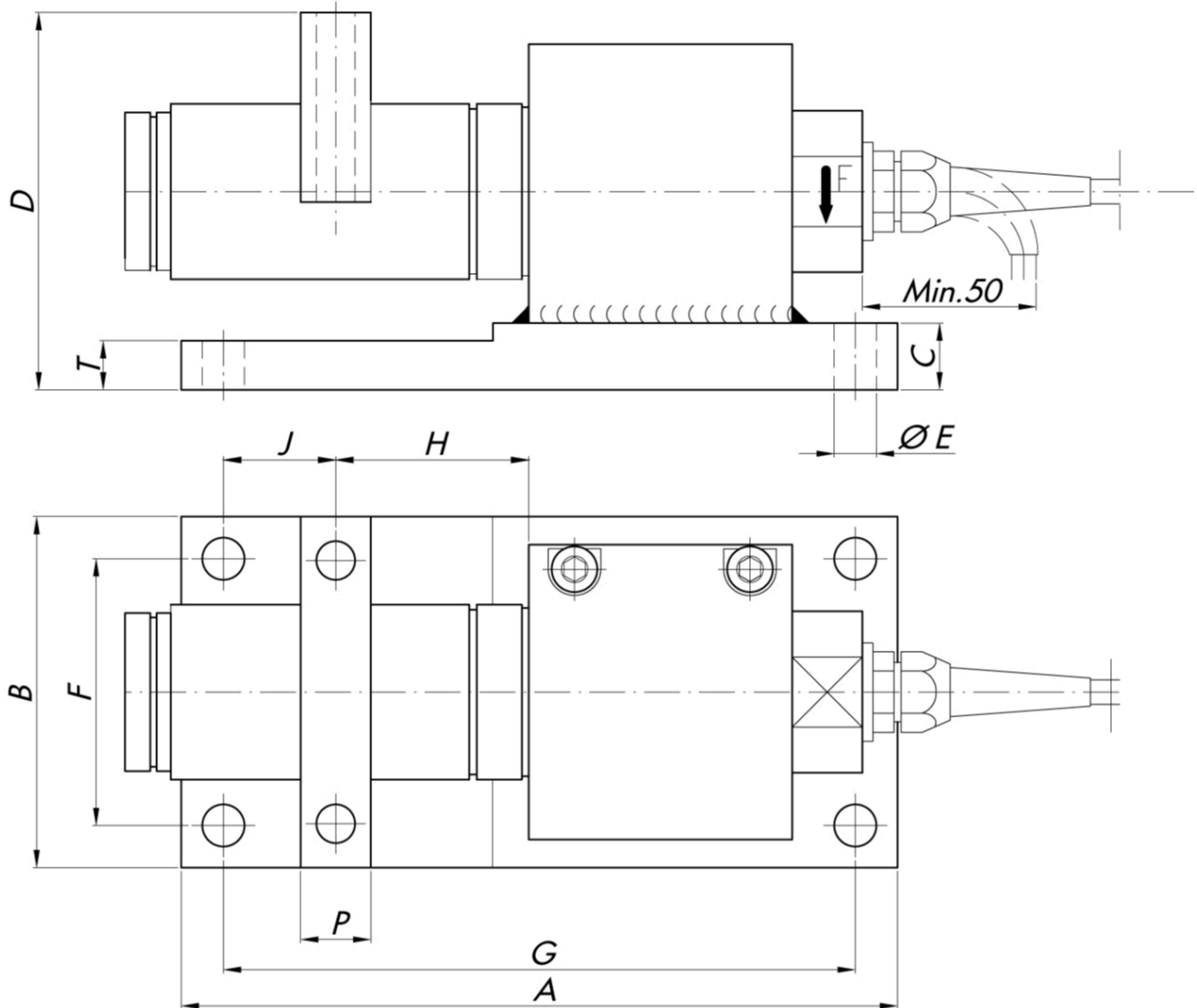
|   |  |
|---|--|
| <b>Rated load RL:</b>                   | 1, 2, 5, 10, 20 kN                       |
| <b>Combined error:</b>                  | ±0.02 % RO                               |
| <b>Repeatability:</b>                   | ±0.01 % RO                               |
| <b>Creep (30 minutes):</b>              | ±0.01 % RL                               |
| <b>Safe overload:</b>                   | 200 % RL                                 |
| <b>Ultimate overload:</b>               | 300 % RL                                 |
| <b>Safe sideload:</b>                   | 100 % RL                                 |
| <b>Ultimate sideload:</b>               | 200 % RL                                 |
| <b>Material:</b>                        | Stainless steel                          |
| <b>Degree of protection:</b>            | IP67                                     |
| <b>Temperature range:</b>               | -40 ÷ +105 °C on request                 |
| <b>Temperature effect on output:</b>    | ±0.001 % of output/°C                    |
| <b>Rated output RO:</b>                 | 2.040 mV/V ±0.1 %                        |
| <b>Zero balance:</b>                    | ±1 % RO                                  |
| <b>Insulation resistance:</b>           | > 4 G Ohm                                |
| <b>Input resistance:</b>                | 350 ±3 Ohm                               |
| <b>Output resistance:</b>               | 350 ±0.5 Ohm                             |
| <b>Recommended input:</b>               | 5 Vdc/ac                                 |
| <b>Maximum supply voltage:</b>          | 18 Vdc/ca                                |
| <b>Material (accessories):</b>          | Yellow chromate steel or stainless steel |
| <b>Ultimate uplift (% of capacity):</b> | 120 % RL                                 |
| <b>Safe uplift:</b>                     | 100 % RL                                 |

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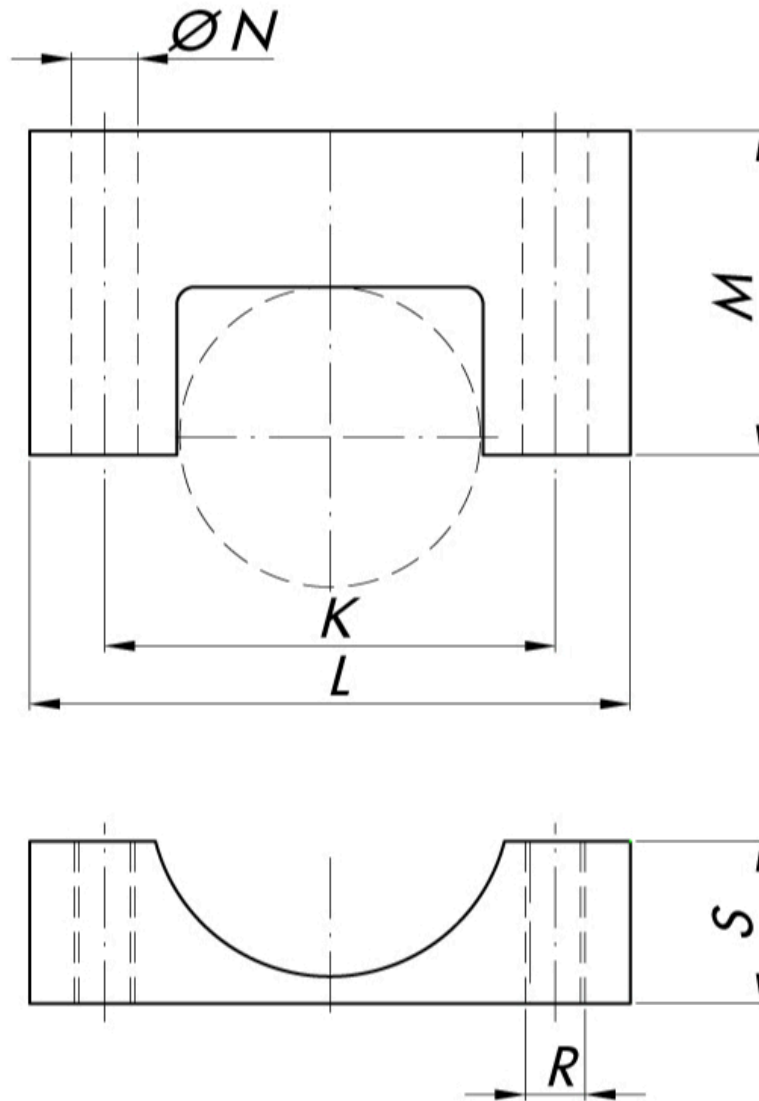
| RANGE kN | ØA | ØB | ØC | D   | E  | F  | G     | H  | J   | K    | L    | ØM  | N  | P   | R  | S  | T  |
|----------|----|----|----|-----|----|----|-------|----|-----|------|------|-----|----|-----|----|----|----|
| 1-2-5    | 34 | 33 | 29 | 169 | 46 | 35 | -     | 10 | 2.5 | 1.6  | -    | 4.4 | 10 | 2.3 | 70 | 15 | 30 |
| 10-20-30 | 51 | 50 | 45 | 213 | 60 | 55 | 97.85 | 13 | 4   | 1.85 | 2.15 | 7.5 | 12 | 5   | 75 | 20 | 46 |

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| RANGE kN | A   | B   | C  | D     | E  | F  | G   | H  | J  | K  | L   | M  | N   | P  | R   | S  | T  |
|----------|-----|-----|----|-------|----|----|-----|----|----|----|-----|----|-----|----|-----|----|----|
| 1-2-5    | 175 | 75  | 14 | 81    | 12 | 51 | 151 | 35 | 31 | 55 | 70  | 41 | 8.5 | 20 | M8  | 19 | 14 |
| 10-20-30 | 204 | 100 | 19 | 107.5 | 12 | 76 | 180 | 55 | 32 | 75 | 100 | 54 | 11  | 20 | M10 | 27 | 14 |

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**TEFLON LINED YOKE**

| RANGE kN | K   | L   | M  | N   | R   | S    | T  |
|----------|-----|-----|----|-----|-----|------|----|
| 1-2-5    | 55  | 75  | 50 | 8.5 | M8  | 14.5 | 25 |
| 10-20-30 | 100 | 125 | 63 | 13  | M12 | 24   | 33 |

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