

## General information

PWS3420260508

The BLH NOBEL KOSD40 load cell is suitable for force measurement. The KOSD40 cell is easy to install and to maintain thanks to its cylindrical shape. The KOSD40 load cell is used for offshore platforms, cranes, tension measurement and level monitoring. The load cell BLH NOBEL KOSD40 is also available for extreme temperature from - 40 to + 100 °C.



## 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](#)

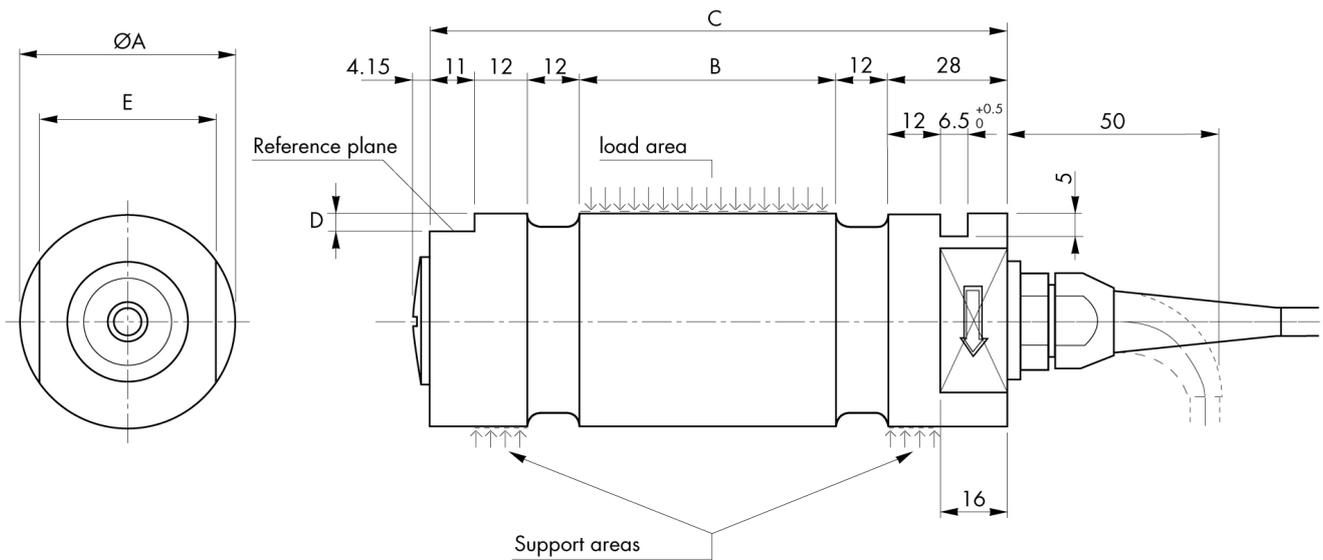
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

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|   |                             |
|---|-----------------------------|
| <b>Rated load RL:</b>                         | 10, 20, 50, 100, 200 kN     |
| <b>Combined error:</b>                        | ±0.5 % RO                   |
| <b>Repeatability:</b>                         | 0.25 % RO                   |
| <b>Safe overload:</b>                         | 100 % RL                    |
| <b>Ultimate overload:</b>                     | 200 % RL                    |
| <b>Safe side load:</b>                        | 100 % RL                    |
| <b>Ultimate side load:</b>                    | 200 % RL                    |
| <b>Material:</b>                              | Stainless steel             |
| <b>Degree of protection:</b>                  | IP67                        |
| <b>Temperature range:</b>                     | -40 ÷ +80 (+100 optional)°C |
| <b>Temperature effect on zero balance:</b>    | ±0.04 % RO/°C               |
| <b>Temperature effect on output:</b>          | ±0.04 % of output/°C        |
| <b>Rated output RO:</b>                       | ±1 mV/V                     |
| <b>Zero balance:</b>                          | ±5 % RO                     |
| <b>Insulation resistance:</b>                 | > 4 G Ohm                   |
| <b>Input resistance:</b>                      | 350 ±5 Ohm                  |
| <b>Output resistance:</b>                     | 350 ±5 Ohm                  |
| <b>Recommended input:</b>                     | 10 Vdc/ac                   |
| <b>Maximum supply voltage:</b>                | 18 Vdc/ac                   |
| <b>Tolerance of shunt calibration values:</b> | ±1 %                        |

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| RANGE kN | ØA    | B  | C   | D | E  |
|----------|-------|----|-----|---|----|
| 10-20-50 | 40 f8 | 35 | 110 | 4 | 32 |
| 100      | 50 f8 | 60 | 135 | 5 | 40 |
| 200      | 70 f8 | 60 | 135 | 5 | 60 |

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