

**EPIC® SENSORS**

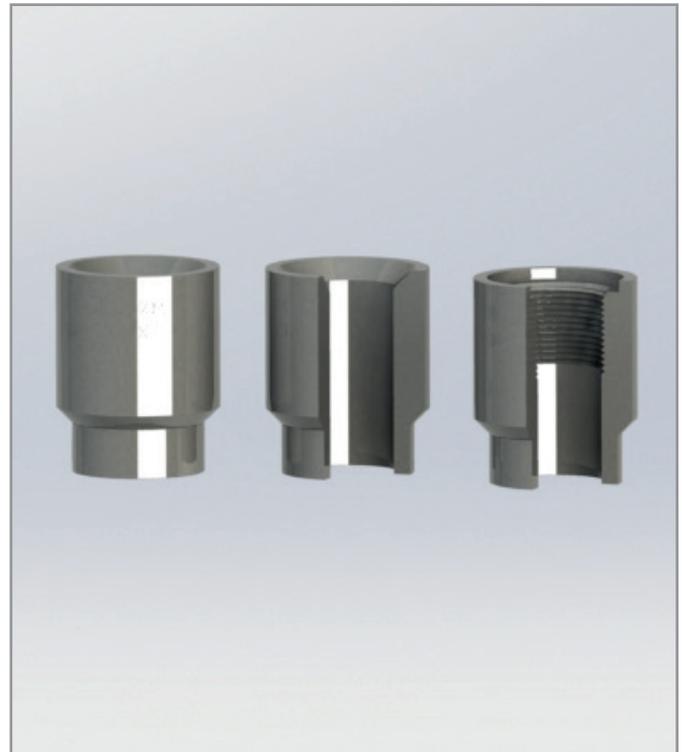
**Welding sleeves**

**Features**

- typically used with welded thermowells or threaded thermowells
- welding sleeves are equipped with or without thread
- threadless sleeve is first welded to the process pipe and then bored to precise inner dimensions, thermowell type D1/S, D4/S, D1, D4 or D5 is then welded to the sleeve
- sleeve and thermowell must be same material for the welding to succeed
- welded thread sleeve is also first welded to process pipe, threaded thermowell is installed to the sleeve after
- 3D step models available on request.

**Typical applications**

- energy and power plant technology
- process industry
- chemical industry
- machinery and vessel construction
- manufacturing industry.



**Technical data**

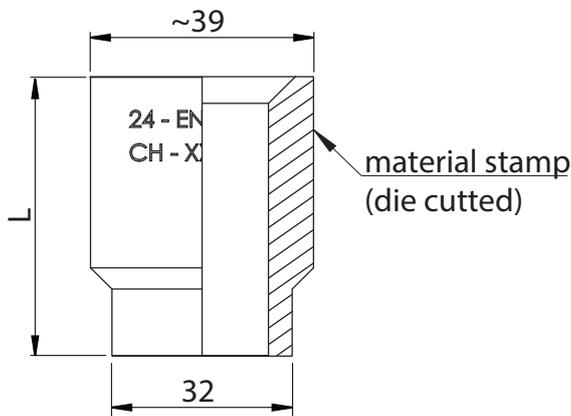
|                            |  |
|----------------------------|--|
| <b>Materials</b>           | L = 13CrMo44 / EN1.7335, max. temperature +550 °C,<br>M = 10CrMo910 / EN1.7380, max. temperature +580 °C,<br>O = 16Mo3 / EN1.5415, max. temperature +480 °C,<br>K = AISI 316L / EN1.4404, max. temperature +600 °C<br>Other materials available on request |
| <b>Thread</b>              | G, R, metric and NPT,<br>Other threads available on request  |
| <b>Internal diameter</b>   | Ø18 mm or Ø24 mm (tolerances class G7 according to ISO 286-2),<br>Other diameters available on request   |
| <b>Quality certificate</b> | ISO 9001:2015 and ISO 14001:2015 issued by DNV   |

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**Drawing**

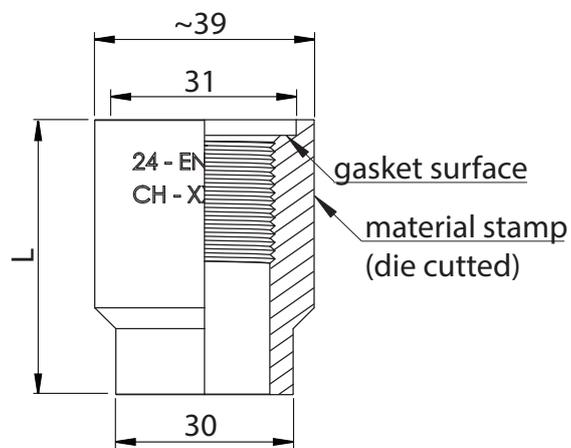
Welding sleeves for welded thermowells:



| Product Code | Internal diameter [mm] | Material     | Tolerance (ISO 286-2) | Compatible thermowell type |
|--------------|------------------------|--------------|-----------------------|----------------------------|
| 1025309      | 18                     | K - EN1.4404 | G7                    | D1S and D4S                |
| 1025312      | 18                     | L - EN1.7335 | G7                    | D1S and D4S                |
| 1025313      | 18                     | M - EN1.7380 | G7                    | D1S and D4S                |
| 918138       | 18                     | O - EN1.5415 | G7                    | D1S and D4S                |
| 912333       | 24                     | K - EN1.4404 | G7                    | D1, D4 and D5              |
| 912331       | 24                     | L - EN1.7335 | G7                    | D1, D4 and D5              |
| 912332       | 24                     | M - EN1.7380 | G7                    | D1, D4 and D5              |
| 912334       | 24                     | O - EN1.5415 | G7                    | D1, D4 and D5              |

G7 tolerance according to ISO 286-2:  
 for 18 mm hole, upper limit deviation +0.024 mm, lower limit deviation +0.006 mm  
 for 24 mm hole, upper limit deviation +0.028 mm, lower limit deviation +0.006 mm

Welded thread sleeves for threaded thermowells:



| Product Code | Thread | Length, L [mm] |
|--------------|--------|----------------|
| 1025314      | G1/2"  | 30             |
| 1002689      | G1/2"  | 70             |
| 1003144      | G1/2"  | 100            |
| 1028394      | G1"    | 70             |