



## Useful accessories: Spot drilling collars

If there is no measuring site with 1/2" ball valve present it can be set up by means of spot drilling collars.

The spot drilling collar is imposed onto the pipe and tightened via thread rods. The enveloping rubber gasket is pressure-tight up to 10 bar. By means of the drilling jig (page 36) it is possible to drill through the 1/2" ball valve into the existing pipe.

Important: Please indicate the exact outer diameter of the existing pipe when placing the order resp. please select the suitable spot drilling collar from the adjoining list.



• Spot drilling collar

Description	Order no.
Spot drilling collar for pipe diameter 026 - 030 mm, incl. 1/2" ball valve	0500 0447
Spot drilling collar for pipe diameter 036 - 040 mm, incl. 1/2" ball valve	0500 0448
Spot drilling collar for pipe diameter 040 - 044 mm, incl. 1/2" ball valve	0500 0449
Spot drilling collar for pipe diameter 048 - 052 mm, incl. 1/2" ball valve	0500 0450
Spot drilling collar for pipe diameter 050 - 057 mm, incl. 1/2" ball valve	0500 0451
Spot drilling collar for pipe diameter 056 - 063 mm, incl. 1/2" ball valve	0500 0452
Spot drilling collar for pipe diameter 058 - 065 mm, incl. 1/2" ball valve	0500 0453
Spot drilling collar for pipe diameter 067 - 074 mm, incl. 1/2" ball valve	0500 0454
Spot drilling collar for pipe diameter 073 - 080 mm, incl. 1/2" ball valve	0500 0455
Spot drilling collar for pipe diameter 076 - 083 mm, incl. 1/2" ball valve	0500 0456
Spot drilling collar for pipe diameter 082 - 089 mm, incl. 1/2" ball valve	0500 0457
Spot drilling collar for pipe diameter 087 - 094 mm, incl. 1/2" ball valve	0500 0458
Spot drilling collar for pipe diameter 091 - 098 mm, incl. 1/2" ball valve	0500 0459
Spot drilling collar for pipe diameter 095 - 102 mm, incl. 1/2" ball valve	0500 0460
Spot drilling collar for pipe diameter 102 - 112 mm, incl. 1/2" ball valve	0500 0461
Spot drilling collar for pipe diameter 108 - 118 mm, incl. 1/2" ball valve	0500 0462
Spot drilling collar for pipe diameter 118 - 128 mm, incl. 1/2" ball valve	0500 0463
Spot drilling collar for pipe diameter 125 - 135 mm, incl. 1/2" ball valve	0500 0464
Spot drilling collar for pipe diameter 132 - 142 mm, incl. 1/2" ball valve	0500 0465
Spot drilling collar for pipe diameter 138 - 148 mm, incl. 1/2" ball valve	0500 0466
Spot drilling collar for pipe diameter 145 - 155 mm, incl. 1/2" ball valve	0500 0467
Spot drilling collar for pipe diameter 151 - 161 mm, incl. 1/2" ball valve	0500 0468
Spot drilling collar for pipe diameter 159 - 170 mm, incl. 1/2" ball valve	0500 0469
Spot drilling collar for pipe diameter 167 - 177 mm, incl. 1/2" ball valve	0500 0470
Spot drilling collar for pipe diameter 176 - 186 mm, incl. 1/2" ball valve	0500 0471
Spot drilling collar for pipe diameter 193 - 203 mm, incl. 1/2" ball valve	0500 0472
Spot drilling collar for pipe diameter 200 - 210 mm, incl. 1/2" ball valve	0500 0473
Spot drilling collar for pipe diameter 209 - 219 mm, incl. 1/2" ball valve	0500 0474

## Thickness meter CS 0495



The entry of the correct inner diameter is essential for an accurate consumption measurement.

The thickness meter CS 0495 enables a quick, easy and accurate measurement of the wall thickness of pipes. So the determination of the inner diameter becomes very easy.

### Technical data CS 0495

<b>Meas. range:</b>	1.5...200 mm, 0.06...8 Inch
<b>Meas. principle:</b>	ultrasonic
<b>Measured materials:</b>	steel, cast iron, aluminium, copper, brass, zinc, quartz glass, polyethylene, PVC, grey iron, nodular cast iron
<b>Calibration block:</b>	included in shipment
<b>Resolution:</b>	0.1 mm
<b>Accuracy:</b>	± (0.5 % n+0.1)
<b>Power supply:</b>	4 x 1.5 V AA (UM-3) batteries
<b>Dimensions:</b>	160 x 68 x 32 mm
<b>Weight:</b>	208 g

Description	Order no.
Thickness meter CS 0495 including case and calibration block	0560 0495