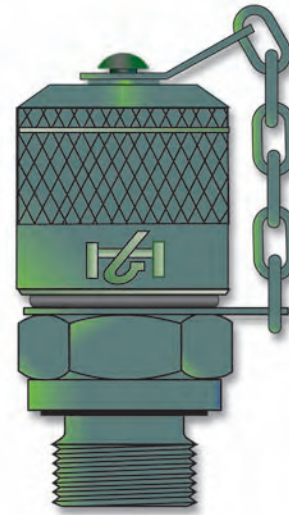
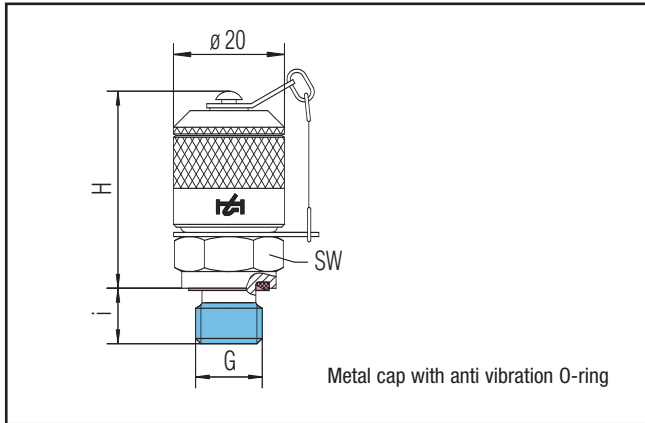


MINIMESS®-1615 Test Points



| Thread G | Type of sealing A | Torque in Nm | Technical data | | | | Material: Free cutting steel 1.0718 | Material: Stainless steel 1.4571 | |
|---------------|----------------------|--------------|----------------|------------|------------|-------------|--|--|----------------------|
| | | | p max | H in mm | i in mm | SW in mm | Metal cap | Metal cap | |
| M 10 x 1 | Form G | 12 | 63 MPa | 37,5 | 8,5 | 17 | Part-number with NBR - sealing 2102-01-33.00 | Part-number with NBR - sealing 2702-01-33.10 on request on request on request 2702-01-18.10 on request | |
| M 12 x 1,5 | Form F | 30 | | 36 | 10 | 17 | | | 2102-01-13.00 |
| M 14 x 1,5 | | 40 | | 36 | 10 | 19 | | | 2102-01-14.00 |
| M 16 x 1,5 | Form B | 60 | | 36 | 10 | 19 | | | 2102-01-50.00 |
| ISO 228-G 1/4 | Form F | 40 | | 36 | 10 | 19 | | | 2102-01-18.00 |
| 1/4 NPTF | Form H | - | | 33 | 16,5 | 17 | | | 2102-01-47.00 |

Option

| | |
|---|-----------|
| For FKM (Viton) Exchange end digits from 00 to 10 | 10 |
|---|-----------|

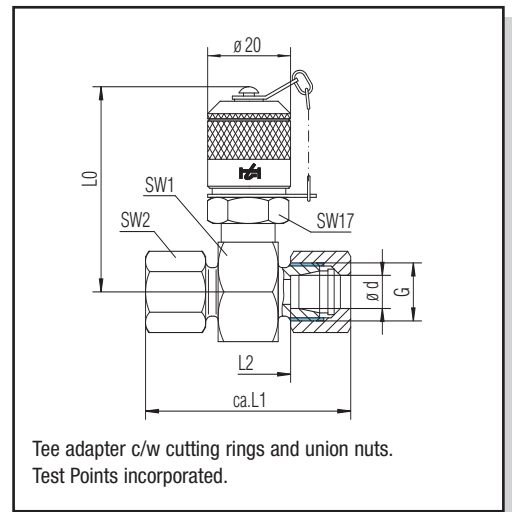
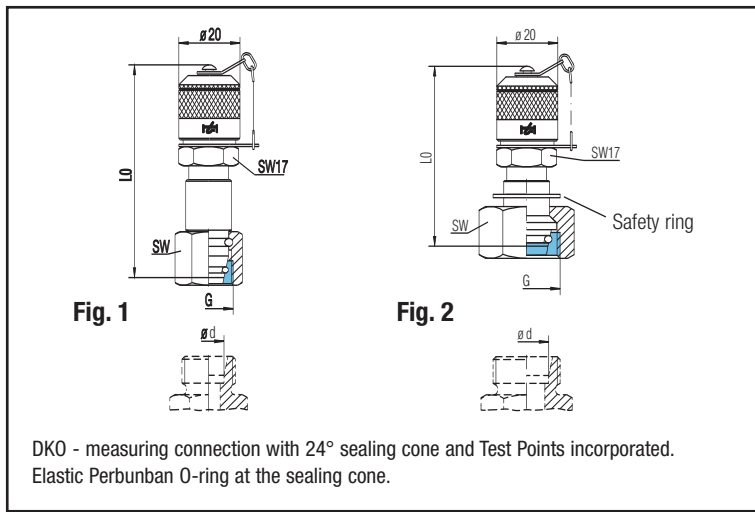
MINIMESS®-1615 Specialised Options

| Thread G | Type of sealing | p max | H in mm | L in mm | SW in mm | Execution all sealing made of Viton | Part-number |
|----------------|-----------------|--------|------------|------------|-------------|--|----------------------|
| M 14 x 1,5 | Gi-ring | 63 MPa | 36 | 12 | 19 | With anti vibration O-ring, alternative housing length | 2102-01-14.48 |
| ISO 228- G 1/4 | Sealing edge | | 38 | 10 | 19 | Low temperature -54°C to +110°C | 2102-01-51.56 |
| M 14 x 1,5 | Gi-ring | | 36 | 12 | 19 | With sintered bronze filter | 2102-72-14.10 |

Other materials, further options, sealing and screw-in threads on request.
We reserve the right to carry out technical modifications.

MINIMESS®-1615 Test Points Metric DKO, Tee Adaptors-1615

For solder free screw-in pipe connections according to DIN 2353; execution free-cutting steel 1.0718; sealing NBR



| Series Ø d | p max | Thread G |
|---------------|----------|-------------|
| L 6 | 31,5 MPa | M 12 x 1,5 |
| L 8 | | M 14 x 1,5 |
| L 10 | | M 16 x 1,5 |
| L 12 | | M 18 x 1,5 |
| L 15 | | M 22 x 1,5 |
| L 18 | 16 MPa | M 26 x 1,5 |
| L 22 | | M 30 x 2 |
| L 28 | | M 36 x 2 |
| L 35 | | M 45 x 2 |
| L 42 | | M 52 x 2 |

| Fig. | L ₀ | SW | Part-number |
|------|----------------|----|----------------------|
| 1 | 69,5 | 14 | 2102-40-06.00 |
| | 69,5 | 17 | 2102-40-08.00 |
| | 69,5 | 19 | 2102-40-10.00 |
| | 65,5 | 22 | 2102-40-12.00 |
| | 59 | 27 | 2102-40-15.00 |
| 2 | 60 | 32 | 2102-40-18.00 |
| | 60 | 36 | 2102-40-22.00 |
| | 61 | 41 | 2102-40-28.00 |
| | 63 | 50 | 2102-40-35.00 |
| | 63 | 60 | 2102-40-42.00 |

| L ₁ | L ₂ | L ₀ | SW ₁ | SW ₂ | Part-number |
|----------------|----------------|----------------|-----------------|-----------------|----------------------|
| 50,5 | 20,5 | 49,5 | 24 | 14 | 2102-11-06.00 |
| 50,5 | 20,5 | 49,5 | 24 | 17 | 2102-11-08.00 |
| 52,5 | 22,5 | 49,5 | 24 | 19 | 2102-11-10.00 |
| 52,5 | 22,5 | 49,5 | 24 | 22 | 2102-11-12.00 |
| 54,5 | 24,5 | 52,5 | 30 | 27 | 2102-11-15.00 |
| 56,5 | 23,5 | 53,5 | 32 | 32 | 2102-11-18.00 |
| 60,5 | 27,5 | 55,5 | 36 | 36 | 2102-11-22.00 |
| 60,5 | 27,5 | 58 | 41 | 41 | 2102-11-28.00 |
| 68,5 | 25,5 | 60,5 | 46 | 50 | 2102-11-35.00 |
| 70,5 | 24,5 | 65 | 55 | 60 | 2102-11-42.00 |

| Series | p max | Thread |
|--------|--------|------------|
| S 6 | 63 MPa | M 14 x 1,5 |
| S 8 | | M 16 x 1,5 |
| S 10 | | M 18 x 1,5 |
| S 12 | | M 20 x 1,5 |
| S 14 | | M 22 x 1,5 |
| S 16 | 40 MPa | M 24 x 1,5 |
| S 20 | | M 30 x 2 |
| S 25 | | M 36 x 2 |
| S 30 | | M 42 x 2 |
| S 38 | | M 52 x 2 |

| Fig. | L ₀ | SW | Part-number |
|------|----------------|----|----------------------|
| 1 | 69,5 | 17 | 2102-41-06.00 |
| | 69,5 | 19 | 2102-41-08.00 |
| | 69,5 | 22 | 2102-41-10.00 |
| | 65,5 | 24 | 2102-41-12.00 |
| | 62,5 | 27 | 2102-41-14.00 |
| 2 | 62,5 | 30 | 2102-41-16.00 |
| | 63 | 36 | 2102-41-20.00 |
| | 64,5 | 46 | 2102-41-25.00 |
| | 66 | 50 | 2102-41-30.00 |
| | 69 | 60 | 2102-41-38.00 |

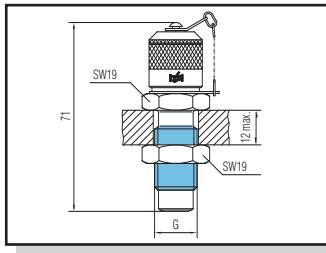
| L ₁ | L ₂ | L ₀ | SW ₁ | SW ₂ | Part-number |
|----------------|----------------|----------------|-----------------|-----------------|----------------------|
| 54,5 | 24,5 | 49,5 | 24 | 17 | 2102-12-06.00 |
| 54,5 | 24,5 | 49,5 | 24 | 19 | 2102-12-08.00 |
| 56,5 | 23,5 | 49,5 | 24 | 22 | 2102-12-10.00 |
| 56,5 | 23,5 | 49,5 | 24 | 24 | 2102-12-12.00 |
| 62,5 | 26,5 | 51 | 27 | 27 | 2102-12-14.00 |
| 62,5 | 25,5 | 52,5 | 30 | 30 | 2102-12-16.00 |
| 68,5 | 25,5 | 55,5 | 36 | 36 | 2102-12-20.00 |
| 74,5 | 26,5 | 58 | 41 | 46 | 2102-12-25.00 |
| 80,5 | 27,5 | 60,5 | 46 | 50 | 2102-12-30.00 |
| 91 | 29 | 65 | 55 | 60 | 2102-12-38.00 |

Option

| | |
|---|-----------|
| All sealing made of Viton with metal cap (when ordering, exchange end digits from 00 to 10) | 10 |
|---|-----------|

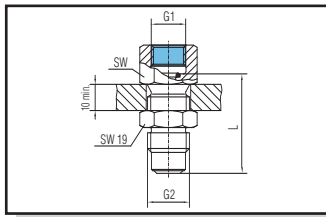
Other materials, further options, sealing and screw-in threads on request.

MINIMESS®-1615 Test Points 1615 Bulkhead Adaptors



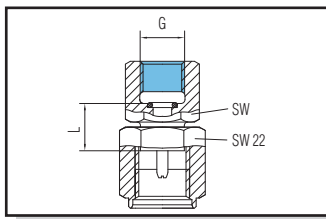
| Thread G | p max | Connection | Part-number |
|------------|--------|---|---------------|
| M 16 x 1,5 | 63 MPa | On both sides MINIMESS® 1615 connection | 2102-04-01.00 |

MINIMESS®-1615 pressure gauge connection for bulkhead fitting



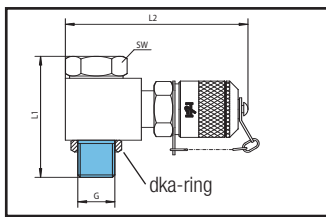
| Internal thread G1 | p max | Connection G2 | L in mm | SW in mm | Note | Part-number |
|--------------------|--------|-------------------|---------|----------|----------------------|---------------|
| ISO 228-G 1/4 | 63 MPa | 1615 / M 16 x 1,5 | 38 | 19 | Without return valve | 2102-05-11.00 |
| ISO 228-G 1/2 | | | 42,5 | 27 | | 2102-05-12.00 |

MINIMESS®-1615 pressure gauge – direct connection



| Internal thread G | p max | L in mm | SW in mm | Part-number |
|-------------------|--------|---------|----------|---------------|
| ISO 228-G 1/4 | 63 MPa | 14,5 | 19 | 2102-07-11.62 |
| ISO 228-G 1/2 | | 17 | 27 | 2102-07-12.62 |
| 1/4 NPT | | – | 19 | 2102-07-23.62 |

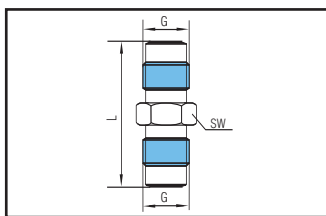
MINIMESS®-1615 Test Points 1615 90° Swivel screw connection



| Thread G | p max | L ₁ in mm | L ₂ in mm | SW in mm | Part-number |
|---------------|--------|----------------------|----------------------|----------|---------------|
| ISO 228-G 1/4 | 63 MPa | 43 | 69,5 | 19 | 2115-22-24.00 |

Sealing on screw-in thread (hollow screw) via dka-ring, on hexagon via Gi-ring (NBR).
Other options on request.

MINIMESS®-1615 Hose Adaptors



| Thread G | p max | L in mm | SW in mm | Note | Part-number |
|------------------------------|--------|---------|----------|----------------------|---------------|
| MINIMESS® 1615 M 16 x 1,5 | 63 MPa | 42 | 17 | Without return valve | 2146-10-00.00 |

Other materials, further options, sealing and screw-in threads on request.

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