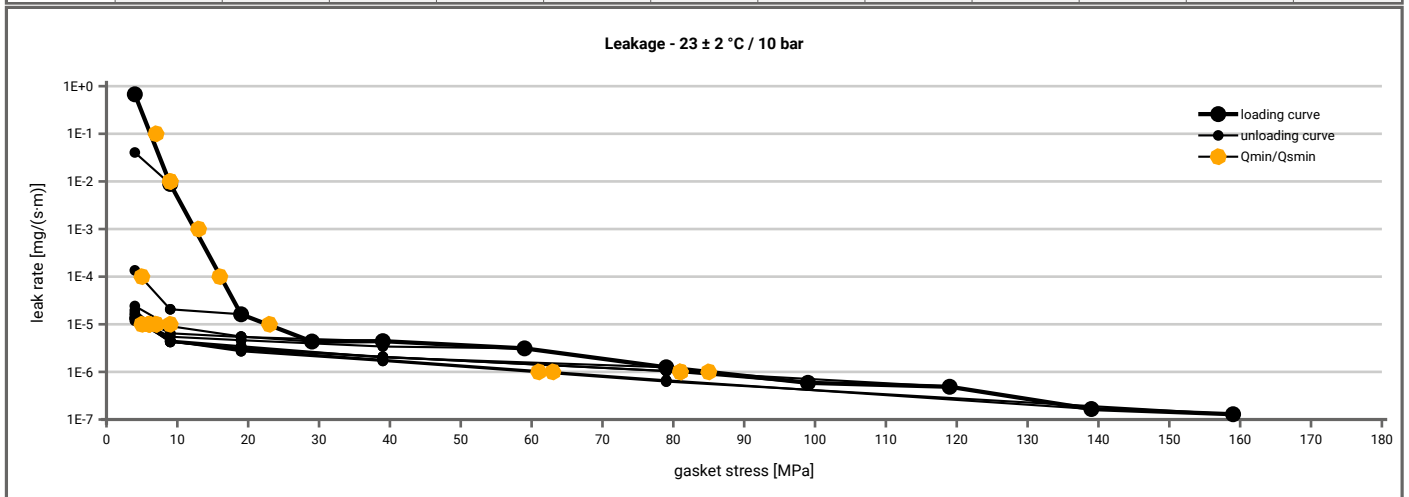
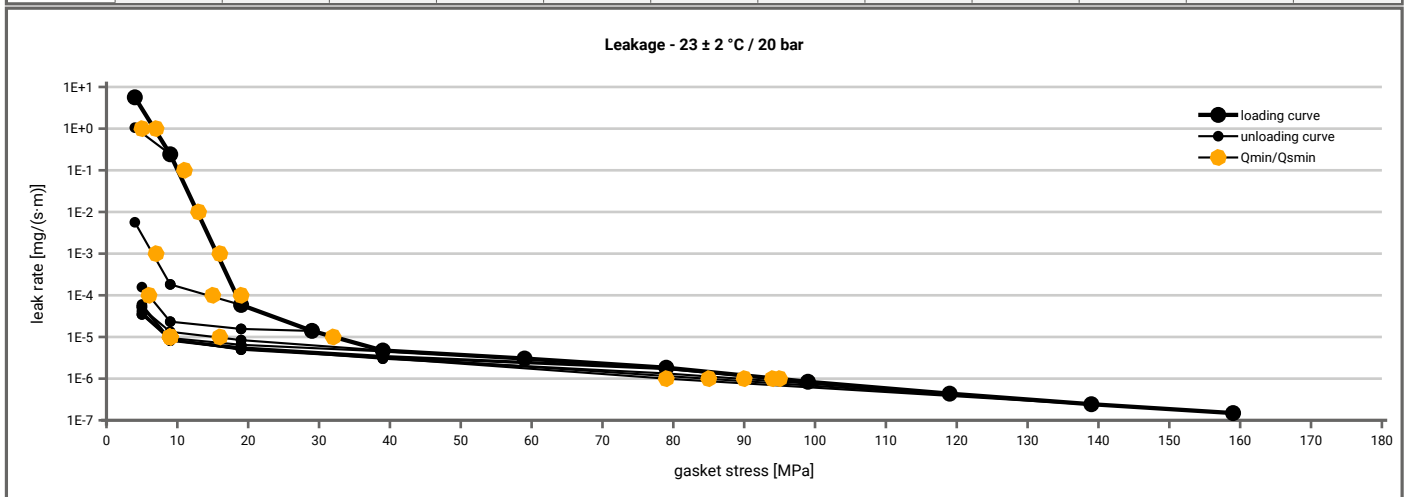


|                      |  |  |
|----------------------|--|--|
| Manufacturer address | Garlock GmbH, Falkenweg 1, 41468 Neuss, DE | According to<br><b>EN 13555</b><br><b>2021-4</b> |
| Product name         | Gylon® Style 3510                          |  |
| Product dimensions   | 92 x 49 x 2 mm                             |  |

| Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 10$ bar ( $T = 23 \pm 2$ °C) |                    |                     |                  |                  |                  |                  |                  |                  |                   |                   |                   |                   |
|--|--------------------|---------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|
| L [mg/(s·m)]   | $Q_{min(L)}$ [MPa] | $Q_{smin(L)}$ [MPa] |                  |                  |                  |                  |                  |                  |                   |                   |                   |                   |
|  |                    | $Q_A = 5$ [MPa]     | $Q_A = 10$ [MPa] | $Q_A = 20$ [MPa] | $Q_A = 30$ [MPa] | $Q_A = 40$ [MPa] | $Q_A = 60$ [MPa] | $Q_A = 80$ [MPa] | $Q_A = 100$ [MPa] | $Q_A = 120$ [MPa] | $Q_A = 140$ [MPa] | $Q_A = 160$ [MPa] |
| 1E-0   | 5                  |                     | 5                | 5                | 5                | 5                | 5                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-1   | 7                  |                     | 5                | 5                | 5                | 5                | 5                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-2   | 10                 |                     | 9                | 5                | 5                | 5                | 5                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-3   | 13                 |                     |                  | 5                | 5                | 5                | 5                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-4   | 17                 |                     |                  | 6                | 5                | 5                | 5                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-5   | 23                 |                     |                  |                  | 9                | 7                | 6                | 6                | 6                 | 6                 | 7                 | 7                 |
| 1E-6   | 86                 |                     |                  |                  |                  |                  |                  |                  | 81                | 82                | 63                | 61                |
| 1E-7   |                    |                     |                  |                  |                  |                  |                  |                  |                   |                   |                   |                   |
| 1E-8   |                    |                     |                  |                  |                  |                  |                  |                  |                   |                   |                   |                   |



| Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 20$ bar ( $T = 23 \pm 2$ °C) |                    |                     |                  |                  |                  |                  |                  |                  |                   |                   |                   |                   |
|--|--------------------|---------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|
| L [mg/(s·m)]   | $Q_{min(L)}$ [MPa] | $Q_{smin(L)}$ [MPa] |                  |                  |                  |                  |                  |                  |                   |                   |                   |                   |
|  |                    | $Q_A = 5$ [MPa]     | $Q_A = 10$ [MPa] | $Q_A = 20$ [MPa] | $Q_A = 30$ [MPa] | $Q_A = 40$ [MPa] | $Q_A = 60$ [MPa] | $Q_A = 80$ [MPa] | $Q_A = 100$ [MPa] | $Q_A = 120$ [MPa] | $Q_A = 140$ [MPa] | $Q_A = 160$ [MPa] |
| 1E+1   | 5                  |                     | 5                | 5                | 5                | 5                | 5                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-0   | 8                  |                     | 5                | 5                | 5                | 5                | 5                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-1   | 11                 |                     |                  | 5                | 5                | 5                | 5                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-2   | 14                 |                     |                  | 5                | 5                | 5                | 5                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-3   | 16                 |                     |                  | 7                | 5                | 5                | 5                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-4   | 19                 |                     |                  | 15               | 6                | 5                | 5                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-5   | 33                 |                     |                  |                  |                  | 16               | 10               | 9                | 9                 | 10                | 9                 | 10                |
| 1E-6   | 95                 |                     |                  |                  |                  |                  |                  |                  | 95                | 90                | 85                | 80                |
| 1E-7   |                    |                     |                  |                  |                  |                  |                  |                  |                   |                   |                   |                   |
| 1E-8   |                    |                     |                  |                  |                  |                  |                  |                  |                   |                   |                   |                   |



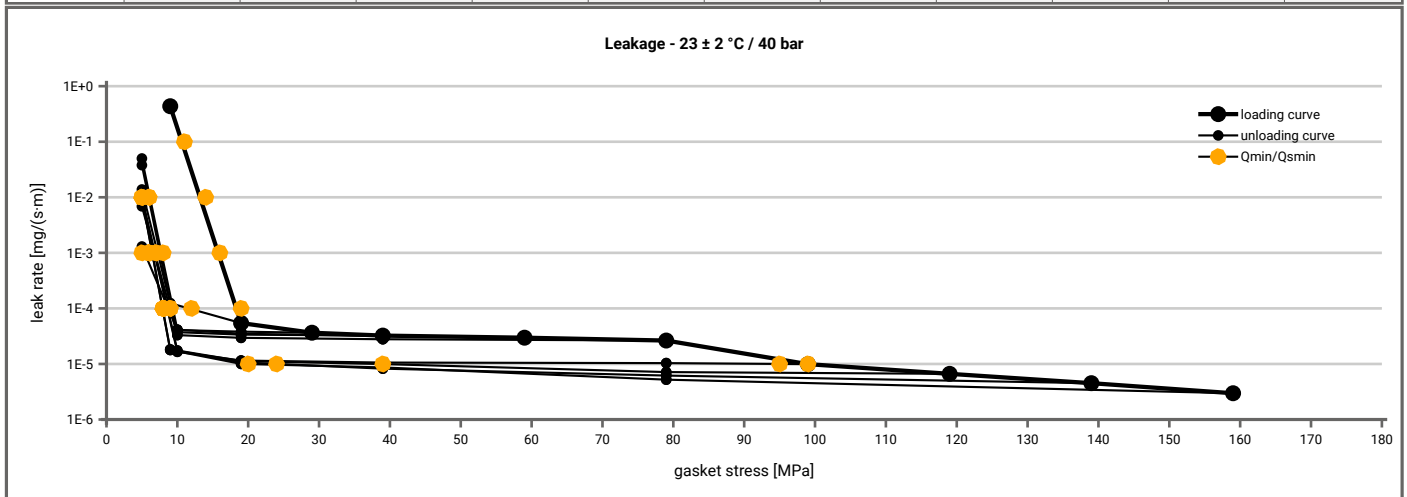
Note: the content of darkened cells was not determined respectively is unnecessary

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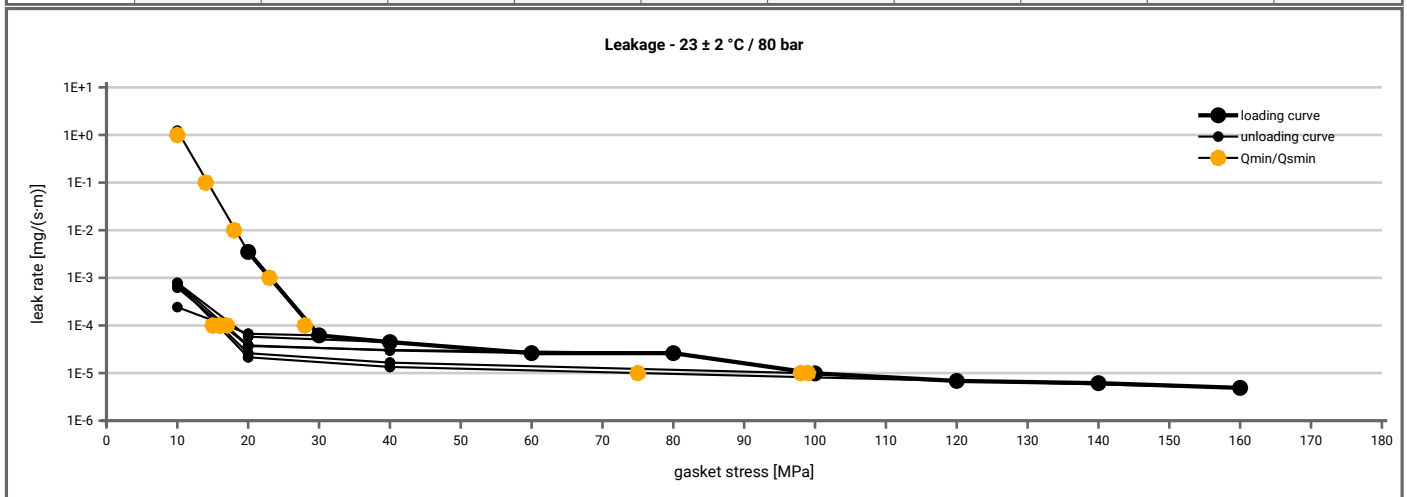
Creation date of this sheet: 2021-03-25

|                      |  |  |
|----------------------|--|--|
| Manufacturer address | Garlock GmbH, Falkenweg 1, 41468 Neuss, DE | According to<br><b>EN 13555</b><br><b>2021-4</b> |
| Product name         | Gylon® Style 3510                          |  |
| Product dimensions   | 92 x 49 x 2 mm                             |  |

| Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 40$ bar ( $T = 23 \pm 2$ °C) |                    |                     |                  |                  |                  |                  |                  |                   |                   |                   |                   |
|--|--------------------|---------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|
| L [mg/(s·m)]   | $Q_{min(L)}$ [MPa] | $Q_{smin(L)}$ [MPa] |                  |                  |                  |                  |                  |                   |                   |                   |                   |
|  |                    | $Q_A = 10$ [MPa]    | $Q_A = 20$ [MPa] | $Q_A = 30$ [MPa] | $Q_A = 40$ [MPa] | $Q_A = 60$ [MPa] | $Q_A = 80$ [MPa] | $Q_A = 100$ [MPa] | $Q_A = 120$ [MPa] | $Q_A = 140$ [MPa] | $Q_A = 160$ [MPa] |
| 1E-0   | 10                 |                     | 5                | 5                | 5                | 5                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-1   | 11                 |                     | 5                | 5                | 5                | 5                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-2   | 14                 |                     | 6                | 5                | 5                | 6                | 5                | 5                 | 5                 | 5                 | 5                 |
| 1E-3   | 17                 |                     | 8                | 5                | 7                | 8                | 7                | 7                 | 7                 | 7                 | 7                 |
| 1E-4   | 19                 |                     | 13               | 9                | 9                | 9                | 9                | 9                 | 9                 | 9                 | 9                 |
| 1E-5   | 100                |                     |                  |                  |                  |                  |                  | 96                | 39                | 25                | 20                |
| 1E-6   |                    |                     |                  |                  |                  |                  |                  |                   |                   |                   |                   |
| 1E-7   |                    |                     |                  |                  |                  |                  |                  |                   |                   |                   |                   |
| 1E-8   |                    |                     |                  |                  |                  |                  |                  |                   |                   |                   |                   |



| Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 80$ bar ( $T = 23 \pm 2$ °C) |                    |                     |                  |                  |                  |                  |                   |                   |                   |                   |    |
|--|--------------------|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|----|
| L [mg/(s·m)]   | $Q_{min(L)}$ [MPa] | $Q_{smin(L)}$ [MPa] |                  |                  |                  |                  |                   |                   |                   |                   |    |
|  |                    | $Q_A = 20$ [MPa]    | $Q_A = 30$ [MPa] | $Q_A = 40$ [MPa] | $Q_A = 60$ [MPa] | $Q_A = 80$ [MPa] | $Q_A = 100$ [MPa] | $Q_A = 120$ [MPa] | $Q_A = 140$ [MPa] | $Q_A = 160$ [MPa] |    |
| 1E+1   | 20                 | 10                  | 10               | 10               | 10               | 10               | 10                | 10                |                   |                   | 10 |
| 1E-0   | 20                 | 10                  | 10               | 10               | 10               | 10               | 10                | 10                |                   |                   | 10 |
| 1E-1   | 20                 | 14                  | 10               | 10               | 10               | 10               | 10                | 10                |                   |                   | 10 |
| 1E-2   | 20                 | 18                  | 10               | 10               | 10               | 10               | 10                | 10                |                   |                   | 10 |
| 1E-3   | 23                 |                     | 10               | 10               | 10               | 10               | 10                | 10                |                   |                   | 10 |
| 1E-4   | 29                 |                     | 17               | 18               | 17               | 16               | 16                | 16                |                   |                   | 16 |
| 1E-5   | 100                |                     |                  |                  |                  |                  |                   | 98                |                   |                   | 75 |
| 1E-6   |                    |                     |                  |                  |                  |                  |                   |                   |                   |                   |    |
| 1E-7   |                    |                     |                  |                  |                  |                  |                   |                   |                   |                   |    |
| 1E-8   |                    |                     |                  |                  |                  |                  |                   |                   |                   |                   |    |

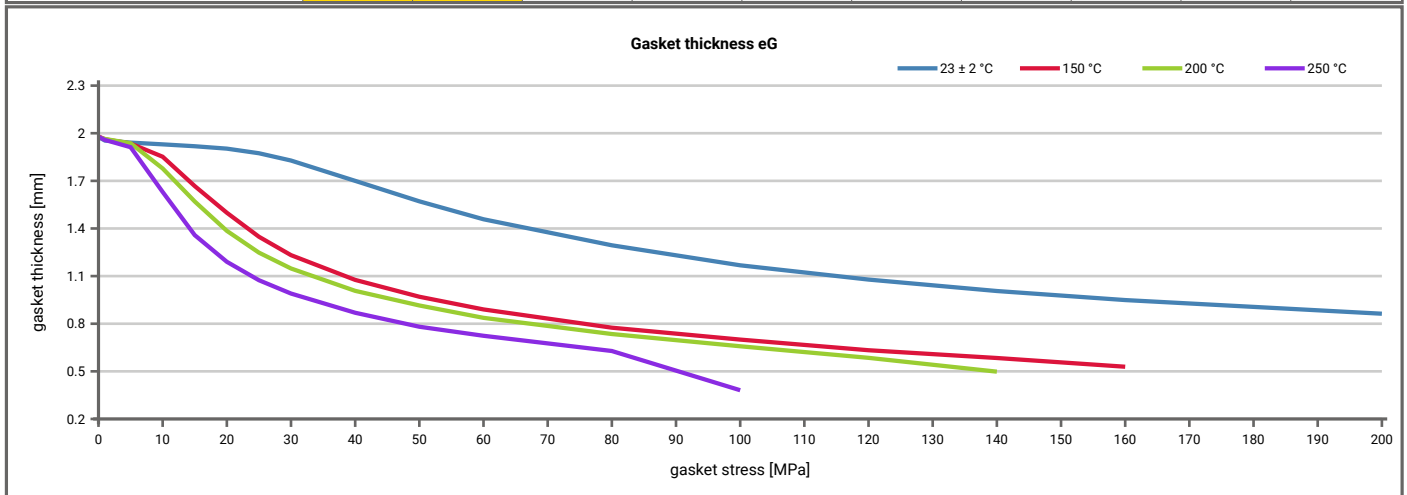


Note: the content of darkened cells was not determined respectively is unnecessary      Rev.-No.: 4      Creation date of this sheet: 2021-03-25

|                             |  |  |
|-----------------------------|--|--|
| <b>Manufacturer address</b> | Garlock GmbH, Falkenweg 1, 41468 Neuss, DE | According to<br><b>EN 13555</b><br><b>2021-4</b> |
| <b>Product name</b>         | Gylon® Style 3510                          |  |
| <b>Product dimensions</b>   | 92 x 49 x 2 mm                             |  |

| Relaxation ratio $P_{QR}$ for stiffness $C = 500$ [kN/mm]                          |           |                      |                        |                      |                        |                      |                        |                      |          |                      |
|--|-----------|----------------------|------------------------|----------------------|------------------------|----------------------|------------------------|----------------------|----------|----------------------|
| Gasket stress  | 23 ± 2 °C |                      | Temperature 1 [150 °C] |                      | Temperature 2 [200 °C] |                      | Temperature 3 [250 °C] |                      | $P_{QR}$ | $\Delta e_{Gc}$ [µm] |
|  | $P_{QR}$  | $\Delta e_{Gc}$ [µm] | $P_{QR}$               | $\Delta e_{Gc}$ [µm] | $P_{QR}$               | $\Delta e_{Gc}$ [µm] | $P_{QR}$               | $\Delta e_{Gc}$ [µm] |          |                      |
| Stress level 1 [10 MPa]  | 0.89      | 10                   | 0.87                   | 11                   | 0.61                   | 33                   | 0.58                   | 36                   |          |                      |
| Stress level 2 [30 MPa]  | 0.90      | 26                   | 0.50                   | 126                  | 0.34                   | 166                  | 0.30                   | 176                  |          |                      |
| Stress level 3 [35 MPa]  |           |                      |                        |                      |                        |                      | 0.26                   | 219                  |          |                      |
| Stress level 4 [40 MPa]  |           |                      | 0.44                   | 190                  | 0.35                   | 220                  |                        |                      |          |                      |
| Stress level 5 [60 MPa]  | 0.82      | 93                   |                        |                      |                        |                      |                        |                      |          |                      |
|  |           |                      |                        |                      |                        |                      |                        |                      |          |                      |
|  |           |                      |                        |                      |                        |                      |                        |                      |          |                      |
| $P_{QR}$ and $\Delta e_{Gc}$ at maximum gasket stress to be applied ( $Q_{smax}$ ) |           |                      |                        |                      |                        |                      |                        |                      |          |                      |
| $P_{QR}$ at $Q_{smax}$   | 0.94      | 109                  | 0.73                   | 363                  | 0.71                   | 341                  | 0.45                   | 466                  |          |                      |
| $Q_{smax}$   | 200 MPa   |                      | 160 MPa                |                      | 140 MPa                |                      | 100 MPa                |                      |          |                      |

| Sekant unloading modulus of the gasket $E_G$ [MPa] and gasket thickness $e_G$ [mm] |             |            |                        |            |                        |            |                        |            |             |            |
|--|-------------|------------|------------------------|------------|------------------------|------------|------------------------|------------|-------------|------------|
| Gasket stress [MPa]  | 23 ± 2 °C   |            | Temperature 1 [150 °C] |            | Temperature 2 [200 °C] |            | Temperature 3 [250 °C] |            | $E_G$ [MPa] | $e_G$ [mm] |
|  | $E_G$ [MPa] | $e_G$ [mm] | $E_G$ [MPa]            | $e_G$ [mm] | $E_G$ [MPa]            | $e_G$ [mm] | $E_G$ [MPa]            | $e_G$ [mm] |             |            |
| 0  | 0           | 1.976      | 0                      | 1.980      | 0                      | 1.974      | 0                      | 1.978      |             |            |
| 1  | 0           | 1.954      | 0                      | 1.962      | 0                      | 1.964      | 0                      | 1.958      |             |            |
| 5  | 1883        | 1.941      | 2431                   | 1.935      | 1522                   | 1.937      | 745                    | 1.912      |             |            |
| 10   | 1895        | 1.930      | 644                    | 1.852      | 649                    | 1.778      | 543                    | 1.630      |             |            |
| 15   | 2065        | 1.918      | 741                    | 1.667      | 768                    | 1.570      | 683                    | 1.358      |             |            |
| 20   | 2509        | 1.903      | 1310                   | 1.499      | 663                    | 1.385      | 592                    | 1.190      |             |            |
| 25   | 2132        | 1.874      | 1052                   | 1.348      | 917                    | 1.248      | 740                    | 1.074      |             |            |
| 30   | 2400        | 1.828      | 928                    | 1.232      | 1034                   | 1.148      | 767                    | 0.990      |             |            |
| 40   | 2848        | 1.700      | 1097                   | 1.076      | 1398                   | 1.007      | 1173                   | 0.869      |             |            |
| 50   | 2676        | 1.571      | 1482                   | 0.970      | 1212                   | 0.915      | 1047                   | 0.781      |             |            |
| 60   | 4306        | 1.458      | 1555                   | 0.890      | 1377                   | 0.837      | 1397                   | 0.724      |             |            |
| 80   | 6233        | 1.294      | 1801                   | 0.775      | 1885                   | 0.735      | 2256                   | 0.628      |             |            |
| 100  | 5602        | 1.168      | 2901                   | 0.700      | 1765                   | 0.658      | 1877                   | 0.381      |             |            |
| 120  | 5747        | 1.078      | 2202                   | 0.633      | 1998                   | 0.585      |                        |            |             |            |
| 140  | 4927        | 1.006      | 4083                   | 0.584      | 1952                   | 0.498      |                        |            |             |            |
| 160  | 5562        | 0.949      | 4890                   | 0.529      |                        |            |                        |            |             |            |
| 180  | 5412        | 0.906      |                        |            |                        |            |                        |            |             |            |
| 200  | 4751        | 0.863      |                        |            |                        |            |                        |            |             |            |



Fields marked: Intrusion into bore was detected. Determined after the corresponding  $P_{QR}$ -Test.