



Poptávka

## JÍMKY TW45

Série TW45

TW45F-3244415

Jímka 10x8x0,9mm G1/2 G1/2F L=232mm

- Materiál nerez
- Připojení G



## POPIS PRODUKTU

## SPECIFIKACE

Insertion length 232 mm

Inside diameter 8 mm

Materiál Nerez ocel

Průměr 10 mm

Thickness 0,9 mm

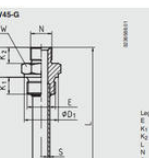
Dimensions in mm

Model TW45-F

Legend:

- E Process connection
- N Length of female thread
- Ø d1 Length of male thread
- Ø D1 Overall length
- K1 Connection to thermometer
- K2 Tip thickness
- S Wall thickness
- S1 Tip thickness
- SW Flange
- U1 Insertion length
- Ø F1 Bore size
- Ø D1 Diameter of the sealing collar
- Ø F1 Thermowell external diameter

| Material                                              | Dimensions in mm                                      | Weight in kg           |
|-------------------------------------------------------|-------------------------------------------------------|------------------------|
|                                                       | E N Ø d1 Ø D1 K1 K2 S S1 SW U1 Ø F1                   | U1 = 83 mm U1 = 232 mm |
| Stainless steel 1.4571                                | G 1/2 G 1/2 7 26 12 19 15 14 2,5 3,5 27 0,15 0,33     |                        |
| G 1/2 G 1/2 9 26 14 19 15 14 2,5 3,5 27 0,15 0,36     |                                                       |                        |
| G 1/2 G 1/2 11 26 14 19 15 14 1,5 2,5 27 0,12 0,28    |                                                       |                        |
| G 1/2 G 1/2 8 26 8 19 15 14 0,9 1 27 0,12 0,18        |                                                       |                        |
| G 1/2 G 1/2 8,2 26 10 19 15 14 0,9 1 27 0,12 0,18     |                                                       |                        |
| G 1/2 G 1/2 10,2 26 12 19 15 14 0,9 1 27 0,12 0,19    |                                                       |                        |
| G 1/2 G 1/2 7 32 12 19 15 16 2,5 3,5 32 0,24 0,42     |                                                       |                        |
| G 1/2 G 1/2 9 32 14 19 15 16 2,5 3,5 32 0,24 0,45     |                                                       |                        |
| G 1/2 G 1/2 11 32 14 19 15 16 1,5 2,5 32 0,22 0,37    |                                                       |                        |
| G 1/2 G 1/2 8,2 32 8 19 15 16 0,9 1 32 0,21 0,27      |                                                       |                        |
| G 1/2 G 1/2 8,2 32 10 19 15 16 0,9 1 32 0,21 0,27     |                                                       |                        |
| G 1/2 G 1/2 10,2 32 12 19 15 16 0,9 1 32 0,21 0,28    |                                                       |                        |
| G 1/2 G 1/2 7 32 12 22 17 16 2,5 3,5 32 0,20 0,38     |                                                       |                        |
| G 1/2 G 1/2 9 32 14 22 17 16 2,5 3,5 32 0,20 0,41     |                                                       |                        |
| G 1/2 G 1/2 11 32 14 22 17 16 1,5 2,5 32 0,18 0,33    |                                                       |                        |
| G 1/2 G 1/2 8,2 32 8 22 17 16 0,9 1 32 0,17 0,23      |                                                       |                        |
| G 1/2 G 1/2 8,2 32 10 22 17 16 0,9 1 32 0,17 0,23     |                                                       |                        |
| G 1/2 G 1/2 10,2 32 12 22 17 16 0,9 1 32 0,17 0,24    |                                                       |                        |
| Copper                                                | G 1/2 G 1/2 8,5 32 10 19 15 14 0,75 0,75 27 0,11 0,18 |                        |
| G 1/2 G 1/2 8,5 32 10 19 15 16 0,75 0,75 32 0,23 0,29 |                                                       |                        |

| <p>Model TW45-G</p>  | <p>Legend:</p> <ul style="list-style-type: none"> <li>E Process connection</li> <li>N Length of male thread</li> <li>Ø d1 Length of male thread for thermometer</li> <li>Ø D1 Overall length</li> <li>K1 Connection to thermometer</li> <li>K2 Tip thickness</li> <li>S Wall thickness</li> <li>S1 Tip thickness</li> <li>SW Flange</li> <li>U1 Insertion length</li> <li>Ø F1 Bore size</li> <li>Ø D1 Diameter of the sealing collar</li> <li>Ø F1 Thermowell external diameter</li> </ul> <table> <tr> <th>Material</th><th colspan="11">Dimensions in mm</th><th>Weight in kg</th></tr> <tr> <th></th><th>E</th><th>N</th><th>Ø d1</th><th>Ø D1</th><th>K1</th><th>K2</th><th>S</th><th>S1</th><th>SW</th><th>U1</th><th>Ø F1</th><th>U1 = 73 mm</th><th>U1 = 410 mm</th></tr> <tr> <td>Stainless steel 1.4571</td><td>G 1/2</td><td>G 1/2</td><td>7</td><td>26</td><td>12</td><td>14</td><td>12</td><td>2,5</td><td>3,5</td><td>27</td><td>0,14</td><td>0,34</td><td></td></tr> <tr> <td></td><td>G 1/2</td><td>G 1/2</td><td>9</td><td>26</td><td>14</td><td>14</td><td>12</td><td>2,5</td><td>3,5</td><td>27</td><td>0,14</td><td>0,37</td><td></td></tr> <tr> <td></td><td>G 1/2</td><td>G 1/2</td><td>11</td><td>26</td><td>14</td><td>14</td><td>12</td><td>1,5</td><td>2,5</td><td>27</td><td>0,12</td><td>0,30</td><td></td></tr> <tr> <td></td><td>G 1/2</td><td>G 1/2</td><td>8,2</td><td>26</td><td>8</td><td>14</td><td>12</td><td>0,9</td><td>1</td><td>27</td><td>0,13</td><td>0,20</td><td></td></tr> <tr> <td></td><td>G 1/2</td><td>G 1/2</td><td>10,2</td><td>26</td><td>10</td><td>14</td><td>12</td><td>0,9</td><td>1</td><td>27</td><td>0,13</td><td>0,20</td><td></td></tr> <tr> <td></td><td>G 1/2</td><td>G 1/2</td><td>7</td><td>32</td><td>12</td><td>16</td><td>14</td><td>2,5</td><td>3,5</td><td>32</td><td>0,22</td><td>0,43</td><td></td></tr> <tr> <td></td><td>G 1/2</td><td>G 1/2</td><td>9</td><td>32</td><td>14</td><td>16</td><td>14</td><td>2,5</td><td>3,5</td><td>32</td><td>0,22</td><td>0,46</td><td></td></tr> <tr> <td></td><td>G 1/2</td><td>G 1/2</td><td>11</td><td>32</td><td>14</td><td>16</td><td>14</td><td>1,5</td><td>2,5</td><td>32</td><td>0,20</td><td>0,38</td><td></td></tr> <tr> <td></td><td>G 1/2</td><td>G 1/2</td><td>8,2</td><td>32</td><td>8</td><td>16</td><td>14</td><td>0,9</td><td>1</td><td>32</td><td>0,21</td><td>0,28</td><td></td></tr> <tr> <td></td><td>G 1/2</td><td>G 1/2</td><td>8,2</td><td>32</td><td>10</td><td>16</td><td>14</td><td>0,9</td><td>1</td><td>32</td><td>0,21</td><td>0,28</td><td></td></tr> <tr> <td></td><td>G 1/2</td><td>G 1/2</td><td>10,2</td><td>32</td><td>12</td><td>16</td><td>14</td><td>0,9</td><td>1</td><td>32</td><td>0,20</td><td>0,27</td><td></td></tr> </table> | Material | Dimensions in mm |      |    |    |    |     |     |    |      |              |             | Weight in kg |  | E | N | Ø d1 | Ø D1 | K1 | K2 | S | S1 | SW | U1 | Ø F1 | U1 = 73 mm | U1 = 410 mm | Stainless steel 1.4571 | G 1/2 | G 1/2 | 7 | 26 | 12 | 14 | 12 | 2,5 | 3,5 | 27 | 0,14 | 0,34 |  |  | G 1/2 | G 1/2 | 9 | 26 | 14 | 14 | 12 | 2,5 | 3,5 | 27 | 0,14 | 0,37 |  |  | G 1/2 | G 1/2 | 11 | 26 | 14 | 14 | 12 | 1,5 | 2,5 | 27 | 0,12 | 0,30 |  |  | G 1/2 | G 1/2 | 8,2 | 26 | 8 | 14 | 12 | 0,9 | 1 | 27 | 0,13 | 0,20 |  |  | G 1/2 | G 1/2 | 10,2 | 26 | 10 | 14 | 12 | 0,9 | 1 | 27 | 0,13 | 0,20 |  |  | G 1/2 | G 1/2 | 7 | 32 | 12 | 16 | 14 | 2,5 | 3,5 | 32 | 0,22 | 0,43 |  |  | G 1/2 | G 1/2 | 9 | 32 | 14 | 16 | 14 | 2,5 | 3,5 | 32 | 0,22 | 0,46 |  |  | G 1/2 | G 1/2 | 11 | 32 | 14 | 16 | 14 | 1,5 | 2,5 | 32 | 0,20 | 0,38 |  |  | G 1/2 | G 1/2 | 8,2 | 32 | 8 | 16 | 14 | 0,9 | 1 | 32 | 0,21 | 0,28 |  |  | G 1/2 | G 1/2 | 8,2 | 32 | 10 | 16 | 14 | 0,9 | 1 | 32 | 0,21 | 0,28 |  |  | G 1/2 | G 1/2 | 10,2 | 32 | 12 | 16 | 14 | 0,9 | 1 | 32 | 0,20 | 0,27 |  |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------|------|----|----|----|-----|-----|----|------|--------------|-------------|--------------|--|---|---|------|------|----|----|---|----|----|----|------|------------|-------------|------------------------|-------|-------|---|----|----|----|----|-----|-----|----|------|------|--|--|-------|-------|---|----|----|----|----|-----|-----|----|------|------|--|--|-------|-------|----|----|----|----|----|-----|-----|----|------|------|--|--|-------|-------|-----|----|---|----|----|-----|---|----|------|------|--|--|-------|-------|------|----|----|----|----|-----|---|----|------|------|--|--|-------|-------|---|----|----|----|----|-----|-----|----|------|------|--|--|-------|-------|---|----|----|----|----|-----|-----|----|------|------|--|--|-------|-------|----|----|----|----|----|-----|-----|----|------|------|--|--|-------|-------|-----|----|---|----|----|-----|---|----|------|------|--|--|-------|-------|-----|----|----|----|----|-----|---|----|------|------|--|--|-------|-------|------|----|----|----|----|-----|---|----|------|------|--|
| Material                                                                                                | Dimensions in mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                  |      |    |    |    |     |     |    |      | Weight in kg |             |              |  |   |   |      |      |    |    |   |    |    |    |      |            |             |                        |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |     |    |    |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |
|                                                                                                         | E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | N        | Ø d1             | Ø D1 | K1 | K2 | S  | S1  | SW  | U1 | Ø F1 | U1 = 73 mm   | U1 = 410 mm |              |  |   |   |      |      |    |    |   |    |    |    |      |            |             |                        |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |     |    |    |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |
| Stainless steel 1.4571                                                                                  | G 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | G 1/2    | 7                | 26   | 12 | 14 | 12 | 2,5 | 3,5 | 27 | 0,14 | 0,34         |             |              |  |   |   |      |      |    |    |   |    |    |    |      |            |             |                        |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |     |    |    |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |
|                                                                                                         | G 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | G 1/2    | 9                | 26   | 14 | 14 | 12 | 2,5 | 3,5 | 27 | 0,14 | 0,37         |             |              |  |   |   |      |      |    |    |   |    |    |    |      |            |             |                        |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |     |    |    |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |
|                                                                                                         | G 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | G 1/2    | 11               | 26   | 14 | 14 | 12 | 1,5 | 2,5 | 27 | 0,12 | 0,30         |             |              |  |   |   |      |      |    |    |   |    |    |    |      |            |             |                        |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |     |    |    |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |
|                                                                                                         | G 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | G 1/2    | 8,2              | 26   | 8  | 14 | 12 | 0,9 | 1   | 27 | 0,13 | 0,20         |             |              |  |   |   |      |      |    |    |   |    |    |    |      |            |             |                        |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |     |    |    |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |
|                                                                                                         | G 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | G 1/2    | 10,2             | 26   | 10 | 14 | 12 | 0,9 | 1   | 27 | 0,13 | 0,20         |             |              |  |   |   |      |      |    |    |   |    |    |    |      |            |             |                        |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |     |    |    |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |
|                                                                                                         | G 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | G 1/2    | 7                | 32   | 12 | 16 | 14 | 2,5 | 3,5 | 32 | 0,22 | 0,43         |             |              |  |   |   |      |      |    |    |   |    |    |    |      |            |             |                        |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |     |    |    |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |
|                                                                                                         | G 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | G 1/2    | 9                | 32   | 14 | 16 | 14 | 2,5 | 3,5 | 32 | 0,22 | 0,46         |             |              |  |   |   |      |      |    |    |   |    |    |    |      |            |             |                        |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |     |    |    |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |
|                                                                                                         | G 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | G 1/2    | 11               | 32   | 14 | 16 | 14 | 1,5 | 2,5 | 32 | 0,20 | 0,38         |             |              |  |   |   |      |      |    |    |   |    |    |    |      |            |             |                        |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |     |    |    |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |
|                                                                                                         | G 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | G 1/2    | 8,2              | 32   | 8  | 16 | 14 | 0,9 | 1   | 32 | 0,21 | 0,28         |             |              |  |   |   |      |      |    |    |   |    |    |    |      |            |             |                        |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |     |    |    |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |
|                                                                                                         | G 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | G 1/2    | 8,2              | 32   | 10 | 16 | 14 | 0,9 | 1   | 32 | 0,21 | 0,28         |             |              |  |   |   |      |      |    |    |   |    |    |    |      |            |             |                        |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |     |    |    |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |
|                                                                                                         | G 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | G 1/2    | 10,2             | 32   | 12 | 16 | 14 | 0,9 | 1   | 32 | 0,20 | 0,27         |             |              |  |   |   |      |      |    |    |   |    |    |    |      |            |             |                        |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |   |    |    |    |    |     |     |    |      |      |  |  |       |       |    |    |    |    |    |     |     |    |      |      |  |  |       |       |     |    |   |    |    |     |   |    |      |      |  |  |       |       |     |    |    |    |    |     |   |    |      |      |  |  |       |       |      |    |    |    |    |     |   |    |      |      |  |