











CHARACTERISTICS

| | |
|--------------------|---|
| Temperature | -15 ÷ 80 °C |
| Fluid | compressed air, water, oil |
| Working pressure | 130 bar (Ø4), 180 bar (Ø6), 150 bar (Ø8), 110 bar (Ø10), 75 bar (Ø12), 70 bar (Ø15) |
| Body | nickel-plated brass |
| Nut | nickel-plated brass |
| Seals | NBR |
| Application fields | pneumatic circuits |
| Recommended tube | copper alloy, brass, stainless steel, aluminum, plastic (reinforcing core) |

| <p>■ HGO03 Male straight taper thread</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HGO030418</td><td>4</td><td>R1/8</td></tr> <tr><td>HGO030618</td><td>6</td><td>R1/8</td></tr> <tr><td>HGO030818</td><td>8</td><td>R1/8</td></tr> <tr><td>HGO030614</td><td>6</td><td>R1/4</td></tr> <tr><td>HGO030814</td><td>8</td><td>R1/4</td></tr> <tr><td>HGO031014</td><td>10</td><td>R1/4</td></tr> <tr><td>HGO030838</td><td>8</td><td>R3/8</td></tr> <tr><td>HGO031038</td><td>10</td><td>R3/8</td></tr> <tr><td>HGO031238</td><td>12</td><td>R3/8</td></tr> <tr><td>HGO031212</td><td>12</td><td>R1/2</td></tr> <tr><td>HGO031512</td><td>15</td><td>R1/2</td></tr> </tbody> </table> | | Ø | connection | HGO030418 | 4 | R1/8 | HGO030618 | 6 | R1/8 | HGO030818 | 8 | R1/8 | HGO030614 | 6 | R1/4 | HGO030814 | 8 | R1/4 | HGO031014 | 10 | R1/4 | HGO030838 | 8 | R3/8 | HGO031038 | 10 | R3/8 | HGO031238 | 12 | R3/8 | HGO031212 | 12 | R1/2 | HGO031512 | 15 | R1/2 | <p>■ HGO04 Male straight parallel thread</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HGO040418</td><td>4</td><td>G1/8</td></tr> <tr><td>HGO040618</td><td>6</td><td>G1/8</td></tr> <tr><td>HGO040818</td><td>8</td><td>G1/8</td></tr> <tr><td>HGO040614</td><td>6</td><td>G1/4</td></tr> <tr><td>HGO040814</td><td>8</td><td>G1/4</td></tr> <tr><td>HGO041014</td><td>10</td><td>G1/4</td></tr> <tr><td>HGO040838</td><td>8</td><td>G3/8</td></tr> <tr><td>HGO041038</td><td>10</td><td>G3/8</td></tr> </tbody> </table> | | Ø | connection | HGO040418 | 4 | G1/8 | HGO040618 | 6 | G1/8 | HGO040818 | 8 | G1/8 | HGO040614 | 6 | G1/4 | HGO040814 | 8 | G1/4 | HGO041014 | 10 | G1/4 | HGO040838 | 8 | G3/8 | HGO041038 | 10 | G3/8 | <p>■ HGO09 Male elbow taper thread</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HGO090418</td><td>4</td><td>R1/8</td></tr> <tr><td>HGO090618</td><td>6</td><td>R1/8</td></tr> <tr><td>HGO090818</td><td>8</td><td>R1/8</td></tr> <tr><td>HGO090614</td><td>6</td><td>R1/4</td></tr> <tr><td>HGO090814</td><td>8</td><td>R1/4</td></tr> <tr><td>HGO091014</td><td>10</td><td>R1/4</td></tr> <tr><td>HGO090838</td><td>8</td><td>R3/8</td></tr> <tr><td>HGO091038</td><td>10</td><td>R3/8</td></tr> <tr><td>HGO091238</td><td>12</td><td>R3/8</td></tr> <tr><td>HGO091212</td><td>12</td><td>R1/2</td></tr> <tr><td>HGO091512</td><td>15</td><td>R1/2</td></tr> </tbody> </table> | | Ø | connection | HGO090418 | 4 | R1/8 | HGO090618 | 6 | R1/8 | HGO090818 | 8 | R1/8 | HGO090614 | 6 | R1/4 | HGO090814 | 8 | R1/4 | HGO091014 | 10 | R1/4 | HGO090838 | 8 | R3/8 | HGO091038 | 10 | R3/8 | HGO091238 | 12 | R3/8 | HGO091212 | 12 | R1/2 | HGO091512 | 15 | R1/2 |
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| HGO030418 | 4 | R1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO030618 | 6 | R1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO030818 | 8 | R1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO030614 | 6 | R1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO030814 | 8 | R1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO031014 | 10 | R1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO030838 | 8 | R3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO031038 | 10 | R3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO031238 | 12 | R3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO031212 | 12 | R1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO031512 | 15 | R1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HGO040418 | 4 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO040618 | 6 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO040818 | 8 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO040614 | 6 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO040814 | 8 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO041014 | 10 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO040838 | 8 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO041038 | 10 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HGO090614 | 6 | R1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO090814 | 8 | R1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO091014 | 10 | R1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO090838 | 8 | R3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO091038 | 10 | R3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO091238 | 12 | R3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO091212 | 12 | R1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO091512 | 15 | R1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>■ HGO14 Male lateral Tee</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HGO140418</td><td>4</td><td>R1/8</td></tr> <tr><td>HGO140618</td><td>6</td><td>R1/8</td></tr> <tr><td>HGO140818</td><td>8</td><td>R1/8</td></tr> <tr><td>HGO140614</td><td>6</td><td>R1/4</td></tr> <tr><td>HGO140814</td><td>8</td><td>R1/4</td></tr> <tr><td>HGO141014</td><td>10</td><td>R1/4</td></tr> <tr><td>HGO141038</td><td>10</td><td>R3/8</td></tr> <tr><td>HGO141238</td><td>12</td><td>R3/8</td></tr> <tr><td>HGO141212</td><td>12</td><td>R1/2</td></tr> </tbody> </table> | | Ø | connection | HGO140418 | 4 | R1/8 | HGO140618 | 6 | R1/8 | HGO140818 | 8 | R1/8 | HGO140614 | 6 | R1/4 | HGO140814 | 8 | R1/4 | HGO141014 | 10 | R1/4 | HGO141038 | 10 | R3/8 | HGO141238 | 12 | R3/8 | HGO141212 | 12 | R1/2 | <p>■ HGO16 Male central Tee taper thread</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HGO160418</td><td>4</td><td>R1/8</td></tr> <tr><td>HGO160618</td><td>6</td><td>R1/8</td></tr> <tr><td>HGO160818</td><td>8</td><td>R1/8</td></tr> <tr><td>HGO160614</td><td>6</td><td>R1/4</td></tr> <tr><td>HGO160814</td><td>8</td><td>R1/4</td></tr> <tr><td>HGO161014</td><td>10</td><td>R1/4</td></tr> <tr><td>HGO161038</td><td>10</td><td>R3/8</td></tr> <tr><td>HGO161238</td><td>12</td><td>R3/8</td></tr> <tr><td>HGO161212</td><td>12</td><td>R1/2</td></tr> <tr><td>HGO161512</td><td>15</td><td>R1/2</td></tr> </tbody> </table> | | Ø | connection | HGO160418 | 4 | R1/8 | HGO160618 | 6 | R1/8 | HGO160818 | 8 | R1/8 | HGO160614 | 6 | R1/4 | HGO160814 | 8 | R1/4 | HGO161014 | 10 | R1/4 | HGO161038 | 10 | R3/8 | HGO161238 | 12 | R3/8 | HGO161212 | 12 | R1/2 | HGO161512 | 15 | R1/2 | <p>■ HGO19 Intermediate straight</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> </tr> </thead> <tbody> <tr><td>HGO190400</td><td>4</td></tr> <tr><td>HGO190600</td><td>6</td></tr> <tr><td>HGO190800</td><td>8</td></tr> <tr><td>HGO191000</td><td>10</td></tr> <tr><td>HGO191200</td><td>12</td></tr> <tr><td>HGO191500</td><td>15</td></tr> </tbody> </table> | | Ø | HGO190400 | 4 | HGO190600 | 6 | HGO190800 | 8 | HGO191000 | 10 | HGO191200 | 12 | HGO191500 | 15 | | | | | | | | | | | | | | | | | | | | | | |
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| HGO140618 | 6 | R1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO140818 | 8 | R1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO140614 | 6 | R1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO140814 | 8 | R1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO141014 | 10 | R1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO141038 | 10 | R3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO141238 | 12 | R3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO141212 | 12 | R1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HGO160418 | 4 | R1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO160618 | 6 | R1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO160818 | 8 | R1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO160614 | 6 | R1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO160814 | 8 | R1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO161014 | 10 | R1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO161038 | 10 | R3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO161238 | 12 | R3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO161212 | 12 | R1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO161512 | 15 | R1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HGO190400 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO190600 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO190800 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HGO191200 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>■ HGO20 Intermediate elbow</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> </tr> </thead> <tbody> <tr><td>HGO200400</td><td>4</td></tr> <tr><td>HGO200600</td><td>6</td></tr> <tr><td>HGO200800</td><td>8</td></tr> <tr><td>HGO201000</td><td>10</td></tr> <tr><td>HGO201200</td><td>12</td></tr> </tbody> </table> | | Ø | HGO200400 | 4 | HGO200600 | 6 | HGO200800 | 8 | HGO201000 | 10 | HGO201200 | 12 | <p>■ HGO21 Intermediate Tee</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> </tr> </thead> <tbody> <tr><td>HGO210400</td><td>4</td></tr> <tr><td>HGO210600</td><td>6</td></tr> <tr><td>HGO210800</td><td>8</td></tr> <tr><td>HGO211000</td><td>10</td></tr> <tr><td>HGO211200</td><td>12</td></tr> <tr><td>HGO211500</td><td>15</td></tr> </tbody> </table> | | Ø | HGO210400 | 4 | HGO210600 | 6 | HGO210800 | 8 | HGO211000 | 10 | HGO211200 | 12 | HGO211500 | 15 | <p>■ HGO30 Nut</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> <th>thread</th> <th>key</th> </tr> </thead> <tbody> <tr><td>HGO300400</td><td>4</td><td>8x1</td><td>10</td></tr> <tr><td>HGO300600</td><td>6</td><td>10x1</td><td>12</td></tr> <tr><td>HGO300800</td><td>8</td><td>12x1</td><td>14</td></tr> <tr><td>HGO301000</td><td>10</td><td>16x1</td><td>19</td></tr> <tr><td>HGO301200</td><td>12</td><td>18x1</td><td>22</td></tr> <tr><td>HGO301500</td><td>15</td><td>30x1</td><td>27</td></tr> </tbody> </table> | | Ø | thread | key | HGO300400 | 4 | 8x1 | 10 | HGO300600 | 6 | 10x1 | 12 | HGO300800 | 8 | 12x1 | 14 | HGO301000 | 10 | 16x1 | 19 | HGO301200 | 12 | 18x1 | 22 | HGO301500 | 15 | 30x1 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HGO300400 | 4 | 8x1 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO300600 | 6 | 10x1 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO300800 | 8 | 12x1 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO301000 | 10 | 16x1 | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO301200 | 12 | 18x1 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO301500 | 15 | 30x1 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>■ HGO31 Olive</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> </tr> </thead> <tbody> <tr><td>HGO310400</td><td>4</td></tr> <tr><td>HGO310600</td><td>6</td></tr> <tr><td>HGO310800</td><td>8</td></tr> <tr><td>HGO311000</td><td>10</td></tr> <tr><td>HGO311200</td><td>12</td></tr> <tr><td>HGO311500</td><td>15</td></tr> </tbody> </table> | | Ø | HGO310400 | 4 | HGO310600 | 6 | HGO310800 | 8 | HGO311000 | 10 | HGO311200 | 12 | HGO311500 | 15 | <p>■ HGO32 Reinforcing core</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> </tr> </thead> <tbody> <tr><td>HGO320600</td><td>4</td></tr> <tr><td>HGO320800</td><td>6</td></tr> <tr><td>HGO321000</td><td>8</td></tr> <tr><td>HGO321200</td><td>10</td></tr> <tr><td>HGO321500</td><td>12,5</td></tr> </tbody> </table> | | Ø | HGO320600 | 4 | HGO320800 | 6 | HGO321000 | 8 | HGO321200 | 10 | HGO321500 | 12,5 | <p>■ HGO33 Bulkhead connector</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> </tr> </thead> <tbody> <tr><td>HGO330600</td><td>6</td></tr> <tr><td>HGO330800</td><td>8</td></tr> <tr><td>HGO331000</td><td>10</td></tr> <tr><td>HGO331200</td><td>12</td></tr> </tbody> </table> | | Ø | HGO330600 | 6 | HGO330800 | 8 | HGO331000 | 10 | HGO331200 | 12 | <p>■ HGO40 Single banjo</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HGO400618</td><td>6</td><td>G1/8</td></tr> <tr><td>HGO400818</td><td>8</td><td>G1/8</td></tr> <tr><td>HGO400614</td><td>6</td><td>G1/4</td></tr> <tr><td>HGO400814</td><td>8</td><td>G1/4</td></tr> </tbody> </table> <p>Bolt to be used: HD42 - HD43 - HD44</p> | | Ø | connection | HGO400618 | 6 | G1/8 | HGO400818 | 8 | G1/8 | HGO400614 | 6 | G1/4 | HGO400814 | 8 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HGO310400 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO310600 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO310800 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO311000 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO311200 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO311500 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HGO320600 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HGO321500 | 12,5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Ø | connection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO400618 | 6 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO400818 | 8 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO400614 | 6 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGO400814 | 8 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |