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| | |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Temperatura | -10 ÷ 80 °C (según el tipo de tubo) |
| Fluido | aire filtrado, vacío |
| Presión de trabajo | -0,99 ÷ 10 bar |
| Cuerpo | tecnopolímero |
| Elemento de fijación | latón niquelado con junta tórica de NBR en la versión cilíndrica (estándar) recubrimiento de teflón en la versión cónica (bajo pedido) |
| Pinza de agarre | acero inox |
| Anillo para soltar | tecnopolímero |
| Campos de aplicación | circuitos neumáticos |
| Tubos de conexión recomendados | poliamida PA 10.12, poliuretano Sh.A98, co-poliuretano Sh.55D |

| <p>HA02 Recto cuerpo liso macho cilíndrico</p>  <table border="0"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA0204M5</td><td>4</td><td>M5</td></tr> <tr><td>HA0206M5</td><td>6</td><td>M5</td></tr> <tr><td>HA020418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA020618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA020818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA020414</td><td>4</td><td>G1/4</td></tr> <tr><td>HA020614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA020814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA021014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA020838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA021038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA021238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA021012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA021212</td><td>12</td><td>G1/2</td></tr> </tbody> </table> | | Ø | conexión | HA0204M5 | 4 | M5 | HA0206M5 | 6 | M5 | HA020418 | 4 | G1/8 | HA020618 | 6 | G1/8 | HA020818 | 8 | G1/8 | HA020414 | 4 | G1/4 | HA020614 | 6 | G1/4 | HA020814 | 8 | G1/4 | HA021014 | 10 | G1/4 | HA020838 | 8 | G3/8 | HA021038 | 10 | G3/8 | HA021238 | 12 | G3/8 | HA021012 | 10 | G1/2 | HA021212 | 12 | G1/2 | <p>HA04 Recto macho cilíndrico</p>  <table border="0"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA0404M5</td><td>4</td><td>M5</td></tr> <tr><td>HA0406M5</td><td>6</td><td>M5</td></tr> <tr><td>HA040418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA040618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA040818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA040414</td><td>4</td><td>G1/4</td></tr> <tr><td>HA040614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA040814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA041014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA040838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA041038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA041238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA041012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA041212</td><td>12</td><td>G1/2</td></tr> </tbody> </table> | | Ø | conexión | HA0404M5 | 4 | M5 | HA0406M5 | 6 | M5 | HA040418 | 4 | G1/8 | HA040618 | 6 | G1/8 | HA040818 | 8 | G1/8 | HA040414 | 4 | G1/4 | HA040614 | 6 | G1/4 | HA040814 | 8 | G1/4 | HA041014 | 10 | G1/4 | HA040838 | 8 | G3/8 | HA041038 | 10 | G3/8 | HA041238 | 12 | G3/8 | HA041012 | 10 | G1/2 | HA041212 | 12 | G1/2 | <p>HA06 Recto de plástico macho cilíndrico</p>  <table border="0"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA060618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA060818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA060614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA060814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA061014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA060838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA061038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA061238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA061012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA061212</td><td>12</td><td>G1/2</td></tr> </tbody> </table> | | Ø | conexión | HA060618 | 6 | G1/8 | HA060818 | 8 | G1/8 | HA060614 | 6 | G1/4 | HA060814 | 8 | G1/4 | HA061014 | 10 | G1/4 | HA060838 | 8 | G3/8 | HA061038 | 10 | G3/8 | HA061238 | 12 | G3/8 | HA061012 | 10 | G1/2 | HA061212 | 12 | G1/2 | | | | | | | | | |
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| HA0206M5 | 6 | M5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA020614 | 6 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA020838 | 8 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA021038 | 10 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA021238 | 12 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA021012 | 10 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA0404M5 | 4 | M5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA0406M5 | 6 | M5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA040418 | 4 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA040618 | 6 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA040818 | 8 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA040414 | 4 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA040614 | 6 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA040814 | 8 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA041014 | 10 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA040838 | 8 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA041038 | 10 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA041012 | 10 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA060614 | 6 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA060838 | 8 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA061038 | 10 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA061238 | 12 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA061012 | 10 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA061212 | 12 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>HA07 Recto hembra</p>  <table border="0"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA070418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA070618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA070818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA070614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA070814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA071014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA070838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA071038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA071238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA071212</td><td>12</td><td>G1/2</td></tr> </tbody> </table> | | Ø | conexión | HA070418 | 4 | G1/8 | HA070618 | 6 | G1/8 | HA070818 | 8 | G1/8 | HA070614 | 6 | G1/4 | HA070814 | 8 | G1/4 | HA071014 | 10 | G1/4 | HA070838 | 8 | G3/8 | HA071038 | 10 | G3/8 | HA071238 | 12 | G3/8 | HA071212 | 12 | G1/2 | <p>HA08 Codo orientable hembra</p>  <table border="0"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA080418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA080618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA080818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA080614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA080814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA081014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA080838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA081038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA081238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA081212</td><td>12</td><td>G1/2</td></tr> </tbody> </table> | | Ø | conexión | HA080418 | 4 | G1/8 | HA080618 | 6 | G1/8 | HA080818 | 8 | G1/8 | HA080614 | 6 | G1/4 | HA080814 | 8 | G1/4 | HA081014 | 10 | G1/4 | HA080838 | 8 | G3/8 | HA081038 | 10 | G3/8 | HA081238 | 12 | G3/8 | HA081212 | 12 | G1/2 | <p>HA10B Codo bajo</p>  <table border="0"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA10B04M5</td><td>4</td><td>M5</td></tr> <tr><td>HA10B06M5</td><td>6</td><td>M5</td></tr> <tr><td>HA10B0418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA10B0618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA10B0818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA10B0414</td><td>4</td><td>G1/4</td></tr> <tr><td>HA10B0614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA10B0814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA10B1014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA10B0838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA10B1038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA10B1238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA10B1012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA10B1212</td><td>12</td><td>G1/2</td></tr> </tbody> </table> | | Ø | conexión | HA10B04M5 | 4 | M5 | HA10B06M5 | 6 | M5 | HA10B0418 | 4 | G1/8 | HA10B0618 | 6 | G1/8 | HA10B0818 | 8 | G1/8 | HA10B0414 | 4 | G1/4 | HA10B0614 | 6 | G1/4 | HA10B0814 | 8 | G1/4 | HA10B1014 | 10 | G1/4 | HA10B0838 | 8 | G3/8 | HA10B1038 | 10 | G3/8 | HA10B1238 | 12 | G3/8 | HA10B1012 | 10 | G1/2 | HA10B1212 | 12 | G1/2 | | | | | | | | | | | | | | | | | | | | | |
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| HA080418 | 4 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA10B1012 | 10 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>HA12B Codo orientable bajo prolongado macho</p>  <table border="0"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA12B04M5</td><td>4</td><td>M5</td></tr> <tr><td>HA12B06M5</td><td>6</td><td>M5</td></tr> <tr><td>HA12B0418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA12B0618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA12B0818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA12B0414</td><td>4</td><td>G1/4</td></tr> <tr><td>HA12B0614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA12B0814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA12B1014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA12B0638</td><td>6</td><td>G3/8</td></tr> <tr><td>HA12B0838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA12B1038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA12B1238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA12B1012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA12B1212</td><td>12</td><td>G1/2</td></tr> </tbody> </table> | | Ø | conexión | HA12B04M5 | 4 | M5 | HA12B06M5 | 6 | M5 | HA12B0418 | 4 | G1/8 | HA12B0618 | 6 | G1/8 | HA12B0818 | 8 | G1/8 | HA12B0414 | 4 | G1/4 | HA12B0614 | 6 | G1/4 | HA12B0814 | 8 | G1/4 | HA12B1014 | 10 | G1/4 | HA12B0638 | 6 | G3/8 | HA12B0838 | 8 | G3/8 | HA12B1038 | 10 | G3/8 | HA12B1238 | 12 | G3/8 | HA12B1012 | 10 | G1/2 | HA12B1212 | 12 | G1/2 | <p>HA14B T lateral bajo macho</p>  <table border="0"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA14B04M5</td><td>4</td><td>M5</td></tr> <tr><td>HA14B06M5</td><td>6</td><td>M5</td></tr> <tr><td>HA14B0418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA14B0618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA14B0818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA14B0614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA14B0814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA14B1014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA14B0838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA14B1038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA14B1238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA14B1012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA14B1212</td><td>12</td><td>G1/2</td></tr> </tbody> </table> | | Ø | conexión | HA14B04M5 | 4 | M5 | HA14B06M5 | 6 | M5 | HA14B0418 | 4 | G1/8 | HA14B0618 | 6 | G1/8 | HA14B0818 | 8 | G1/8 | HA14B0614 | 6 | G1/4 | HA14B0814 | 8 | G1/4 | HA14B1014 | 10 | G1/4 | HA14B0838 | 8 | G3/8 | HA14B1038 | 10 | G3/8 | HA14B1238 | 12 | G3/8 | HA14B1012 | 10 | G1/2 | HA14B1212 | 12 | G1/2 | <p>HA16B T central bajo macho</p>  <table border="0"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA16B04M5</td><td>4</td><td>M5</td></tr> <tr><td>HA16B06M5</td><td>6</td><td>M5</td></tr> <tr><td>HA16B0418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA16B0618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA16B0818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA16B0614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA16B0814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA16B1014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA16B0838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA16B1038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA16B1238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA16B1012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA16B1212</td><td>12</td><td>G1/2</td></tr> </tbody> </table> | | Ø | conexión | HA16B04M5 | 4 | M5 | HA16B06M5 | 6 | M5 | HA16B0418 | 4 | G1/8 | HA16B0618 | 6 | G1/8 | HA16B0818 | 8 | G1/8 | HA16B0614 | 6 | G1/4 | HA16B0814 | 8 | G1/4 | HA16B1014 | 10 | G1/4 | HA16B0838 | 8 | G3/8 | HA16B1038 | 10 | G3/8 | HA16B1238 | 12 | G3/8 | HA16B1012 | 10 | G1/2 | HA16B1212 | 12 | G1/2 |
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| HA12B0638 | 6 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA12B1212 | 12 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA14B0614 | 6 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA14B1014 | 10 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA14B0838 | 8 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA16B1014 | 10 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA16B0838 | 8 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA16B1038 | 10 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA16B1238 | 12 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA16B1012 | 10 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA16B1212 | 12 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>HA18 Y macho cilíndrico</p>  <table border="0"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA1804M5</td><td>4</td><td>M5</td></tr> <tr><td>HA1806M5</td><td>6</td><td>M5</td></tr> <tr><td>HA180418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA180618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA180818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA180614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA180814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA181014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA180838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA181038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA181238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA181012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA181212</td><td>12</td><td>G1/2</td></tr> </tbody> </table> | | Ø | conexión | HA1804M5 | 4 | M5 | HA1806M5 | 6 | M5 | HA180418 | 4 | G1/8 | HA180618 | 6 | G1/8 | HA180818 | 8 | G1/8 | HA180614 | 6 | G1/4 | HA180814 | 8 | G1/4 | HA181014 | 10 | G1/4 | HA180838 | 8 | G3/8 | HA181038 | 10 | G3/8 | HA181238 | 12 | G3/8 | HA181012 | 10 | G1/2 | HA181212 | 12 | G1/2 | <p>HA19 Recto intermedio</p>  <table border="0"> <thead> <tr> <th></th> <th>Ø1</th> <th>Ø2</th> </tr> </thead> <tbody> <tr><td>HA190400</td><td>4</td><td>4</td></tr> <tr><td>HA190600</td><td>6</td><td>6</td></tr> <tr><td>HA190604</td><td>6</td><td>4</td></tr> <tr><td>HA190800</td><td>8</td><td>8</td></tr> <tr><td>HA190806</td><td>8</td><td>6</td></tr> <tr><td>HA191000</td><td>10</td><td>10</td></tr> <tr><td>HA191008</td><td>10</td><td>8</td></tr> <tr><td>HA191200</td><td>12</td><td>12</td></tr> <tr><td>HA191210</td><td>12</td><td>10</td></tr> </tbody> </table> | | Ø1 | Ø2 | HA190400 | 4 | 4 | HA190600 | 6 | 6 | HA190604 | 6 | 4 | HA190800 | 8 | 8 | HA190806 | 8 | 6 | HA191000 | 10 | 10 | HA191008 | 10 | 8 | HA191200 | 12 | 12 | HA191210 | 12 | 10 | <p>HA20 L intermedio</p>  <table border="0"> <thead> <tr> <th></th> <th>Ø</th> </tr> </thead> <tbody> <tr><td>HA200400</td><td>4</td></tr> <tr><td>HA200600</td><td>6</td></tr> <tr><td>HA200800</td><td>8</td></tr> <tr><td>HA201000</td><td>10</td></tr> <tr><td>HA201200</td><td>12</td></tr> </tbody> </table> | | Ø | HA200400 | 4 | HA200600 | 6 | HA200800 | 8 | HA201000 | 10 | HA201200 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ø | conexión | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA1806M5 | 6 | M5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA180418 | 4 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA180618 | 6 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA180614 | 6 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA181014 | 10 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA180838 | 8 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA181038 | 10 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA181238 | 12 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA181012 | 10 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA181212 | 12 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ø1 | Ø2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA190400 | 4 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA190600 | 6 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA190604 | 6 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA190800 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA190806 | 8 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA191000 | 10 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA191008 | 10 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA191200 | 12 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA191210 | 12 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA200400 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA200600 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA200800 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA201000 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>HA21 T intermedio</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø1</th> <th>Ø2</th> </tr> </thead> <tbody> <tr><td>HA210400</td><td>4</td><td>4</td></tr> <tr><td>HA210600</td><td>6</td><td>6</td></tr> <tr><td>HA210800</td><td>8</td><td>8</td></tr> <tr><td>HA211000</td><td>10</td><td>10</td></tr> <tr><td>HA211200</td><td>12</td><td>12</td></tr> <tr><td>HA211008</td><td>10</td><td>8</td></tr> <tr><td>HA210810</td><td>8</td><td>10</td></tr> </tbody> </table> | | Ø1 | Ø2 | HA210400 | 4 | 4 | HA210600 | 6 | 6 | HA210800 | 8 | 8 | HA211000 | 10 | 10 | HA211200 | 12 | 12 | HA211008 | 10 | 8 | HA210810 | 8 | 10 | <p>HA22 Racor en cruz intermedio</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> </tr> </thead> <tbody> <tr><td>HA220400</td><td>4</td></tr> <tr><td>HA220600</td><td>6</td></tr> <tr><td>HA220800</td><td>8</td></tr> <tr><td>HA221000</td><td>10</td></tr> <tr><td>HA221200</td><td>12</td></tr> </tbody> </table> | | Ø | HA220400 | 4 | HA220600 | 6 | HA220800 | 8 | HA221000 | 10 | HA221200 | 12 | <p>HA23 Y intermedio</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø1</th> <th>Ø2</th> </tr> </thead> <tbody> <tr><td>HA230404</td><td>4</td><td>4</td></tr> <tr><td>HA230604</td><td>6</td><td>4</td></tr> <tr><td>HA230606</td><td>6</td><td>6</td></tr> <tr><td>HA230806</td><td>8</td><td>6</td></tr> <tr><td>HA230808</td><td>8</td><td>8</td></tr> <tr><td>HA231008</td><td>10</td><td>8</td></tr> <tr><td>HA231010</td><td>10</td><td>10</td></tr> <tr><td>HA231210</td><td>12</td><td>10</td></tr> <tr><td>HA231212</td><td>12</td><td>12</td></tr> </tbody> </table> | | Ø1 | Ø2 | HA230404 | 4 | 4 | HA230604 | 6 | 4 | HA230606 | 6 | 6 | HA230806 | 8 | 6 | HA230808 | 8 | 8 | HA231008 | 10 | 8 | HA231010 | 10 | 10 | HA231210 | 12 | 10 | HA231212 | 12 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA210400 | 4 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA210600 | 6 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA210800 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA211000 | 10 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA211200 | 12 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA211008 | 10 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA210810 | 8 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ø | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA220400 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA220600 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA220800 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA221000 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA221200 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ø1 | Ø2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA230404 | 4 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA230604 | 6 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA230606 | 6 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA230806 | 8 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA230808 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA231008 | 10 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA231010 | 10 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA231210 | 12 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA231212 | 12 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>HA24 Reducción</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø1</th> <th>Ø2</th> </tr> </thead> <tbody> <tr><td>HA240406</td><td>4</td><td>6</td></tr> <tr><td>HA240408</td><td>4</td><td>8</td></tr> <tr><td>HA240608</td><td>6</td><td>8</td></tr> <tr><td>HA240610</td><td>6</td><td>10</td></tr> <tr><td>HA240810</td><td>8</td><td>10</td></tr> <tr><td>HA240812</td><td>8</td><td>12</td></tr> <tr><td>HA241012</td><td>10</td><td>12</td></tr> </tbody> </table> | | Ø1 | Ø2 | HA240406 | 4 | 6 | HA240408 | 4 | 8 | HA240608 | 6 | 8 | HA240610 | 6 | 10 | HA240810 | 8 | 10 | HA240812 | 8 | 12 | HA241012 | 10 | 12 | <p>HA25 Y intermedio enchufable</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> </tr> </thead> <tbody> <tr><td>HA250400</td><td>4</td></tr> <tr><td>HA250600</td><td>6</td></tr> <tr><td>HA250800</td><td>8</td></tr> <tr><td>HA251000</td><td>10</td></tr> <tr><td>HA251200</td><td>12</td></tr> </tbody> </table> | | Ø | HA250400 | 4 | HA250600 | 6 | HA250800 | 8 | HA251000 | 10 | HA251200 | 12 | <p>HA26 Tapón</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> </tr> </thead> <tbody> <tr><td>HA260400</td><td>4</td></tr> <tr><td>HA260600</td><td>6</td></tr> <tr><td>HA260800</td><td>8</td></tr> <tr><td>HA261000</td><td>10</td></tr> <tr><td>HA261200</td><td>12</td></tr> </tbody> </table> | | Ø | HA260400 | 4 | HA260600 | 6 | HA260800 | 8 | HA261000 | 10 | HA261200 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ø1 | Ø2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA240406 | 4 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA240408 | 4 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA240608 | 6 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA240610 | 6 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA240810 | 8 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA240812 | 8 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA241012 | 10 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA250400 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA251200 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA260400 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA260600 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA260800 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA261000 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA261200 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>HA27 Banjo orientable macho cilíndrico cabeza llave hexagonal</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA2704M5</td><td>4</td><td>M5</td></tr> <tr><td>HA2706M5</td><td>6</td><td>M5</td></tr> <tr><td>HA270418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA270618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA270818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA270614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA270814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA271014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA270838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA271038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA271238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA271012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA271212</td><td>12</td><td>G1/2</td></tr> </tbody> </table> | | Ø | conexión | HA2704M5 | 4 | M5 | HA2706M5 | 6 | M5 | HA270418 | 4 | G1/8 | HA270618 | 6 | G1/8 | HA270818 | 8 | G1/8 | HA270614 | 6 | G1/4 | HA270814 | 8 | G1/4 | HA271014 | 10 | G1/4 | HA270838 | 8 | G3/8 | HA271038 | 10 | G3/8 | HA271238 | 12 | G3/8 | HA271012 | 10 | G1/2 | HA271212 | 12 | G1/2 | <p>HA28 Banjo orientable cilíndrico macho-hembra</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA2804M5</td><td>4</td><td>M5</td></tr> <tr><td>HA2806M5</td><td>6</td><td>M5</td></tr> <tr><td>HA280418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA280618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA280818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA280614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA280814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA281014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA280838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA281038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA281238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA281012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA281212</td><td>12</td><td>G1/2</td></tr> </tbody> </table> | | Ø | conexión | HA2804M5 | 4 | M5 | HA2806M5 | 6 | M5 | HA280418 | 4 | G1/8 | HA280618 | 6 | G1/8 | HA280818 | 8 | G1/8 | HA280614 | 6 | G1/4 | HA280814 | 8 | G1/4 | HA281014 | 10 | G1/4 | HA280838 | 8 | G3/8 | HA281038 | 10 | G3/8 | HA281238 | 12 | G3/8 | HA281012 | 10 | G1/2 | HA281212 | 12 | G1/2 | <p>HA29 Triple T lateral</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> </tr> </thead> <tbody> <tr><td>HA290400</td><td>4</td></tr> <tr><td>HA290600</td><td>6</td></tr> <tr><td>HA290800</td><td>8</td></tr> </tbody> </table> | | Ø | HA290400 | 4 | HA290600 | 6 | HA290800 | 8 |
| | Ø | conexión | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA2704M5 | 4 | M5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA2706M5 | 6 | M5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA270418 | 4 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA270618 | 6 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA270818 | 8 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA270614 | 6 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA270814 | 8 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA271014 | 10 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA270838 | 8 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA271038 | 10 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA271238 | 12 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA271012 | 10 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA271212 | 12 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ø | conexión | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA2804M5 | 4 | M5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA2806M5 | 6 | M5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA280418 | 4 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA280618 | 6 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA280818 | 8 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA280614 | 6 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA280814 | 8 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA281014 | 10 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA280838 | 8 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA281038 | 10 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA281238 | 12 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA281012 | 10 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA281212 | 12 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA290400 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA290600 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA290800 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>HA30 Triple T lateral</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø1</th> <th>Ø2</th> </tr> </thead> <tbody> <tr><td>HA300604</td><td>6</td><td>4</td></tr> <tr><td>HA300804</td><td>8</td><td>4</td></tr> <tr><td>HA300806</td><td>8</td><td>6</td></tr> <tr><td>HA301006</td><td>10</td><td>6</td></tr> <tr><td>HA301008</td><td>10</td><td>8</td></tr> </tbody> </table> | | Ø1 | Ø2 | HA300604 | 6 | 4 | HA300804 | 8 | 4 | HA300806 | 8 | 6 | HA301006 | 10 | 6 | HA301008 | 10 | 8 | <p>HA31 Triple T macho lateral</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø1</th> <th>Ø2</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA314618</td><td>6</td><td>4</td><td>G1/8</td></tr> <tr><td>HA314814</td><td>8</td><td>4</td><td>G1/4</td></tr> <tr><td>HA316814</td><td>8</td><td>6</td><td>G1/4</td></tr> <tr><td>HA318138</td><td>10</td><td>8</td><td>G3/8</td></tr> <tr><td>HA318112</td><td>10</td><td>8</td><td>G1/2</td></tr> </tbody> </table> | | Ø1 | Ø2 | conexión | HA314618 | 6 | 4 | G1/8 | HA314814 | 8 | 4 | G1/4 | HA316814 | 8 | 6 | G1/4 | HA318138 | 10 | 8 | G3/8 | HA318112 | 10 | 8 | G1/2 | <p>HA32 Triple T macho lateral</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA320418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA320618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA320818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA320414</td><td>4</td><td>G1/4</td></tr> <tr><td>HA320614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA320814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA320638</td><td>6</td><td>G3/8</td></tr> <tr><td>HA320838</td><td>8</td><td>G3/8</td></tr> </tbody> </table> | | Ø | conexión | HA320418 | 4 | G1/8 | HA320618 | 6 | G1/8 | HA320818 | 8 | G1/8 | HA320414 | 4 | G1/4 | HA320614 | 6 | G1/4 | HA320814 | 8 | G1/4 | HA320638 | 6 | G3/8 | HA320838 | 8 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | |
| | Ø1 | Ø2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA300604 | 6 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA300804 | 8 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA300806 | 8 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA301006 | 10 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA301008 | 10 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA314618 | 6 | 4 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA314814 | 8 | 4 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA316814 | 8 | 6 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA318138 | 10 | 8 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA318112 | 10 | 8 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA320618 | 6 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA320818 | 8 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA320814 | 8 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA320638 | 6 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA320838 | 8 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>HA33 Pasamuros</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> </tr> </thead> <tbody> <tr><td>HA330004</td><td>4</td></tr> <tr><td>HA330006</td><td>6</td></tr> <tr><td>HA330008</td><td>8</td></tr> <tr><td>HA330010</td><td>10</td></tr> <tr><td>HA330012</td><td>12</td></tr> </tbody> </table> | | Ø | HA330004 | 4 | HA330006 | 6 | HA330008 | 8 | HA330010 | 10 | HA330012 | 12 | <p>HA34 Pasamuros conexión roscada</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> <th>conexión</th> </tr> </thead> <tbody> <tr><td>HA340418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA340618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA340818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA340414</td><td>4</td><td>G1/4</td></tr> <tr><td>HA340614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA340814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA341014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA340838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA341038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA341238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA341012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA341212</td><td>12</td><td>G1/2</td></tr> </tbody> </table> | | Ø | conexión | HA340418 | 4 | G1/8 | HA340618 | 6 | G1/8 | HA340818 | 8 | G1/8 | HA340414 | 4 | G1/4 | HA340614 | 6 | G1/4 | HA340814 | 8 | G1/4 | HA341014 | 10 | G1/4 | HA340838 | 8 | G3/8 | HA341038 | 10 | G3/8 | HA341238 | 12 | G3/8 | HA341012 | 10 | G1/2 | HA341212 | 12 | G1/2 | <p>HA35 Pasamuros racor en codo</p>  <table border="1"> <thead> <tr> <th></th> <th>Ø</th> </tr> </thead> <tbody> <tr><td>HA350004</td><td>4</td></tr> <tr><td>HA350006</td><td>6</td></tr> <tr><td>HA350008</td><td>8</td></tr> <tr><td>HA350010</td><td>10</td></tr> <tr><td>HA350012</td><td>12</td></tr> </tbody> </table> | | Ø | HA350004 | 4 | HA350006 | 6 | HA350008 | 8 | HA350010 | 10 | HA350012 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA330004 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA330006 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA330008 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA330010 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA330012 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA340418 | 4 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA340618 | 6 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA340818 | 8 | G1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA340414 | 4 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA340614 | 6 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA340814 | 8 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA341014 | 10 | G1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA340838 | 8 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA341038 | 10 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA341238 | 12 | G3/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA341012 | 10 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA341212 | 12 | G1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HA350004 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA350006 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA350008 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA350010 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA350012 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

■ HA38

Codo enchufable



| | Ø |
|----------|----|
| HA380400 | 4 |
| HA380600 | 6 |
| HA380800 | 8 |
| HA381000 | 10 |
| HA381200 | 12 |

■ HA41

Banjo orientable cilíndrico con cabeza allen



| | Ø | conexión |
|----------|----|----------|
| HA410418 | 4 | G1/8 |
| HA410618 | 6 | G1/8 |
| HA410818 | 8 | G1/8 |
| HA410414 | 4 | G1/4 |
| HA410614 | 6 | G1/4 |
| HA410814 | 8 | G1/4 |
| HA411014 | 10 | G1/4 |
| HA411214 | 12 | G1/4 |
| HA410438 | 4 | G3/8 |
| HA410638 | 6 | G3/8 |
| HA410838 | 8 | G3/8 |
| HA411038 | 10 | G3/8 |
| HA411238 | 12 | G3/8 |
| HA411012 | 10 | G1/2 |
| HA411212 | 12 | G1/2 |

■ HA42

Banjo doble anillo individual con cabeza allen cilíndrico



| | Ø | conexión |
|----------|----|----------|
| HA420418 | 4 | G1/8 |
| HA420618 | 6 | G1/8 |
| HA420818 | 8 | G1/8 |
| HA420414 | 4 | G1/4 |
| HA420614 | 6 | G1/4 |
| HA420814 | 8 | G1/4 |
| HA421014 | 10 | G1/4 |
| HA421214 | 12 | G1/4 |
| HA420438 | 4 | G3/8 |
| HA420638 | 6 | G3/8 |
| HA420838 | 8 | G3/8 |
| HA421038 | 10 | G3/8 |
| HA421238 | 12 | G3/8 |
| HA421012 | 10 | G1/2 |
| HA421212 | 12 | G1/2 |

■ HA43

Banjo triple anillo individual con cabeza allen cilíndrico



| | Ø | conexión |
|----------|----|----------|
| HA430418 | 4 | G1/8 |
| HA430618 | 6 | G1/8 |
| HA430818 | 8 | G1/8 |
| HA430414 | 4 | G1/4 |
| HA430614 | 6 | G1/4 |
| HA430814 | 8 | G1/4 |
| HA431014 | 10 | G1/4 |
| HA431214 | 12 | G1/4 |
| HA430438 | 4 | G3/8 |
| HA430638 | 6 | G3/8 |
| HA430838 | 8 | G3/8 |
| HA431038 | 10 | G3/8 |
| HA431238 | 12 | G3/8 |
| HA431012 | 10 | G1/2 |
| HA431212 | 12 | G1/2 |

■ Rosca cónica de teflón

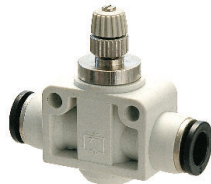
(disponible bajo pedido para todos los modelos HA)



■ HC01/HC02



■ HC04



■ HC01T/HC02T



■ HC01L/HC02L



Reguladores de flujo de tecnopolímero