



M&S installation material is used in plant construction for the installation of pipeline sections and the assembly of tanks, machines and apparatus.

In addition to the actual pipeline construction with the M&S pipe fittings and connecting parts, the necessary auxiliary materials for fastening and expanding the pipelines as well as the facing for openings are included here.

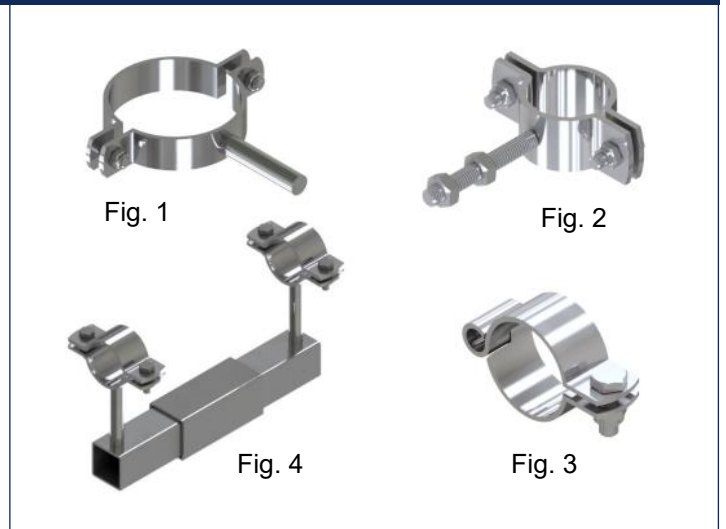
Other equipment parts for the installation and alignment of vessels and apparatus as well as the tools required for assembly are also included.

M&S manufactures a wide range of components for assembly and keeps them in stock in various versions.

### Installation materials



### Pipe clamps and pipe slides selection



#### Usage

#### Features

#### Versions

- Support and fastening of pipes
  - \* Pipe clamps and pipe supports.
- Compensation of linear expansion of pipelines
  - \* Pipe slides and compensators.
- Covering and protection in case of wall openings, closure of the pipeline
  - \* Pipe bells, rosettes and convex bottoms.
- Hygienic installation and alignment of system components through height-adjustable feet.
  - \* Spherical cap bases.
- Connection without welding, angular separation of pipes, loosening and tightening of union nuts
  - \* Pipe expander, pipe sawing tool and c-spanner.

#### Usage

#### Features

#### Versions

- Pipe clamps and pipe supports
  - \* Complete programme for a wide range of standardised pipe dimensions with a large selection of fastening options.
- Pipe slides and compensators
  - \* Simple, cost-effective versions.
- Spherical cap bases
  - \* Complete design, incl. adjustable foot, spherical socket, lock nut and plate;
  - \* Hygienic spherical cap plate (complete drainage of liquids - no sump).



Usage	Features	Versions
<ul style="list-style-type: none"><li>• Pipe clamps<ul style="list-style-type: none"><li>* DIN - for pipes acc. to DIN EN 10357-A and DIN 11866<ul style="list-style-type: none"><li>◆ Sizes DN 10 - 250<ul style="list-style-type: none"><li>◇ With and without shaft for welding (figure 1);</li><li>◇ With threaded shaft (figure 2).</li></ul></li><li>◆ Hinged (figure 3)<ul style="list-style-type: none"><li>◇ With and without shaft for welding;</li><li>◇ With threaded shaft.</li></ul></li></ul></li><li>* ISO - for pipes acc. to EN ISO 1127 and DIN 11866<ul style="list-style-type: none"><li>◆ Sizes 26,9 - 114,3 mm<ul style="list-style-type: none"><li>◇ With and without shaft for welding;</li><li>◇ With threaded shaft.</li></ul></li></ul></li><li>* Inch - for pipes acc. to DIN EN 10357-C and DIN 11866<ul style="list-style-type: none"><li>◆ Sizes 1" - 4"<ul style="list-style-type: none"><li>◇ With and without shaft for welding;</li><li>◇ With threaded shaft.</li></ul></li></ul></li><li>* Material: 1.4301 AISI 304.</li></ul></li><li>• Pipe supports (figure 5)<ul style="list-style-type: none"><li>* DIN - for pipes acc. to DIN EN 10357-A and DIN 11866<ul style="list-style-type: none"><li>◆ Standard (length of thread: 54 mm);</li><li>◆ Long (length of thread: 100 mm);</li><li>◆ Short (length of thread: 8 mm).</li></ul></li><li>* Material: 1.4301 AISI 304.</li></ul></li><li>• Pipe slides (figure 4)<ul style="list-style-type: none"><li>* DIN - for pipes acc. to DIN EN 10357-A and DIN 11866<ul style="list-style-type: none"><li>◆ Sizes DN 25 - 100.</li></ul></li><li>* ISO - for pipes acc. to EN ISO 1127 and DIN 11866<ul style="list-style-type: none"><li>◆ Sizes 33,7 - 114,3 mm.</li></ul></li><li>* Inch - for pipes acc. to DIN EN 10257-C and DIN 11866<ul style="list-style-type: none"><li>◆ Sizes 1" - 4".</li></ul></li><li>* Material: 1.4301 AISI 304.</li></ul></li><li>• Compensators (figure 6)<ul style="list-style-type: none"><li>* DIN - for pipes acc. to DIN EN 10357-A<ul style="list-style-type: none"><li>◆ Sizes: DN 25 - 100.</li></ul></li><li>* Material: 1.4301/14307 AISI 304/304L, 1.4404 AISI 316L.</li><li>* Surfaces: metal blank, polished.</li></ul></li><li>• Pipe bells (figure 7) and rosettes<ul style="list-style-type: none"><li>* Sizes: DN 25 - 100;</li><li>* Material: 1.4301 AISI 304;</li><li>* Surfaces: polished, mat blasted, others available.</li></ul></li><li>• Convex bottoms<ul style="list-style-type: none"><li>* Sizes: DIN - DN 25 - 250, Inch 1" - 4";</li><li>* Material: 1.4301/14307 AISI 304/304L, 1.4404 AISI 316L;</li><li>* Surfaces: polished, mat blasted, others available.</li></ul></li><li>• Spherical cap bases (figure 8)<ul style="list-style-type: none"><li>* Sizes: 1/2" - 1.1/2";</li><li>* Material: 1.4301 AISI 304.</li></ul></li><li>• Pipe expanders and pipe sawing tools (figure 9)<ul style="list-style-type: none"><li>* Sizes: DIN DN 10 - 100, Inch 1" - 4".</li></ul></li><li>• C-spanner for union nuts<ul style="list-style-type: none"><li>* Fixed Version: DN 25-50 and DN 65-100<ul style="list-style-type: none"><li>◆ Material: 1.4301 AISI 304.</li></ul></li><li>* With hinge: DN 10-20, DN 25-40, DN 50-100, DN 125-150<ul style="list-style-type: none"><li>◆ Material: nickel-plated steel.</li></ul></li></ul></li></ul>		 <p data-bbox="1093 649 1157 683">Fig. 5</p>  <p data-bbox="1093 1030 1157 1064">Fig. 6</p>  <p data-bbox="1093 1377 1157 1411">Fig. 7</p>  <p data-bbox="1093 1736 1157 1769">Fig. 8</p>  <p data-bbox="1093 2060 1157 2094">Fig. 9</p>