



M&S pipe connections are used for the detachable connection of pipelines as well as for the connection of machines, apparatus and containers.

They are available as screwed, clamp or flange connections and are manufactured in accordance with the applicable standards. Basically, they are made of forged primary material at M&S.

Depending on the operational requirements, the operating conditions and the hygienic demand, a suitable and appropriate pipe connection must be selected.

### Variations of pipe connections



#### Usage

#### Features

#### Versions

- As a detachable connection for connecting machines, apparatus and containers.
- For easier disassembly of fittings, valves and other plant components.
- For switching between pipe sections, e.g. for panels.
- As a transition between different materials, e.g. stainless steel pipe to hose.

#### Usage

#### Features

#### Versions

- Simple to high hygienic requirements:
  - \* Screwed pipe connections
    - ◆ Easy detachable with a tool.
    - ◆ For medium pressures and temperatures.
    - ◆ When opened, impermissible overpressure can be relieved more safely.
  - \* Flange connections
    - ◆ Detachable with a tool.
    - ◆ For higher pressures and temperatures.
    - ◆ When opened, impermissible overpressure can be relieved more safely.
  - \* Clamp connections
    - ◆ Very easy detachable without tools.
    - ◆ When opened, impermissible overpressure can escape abruptly.
  - \* Hose connections
    - ◆ Can be detached with or without tools, depending on the process connection.
- Without hygienic requirements:
  - \* Industrial fittings
    - ◆ Can only be detached with a tool.



Usage	Features	Versions
<ul style="list-style-type: none"><li>• Screwed pipe connections (figure 1)<ul style="list-style-type: none"><li>* Screwed pipe connections DIN 11864-1/11853-1</li><li>* „Milk pipe fitting (MRV)“ DIN 11851</li><li>* SMS (<u>S</u>veriges <u>M</u>ekan<u>s</u>tandardisiering - Swedish screwed connection)</li><li>* RJT (<u>R</u>ing <u>J</u>oint <u>T</u>ype - English screwed connection)</li><li>* IDF (<u>I</u>nternational <u>D</u>airy <u>F</u>oundation - International screwed connection)</li><li>* DS (<u>D</u>ansk <u>S</u>tandard - Danish screwed connection)</li></ul></li><li>• Flange connections (figure 2)<ul style="list-style-type: none"><li>* Flange connections DIN 11864-2/11853-2</li><li>* Hygienic flanges</li><li>* Small flanges</li><li>* Weld neck-, plain- and blind flanges EN 1092-1</li><li>* Collar and loose flanges EN1092-1</li></ul></li><li>• Clamp connections (figure 3)<ul style="list-style-type: none"><li>* Clamp connections DIN 11864-3/11853-3</li><li>* Clamp connections DIN 32676</li></ul></li><li>• Hose connections (figure 4)<ul style="list-style-type: none"><li>* With pressing sleeve</li><li>* With clamping shells</li><li>* With hose clamps</li></ul></li><li>• Industrial fittings (figure 5)<ul style="list-style-type: none"><li>* Welding sockets</li><li>* Welding nipples</li><li>* Flat sealing industrial screwed connections</li><li>* Conical sealing industrial screwed connections</li></ul></li></ul>		<p>Fig. 1</p>  <p>Fig. 2</p>  <p>Fig. 3</p>  <p>Fig. 4</p>  <p>Fig. 5</p> 