



M&S clamp connections are used for the detachable connection of pipelines as well as for the connection of machines, apparatus and containers. They consist of two clamp ferrules, a sealing element and a clamp closure.

Depending on the operational requirements, the operating conditions and the hygienic demand, a suitable and appropriate clamp connection must be selected. They are manufactured in accordance with the applicable standards and are always made of forged primary material at M&S.

### Variations of clamp connections

### Clamp connection DIN 11864-3



#### Usage

#### Features

#### Versions

- Easily detachable connection by hand in hygienic piping systems and for connecting machines, apparatus and containers.
- For easier disassembly of fittings, valves and other system parts.


#### Usage

#### Features

#### Versions

- All clamp connections
  - \* Very easy to release without tools.
  - \* When opened, impermissible overpressure can escape abruptly.
- Clamp connection DIN 11864-3/11853-3
  - \* Sealed with an O-ring.
  - \* For very high hygienic requirements (EHEDG-certified).
  - \* Dead space-free sealing due to defined deformation of the O-ring.
  - \* Self-centring of the connecting parts for gap-free aligned passage.
  - \* Uniform pretensioning of the seal by means of a metallic stop prevents any necessary retightening in the event of a temperature change and guarantees a longer service life for the O-ring.
- Clamp connection DIN 32676
  - \* Sealing with a profile seal.
  - \* For normal hygienic requirements.



Usage	Features	Versions
	<ul style="list-style-type: none"><li>• <b>Clamp connection DIN 11864-3/11853-3 (figure 1)</b><ul style="list-style-type: none"><li>* Sizes<ul style="list-style-type: none"><li>◆ DN 10 - DN 100 (1/2" - 4") for pipes acc. to DIN 11866 and DIN EN10357.</li></ul></li><li>* Pipe connection<ul style="list-style-type: none"><li>◆ DIN 11864-3 (long)</li><li>◆ DIN 11853-3 (short)</li></ul></li><li>* Operating pressure<ul style="list-style-type: none"><li>◆ 40/25/16 bar depending on dimension</li></ul></li><li>* Materials<ul style="list-style-type: none"><li>◆ 1.4435, 1.4404, 1.4307</li><li>◆ Other stainless steels, titanium or hastelloy</li><li>◆ FDA compliant gaskets: VMQ, EPDM, HNBR, FKM.</li></ul></li><li>* Surfaces<ul style="list-style-type: none"><li>◆ Inside and outside classified in different hygienic classes.</li></ul></li></ul></li> <li>• <b>Clamp connection DIN 32676 (figure 2)</b><ul style="list-style-type: none"><li>* Sizes<ul style="list-style-type: none"><li>◆ DN 10 - DN 200 (1/2" - 6") for pipes acc. to DIN 11866 and DIN EN10357.</li></ul></li><li>* Pipe ferrule<ul style="list-style-type: none"><li>◆ short KK</li><li>◆ long KL</li></ul></li><li>* Operating pressure<ul style="list-style-type: none"><li>◆ 25/16/10 bar depending on dimension.</li></ul></li><li>* Materials<ul style="list-style-type: none"><li>◆ Ferrule KK<ul style="list-style-type: none"><li>◇ 1.4301/AISI 304, 1.4404/AISI 316L</li></ul></li><li>◆ Ferrule KL<ul style="list-style-type: none"><li>◇ 1.4435/1.4404 AISI 316L</li><li>◇ Other stainless steels, titanium or hastelloy</li><li>◇ FDA compliant gaskets: VMQ, EPDM, NBR, HNBR, FKM, PTFE</li></ul></li></ul></li><li>* Surfaces<ul style="list-style-type: none"><li>◆ Inside and outside classified in different hygienic classes.</li></ul></li></ul></li></ul>	<p data-bbox="973 465 1045 499">Fig. 1</p>  <p data-bbox="1013 1160 1085 1193">Fig. 2</p> 