



M&S-Screwed pipe connections DIN 11851

M&S screwed pipe connections DIN 11851 ("milk pipe fitting") are used for the detachable connection of pipelines as well as for the connection of apparatus and containers. They consist of a male part and a liner, a sealing ring and a union nut. The pipe connection can be easily released with the aid of a c-spanner.

The "milk pipe fitting" is the most frequently used pipe connection in the production facilities of the food industry. It is manufactured in accordance with the applicable standards and is always made of forged primary material at M&S.

Variations of screwed connection parts

Screwed connection DIN 11851



Usage

Features

Versions

- As a detachable connection mainly in piping systems in the food and chemical industries as well as for connecting machines, apparatus and containers in the same.
- For easier disassembly of fittings, valves and other system parts.
- For switching pipeline sections, e.g. panels.

Usage

Features

Versions

- Most frequently used connection in the food industry.
- Easy opening and closing of the connection by means of a c-spanner.
- Smooth rotation of the union nut due to special round thread (movement thread).
- Self-centring when tightening the union nut due to conical liner.
- Sealing of the screwed connection by sealing ring G for normal requirements.
- When opened, impermissible overpressure can be relieved more safely.
- Easy welding (butt welding) due to identical connection dimensions of the welding end and the pipe.
- Minor welding distortion is compensated by the sealing ring G.
- Stocked modular system with many variants and transitions to other dimensions or connection types.
- Wide range of special solutions, e.g. twist-proof and lockable design.
- Convertible for more hygienic requirements by means of insertion centring ring.



Usage Features Versions

- Structur (figure 1)
- Components (figure 2)
 - * Male part SC (SKC short)
 - * Liner SD (SKD short)
 - * Sealing ring G
 - * Union nut F
- Sizes
 - * DN 10 - DN 150 for pipes according to DIN EN 10357, other available sizes ranges: Inch, ISO
- Pipe connections
 - * for welding
 - * for rolling in (expanding)
- Permissible pressure
 - * DN10-DN40 40 bar
 - * DN50-DN100 25 bar
 - * DN125-DN150 16 bar
- Materials
 - * Standard: 1.4307/AISI 304L, 1.4404/AISI 316 L
 - * Other stainless steels, titanium or hastelloy
 - * FDA compliant gaskets: VMQ, NBR, EPDM, HNBR, FKM
- Surfaces
 - * Mat blasted or blank
 - * In contact with product $Ra \leq 0,8 \mu\text{m}$
 - * Not in contact with product $Ra \leq 1,6 \mu\text{m}$
- Other components
 - * Intermediate pieces or adapter for modifying the connection part, e.g. LL/ML/MM/CC.
 - * Adapters with pipe thread (IG/AG).
 - * Centering rings for more hygienic properties and reduction of pipe offset (figure 3).
 - * Raised sealing ring to compensate for excessive distances between liner and male part.
- Certification
 - * Certificate of conformity of the gaskets, e.g. FDA
 - * Certificate 2.2 according to DIN EN 10204
 - * Inspection certificate 3.1 according to DIN EN 10204 for the primary material

Fig. 1

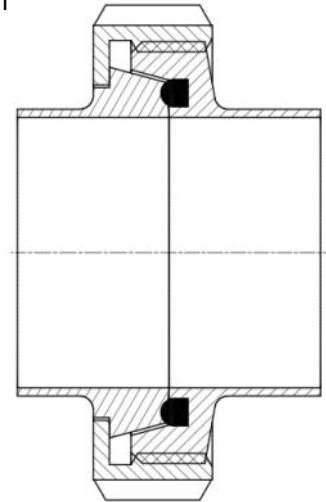


Fig. 2

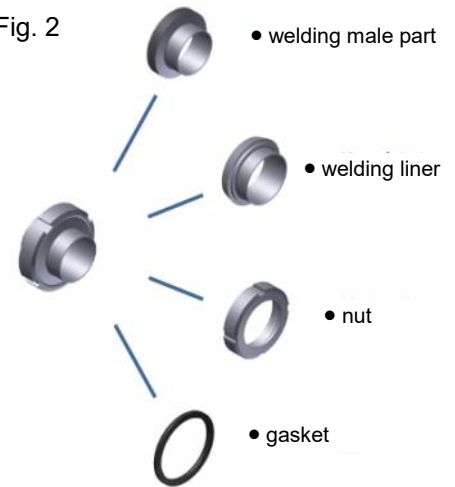


Fig. 3

