



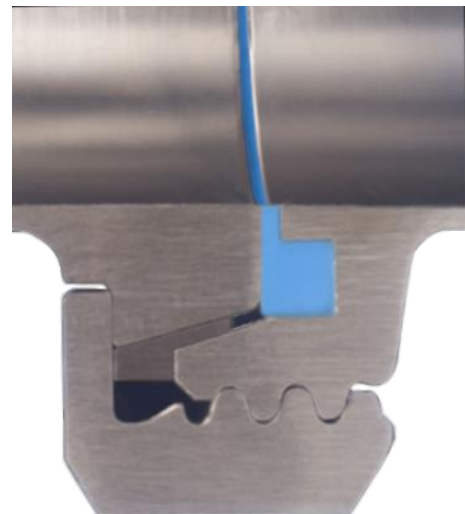
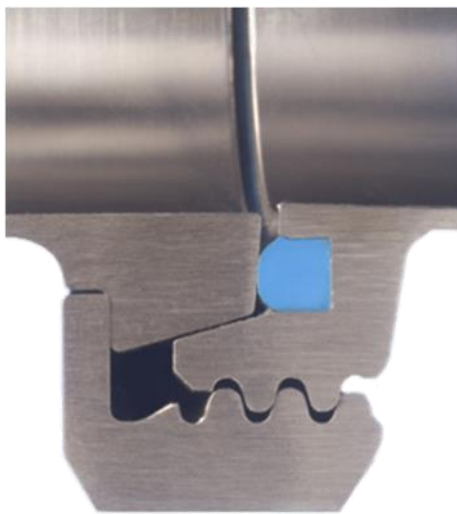
The M&S-HyCom-Conversion sets for milk pipe fittings according to DIN 11851 offer an efficient solution to optimise retroactively conventional milk pipe fittings which already in use into hygienic connections quickly and effectively.

This innovative and cost-effective alternative to pipe fittings as per DIN 11864 / DIN 11853 combines a metallic HyCom-Centering element with a specially matched HyCom-Gasket.

The HyCom-Conversion set ensures precise, offset-free alignment within the pipe system and also creates a defined pretension of the gasket through its stop function. A flush, hygienic and reliable gasket with the characteristics of a pipe fitting according to DIN 11864 / DIN 11853 is thereby guaranteed. The Fraunhofer Institute has proven and confirmed the outstanding cleaning ability through special cleaning tests.

### Connection without HyCom-Conversion set

### Connection with HyCom-Conversion set



#### Usage

#### Features

#### Versions

- Conversion of screw connections according to DIN 11851 to more hygienic connections;
- Applicable in industries with strict hygiene standards, including the food and beverage industry;
- Minimising the risk of contamination through gap-free sealing concept.


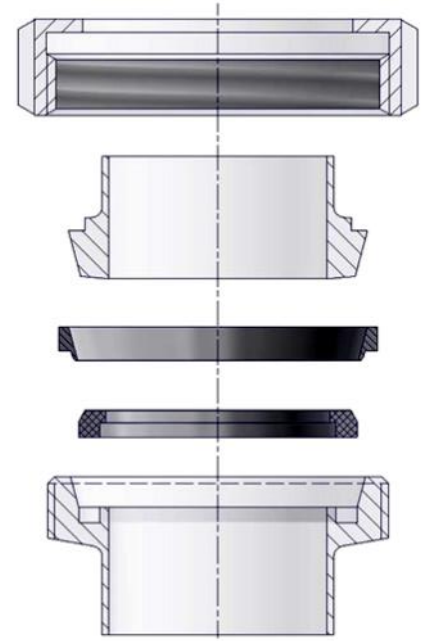
#### Usage

#### Features

#### Versions

- Precise alignment due to self-centring;
- Gap-free sealing for high hygienic requirements through combination of HyCom-Centering element and specially designed HyCom-Gasket;
- Uniform pretensioning of the seal by means of a metallic stop prevents retightening in the event of temperature fluctuations and ensures a longer service life;
- Cost-effective alternative to pipe fittings to DIN 11864 / DIN 11853;
- Offset-free radial alignment within the pipe system, especially for piggable pipelines;
- Can be retrofitted to upgrade existing screw fittings into hygienic connections;
- According to the examination conducted by the Fraunhofer Institute, a reduction in residual contamination of up to 93% was demonstrated.



Usage	Features	Versions
<ul style="list-style-type: none"><li>• Component parts (fig. 1)<ul style="list-style-type: none"><li>* HyCom-Centerring element;</li><li>* HyCom-Gasket.</li></ul></li><li>• Construction (fig. 2)</li><li>• Sizes<ul style="list-style-type: none"><li>* DN25 - DN150.</li></ul></li><li>• Versions<ul style="list-style-type: none"><li>* for unions according to DIN 11851 (pipe connection according to DIN EN 10357).</li></ul></li><li>• Permissible pressure<ul style="list-style-type: none"><li>* DN25 - DN40            40 bar;</li><li>* DN50 - DN100        25 bar;</li><li>* DN125 - DN150      16 bar.</li></ul></li><li>• Materials<ul style="list-style-type: none"><li>* Standard: 1.4301/AISI 304;</li><li>* FDA-compliant gaskets: EPDM, FKM.</li></ul></li><li>• Surfaces<ul style="list-style-type: none"><li>* Blank;</li><li>* In contact with product <math>Ra \leq 0,8 \mu\text{m}</math>.</li></ul></li><li>• Assembly<ul style="list-style-type: none"><li>* Insert the HyCom-Gasket into the male part (Fig. 3).</li><li>* Fit the HyCom-Centerring element onto the male part.</li></ul></li><li>• Certification<ul style="list-style-type: none"><li>* Certificates of conformity of the gaskets e.g. FDA;</li><li>* Certificate 2.2 according to DIN EN 10204;</li><li>* Inspection certificate 3.1 according to DIN EN 10204 for the primary material.</li></ul></li></ul>		<p>Fig. 1</p>  <p>Fig. 2</p>  <p>Fig. 3</p> 