



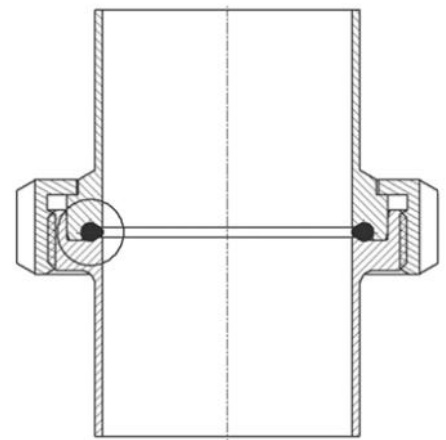
M&S pipe connections DIN 11864 and DIN 11853 are used for detachable connections in pipelines as well as for connecting machines, apparatus and containers in aseptic and hygienic processes. The sealing geometry is identical, but they differ in construction length and surface finish.

The connections according to DIN 11864 have a longer weld connection. This is orbital weldable and is mainly used in plants of the chemical and pharmaceutical industry. The components according to DIN 11853 have shorter welding ends and are mainly used in plants of the food industry.

They are manufactured in accordance with the applicable standards and are always made of forged primary material at M&S.

Variations of pipe connections DIN 11864/DIN 11853

Screwed connection DIN 11864-1



Usage

Features

Versions

- As a detachable connection for piping systems and for connecting machines, apparatus and containers in plants with aseptic and very high hygienic requirements.
- For easier disassembly of fittings, valves and other plant components.
- For switching pipe sections, e.g. panels.
- As self-centring connecting elements in piggable pipelines.

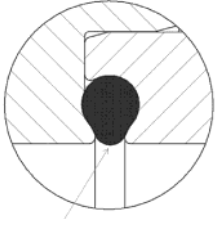
Usage



Features

Versions

- All components
 - * Screwed pipe connection DIN 11864-1/11853-1
 - ◆ Easy to detach with tools.
 - ◆ When opened, impermissible overpressure can be relieved without danger.
 - * Flange connection DIN 11864-2/11853-2
 - ◆ Detachable with tools.
 - ◆ When opened, impermissible overpressure can be relieved without danger.
 - * Clamp connection DIN 11864-3/11853-3
 - ◆ Very easy to detach without tools.
 - ◆ When opened, impermissible overpressure can escape abruptly.



Usage	Features	Versions
<ul style="list-style-type: none"> Special features of all connections according to DIN 11864 and DIN 11853 <ul style="list-style-type: none"> * 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 gasket by means of a metallic stop prevents any necessary retightening in the event of a temperature change and guarantees a longer service life of the O-ring 		

Usage	Features	Versions
<ul style="list-style-type: none"> Screwed pipe connection DIN 11864-1/11853-1 (figure 1) <ul style="list-style-type: none"> * Male part (GS), liner (BS), O-ring (R), union nut (F), male part blank (BGS), liner blank (BBS). Flange connection DIN 11864-2/11853-2 (figure 2) <ul style="list-style-type: none"> * Flange groove (NF), flange collar (BF), O-ring (R), blind flange collar (BBF), blind flange groove (BNF), hexangonal screws and nuts. Clamp connection DIN 11864-3/11853-3 (figure 3) <ul style="list-style-type: none"> * Clamp ferrule groove (NKS), clamp ferrule collar (BKS), O-ring (R), clamp closure, blind ferrule groove (BNKS), blind ferrule collar (BBKS). Sizes <ul style="list-style-type: none"> * DN 10 - DN 100, DIN 11866 row A and DIN EN 10357 series A * 13,5 - 88,9 mm, DIN 11866 row B * 1/2" - 4", DIN 11866 row C Permissible pressure (related in each case to the outer pipe diameter) <ul style="list-style-type: none"> * Screwed pipe connections DIN 11864-1/11853-1 <ul style="list-style-type: none"> ◆ 12,7 mm - 41 mm: 40 bar ◆ 42,4 mm - 104 mm: 25 bar * Flange connections DIN 11864-2/11853-2 <ul style="list-style-type: none"> ◆ 12,7 mm - 41 mm: 25 bar ◆ 42,4 mm - 104 mm: 16 bar ◆ 114,3 mm - 154 mm: 10 bar * Clamp connections DIN 11864-3/11853-3 <ul style="list-style-type: none"> ◆ 12,7 mm - 41 mm: 40 bar ◆ 42,4 mm - 70 mm: 25 bar ◆ 76,1 mm - 104 mm: 16 bar Materials <ul style="list-style-type: none"> * Standard: 1.4435, 1.4404, 1.4307 * Other stainless steels, titanium or hastelloy * FDA compliant gaskets: VMQ, EPDM, HNBR, FKM Surfaces <ul style="list-style-type: none"> * Inside and outside classified in different hygienic classes. Certification <ul style="list-style-type: none"> * Certificate of conformity of the gaskets, e.g. FDA. * Certificate 2.2 according to DIN EN 10204 * Inspection certificate 3.1 acc. to DIN EN 10204 for the primary material * Inspection certificate 3.1 acc. to DIN EN 10204 AD2000-W2 is possible 		<p data-bbox="1324 806 1396 840">Fig. 1</p>  <p data-bbox="1324 1209 1396 1243">Fig. 2</p>  <p data-bbox="1340 1590 1412 1624">Fig. 3</p> 