



Chemical Industry

DDCouplings®
Dry Disconnect Couplings



Swivels
Swivel Joints



SBCouplings®
Safety Break-away Couplings





Dry Disconnect couplings for the chemical industry

Mann Tek Dry Disconnect Couplings are used for spill free handling and transfer of liquids, gases and bulk powder in an economical, safe and environmental friendly way.

The self sealing design of the couplings guarantees both the highest level of safety and also the quickest way of connecting and disconnecting without any spillage or product loss.

Applications

DDCouplings are commonly used for loading / unloading and transfer at:

- Rail tankers
- Tank trucks
- Containers
- Blending pits
- etc.

DDCouplings® *Dry Disconnect Couplings*

Size:

The couplings are available with BSP- and NPT-threads in sizes ¾" (DN 20) to 8" (DN 200). Other threads are available on request (S60X6, Acme etc.).

The tank units and Hose units are also available in flanged connections (DIN, ANSI, TW, TTMA, EN 1092-1:2001).

Materials:

Aluminium, Brass/Gunmetal, Stainless Steel, Hastelloy C and PEEK. Other materials on request.

Seals:

FPM (Viton®), EPDM, Chemraz®, Kalrez®, NBR (Nitrile). Other materials on request.

Maximum Working pressure:

MWP PN 10 / 16 / 25.

MAWP 150 / 300 psi

Test Pressure:

15 / 24 / 38 bar

225 / 450 psi

Interchangeability:

Compatibility with other existing brands according to NATO STANAG 3756 and ATOFINA SGM 2049.TUY.C.

Special models:

With integrated break-away, pressure relief valve, etc. on request.



Swivels

Swivel Joints



Mann Tek Swivels are used to enable free rotation of hoses, nozzles, fittings etc. when used with strings of hose, hose reels etc.

Sizes

¾" (DN20) to 10" (DN200)

Maximum Working pressure

MWP PN 10-125 bar

MAWP 150-1800 psi

Materials

Aluminium, Brass, Stainless steel, Hastelloy, Titanium. Others on request.

Connections

Female and Male BSP / NPT, flanged DIN and ANSI. Others on request.



Safety Break-away couplings are used to prevent pull away accidents, the internal valves will close the flow in both lines and prevent unwanted release of product.

The Safety Break-away couplings are available as Industrial and Marine type.

Industrial Break-aways are used at fix points like manifolds, pipelines depots etc.

Marine Safety Break-aways are designed to only release by inline pull and used between two strings of hose.

SBCouplings®

Safety Break-away Couplings

Sizes

1" (DN25) to 12"
(DN 300)

Maximum Working pressure:

MWP PN 10 / 16 / 25.

MAWP 150 / 300 psi

Materials

Aluminium, Brass, Stainless steel, Hastelloy, Titanium. Others on request.

Connections

Female and Male BSP/NPT, flanges DIN and ANSI.

Others on request.



About Mann Tek

Mann Teknik AB is a Swedish company located in Mariestad, Sweden.

Mann Teknik AB designs, manufactures and markets products for safe and environmentally friendly handling of aggressive fluids for the chemical and petrochemical industries.

The main product is the Dry Disconnect Couplings, DDCouplings®, for spill free liquid handling. The products are marketed through independent representatives in more than 30 countries.



Company Approvals

Mann Teknik AB are certified to ISO9001:2008. The products are CE-labeled. The main products are certified to PED, the European Pressure Equipment Directive and ATEX, the European directive for Equipment intended for use in Potentially Explosive Atmospheres.

The products are produced in accordance with several important standards, e.g. the NATO STANAG 3756



KilltheSpill

Product and company information



Approvals



ISO 9001, PED 97/23/EC, TDT, TÜV, Apragaz, FMV, Gost, ATEX e.t.c

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Mann-Tek is a certified ISO9001-company.