



Chemical Industry

MannTek



The MannTek way

We strongly believe in connections – in more ways than one. Since 1997 we have been producing innovative and safe coupling products. But that’s not where the story ends. We develop coupling solutions beyond expectations.

None of this would be possible without dedicated teams. Our experienced personnel are the heart of our existence. We deliver engagement and dedication embodied in customized solutions for our customers. In a world where humans create new challenges every day, we provide reliable and innovative solutions to meet our customers’ most pressing needs.

That’s why our organization is built upon good communication, respect for others, and trust. At MannTek it is essential to connect with each other, with customers and with distributors, based on respect and understanding. Our open working environment and company culture fosters communication and knowledge sharing in a free climate.

“
Connections, dedicated teams, innovative expertise – all beyond expectations



Innovative, safe and reliable

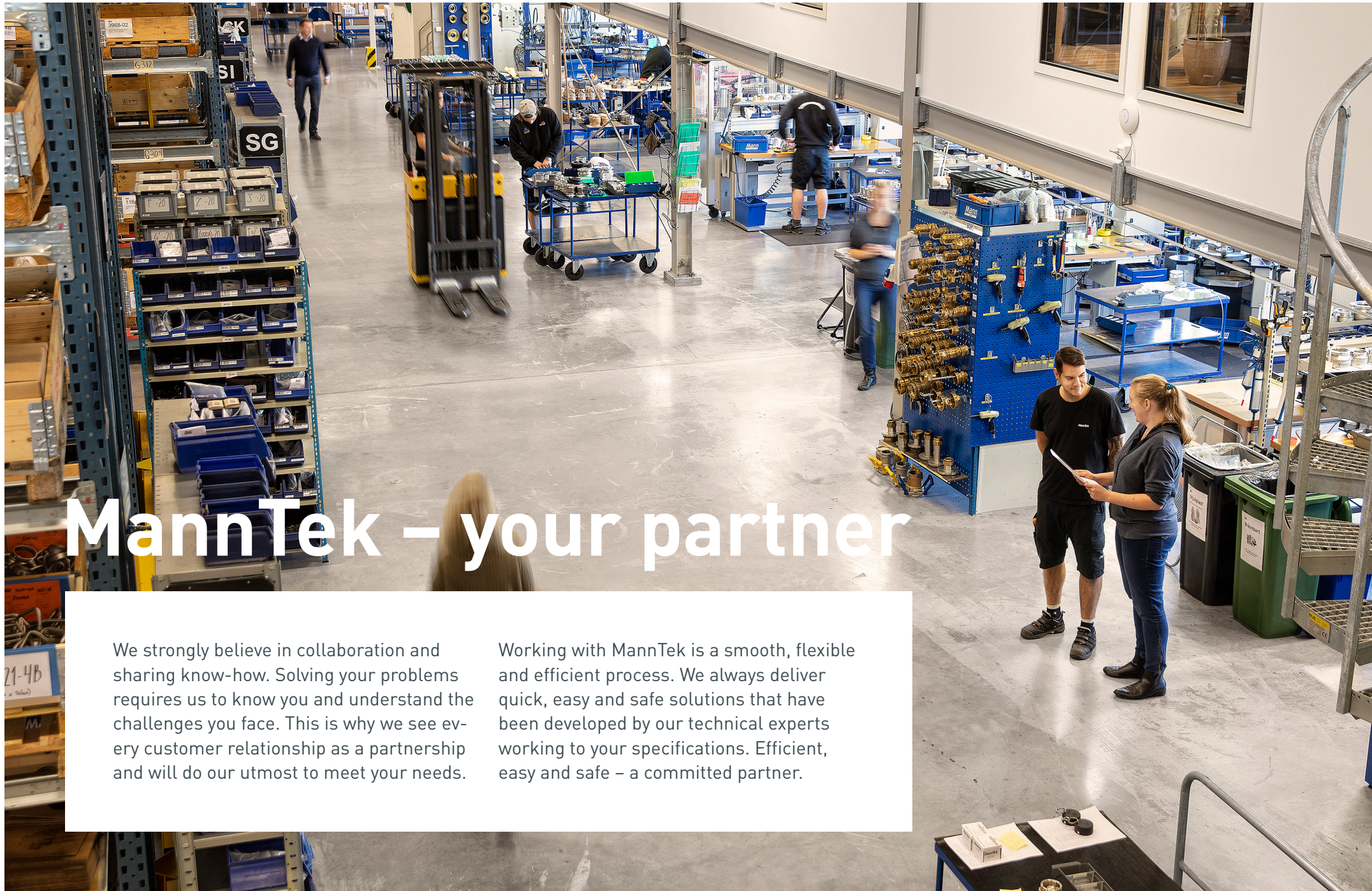
SIMPLE EFFICIENCY



Customized solutions

UNLIMITED POSSIBILITIES





MannTek – your partner

We strongly believe in collaboration and sharing know-how. Solving your problems requires us to know you and understand the challenges you face. This is why we see every customer relationship as a partnership and will do our utmost to meet your needs.

Working with MannTek is a smooth, flexible and efficient process. We always deliver quick, easy and safe solutions that have been developed by our technical experts working to your specifications. Efficient, easy and safe – a committed partner.

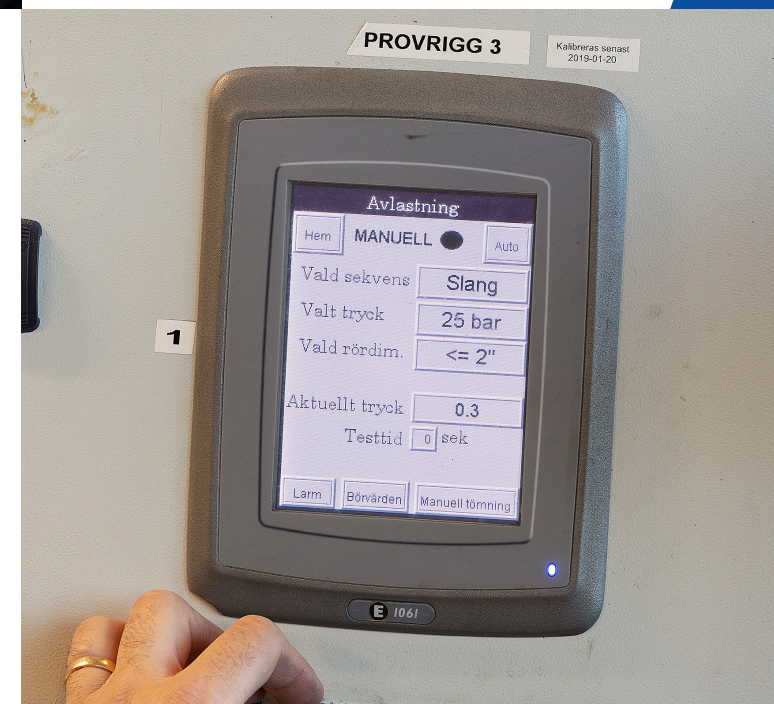
A UNIQUE CRAFT

We never compromise with quality. Designing for essential safety requires knowledge, competence and expertise. Our production team has unique skills that take innovation to a new level. This is the foremost reason we can call ourselves market leaders today.



TAILOR-MADE COUPLINGS Working with aggressive fluids, gases and bulk powder requires more than safety. Our couplings guarantee no spill thanks to a tailor-made design. A solution from MannTek is the best way to make sure the work environment remains clean, safe and spill-free.

EASY, READY AND OPTIMIZED With more than 20 years of experience of producing couplings for harsh environments, we know the drill. We are continuously improving and extending the performance and design of our products. Working with us is easy as we deliver safe, cost-effective solutions.



BE SAFE – EVERY DAY

Designing pipe works, hoses, valves and tanks for aggressive, explosive or otherwise dangerous media is always challenging. And it's especially challenging to design the parts that human hands touch. Safety, robustness and reliability are what we cope with every day.



We design the widest range of DDC couplings in the world – available in almost any existing metal and many composite materials. Combined with sealing materials with working temperatures from -196°C to $+280^{\circ}\text{C}$, and the largest variation of connections, this makes a unique match to specific requirements. To fulfil special handling procedures our couplings could be equipped to suit almost any requirements.



Service to the food and beverage industry. Our couplings have been used for beer transportation for many years now. Distilleries are now following in their footsteps, as both whisky and other liquor producers appreciate how our dry disconnect couplings improve their working environment. DDCs deliver full spillage control and eliminate unwanted mixing of products.



OUR SOLUTION RANGE

For the chemical industry we deliver a wide range of products for demanding applications in many different operations.

DDC – Dry Disconnect Couplings

DEC – Dry Evotek Couplings

SBC – Safety Breakaway Couplings

DDC

Dry Disconnect Couplings

A single action to connect. Spill-free handling in the chemical industry. The highest level of safety.

+ Key benefits

RAPID No need to drain hoses or pipe

COST-EFFICIENT No loss or spillage of liquids when connecting or disconnecting

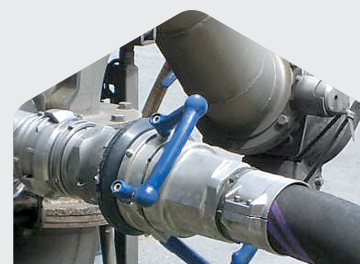
SAFE The valve cannot be opened until the unit is coupled

ENVIRONMENTALLY FRIENDLY Accidental spillage eliminated

RELIABLE No loss or spillage of liquids at connection or disconnection

Applications

- Top and bottom loading of tank trucks, ISO containers, railcars, etc.
- Blending pits/mixing stations
- Internal plant handling
- Coupling from delivery truck to storage tank.
- Sampling



Easy to handle



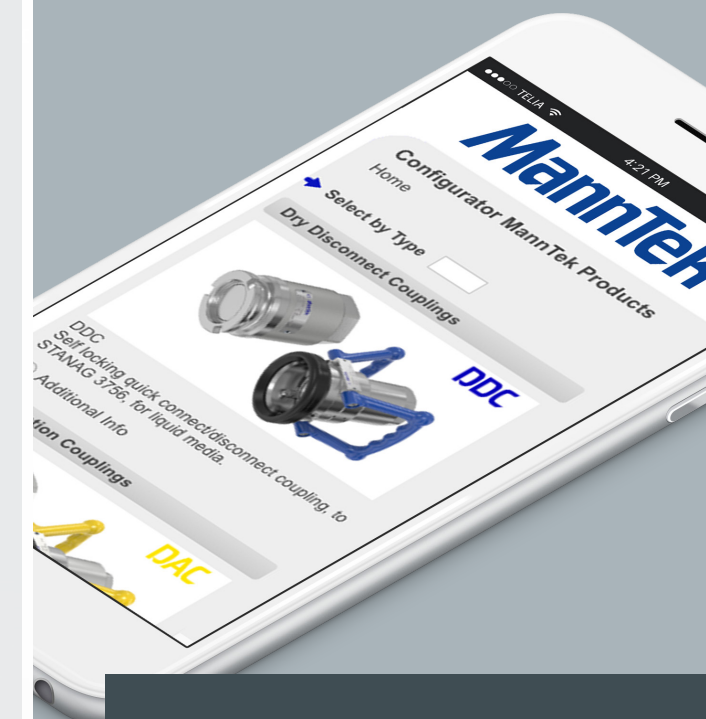
Push & turn – free flow



Turn and pull – closed



TRY OUR ONLINE CONFIGURATOR



Find your solution

Find your tailor-made product easily with our configurator. Your solution is just a few clicks away. You can save and return to your products.

configurator.manntek.se →

OUR SOLUTION RANGE

DDC – Dry Disconnect Couplings

DEC – Dry Evotek Couplings

SBC – Safety Breakaway Couplings

DEC

Dry Evotek Couplings

A new generation of Dry Disconnect Couplings ergonomically designed for coupling against pressure, with minimal pressure loss and minimal effort to separate.

+ Key benefits

LOW CONNECTING FORCES

ERGONOMIC HANDLE

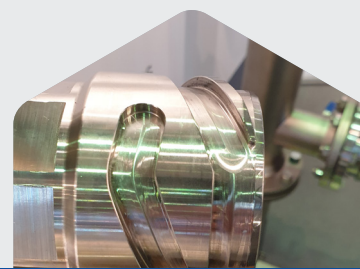
GOOD TRANSITION RATIO IN THE CAM CURVE

WIDE RANGE OF CHEMICAL RESISTANCE AND HIGH-QUALITY MATERIALS

MINIMIZED SPILLAGE DURING DECOUPLING

Applications

- Top and bottom loading of tank trucks, ISO containers, railcars, etc.
- Blending pits/mixing stations
- Internal plant handling
- Coupling from delivery truck to storage tank.
- Sampling



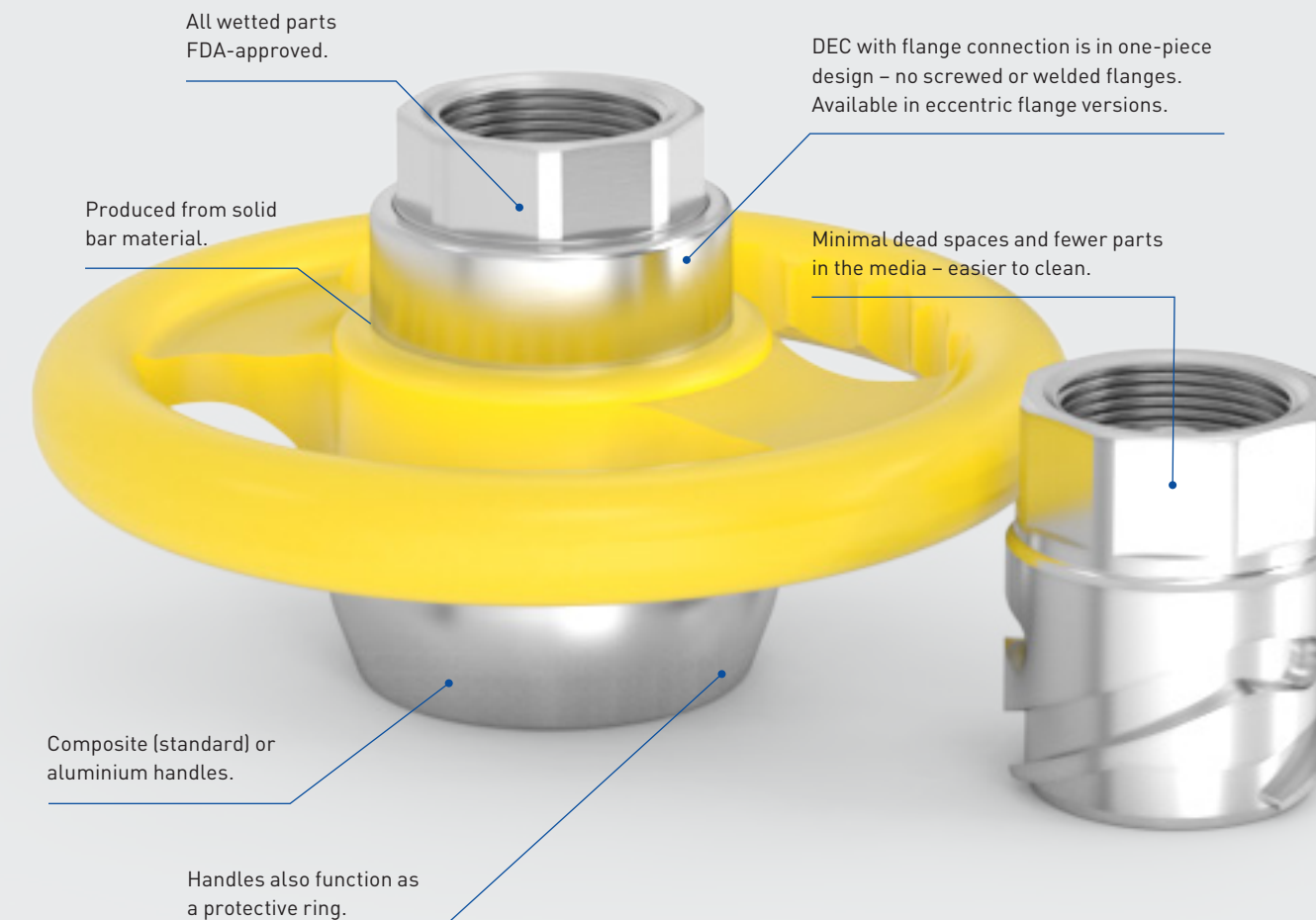
Easy to handle



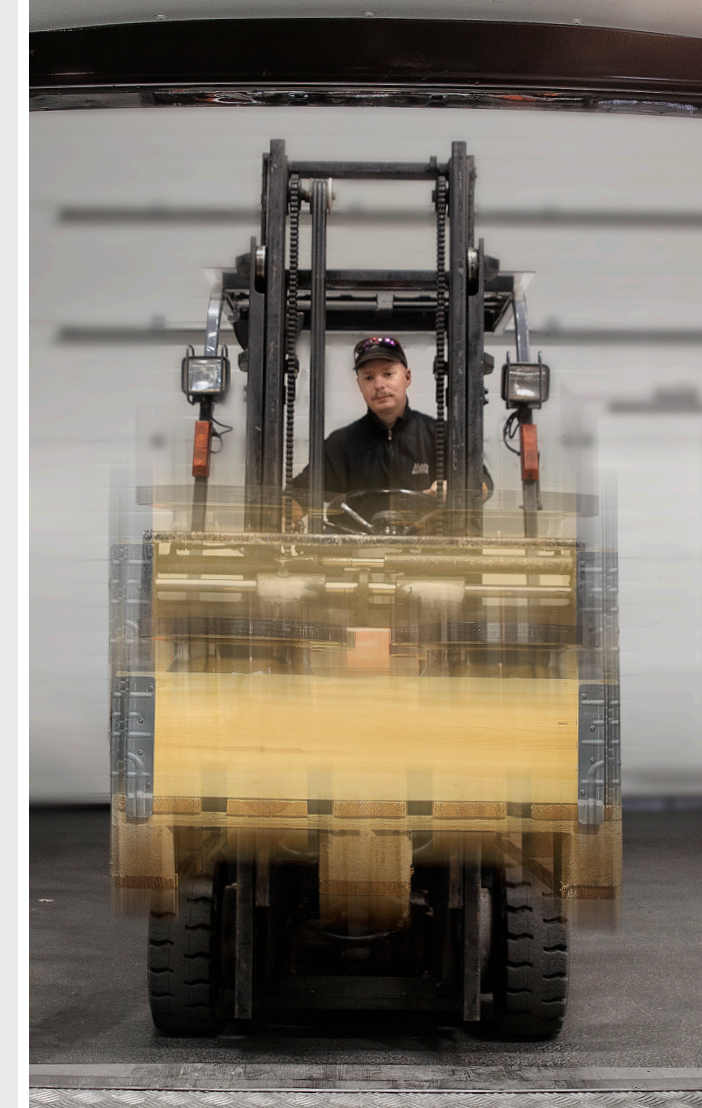
Push & turn – free flow



Turn and pull – closed



SHIPPING WORLDWIDE



OUR SOLUTION RANGE

DDC – Dry Disconnect Couplings

DEC – Dry Evotek Couplings

SBC – Safety Breakaway Couplings

SBC

Safety Breakaway Couplings

Prevent pull-away accidents and create a higher safety level for transfer systems. Our SBC Couplings are safe, flexible and efficient. There are two types available – breaking bolt or cable release.

+ Key benefits

EASY TO HANDLE Easy for a single person to reset on-site. Light-weight, robust design. Simple mechanism with no loose components that could be lost after release.

SAFE Passive security against situations where a hose or loading arm might be subjected to inadvertent excessive loads.

COST-EFFICIENT Operates independently of shut-off safety system. No external power source required. Very low-loss, positive shut-off of both coupling halves results in minimal product loss.

FLEXIBLE High flow rate/low pressure drop. Available with ANSI/DIN flanges or threaded (BSP or NPT)

Applications

- Ship to rig fluid transfer
- Ship to shore fluid transfer
- Ship to ship fluid transfer
- Bunkering, Marine refueling



Easy installation



Calculated breaking point



Valves close at separation for minimal spill

BREAKING BOLT

Variation of breaking load – will be calculated for each installation.

Available in both industrial version with any breaking angle – and marine type with straight pull only.

Slim design is available for hose reels application.

Protect line from over pressure.

Choose inlet and outlet connections individually – any combination of connection available.

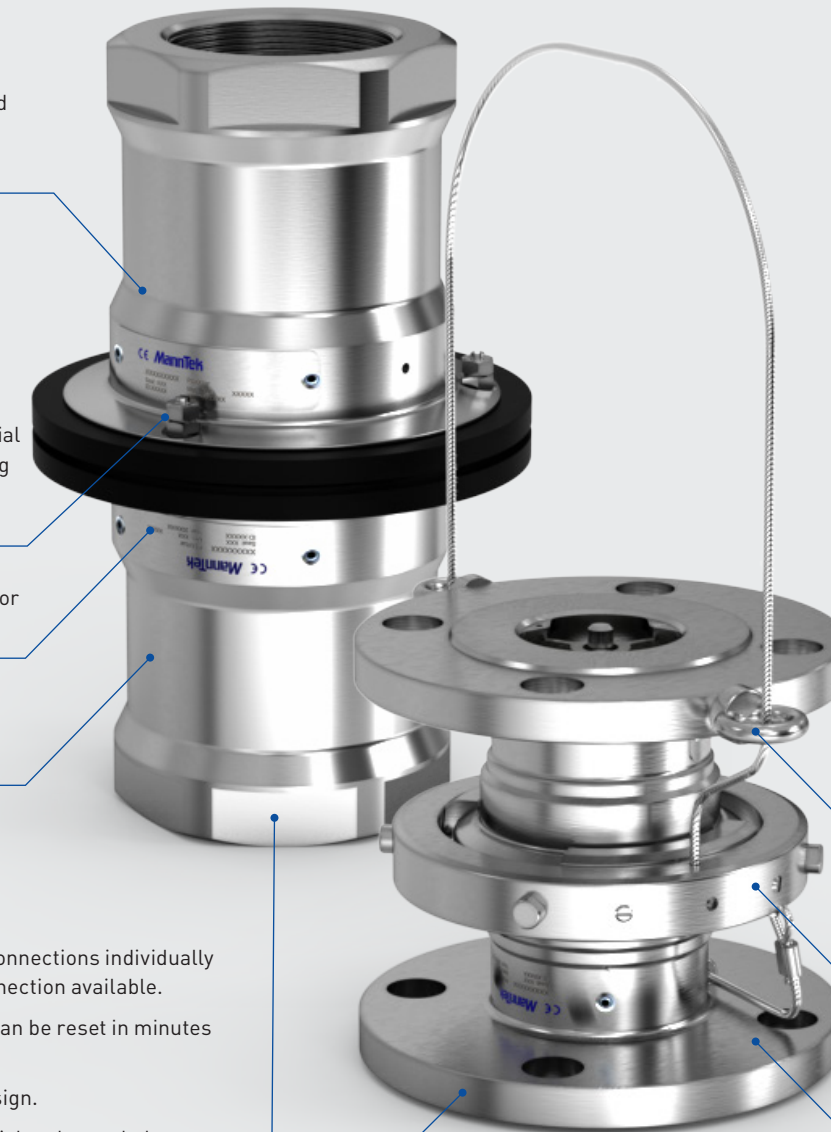
After activation the unit can be reset in minutes without special tools.

Reliable poppet valve design.

Easy to service – no special tools needed.

No nipples or reducers necessary – produced with a wide range of flanges and threads.

Available with integrated hose shank.



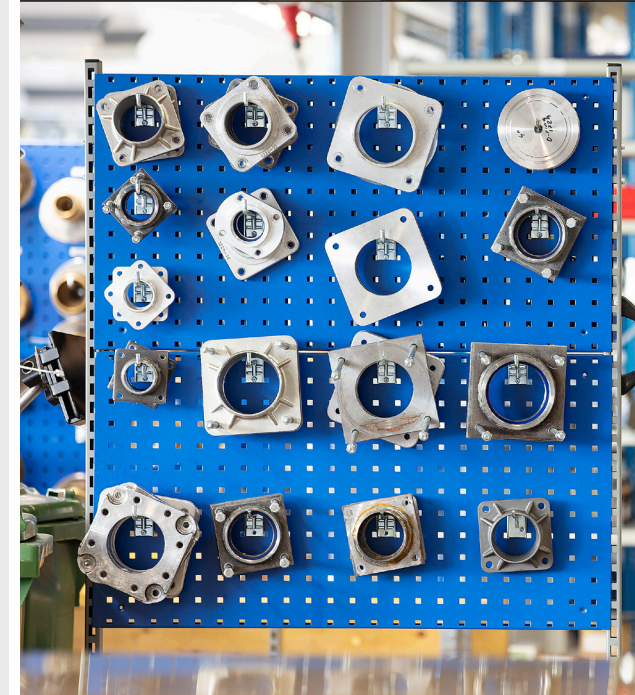
CABLE RELEASE

Breaking force more independent from pressure.

Withstands extreme sideload.

Low breaking force.

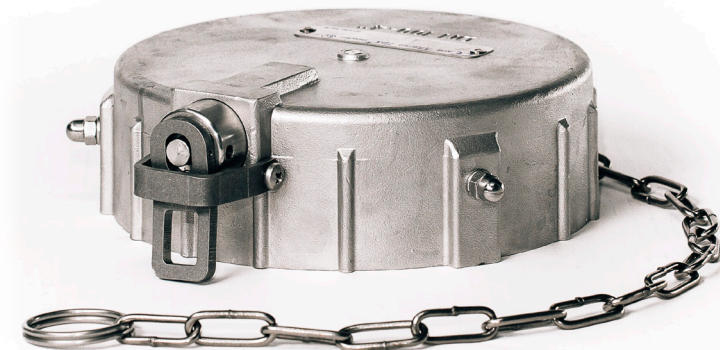
FIRST IN LINE FIRST IN TIME



INNOVATIVE ACCESSORIES

Some of our most popular accessories. Our online configurator will give a complete overview matching your product specifications. Like our couplings, our accessories are always certified by Lloyds, TÜV, Apragaz, Bureau Veritas, TDT, plus any regionally required approvals.

PRESSURE CAPS THAT CAN REPLACE COUPLINGS Third closure (valve) on rail tankers, containers and tank trucks. Maximizes safety both for operator and container. Can be used instead of traditional ball valves.



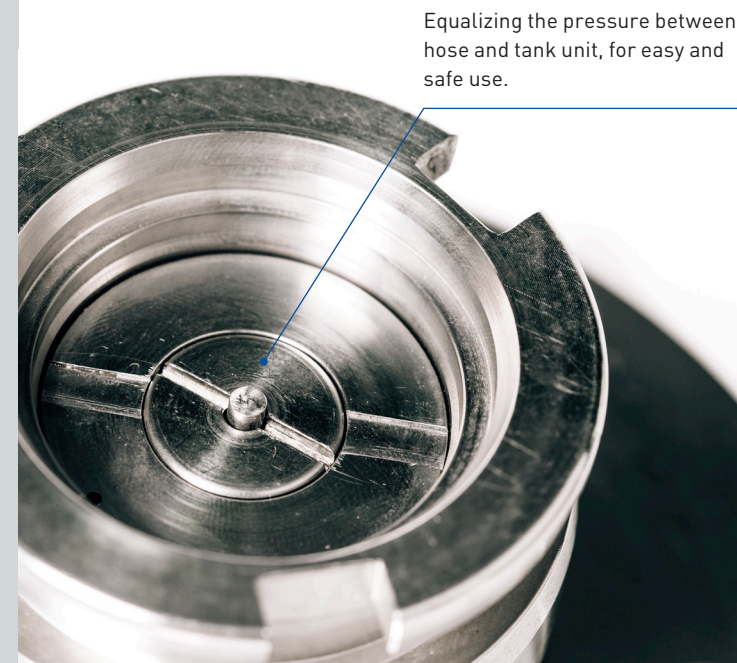
PRESSURE EQUALIZING VALVE This system dissipates trapped fluid pressure into the hose coupler without spillage, to allow easy connection. Allows safe opening without pressure.



SWIVEL JOINTS Enables free and slow rotation of hoses, nozzles and other fittings under the influences of internal pressure and/or external forces.



TANK UNITS with eccentric flanges. Tank units / Adapters with eccentric flanges are available in sizes 1" to 6". Eliminates risks of liquid remaining in the tube.



Reverse Search by MannTek Part Number ⓘ

Sample of a MannTek ID Plate.

To simplify re-orders type in the existing MannTek part number.

Type in Part Number PSXXbar XXXXXX
Seal: XXX Mtrl.: XXX Year: 20XX/XX
ID:XXXXX

Additional Info

Dry Gas Couplings

DGC self locking quick connect/disconnect coupling for aviation fuel, to EN 13760 / EN 13175, for the

Copyright Mann Technik AB / Privacy Terms
Last Update: 10.12.2018

Find all our accessories in one place

Find your tailor-made product easily with our configurator. Your solution is just a few clicks away. You can save and return to your products.

configurator.manntek.se →

MannTek

Phone +46 501 39 32 00
Fax +46 501 39 32 09
Email sales@manntek.se
Website www.manntek.se
Address Mann Teknik AB
Strandvägen 16
S-542 31 Mariestad
Sweden

Sales office
Argentina China Germany
Great Britain Netherlands
Sweden United Arab Emirates

COMPANY APPROVALS

