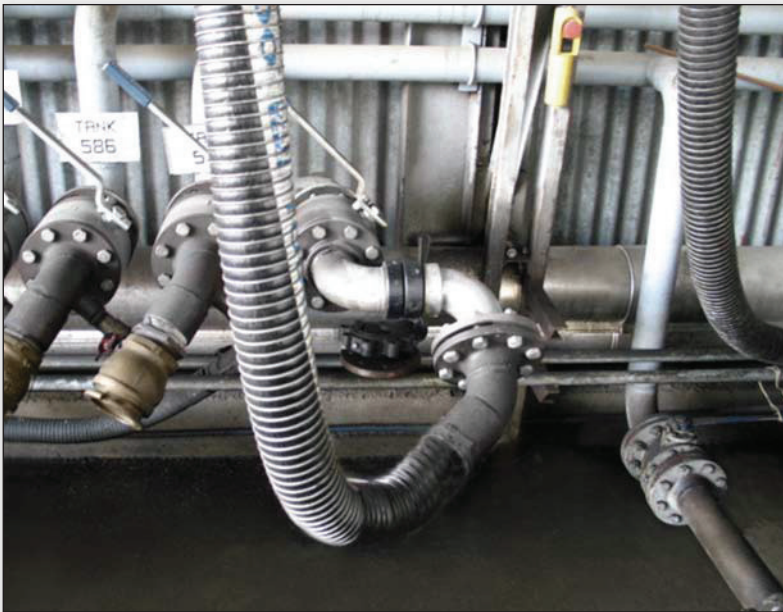


TODO®

A Gardner Denver Product

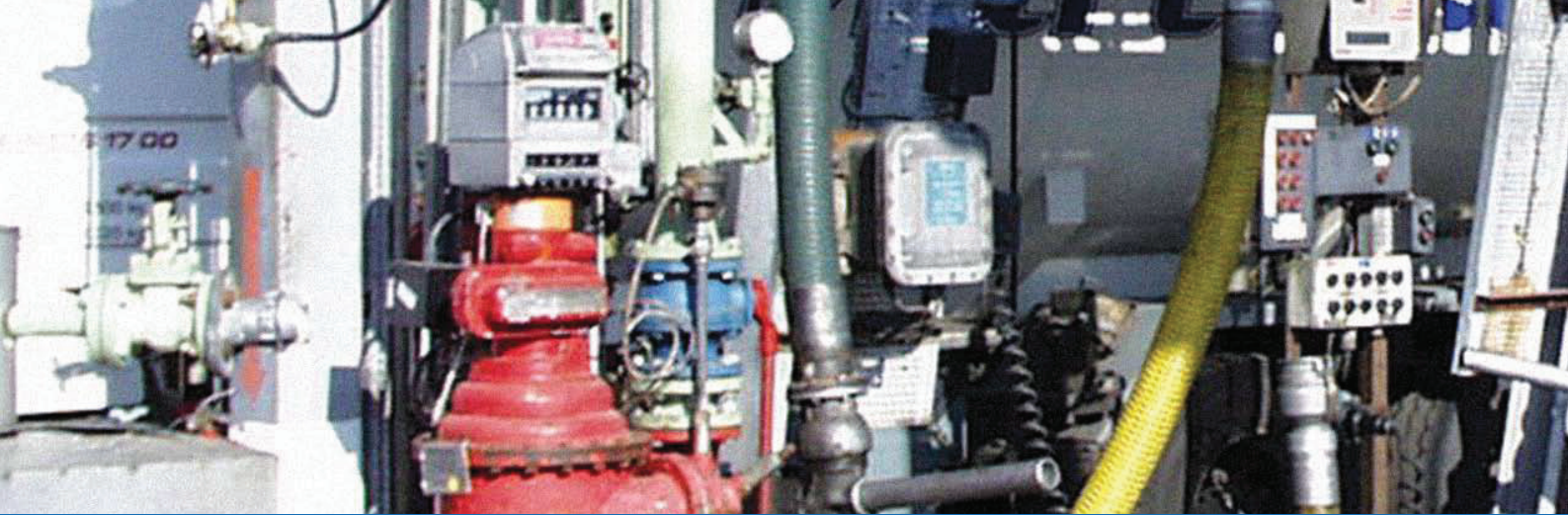
SWIVELS



TODO® SWIVELS

Developed originally as part of the TODO-MATIC® coupling construction then subsequently as a stand alone product, the TODO® swivel has proved itself in the toughest applications for over 20 years.

Used mainly to allow free hose movement without imparting torque stresses to the assembly (one of the biggest causes of premature hose failure).



FEATURES

- Simple design, low maintenance
- Very compact
- High flow rate / low pressure drop
- Full range of sizes, materials and connections
- Stainless steel bearings and single o-ring seal for reliability

HOW IT WORKS

The addition of a TODO® swivel to a flexible hose assembly allows the hose to relax to its natural rest position whilst allowing freedom of movement without imparting torque stress at the point of connection.

(Torque stress is the largest single cause of PTFE and stainless steel convoluted hose failure).

TECHNICAL DETAILS

Sizes:	In sizes from ¾"(DN19) to 4" (DN100).
Materials:	Aluminium, gunmetal/brass and 316L stainless steel.
Seals:	A full range of elastomeric seals available. FPM (Viton®) as standard.
Thread seals:	AI & GM = PUR (Polyurethane), SS = PTFE (Teflon®).
Working pressure:	1", 2", 2½", 3" stainless steel PN 25 bar. Others PN 10 bar.
Test pressure:	Working pressure +50%.
Safety factor:	5:1
End connections:	Male / female BSP-threads. Others on request.

Viton® and Teflon® is registered trademarks of DuPont Performance Elastomers.



A SELECTION OF TODO® SWIVELS



4" BSP female - male



3" Flange - BSP male



2½" BSP female - male



2" BSP male - NPT female



1½" BSP male - female



1½" BSP male - male



1" BSP male - female

CERTIFICATES / APPROVALS

94/9/EC (ATEX) compliant.
Manufactured under EN ISO 9001:2000.



TODO® is the world's leading manufacturer of DRY-BREAK® couplings

TODO® was established as a family concern in 1971 based in Töreboda, Sweden. In 2006 TODO® was acquired by Gardner Denver International and now form part of the companies Fluid Transfer Division. With 35 years of experience in the fluid handling industry TODO® is now established as the world's leading manufacturer of DRY-BREAK® couplings. These couplings are supplied globally into a diverse range of industrial applications for the transfer of oil, gases, chemicals etc.

TODO-MATIC® DRY-BREAK® couplings provide easy, quick, safe and environmentally friendly handling of liquids and gases. They minimise risk of operator exposure to emissions, provide better ergonomics, reduce human error and achieve commercial benefits through time saving / clean up costs.

TODO® design and manufacture to EN ISO 9001:2000 accredited quality procedures and provide a product range that conforms to all relevant international quality, performance and safety standards. TODO-MATIC® couplings carry the highest level of certification and approvals available.

PRODUCT RANGE



TODO-MATIC®



TODO-GAS®



TODO® Safety Break Away



TODO-45 aviation



PTC (Pressure Tight Cap)



Ball Valves



Fuel Nozzles



API couplings



Swivels

© Copyright TODO AB. TODO AB reserves the right to make changes at any time in prices, materials, specifications and models and to discontinue models without notice or obligations. Art. no. M-020800-1. Version 070201