



BREAKAWAY (WEAKLINK) COUPLINGS

Breakaway couplings are safety components used to prevent one of the most serious safety hazards in the process of loading fluid media: the unwanted and disproportionate tensile load on the load line, caused, for example, when supply vessels drift or move off too soon. Such tensile loads can mechanically damage or even destroy both the connection points and the load line itself, which could even lead to uncontrolled leaks of the media being loaded, posing a corresponding hazard to humans and the environment

PRODUCT CODE	DESCRIPTION
SBC052NPTFSS	52nb Breakaway NPTF Marine Grd 316s/s
SBC076NPTFSS	76nb Breakaway NPTF Marine Grd 316s/s
SBC102NPTFSS	102nb Breakaway NPTF Marine Grd 316s/s

MARINE STYLE

This has been specially developed for marine and offshore applications as well as for use between two hose lines. The innovative design is characterised by its high resistance to lateral forces that can affect the coupling, causing it to release unintentionally. This is achieved by means of a cylindrical overlap, or tapered overlap, between the two coupling halves. In scenarios where the breakaway coupling is fitted between two hose lines, the ABVM series offers a high degree of resistance to lateral forces such as those that can affect floating hoses in a heavy swell or when hose lines are being coiled. The marine series breakaway couplings only separate when subjected to an axial load. After the separation, the valves close and prevent the medium from escaping from the hose and tube side, and in this way protect both humans and the environment. Costly accidents are thus voided. Separation occurs in a controlled fashion by means of the breaking pins integrated into the breakaway coupling.



BREAKAWAY (WEAKLINK) COUPLINGS

PRODUCT CODE	DESCRIPTION
SBC052FONPTFSS	52nb Breakaway NPTF Flow optimised Marine 316s/s
SBC076FONPTFSS	76nb Breakaway NPTF Flow optimised Marine 316s/s
SBC102FONPTFSS	102nb Breakaway NPTF Flow optimised Marine 316s/s

MARINE STYLE-OPTIMISED FLOW

This variant of the flow-optimised breakaway coupling offers exceptional resistance to lateral forces and was specially developed for use in marine and offshore applications. As with the ABVL series breakaway coupling, this coupling is particularly suitable for situations that require high flow rates and low pressure losses. This variant is similar to the standard ABVM marine breakaway coupling in that it is designed to offer high resistance to lateral forces. A cylindrical overlap between the two coupling halves is also used here as a structural element to achieve the desired degree of lateral-force stability. However, the focus of the ABML series breakaway couplings is on delivering the high flow rate of the ABVL series. Compared to the standard marine breakaway coupling, this cuts loading times by up to 75 per cent, this delivering real financial returns from its first use on. Due to the low pressure losses in this flow-optimised variant, the ABML series breakaway coupling is also particularly suitable for retrofitting to existing loading facilities – without any significant increase in loading times.

Technical specifications, including dimensions, flow characteristics and breaking points are available on demand.

Note: Many other types, sizes and materials are available on demand