



Mann Tek Safety Break-away Coupling - Marine Version

Application:

- typically for ship-to-offshore platform and ship-to-ship product transfer operations

Features:

- designed to be installed within a hose string where the coupling will have a length of hose attached to both sides
- minimizes spillage and damage associated with pull-away incidents
- coupling automatically senses excessive load, closes the valves and disconnects, release is executed when force causes bolts to break
- working pressure: **360 PSI** at ambient temperature **70°F (21°C)**
- FKM (FPM) O-rings
- optional non-closure design available, contact Dixon®



Female NPT x Female NPT

Size	DN Size	316 Stainless Steel	
		Part #	Price/E
2"	50	MSBC200SS	\$3210.70
3"	80	MSBC300SS	5680.95
4"	100	MSBC400SS	9110.75
5"	125	MSBC500SS	17259.20



Male NPT x Male NPT

Size	DN Size	316 Stainless Steel	
		Part #	Price/E
2"	50	MSBC200SSMNPT	\$3331.30
3"	80	MSBC300SSMNPT	5926.65
4"	100	MSBC400SSMNPT	9725.50
5"	125	MSBC500SSMNPT	16233.15
6"	150	MSBC600SSMNPT	32438.60



150# Flange x 150 Flange

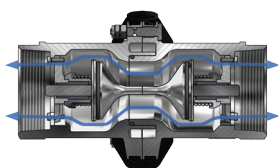
Size	DN Size	316 Stainless Steel	
		Part #	Price/E
2"	50	MSBC200SSFL	\$4923.95
3"	80	MSBC300SSFL	7895.55
4"	100	MSBC400SSFL	11325.30
5"	125	MSBC500SSFL	19382.40
6"	150	MSBC600SSFL	30838.40
8"	200	MSBC800SSFL	63601.75



- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

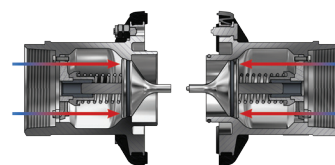
How it Works

Safety break-away couplings have three external break bolts. In the case of axial tension all of the bolts take up the force corresponding to the break force on the hose with a safety margin. Non-axial forces concentrate the tension forces more strongly on one bolt, so that the safety break-away coupling reacts in a natural way to the reduction of the hose break forces.



BEFORE emergency disconnect

The safety break-away valve consists of two halves, each with a valve that has a O-ring seal.



AFTER emergency disconnect

When the safety break-away couplings separate, it allows the valves to close. The two valves close rapidly, minimizing exposure to personnel and the environment.