

## MANNTEK SAFETY BREAK-AWAY COUPLING MARINE MALE NPT



DATE

: 04/22/2026 10:14 AM

SKU

: 16790

BRAND

: DIXON VALVE

MODEL

: MSBC500SSMNPT

### Applications:

Coupling is designed to minimize spillage and damage associated with pull away incidents.

Typically used in 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

Coupling automatically senses an excessive load, closes the valves and disconnects

Release is executed when force causes bolts to break

### Construction:

316 Stainless Steel body

FKM O-rings

### Available Options:

Also available in 150# Flange BSP thread, DN Flange, 300# ASA Flange, Grooved Ends or any combination thereof. Consult Dixon for more information.

Optional Non-closure Design available, consult Dixon for more information. The non-closure design is an economical alternative which allows the coupling to break away due to pull-away/drive-away incidents thus protecting piping systems and equipment. The design allows spillage of product in these instances due to the lack of valving in the coupling. Useful applications where non-hazardous product is being conveyed and where there are no environmental concerns.

### How it works:

The safety break-away valve consists of two halves, each with a valve that



\* Referential image

\*\* Some features may vary without prior notice. Sale subject to inventory availability

has an O-ring seal. 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.

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.

Safety notes:

WARNING: Cancer and Reproductive Harm- [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## TECHNICAL SPECIFICATIONS

<b>DN Size</b>	125.0
<b>Factory Part Number</b>	MSBC500SSMNPT
<b>Flow</b>	1100 GPM (4154 LPM)
<b>Length</b>	n/a
<b>Material</b>	316 Stainless Steel
<b>Seal</b>	FKM (FPM)
<b>Size</b>	5"
<b>Weight Lb</b>	40.5000
<b>Width</b>	n/a
<b>Working Pressure</b>	360 PSI at 70°F (21°C)