

**MANNTEK SAFETY  
BREAK-AWAY COUPLING  
INDUSTRIAL MALE NPT**



DATE  
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SKU  
: 18959

BRAND  
: DIXON VALVE

MODEL  
: SBC500ALMNPT

Applications:

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

Typical applications: loading rack

Features:

Designed to be installed between a fixed point (pipe, pump, manifold) and a hose

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

High flow rate / low pressure drop

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 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

\* Referential image

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

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.

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>	SBC500ALMNPT
<b>Flow</b>	1100 GPM (4154 LPM)
<b>Length</b>	13.8" (351mm)
<b>Material</b>	Aluminum
<b>Seal</b>	FKM (FPM)
<b>Size</b>	5"
<b>Weight Lb</b>	16.0000
<b>Width</b>	10.6" (269mm)
<b>Working Pressure</b>	230 PSI at 70°F (21°C)