# MANNTEK SAFETY BREAK-AWAY COUPLING INDUSTRIAL MALE NPT



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

DATE
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SKU
: 18968

BRAND
: DIXON VALVE

MODEL
: SBC600SSMNPT

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



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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

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **DN Size** | 150.0 |
| **Factory Part Number** | SBC600SSMNPT |
| **Flow** | 1500 GPM (5678 LPM) |
| **Length** | 16" (406mm) |
| **Material** | 316 Stainless Steel |
| **Seal** | FKM (FPM) |
| **Size** | 6" |
| **Weight Lb** | 36.5000 |
| **Width** | 12" (305mm) |
| **Working Pressure** | 360 PSI at 70°F (21°C) |



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