# MANNTEK SAFETY BREAK-AWAY COUPLING INDUSTRIAL FEMALE NPT




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

DATE
: 11/24/2026 01:21 AM

SKU
: 18960

BRAND
: DIXON VALVE

MODEL
: SBC500SS

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



KMX
2645 Executive Park Drive, Weston, Fort Lauderdale, FL 33331, EEUU
sales@kmxusa.us
www.kmxusa.us

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** | 125.0 |
| **Factory Part Number** | SBC500SS |
| **Flow** | 1100 GPM (4154 LPM) |
| **Length** | 14" (356mm) |
| **Material** | 316 Stainless Steel |
| **Seal** | FKM (FPM) |
| **Size** | 5" |
| **Width** | 10.6" (269mm) |
| **Working Pressure** | 360 PSI at 70°F (21°C) |



KMX
2645 Executive Park Drive, Weston, Fort Lauderdale, FL 33331, EEUU
sales@kmxusa.us
www.kmxusa.us