

MANNTEK SAFETY BREAK-AWAY COUPLING INDUSTRIAL FEMALE NPT



* Referential image

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

DATE

: 07/09/2026 03:14 PM

SKU

: 18936

BRAND

: DIXON VALVE

MODEL

: SBC100SS

Applications:

Coupling is designed to minimize spillage and damage associated with drive away and pull away incidents. Typical applications: loading rack
Suitable for LP Gas service

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

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

Factory Part Number	SBC100SS
Material	316 Stainless Steel
Seal	FKM (FPM)
Size	1"
Weight Lb	5.0000
Working Pressure	360 PSI at 70°F (21°C)