

Dixon® MannTek Safety Breakaway Couplings – Industrial Version

Application

- Loading rack, bulk loading/unloading, road tankers, and rail tankers

Features

- Designed to be installed between a fixed point (pipe, pump, manifold) and a hose. Release with a tensile force being applied at an angle to the plane of the coupling housing up to 90 degrees
- Minimizes spillage and damage associated with pull-away incidents
- Coupling automatically senses excessive load, closes valves and disconnects. Release is executed when force causes bolts to break.
- High flow rate/low pressure drop
- FKM (FPM) seal standard, additional seal materials are available
- Optional non-closure design available; contact Dixon



Specification

- Working pressure: stainless steel **360 PSI** and aluminum **230 PSI** at ambient temperature **70°F (21°C)**

Female NPT and Female NPT



Size	DN Size	316 Stainless Steel Part #	Aluminum Part #
1"	25	SBC100SS	SBC100AL
2"	50	SBC200SS	SBC200AL
3"	80	SBC300SS	SBC300AL
4"	100	SBC400SS	SBC400AL
5"	125	SBC500SS	SBC500AL
6"	150	SBC600SS	SBC600AL

Male NPT and Male NPT



Size	DN Size	316 Stainless Steel Part #	Aluminum Part #
2"	50	SBC200SSMNPT	SBC200ALMNPT
3"	80	SBC300SSMNPT	SBC300ALMNPT
4"	100	SBC400SSMNPT	SBC400ALMNPT
5"	125	SBC500SSMNPT	SBC500ALMNPT
6"	150	SBC600SSMNPT	SBC600ALMNPT

150# Flange and 150# Flange



Size	DN Size	316 Stainless Steel Part #	Aluminum Part #
1"	25	SBC100SSFL	---
2"	50	SBC200SSFL	SBC200ALFL
3"	80	SBC300SSFL	SBC300ALFL
4"	100	SBC400SSFL	SBC400ALFL
5"	125	SBC500SSFL	SBC500ALFL
6"	150	SBC600SSFL	SBC600ALFL
8"	200	SBC800SSFL	---

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

TTMA Flanged Breakaway Coupling

Features

- Minimizes spillage and damage associated with drive-away and pull-away incidents
- Installs between an API coupler and loading arm
- Coupling automatically senses excessive load, closes the valves and disconnects. Release is executed when force causes the bolts to break
- High flow rate / low pressure drop
- FKM/FPM is standard seal



SBC400ALTMA



SBC400ALTTMASV

Specification

- **150 PSI** at ambient temperature **70°F (21°C)**

Size	Length	Aluminum Part #
4"	9.40"	SBC400ALTMA
	12.12"	SBC400ALTTMASV
	6.93"	SBC400ALTTMACP

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.