

Dixon® MannTek Safety Break-away 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 x 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 x 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 x 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.