



# 100 Series Inline Trailer Breakaway

## Applications

Inline breakaway designed for use with high flow CNG systems such as virtual pipeline transport trailers and bulk storage.



IB108 - Inline Trailer Breakaway

## Materials

| Description | Material             |
|-------------|----------------------|
| Body        | Aluminium            |
| Seats       | Delrin               |
| Internals   | 304 Stainless Steel  |
| O-rings     | Hydrogenated Nitrile |
| Caps        | 304 Stainless Steel  |
| Adaptors    | 304 Stainless Steel  |



TOOL-IB108/HC208

## Product Information

Largest CNG 1" inline breakaway on the market.

SAE Ports are standard.

All products are manufactured under ISO 9001 accredited standards.

Complies to PED 2014/68/EU.

Developed with consideration of ANSI/IAS NGV4.4-1999 but with a greater emphasis on use with CNG transport trailer applications. Improvements include an increased separation force to minimise the possibility of false separations in high-flow applications. The separation force is below the tensile load safety limits of CNG hose as specified in NGV 4.2.

Body tested to 100,000 pressure cycles.

Easily reconnected after a breakaway event.

Adaptor fittings are available to adapt to other standard threads and are supplied assembled with breakaway unit.

Servicing tool TOOL-IB108/HC208 is available for purchase from Oasis.

Replacement male end of breakaway available for purchase separately.

Please contact Oasis if intended for use in public vehicle refuelling stations.



# 100 Series Inline Trailer Breakaway

## Product Specification

| Part Code   | Weight lb (kg) | Service Pressure psi (bar) | Max Pressure * psi (bar) | Test Pressure ^ psi (bar) | Min Temp. °F (°C) | Max Temp. °F (°C) | Time Before Rekit ^^ | Breaks Before Rekit** | Cv   | Service kit |
|-------------|----------------|----------------------------|--------------------------|---------------------------|-------------------|-------------------|----------------------|-----------------------|------|-------------|
| IB108-ASDSU | 8.1 (3.7)      | 3600 (250)                 | 4500 (310)               | 5000 (345)                | -58 (-50)         | 150 (65)          | 3 Years              | 5                     | 14.7 | IB108-SKDSU |

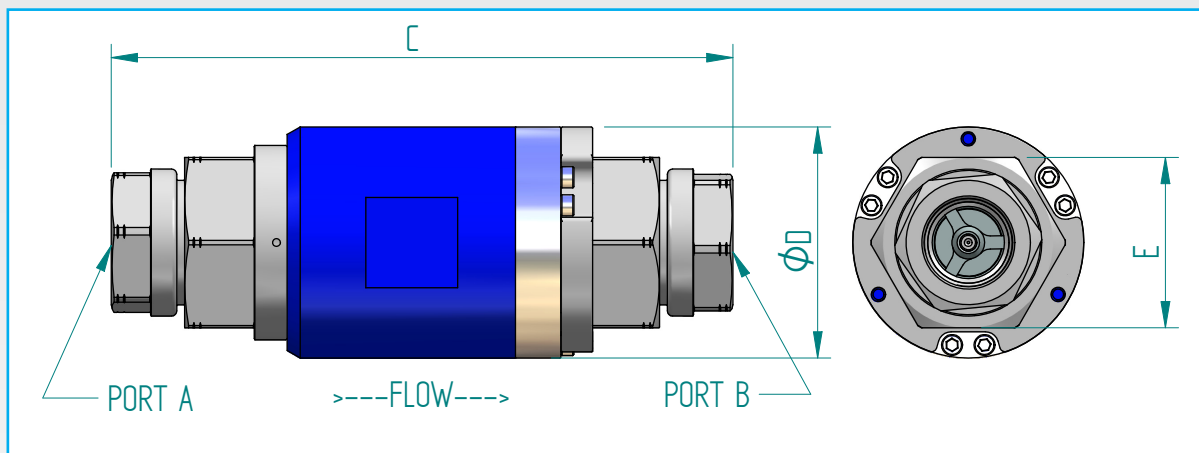
\* Maximum pressure at which the product can constantly operate at.

^ Maximum pressure that can be applied for testing without causing damage to the product.

^^ The stated rekit interval is intended as a guide only and may not be achievable in all situations. System conditions must be taken into account when determining the optimal service interval. Contact Oasis for further information.

\*\* Maximum recommended number of separations before replacing male end to ensure force does not start to diminish leading to false separations.

All parts should be checked after every separation for damage to ensure they are suitable for continued use. Refer to instruction manual for more detail.



## Dimensions: Imperial (Metric mm)

| Part Code      | PORT A          | PORT B          | C           | D          | E          | BREAKAWAY FORCE^     |
|----------------|-----------------|-----------------|-------------|------------|------------|----------------------|
| IB108-ASDSU    | 1 5/8 - 12 SAE* | 1 5/8 - 12 SAE* | 7" (180)**  | 3.46" (88) | 2.55" (65) | 650N < FORCE < 1200N |
| IB108-ASDSU-11 | 1 5/16 - 12 SAE | 1 5/16 - 12 SAE | 9.33" (237) | 3.46" (88) | 2.55" (65) | 650N < FORCE < 1200N |
| IB108-ASDSU-22 | 3/4" NPT        | 3/4" NPT        | 9.33" (237) | 3.46" (88) | 2.55" (65) | 650N < FORCE < 1200N |
| IB108-ASDSU-33 | 1" NPT          | 1" NPT          | 9.33" (237) | 3.46" (88) | 2.55" (65) | 650N < FORCE < 1200N |

\* Standard Breakaway port size (No adaptor)

\*\* Standard Breakaway length (No adaptor)

^ Force is dependant on pressure and temperature at time of separation.

Other adaptor thread sizes available on request

## Applications

Replacement IB108 male assembly.

## Product Information

Complete replacement male section of breakaway badly damaged to be re-used after repeated separations.

All products are manufactured under ISO 9001 accredited standards.

| Description | Material             |
|-------------|----------------------|
| Body        | 304 Stainless Steel  |
| O-ring      | Hydrogenated Nitrile |



Male end replacement - IB108-ASDSU-M