

## Diaphragm Brake Chambers

BS2..., BS3..., BS45..., BX3..., BZ35..

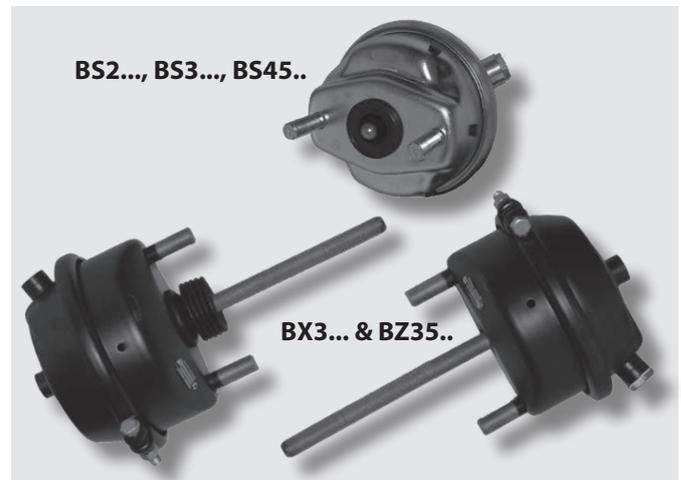
### Function

**Diaphragm Brake Chambers** are used to provide the input force to actuate the vehicle's foundation brake and provide the service brake force.

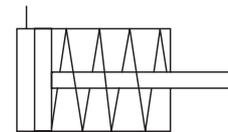
The input force for the service brake is achieved by air pressure acting on an internal synthetic rubber diaphragm which generates a force transmitted through a push plate and push rod.

Diaphragm Brake Chambers are available to suit all types of foundation brake:

- Diaphragm Brake Chambers of the BX3... and BZ3... series are designed for S-Cam drum brakes, which have been used traditionally on trucks and trailers.
- Diaphragm Brake Chambers new generation of the BS2..., BS3..., BS45.. series, OBC (Optimized Brake Chamber), are designed for disc brakes, which are generally standard fitment on modern trucks and trailers. OBC's are identified by the rolled joint between the two halves of the unit.



Standard Symbol as DIN ISO 1219



### Further Documentation

Further information can be found on documents:

|            |  |                      |
|------------|--|----------------------|
| PD-403-200 | Brake Chambers (S-cam), diaphragm      | Document No. Y011367 |
| PD-405-100 | Brake Chambers (Disc), diaphragm - OBC | Document No. Y103245 |

# Diaphragm Brake Chambers

**BS2..., BS3..., BS45.., BX3..., BZ35..**

## Revision Details

|          |               |   |
|----------|---------------|---|
| Rev. 002 | February 2024 | New Layout, Y011368 eliminated from documents |
| Rev. 001 | April 2019    | New Layout                                    |
|          |               |   |

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