

# ACTUATORS FOR TRAILER

AIR DISC BRAKE APPLICATIONS



**WABCO**

## A SINGLE SOURCE PARTNER...

### SERVICE BRAKE CHAMBERS

WABCO's brake chambers have demonstrated their reliability in millions of applications and are chosen by many major truck and trailer manufacturers.

They are available with a service pressure up to 13 bar, stroke length up to 75 mm and various options for connection ports. WABCO offers diverse brake chamber sizes between 12" and 30".

The WABCO portfolio also includes service brake chambers for wedge and cam applications.

With more than 500 variants, WABCO brake chambers provide a solution for almost every application.



## SIGNIFICANT COST SAVINGS

**HIGH QUALITY** actuators minimize risk of safety system failure - **COMPACT** design for

### DELIVERING VALUE

#### ENHANCED SAFETY

High force output enables short stopping distance

#### OUTSTANDING RELIABILITY

Reliable and consistent performance for more than two million brake actuations

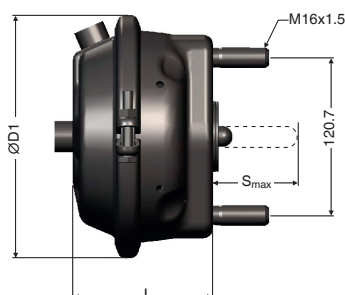
- Reduces service cost
- Minimizes downtime

#### MODULAR DESIGN

Design concept allows creation of customer tailored products with:

- Very short time to market
- Minimum release effort

### BRAKE CHAMBER DISC VARIANTS



| Type* | Stroke<br>S <sub>max</sub> (mm) | Length<br>L (mm) | Diameter<br>D1 (mm) | WABCO Part<br>Number |
|-------|---------------------------------|------------------|---------------------|----------------------|
| 16"   | 57                              | 106              | 146                 | 423 104 710 0        |
| 20"   | 62                              | 102              | 153                 | 423 505 000 0        |
| 24"   | 65                              | 107              | 163                 | 423 506 050 0        |

\*sizes from 12" to 30" available with different dimensions. For more information, please contact your WABCO sales representative

## DOUBLE DIAPHRAGM SPRING BRAKES

WABCO's double diaphragm spring brakes are the perfect solution for demanding trailer applications.

They feature a space saving Internal Breathing Valve (IBV) as standard, a coil clash-free barrel power spring and a reliable brake interface.

Double diaphragm spring brakes extend the successful WABCO actuator range and are also available as cam variants.



## INGS FOR YOUR BUSINESS

or easy installation - **LOWER SERVICE COST** over vehicle life due to superb reliability

## DELIVERING VALUE

### HIGHLY RELIABLE

park brake module and road proven disc interface significantly extend the life of the double diaphragm spring brakes and air disc brakes.

### COMPACT DESIGN

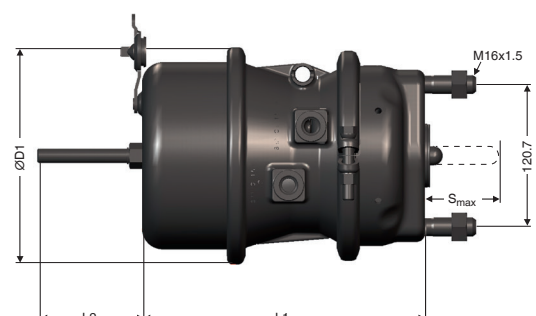
WABCO's double diaphragm spring brakes are one of the most compact versions available on the market due to the Internal Breathing Valve (IBV) combined with the barrel-shaped power spring.

### HIGH QUALITY

and cost-effective technology thanks to shared component architecture with robust and reliable WABCO TRISTOP™ actuators.

## SPRING BRAKE DISC VARIANTS

| Type    | Stroke<br>$S_{max}$ (mm) | Length<br>L1 (mm) | Length<br>L2 (mm) | Diameter<br>D1 (mm) | WABCO Part<br>Number                        |
|---------|--------------------------|-------------------|-------------------|---------------------|---|
| 16"/24" | 57/57                    | 229               | 89                | 184                 | 925 384 010 0<br>/ 011 0 / 012 0 /<br>013 0 |
| 20"/24" | 64/64                    | 240,5             | 89                | 184                 | 925 380 101 0                               |





## SPECIAL SOLUTION FOR CONSTRAINED SPACES

WABCO offers an innovative solution for vehicle applications with restricted installation space: WABCO Pipe Extensions allow a simplified installation of double diaphragm spring brakes for air disc brakes by moving the initial air connection ports to a more accessible area on the vehicle.



## DELIVERING VALUE

### EASY HANDLING

The difference in the pipe length simplifies the identification of service and parking brake connection.

### INCREASED RELIABILITY

Additional groove avoids slipping of sealing during installation and it ensures a steady position during operation.

### COST SAVINGS

Shortened installation time results in reduced service costs.



## ABOUT WABCO

**WABCO** (NYSE: WBC) is a leading global supplier of technologies and control systems for the safety and efficiency of commercial vehicles. Founded nearly 150 years ago, WABCO continues to pioneer breakthrough electronic, mechanical and mechatronic technologies for braking, stability and transmission automation systems supplied to the world's leading commercial truck, bus and trailer manufacturers. With sales of \$2.5 billion in 2012, WABCO is headquartered in Brussels, Belgium. For more information, visit:

[www.wabco-auto.com](http://www.wabco-auto.com)

| Type    | WABCO Actuator Part Number                                       | Pipe Extension Part Number |
|---------|--|----------------------------|
| 16"/24" | 925 384 010 0<br>925 384 011 0<br>925 384 012 0<br>925 384 013 0 | 925 384 050 2              |
| 20"/24" | 925 380 101 0  | 925 380 050 2              |



## ORIGINAL PARTS

Every WABCO part is made of high-grade materials and is rigorously tested by WABCO before leaving our hands. Each is a product of WABCO's 150 year history of innovation and design excellence. There is also an added assurance that the quality of every WABCO part is reinforced by a powerful global customer service network.

**WABCO**