



EXCELLENCE
IN MOTION

AIR BRAKE KITS FOR TRAILERS



Wide range of quality products
from top brands available as
individual components
or pre-assembled as
a full kit to suit every
customer specific
requirements

**MADE TO
ORDER KITS**

**OFF-THE-SHELF
CONVERSION
KITS**

PRODUCT RANGE



**RELAY/LOAD SENSING
VALVES**



BRAKE ACTUATORS



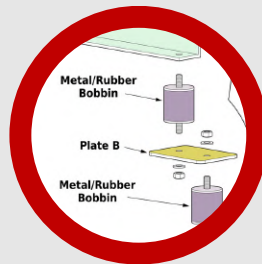
FITTINGS



AIR TANKS

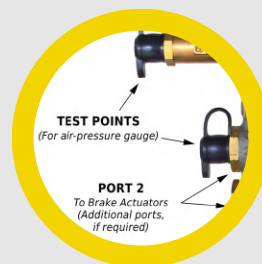


COUPLINGS



BESPOKE SOLUTIONS

Pre-set load sensing valves,
additional test points on LSV's,
bespoke bracketry and fittings



DETAILED MANUALS

Clearly explained installation
process with drawings, images
and detailed written instructions

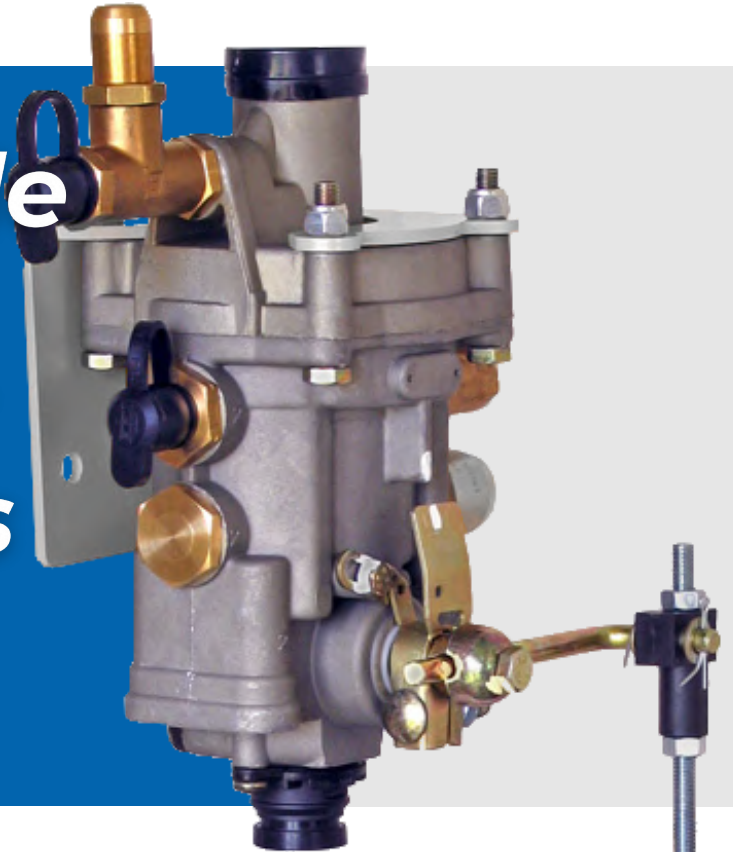
info@tyremartagri.co.uk



EXCELLENCE
IN MOTION

Tailored made solutions to address your requirements

One stop shop for running gear and all your braking system requirements...



Why switch to us...

ADR UK is a comprehensive supplier of not only your running gear but also accessories and braking systems for different agri applications.

We can help you choose optimal solution based on our vast market knowledge and understanding of your trailer axles and suspension needs.



FOLLOW LEGISLATION

Ensure your trailer is safe and complies with current legislation. We can advise the correct braking set up for your towed machinery.



UPGRADE YOUR SAFETY

Retrofit solutions for high speed S cams enabling replacement of hydraulic brake rams with air brakes.



AFTERMARKET SALES

Wide range of spare parts readily available to reduce your stock keeping costs and reduce machine downtime.



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ABKIT1

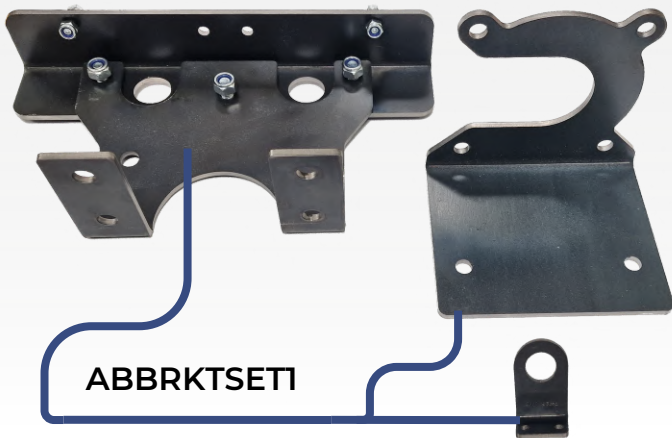


Two-line braking system for tandem axle drawbar trailer with shunt valve, combined load-sensing relay-emergency valve and optional air/hydraulic brake chambers, and bracketry



ABTYPE1625
ABTYPE2025
ABTYPE2425

Wide range of air/hydraulic and air only actuator kits in various specifications, sold as kit or individual items



ABBRKTSET1



ABBOB1



ABEBRK20-25

Optional bracketry for shunt valves, air coil sets, LSV's and actuators



ABL5V1
Relay/Load sensing valve



ABEAC001
Air coil set



AB10MMREDN	10mm nylon red
AB10MMYELLOWN	10mm nylon yellow
AB16MMBLACKN	16mm nylon black
ABERBHA52	Brake hose 52"



ABSHUNT1
Shunt valve kit



ABRES1
50 litre tank kit

Other tank sizes available:
20l, 25l, 40l, 60l

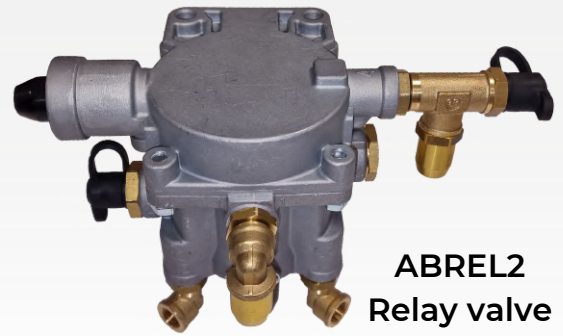
Replacement parts available in the kit format or single unit



ABMLS1
Manual load sensing valve



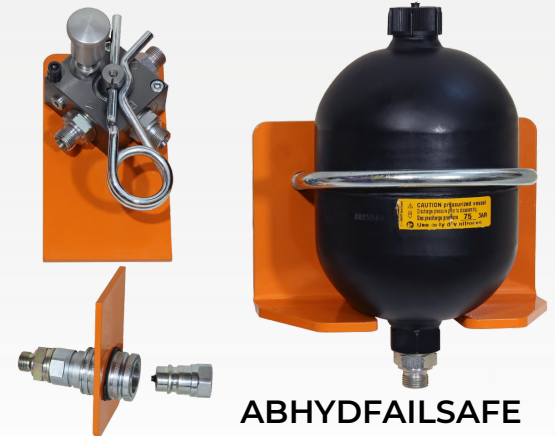
ABETK007
Hydraulic load sensing valve



ABREL2
Relay valve kit



ABABSMODKIT1
Wabco ABS kit



ABHYDFAILSAFE
Hydraulic brake failsafe



Self-Sealing Valve, Short



Female "C" Coupling



Self-Sealing Valve, Long

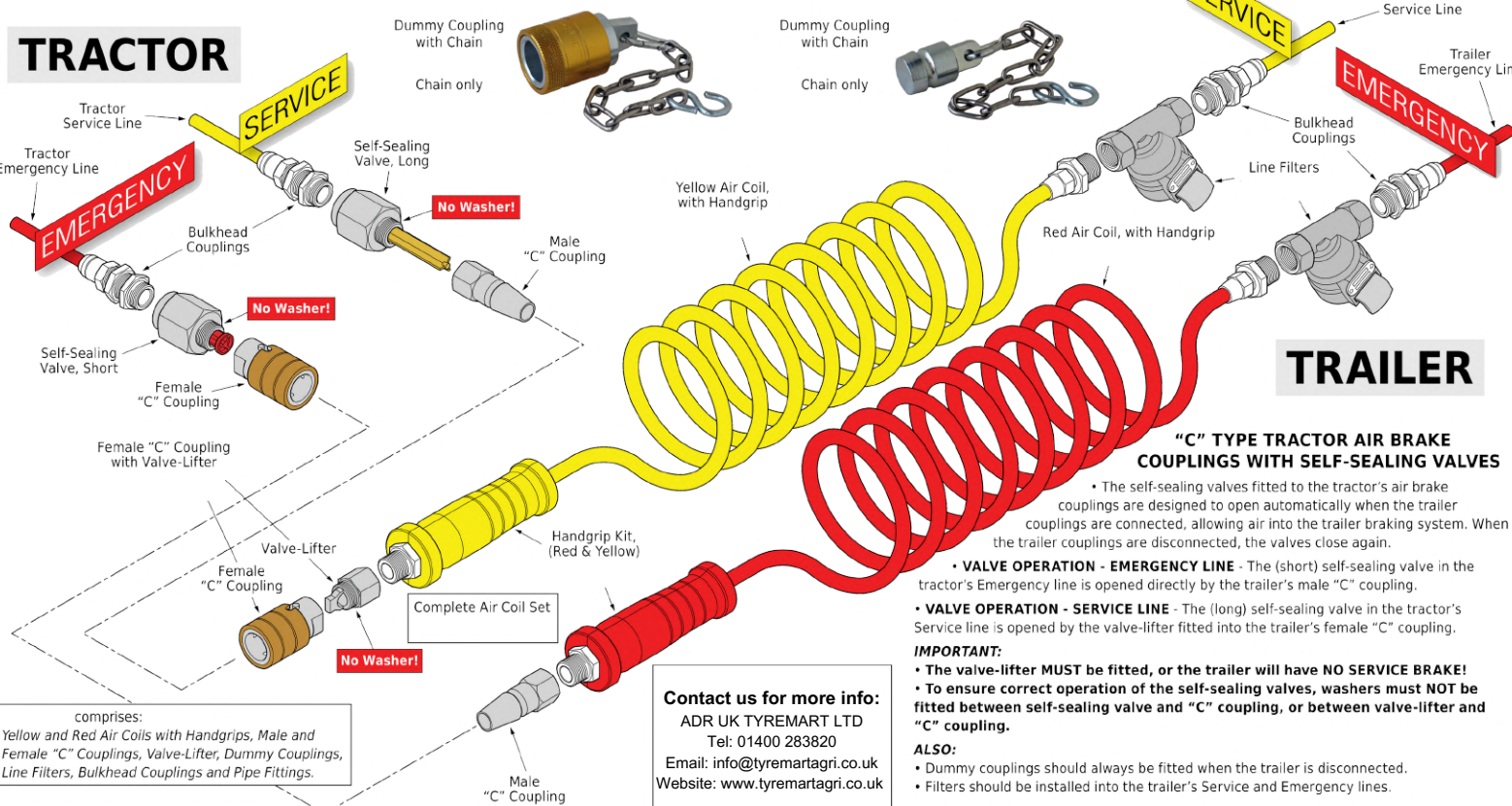


Male "C" Coupling



Male "C" Coupling with Self-Sealing Valve, Long

TRACTOR



"C" TYPE TRACTOR AIR BRAKE COUPLINGS WITH SELF-SEALING VALVES

- The self-sealing valves fitted to the tractor's air brake couplings are designed to open automatically when the trailer couplings are connected, allowing air into the trailer braking system. When the trailer couplings are disconnected, the valves close again.
- **VALVE OPERATION - EMERGENCY LINE** - The (short) self-sealing valve in the tractor's Emergency line is opened directly by the trailer's male "C" coupling.
- **VALVE OPERATION - SERVICE LINE** - The (long) self-sealing valve in the tractor's Service line is opened by the valve-lifter fitted into the trailer's female "C" coupling.
- IMPORTANT:**
- The valve-lifter **MUST** be fitted, or the trailer will have **NO SERVICE BRAKE!**
- To ensure correct operation of the self-sealing valves, washers **MUST NOT** be fitted between self-sealing valve and "C" coupling, or between valve-lifter and "C" coupling.
- ALSO:**
- Dummy couplings should always be fitted when the trailer is disconnected.
- Filters should be installed into the trailer's Service and Emergency lines.
- We can supply all the fittings shown, including the air coils with colour-coded handgrips.

Contact us for more info:
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Email: info@tyremartagri.co.uk
Website: www.tyremartagri.co.uk



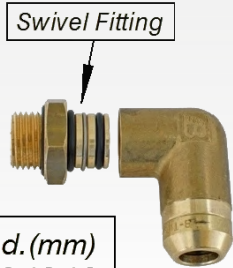
1. STUD COUPLINGS

Thread Size	Pipe o.d. (mm)				
	6	8	10	12	16
1/8"	•	•			
1/4"	•	•	•	•	
M12	•	•	•	•	
M14	•	•	•	•	
M16	•	•	•	•	•
M22	•	•	•	•	•



2. SWIVEL ELBOWS

Use with swivel fitting (item 3 or 9C)
Can be re-aligned after installation



Pipe o.d. (mm)
6
8
10
12
16

3. SWIVEL FITTINGS

Fits items 2, 4, and 5.
Allows re-alignment of fitting after installation.

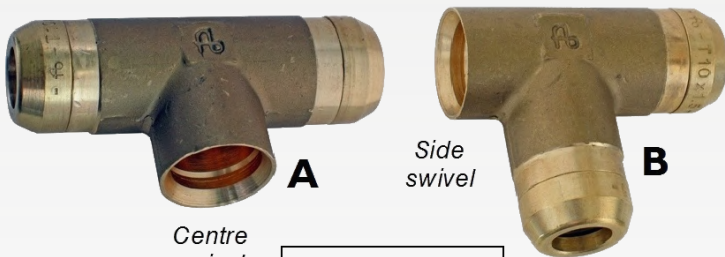


Thread Sizes
1/4 in
M12 x 1.5
M14 x 1.5
M16 x 1.5
M22 x 1.5

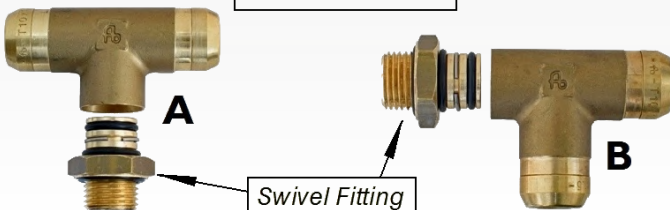
Swivel Sizes
11.5 mm dia., 15 mm dia., 22.5 mm dia

4. SWIVEL TEE CONNECTORS

Use with swivel fitting (item 3 or 9C)
Can be re-aligned after installation



Pipe o.d. (mm)
6
8
10
12
16



5. SWIVEL TEES (THREADED)

Use with swivel fitting (item 3 or 9C)
Can be re-aligned after installation



Centre swivel

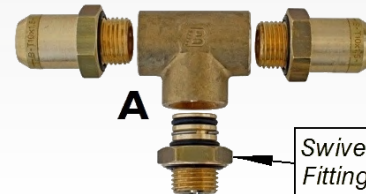
A



B

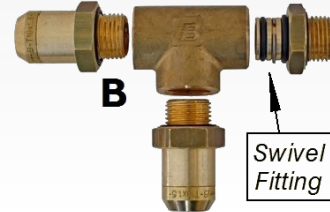
Side swivel

Thread Sizes
M12 x 1.5
M16 x 1.5
M22 x 1.5



A

Swivel Fitting

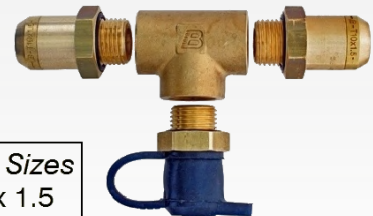


B

Swivel Fitting

6. THREADED TEES

With three equal female threads



Thread Sizes
M12 x 1.5
M16 x 1.5
M22 x 1.5

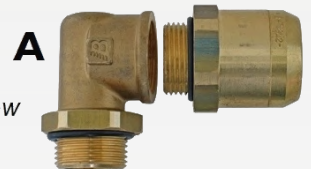
7. FIXED ELBOWS AND TEES

Supplied with locknut and "O" ring seal.
Can be aligned before tightening.



A

Elbow



A



B

Tee (centre-feed)

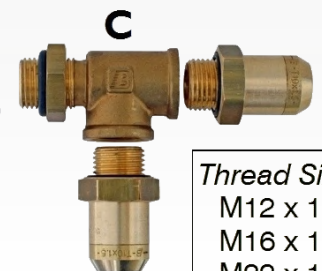


B



C

Tee (side-feed)



C

Thread Sizes
M12 x 1.5
M16 x 1.5
M22 x 1.5

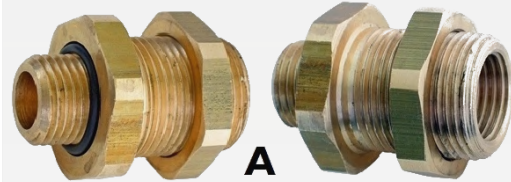
8. EQUAL TEE AND STRAIGHT CONNECTORS



Pipe o.d. (mm)
6 8 10 12 16

9. BULKHEAD FITTINGS

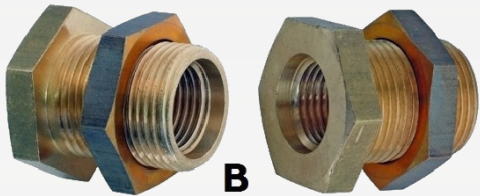
Complete with locknut



A

With one male thread and one female thread

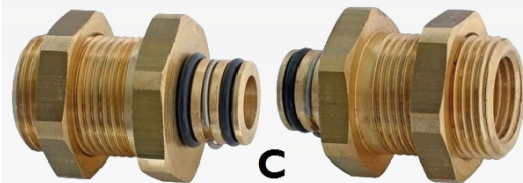
Thread Sizes
M16 x 1.5 Male
M16 x 1.5 Fem
M22 x 1.5 Male
M22 x 1.5 Fem



B

With two female threads

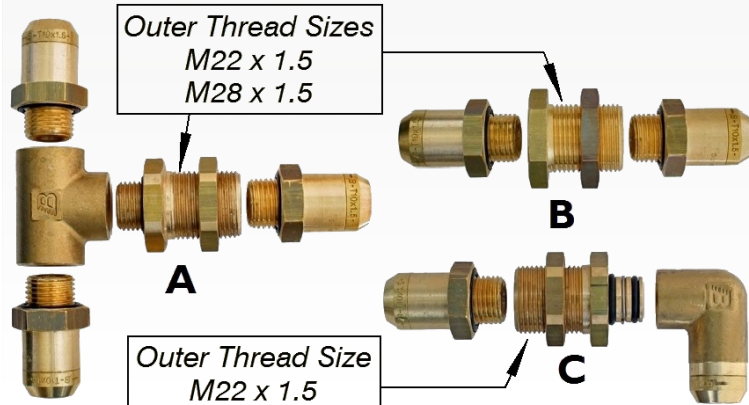
Thread Sizes
M16 x 1.5 Fem
M22 x 1.5 Fem



C

With one swivel fitting and one female thread

Thread Sizes
M16 x 1.5 Fem with 15 mm dia swivel fitting



Outer Thread Sizes
M22 x 1.5
M28 x 1.5

A

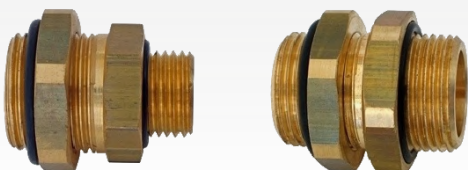
Outer Thread Size
M22 x 1.5

B

C

10. VALVE CONNECTORS

Two Male Threads. With locknut and "O" ring seals. Valves can be aligned before tightening



Thread Sizes
M12 x 1.5
M16 x 1.5
M22 x 1.5

11. BLANKING PLUGS

Various types available



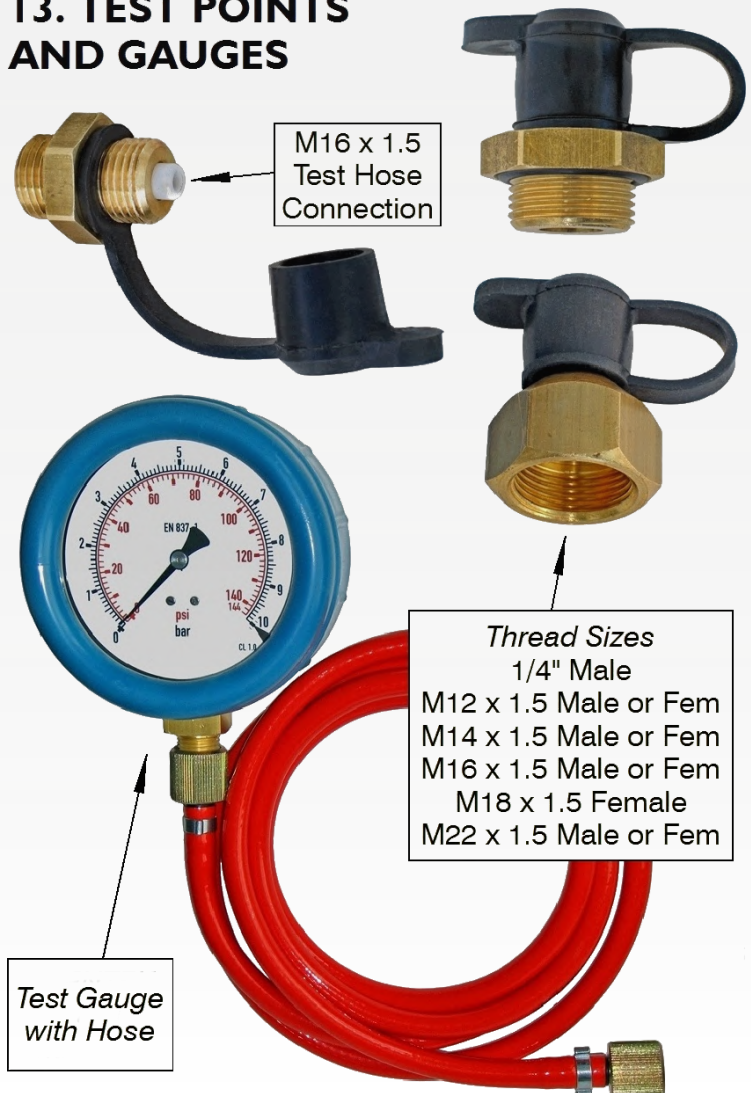
Thread Sizes
1/8"
1/4"
3/8"
1/2"
M12 x 1.5
M14 x 1.5
M16 x 1.5
M22 x 1.5

12. REDUCER BUSHES

Various sizes available



13. TEST POINTS AND GAUGES



M16 x 1.5 Test Hose Connection

Thread Sizes
1/4" Male
M12 x 1.5 Male or Fem
M14 x 1.5 Male or Fem
M16 x 1.5 Male or Fem
M18 x 1.5 Female
M22 x 1.5 Male or Fem

Test Gauge with Hose

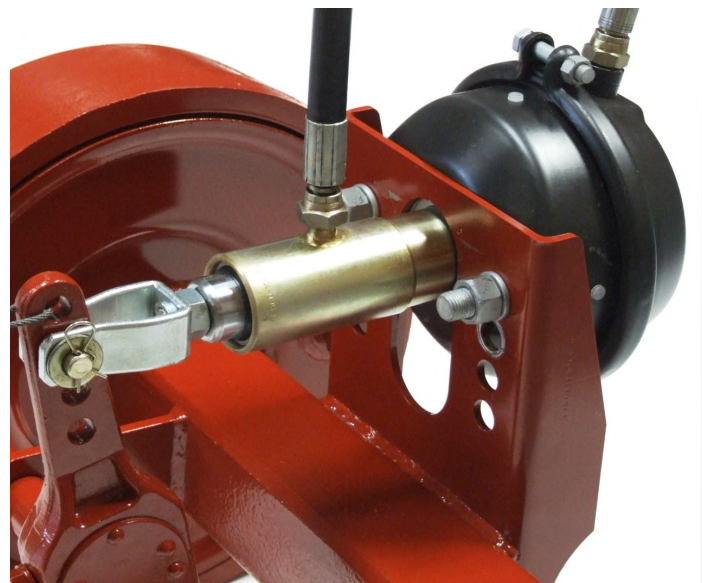
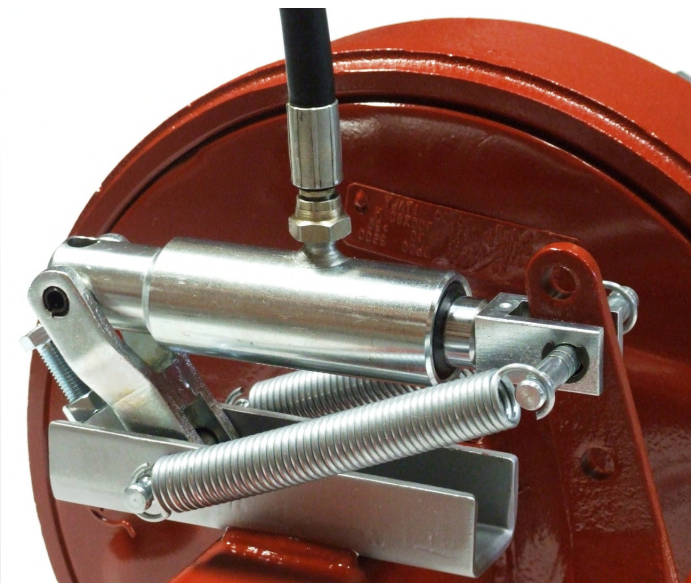


**EXCELLENCE
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BRAKE ACTUATORS

HYDRAULIC BRAKE RAMS



PNEUMATIC AND HYDRAULIC ACTUATORS



Standard brake cylinders

Part number	Rod dia
AHBR20	20mm
AHBR25	25mm
AHBR30	30mm
AHBR35	35mm



Standard spring return brake cylinders

Part number	Rod dia
AHBRSR20	20mm
AHBRSR25	25mm
AHBRSR30	30mm
AHBRSR35	35mm



Slotted clevis brake cylinders

Part number	Rod dia
AHBRSC20	20mm
AHBRSC25	25mm
AHBRSC30	30mm
AHBRSC35	35mm



Slotted spring return brake cylinders

Part number	Rod dia
AHBRSRSC20	20mm
AHBRSRSC25	25mm
AHBRSRSC30	30mm
AHBRSRSC35	35mm



Standard square actuators assemblies

Part number	Rod dia
AHBRSQ20	20mm
AHBRSQ25	25mm
AHBRSQ30	30mm
AHBRSQ35	35mm



Standard round actuator assemblies

Part number	Rod dia
AHBRROUND20	20mm
AHBRROUND25	25mm
AHBRROUND30	30mm
AHBRROUND35	35mm



Air to hydraulic conversion kit

Part number	Rod dia
AHCONVA/H20	20mm
AHCONVA/H25	25mm
AHCONVA/H30	30mm
AHCONVA/H35	35mm



Pneumatic brake chambers

Part number	Rod dia
ABEBC9	TYPE 9
ABEBC12	TYPE 12
ABEBC16	TYPE 16
ABEBC20	TYPE 20
ABEBC24	TYPE 24
ABEBC30	TYPE 30
ABEBC36	TYPE 36



Dual supply pneumatic/hydraulic brake chambers

Part number	Size air/hydraulic chambers
ABEBC9-20	TYPE 9 AIR/20MM HYD ACTUATOR
ABEBC12-20	TYPE 12 AIR/20MM HYD ACTUATOR
ABEBC16-20	TYPE 16 AIR/20MM HYD ACTUATOR
ABEBC12-25	TYPE 12 AIR/25MM HYD ACTUATOR
ABEBC16-25	TYPE 16 AIR/25MM HYD ACTUATOR
ABEBC20-25	TYPE 20 AIR/25MM HYD ACTUATOR
ABEBC24-25	TYPE 24 AIR/25MM HYD ACTUATOR
ABEBC20/30	TYPE 20 AIR/30MM HYD ACTUATOR
ABEBC24/30	TYPE 24 AIR/30MM HYD ACTUATOR
ABEBC30/30	TYPE 30 AIR/30MM HYD ACTUATOR
ABEBC24/35	TYPE 24 AIR/35MM HYD ACTUATOR
ABEBC30/35	TYPE 30 AIR/35MM HYD ACTUATOR

