

Universal Tristop® Cylinder, even more efficient with IBV

Whilst a major factor in vehicle production is the shortest assembly time, the most important aspect with regard to unforeseen repairs is to obtain a suitable replacement as soon as possible. The faulty vehicle must be ready for use again quickly.

However, simply due to the number of modifications possible, no company can afford to keep all the possible replacement part numbers in stock – there are over a thousand variants for cam brakes alone. For this reason, we have been offering universal types successfully for a number of years. Experienced workshops can convert these to the required replacement part in a short time, thus preventing vehicles being out of service for longer periods.

In addition to modification of the piston rods and machining tightening straps or spring-type actuators, the exterior respiratory pipe had to be taken into account until now.

Now available with IBV

An integrated breather valve in the cylinder means that the small external connection pipe between the spring-type actuator and diaphragm cylinder is unnecessary. The Universal Tristop® cylinder profits doubly from this:

- **Less adaptation work** – the position of the respiratory pipe need no longer be taken into account.
- **More diversity** – as a result of the larger adjustment range, more variants can be replaced.



Thanks to IBV, the use of universal types has become both easier and even more successful. We have also included more sizes in our product range; practically all of them are available implementing IBV technology.

The table enclosed contains an overview of order numbers and characteristic values.

The “Universal Tristop® Cylinder for Cam Brakes” brochure is currently being revised and will be available in the near future. It will contain information on adapting the replacement part number and a table with specifications on the universal types applicable to the original units.

Contact your WABCO Distributor in connection with this.

Type	IBV	Universal Tristop® Cylinder	Port thread	Thread push rod	Release pressure (bar)	Stroke service brake	Stroke park brake	Length push rod	Remark
12/12		925 455 001 0	M 16x1.5	M 14x1.5	4,8	45	45	214	fixation screw M 12x1.5
12/16		925 455 200 0	M 16x1.5	M 14x1.5	4,6	57	57	203	
14/24	x	925 498 105 0	M 16x1.5) ¹	M 16x1.5	4,9	57	57	253	
16/16	x	925 494 107 0	M 16x1.5	M 14x1.5	4,9	57	57	203	
16/24	x	925 494 041 0	M 16x1.5) ¹	M 16x1.5	5,1	57	57	250	
16/24	x	925 494 108 0	M 16x1.5) ¹	M 16x1.5	5,1	57	57	250	sealing washer
16/24	x	925 494 755 0	M 16x1.5) ¹	M 16x1.5	5,5	57	57	250	sealing washer
20/20		925 450 040 0	M 16x1.5	M 16x1.5	5,1	57	57	250	
20/24	x	925 490 100 0	M 16x1.5) ¹	M 16x1.5	5,1	57	57	250	sealing washer
20/24	x	925 490 102 0	M 16x1.5) ¹	M 16x1.5	4,9	65	65	250	sealing washer
20/24	x	925 490 755 0	M 16x1.5) ¹	M 16x1.5	5,5	57	57	250	sealing washer
20/24	x	925 490 925 0	M 16x1.5) ¹	M 16x1.5	5,1	57	57	250	
20/30	x	925 490 101 0	M 16x1.5) ¹	M 16x1.5	5,1	57	57	245	
20/30	x	925 490 121 0	M 16x1.5) ¹	M 16x1.5	5,1	57	57	245	sealing washer
24/16		925 451 800 0	M 16x1.5	M 16x1.5	4,6	57	57	245	
24/16	x	925 491 100 0	M 16x1.5	M 16x1.5	5,1	65	65	245	
24/24	x	925 491 141 0	M 16x1.5) ¹	M 16x1.5	5,1	57	57	250	
24/24	x	925 491 142 0	M 16x1.5) ¹	M 16x1.5	5,1	57	57	250	sealing washer
24/24	x	925 491 110 0	M 16x1.5) ¹	M 16x1.5	4,9	65	65	250	sealing washer
24/24	x	925 491 112 0	3/8" NPTF	5/8"-18UNF-2A	4,9	65	65	250	sealing washer
24/24	x	925 491 755 0	M 16x1.5) ¹	M 16x1.5	5,5	57	57	250	sealing washer
24/30	x	925 491 143 0	M 16x1.5) ¹	M 16x1.5	5,1	65	65	250	
24/30	x	925 491 111 0	M 16x1.5) ¹	M 16x1.5	4,9	65	65	250	sealing washer
27/16		925 459 200 0	M 16x1.5	M 16x1.5	4,6	57	57	250	
27/24	x	925 499 000 0	M 16x1.5	M 16x1.5	5,1	65	65	250	
27/30	x	925 499 001 0	M 16x1.5) ¹	M 16x1.5	5,1	65	65	250	
27/30	x	925 499 002 0	M 16x1.5) ¹	M 16x1.5	5,1	65	65	250	sealing washer
30/24	x	925 492 207 0	M 16x1.5) ¹	M 16x1.5	4,9	65	65	250	sealing washer
30/24	x	925 492 100 0	M 16x1.5	M 16x1.5	5,5	65	65	250	sealing washer
30/24	x	925 492 101 0	M 16x1.5	M 16x1.5	5,1	65	65	250	sealing washer
30/30	x	925 492 205 0	3/8" NPTF	5/8"-18UNF-2A	5,1	65	65	250	sealing washer
30/30	x	925 492 206 0	1/4" NPTF	5/8"-18UNF-2A	5,1	65	65	250	sealing washer
30/30	x	925 492 102 0	M 16x1.5) ¹	M 16x1.5	5,1	65	65	250	
30/30	x	925 492 103 0	M 16x1.5) ¹	M 16x1.5	5,1	65	65	250	sealing washer
36/30		925 323 130 0	M 16x1.5	M 16x1.5	5,1	76	76	217	
36/36		925 453 200 0	M 16x1.5	M 16x1.5	5,7	76	67	184	
30/30	x	925 492 103 0	M 16x1.5) ¹	M 16x1.5	5,1	65	65	250	sealing washer
36/30		925 323 130 0	M 16x1.5	M 16x1.5	5,1	76	76	217	
36/36		925 453 200 0	M 16x1.5	M 16x1.5	5,7	76	67	184	

)¹ VOSS stepped hole M 22x1.5 reduced to M 16x1.5

Exchange all types axlewise!