

## Rotary slide valve 463 032



### Application

Air-suspension vehicles with conventional control. With air-suspension with spring-distances of > 300 mm, a version of deadman switch is required (variants 463 032 1.. 0).

### Purpose

Control of raising and lowering air-suspension vehicles with a hand lever.

On variants with deadman switch, the hand lever is automatically moved back into idle position when it is released to prevent accidents.

### Maintenance

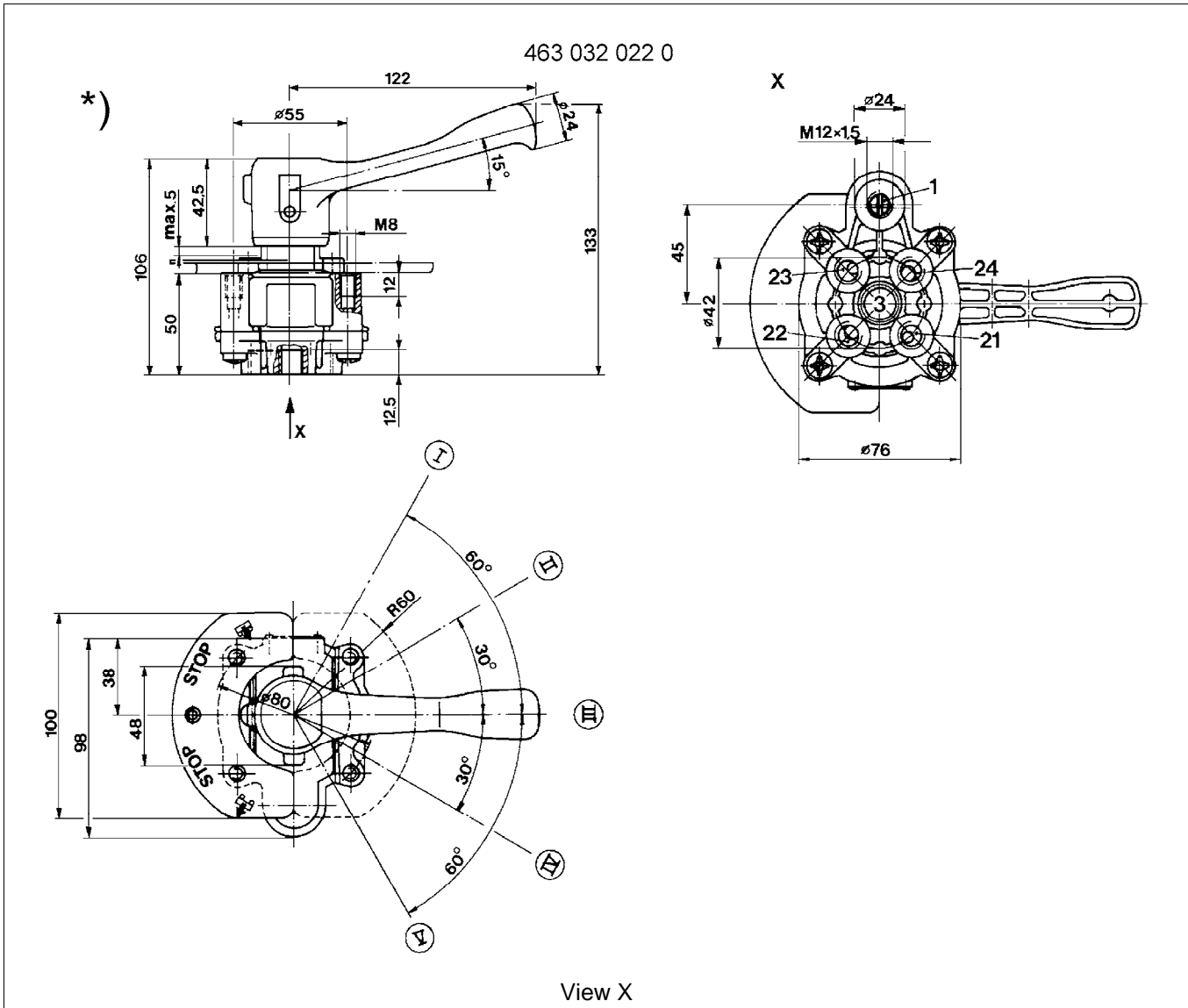
Special maintenance that extends beyond the legally specified inspections is not required.

### Installation recommendation

- Install the rotary slide valve vertically so that the vent 3 points downward.
- Fasten the rotary slide valve with two M8 bolts.
- Attach the provided sign displaying the lever settings under the lever (see following installation dimensions as well).

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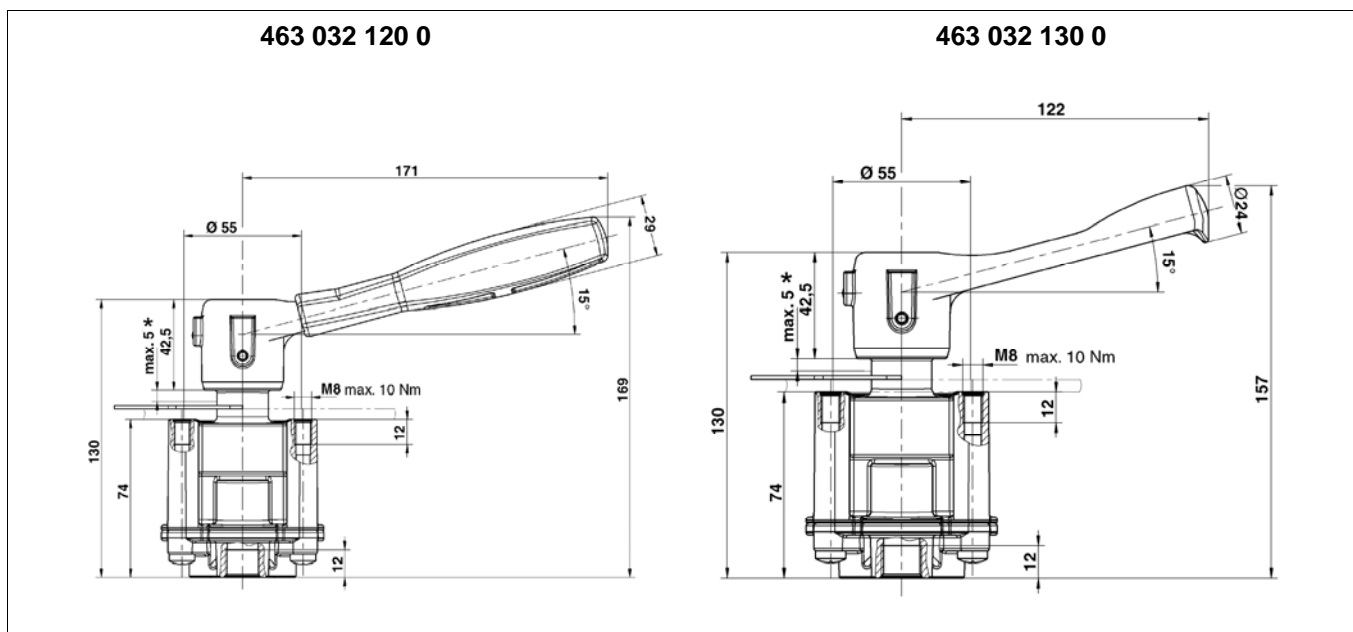
## Installation dimensions



Connections			Legend	
1	Exhaust	3	Reservoir	*) Valve marked as closed: By pressing the button down, the blockage is released.
21	Levelling valve	21	Levelling valve	
22	Air suspension bellows	23	Levelling valve	
		24	Air suspension bellows	

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## Installation dimensions



### Legend

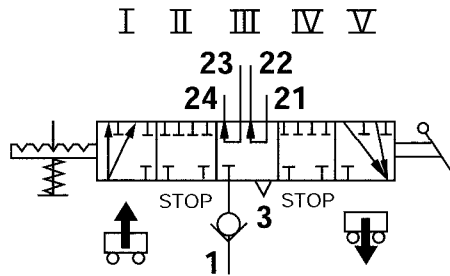
\* Stroke for park position

### Technical data

Order number	463 032 020 0	463 032 120 0	463 032 130 0	463 032 220 0	463 032 023 0
Max. operating pressure	10 bar	8,5 bar		10 bar	
Nominal diameter	21, 23 = 12.6 mm <sup>2</sup> (Ø 4 mm) 22, 24 = 28.3 mm <sup>2</sup> (Ø 6 mm) 1, 3 = 63.6 mm <sup>2</sup> (Ø 9 mm)				Type single circuit 21 = 12.6 mm <sup>2</sup> 22 = 28.3 mm <sup>2</sup> 1, 3 = 63.6 mm <sup>2</sup>
Port threads	M 12x1.5 -12 deep 1 = M 16x1.5 -12 deep			M 12x1.5 -12 deep 1 = M 16x1.5 -12 deep	M 12x1.5 - 12 deep
Integrated check valve (port 1)	Yes	No		Yes	
Permissible medium	Air				
Operating temperature range	-40 °C to +80 °C				
Max. actuation torque	7 Nm	9 Nm		7 Nm	7 Nm
Weight	1,4 kg	1,5 kg		1,4 kg	1,4 kg
Quickfit connections	–	–	–	5x Ø8x1	–

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## Operation



Position	I Raise	II Stop	III Drive	IV Stop	V Lower
Port 21	Closed	Closed	Connected	Closed	Closed
Port 22	Pressurized	Closed		Closed	Vented
Port 23	Closed	Closed	Connected	Closed	Closed
Port 24	Pressurized	Closed		Closed	Vented

When the lever is in the driving position, the lifting device is switched off. The rotary slide valve has an open passage between the levelling valves (port 21 to 23) and the bellows (ports 22 and 24)

Upon that, this device enables 4 further lever park positions allowing pressurizing/venting of the bellows for raise/ lower function.

To raise the chassis, the lever is unlatched by pressing it down axially and then turned across the stop position to position "raise". This will close ports (21 and 23) and connect the bellows (22 and 24) with reservoir at port 1.

After reaching the desired height, the hand lever is to be turned to the stop position. In this position, all ports to the levelling valve (21 and 23) as well as those to the bellows (22 and 24) are closed. Support arms can now be turned out.

The afterwards required lowering of the chassis under normal level and place down a container or the loading platform and to drive out is done with the hand lever position "lower". Like in the position "raise", the ports (21 and 23) are now closed. However, the bellows (22 and 24) are vented over exhaust 3.

This procedure is also stopped via turning back to the stop position. The ports 21, 23, 22 and 24 are closed. After moving out of the chassis the hand lever is switched to driving position to switch back to level control with levelling valves.