

# HYDRAULIC BRAKE WITH M35x1.5 EXTERNAL THREAD SERIES 51



This brake consists of a cylinder with an external threaded body, which encloses a hydraulic circuit. When the hydraulic brake rod is struck by a moving mass, it closes a one-way valve, forcing the oil to pass through a pin with an adjustable choke and into a chamber with a compensation tank. When it retracts, the spring-loaded piston rod opens a valve, allowing the oil to flow freely and quickly to the initial position. It comes in 3 models.



## APPLICATIONS

In the construction of fixtures, under certain circumstances the great advantage of a pneumatic system is offset by the inability to precisely regulate the end-of-stroke speed. With hydraulic cartridge brakes, the speed of the last 25, 45 and 70 mm of the stroke of manual or pneumatic moving units or parts can be regulated hydraulically. They are used for controlling the final speed of feed units, drilling machines, pneumatic cylinders and pneumatic or hand-operated moving masses.

## TECHNICAL DATA

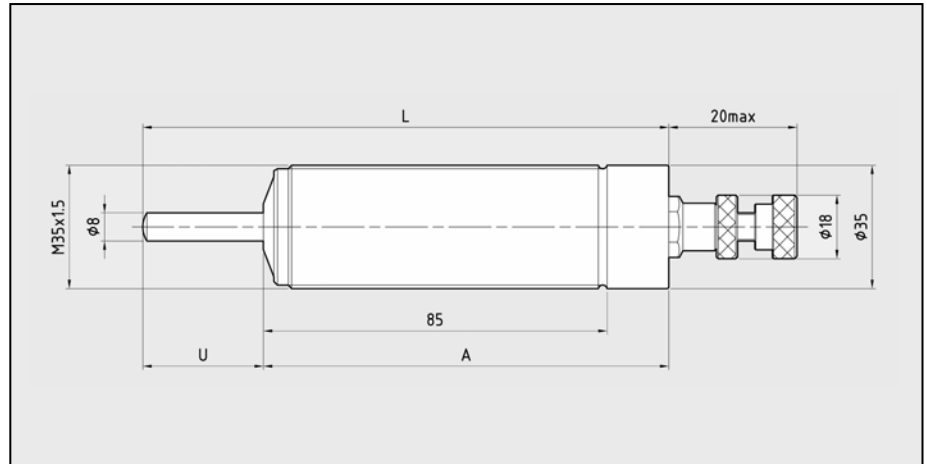
Seals		NBR
Standard strokes		25, 45, 70
Speed	mm/min.	10-3000
Maximum force	kg	250
Working distance to the fixture		Supporting range
Working temperature range	°C	-10° to +70
Recommended oil		DEXRON ATF
Fluid		Filtered lubricated or unlubricated air. If lubricated air is used, lubrication must be continuous

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## CHARACTERISTICS AND DIMENSIONS

CODE	STROKE (mm)	DIMENSIONS (mm)		
		A	L	U
Z5251LR025N	25	115	164	35
Z5251LR045N	45	145	219	60
Z5251LR070N	70	185	265	85



## FILLING INSTRUCTIONS

- 1. Turn the pin (1) fully anticlockwise.
- 2. Turn the plug (2) anticlockwise and remove it using the spanner provided.
- 3. Fill the chamber (3) with the recommended oil (see DATA SHEET table) until it reaches the level mark (L), up to the thread limit.
- 4. Tighten the filling plug (2) turning clockwise. Excess oil will come out as you do so. Reposition the pin (1) that determines the speed. Now the brake is loaded.

