

SERIES 51 HYDRAULIC BRAKE WITH M35x1.5 EXTERNAL THREAD

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.



TECHNICAL DATA

Gasket		NBR
Standard strokes		25, 45, 70
Speed	mm/min.	10÷3000
Maximum force	kg	250
Fixing to the fixture		Supporting range
Working temperature range	°C	-10°÷+70
Recommended oil		TORQUE o MATIC DATF

APPLICATIONS

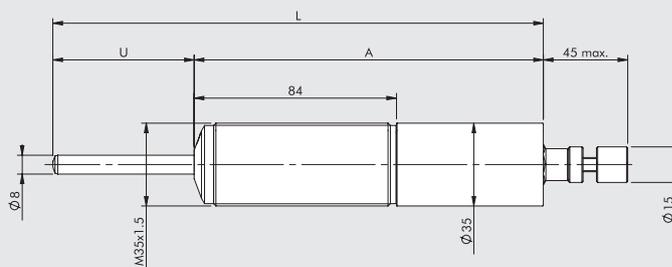
In the construction of fixtures, under certain circumstances the great advantage of a pneumatic system is offset by the inability to precisely regulate the end-of-stroke speed.

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.

DIMENSIONS

Code	Stroke [mm]	A	L	U
Z5251LR025N	25	115	149	34
Z5251LR045N	45	145	204	59
Z5251LR070N	70	185	268	85



FILLING INSTRUCTIONS

1° OP.: Turn the pin (1) fully anticlockwise;

2° OP.: Turn the plug (2) anticlockwise and remove it using the spanner provided;

3° OP.: 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° OP.: 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.

