

HYDRAULIC PROPORTIONAL CYLINDER

Hydraulic pressure to displacement converter



TOWED VEHICLES |



This cylinder **converts a pressure value into a linear movement** of its push rod, with a displacement that is directly proportional to the hydraulic input pressure.

The hydraulic proportional cylinder **allows the use of a common automatic load sensing valve with mechanical lever movement** on a vehicle with hydraulic suspensions.

This cylinder **can be used in combination with mechanical automatic load sensing valves** both on hydraulic or pneumatic brake systems, resulting a very flexible device to transform

a common brake system for mechanical suspension vehicles into a brake system for hydraulic suspension vehicles.

In case of failure in the suspension hydraulic line, **the cylinder incorporates a safety function** which forces the cylinder push rod in the full extended position.

Safety will be always guaranteed in any operating condition.