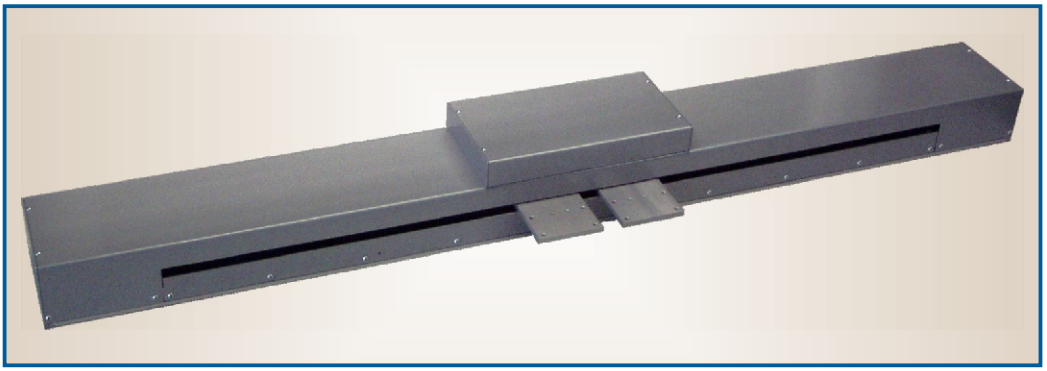
Positioning device PSZxxxR



Our positioning device for sensors is designed to position two sensors whose differential output signal controls the direction of the movement of the servo-drive that centers the band material (such as rubber, textiles, sheet metal, plastic materials, etc.) being coiled up on a drum.

The sensors are fastened by means of consoles sticking out from the bottom part of the device. The sensors with the holders are not part of the PSZ device.

The spacing (i.e. the distance) between the movable consoles can be adjusted by means of a serial interface PROFIBUS DP or using a manual terminal. The consoles move in the opposite direction away from or towards the center of the positioning device for sensors. Both consoles are always equally distant from the center.

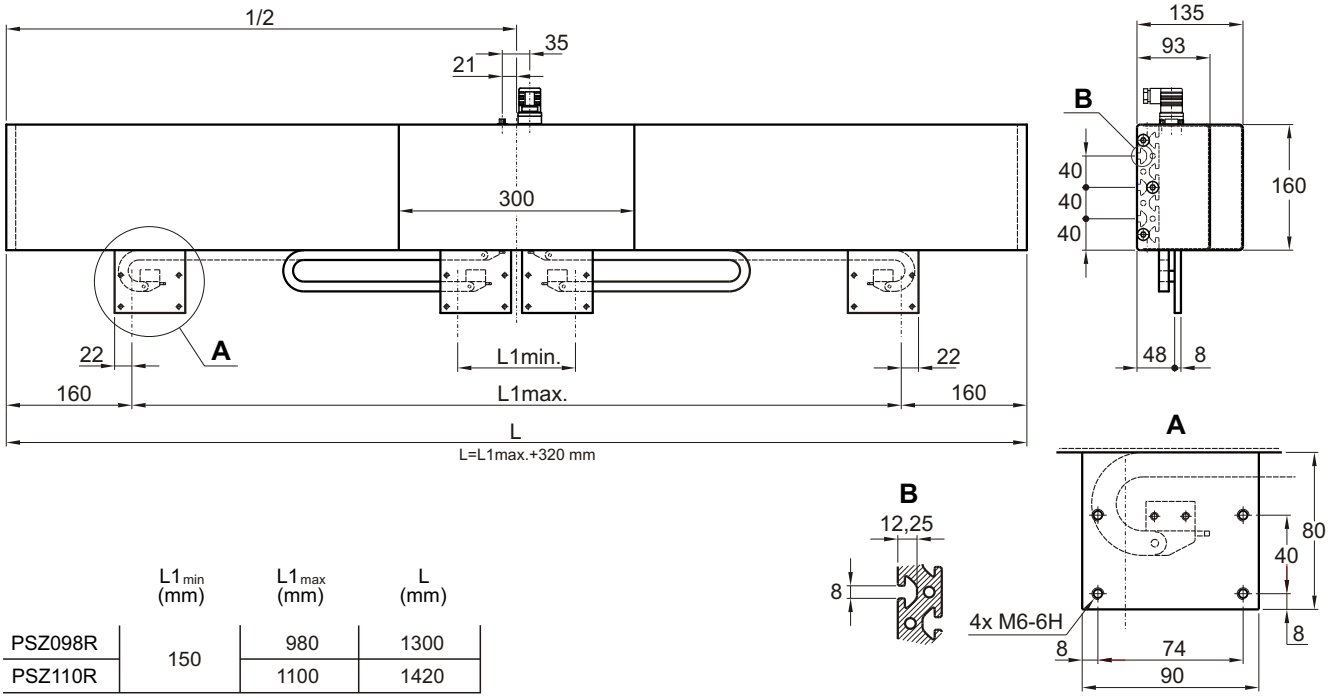
The various models being manufactured only differ in the range of the console spacing. For example, the model **PSZ 098R L1max = 980 mm**, **PSZ 110R L1max = 1100 mm**.

The minimum spacing **L1min = 150 mm** for all models.

The device is mounted on the frame of a machine via the rear wall of the device, where the rear wall contains three grooves. The device is mounted by means of special nuts for grooves. These special nuts (six pieces) are included with the device when it is delivered.

Technical data related to the device:

- supply voltage: 24 VDC ±20%
- power intake from power source: max.1.5A
- communication inteface: PROFIBUS DP
- positioning precision: ±0,5 mm
- protection: IP23
- maximum console movement velocity: cca 100 mm/s
- carrying capacity: max. 0.6 kg per console
- protection against reversal of poles concerning the supply voltage
- please see the figure for the maximum dimensions and method of fastering



	$L1_{min}$ (mm)	$L1_{max}$ (mm)	L (mm)
PSZ098R	150	980	1300
PSZ110R		1100	1420

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