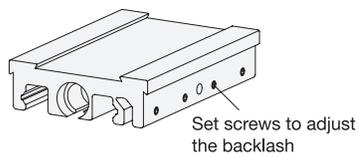


# Adjustable Slide Units

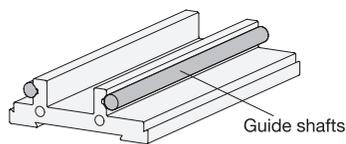
Construction Features



The outer slide, which is made of an anodized aluminum extrusion, is usually the moving part.

As a standard, there is one length of the outer slide per slide size / width, on which the GN 900.2 connecting sets, the GN 900.4 mounting plates and the GN 900.5 rotary plates can be mounted.

Special lengths can be supplied.

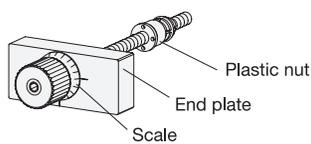


The inner slide, which is also made of an anodized aluminum extrusion, is the guide carrier.

The guide consists of two high-quality guide shafts made of stainless steel.

The anodized hard guide surfaces ensure high load ratings and favorable friction values.

The length of the inner slides results from the length of the outer slide plus stroke.



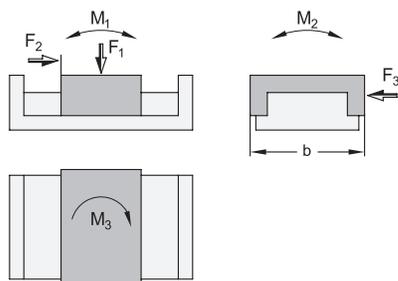
The low backlash drive consists of an end plate, the preloaded stainless steel ball bearing spindle and a preloaded plastic nut (temperature resistant from -4 °F to +176 °F / -20 °C to + 80 °C).

The thread pitches are:

Slide size  $b = 30$  mm: 0.5 mm

Slide sizes  $b = 50, 80, 120$  mm: 1.0 mm

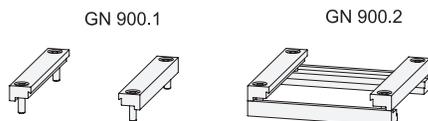
The positioning is done with the help of a scale (one graduation mark = 0.05 mm adjustment travel), which can be set to „0“.



Permissible load values of the GN 900 adjustable slide units:

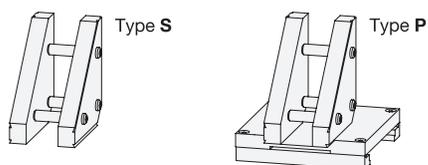
b in mm	F <sub>1</sub>	F <sub>2</sub> *	F <sub>3</sub>	M <sub>1</sub> in Nm	M <sub>2</sub> in Nm	M <sub>3</sub> in Nm
30 1.18	150 N 33 lbf	40 N 8 lbf	65 N 14 lbf	2	2	1
50 1.97	300 N 67 lbf	120 N 26 lbf	215 N 48 lbf	4	5	3
80 3.15	500 N 112 lbf	150 N 33 lbf	365 N 82 lbf	8	10	6
120 4.72	1000 N 224 lbf	300 N 67 lbf	700 N 157 lbf	15	20	12

\* F<sub>2</sub> is the max. permissible sliding thrust



GN 900.1 fastening units consist to two mounting rails. They are used to mount the adjustable slide unit to a base plate (machine side).

GN 900.2 connecting sets consist of four rails. They are used to connect two adjustable slides units to form an X-Y (or Y-Z) adjustment unit.



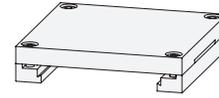
GN 900.3 connecting sets consist of two plates. They are used to connect two adjustable slide units to form an X-Z (or Y-Z) adjustment unit. If the slide is to be positioned parallel to the reference axis, this is achieved by an additional plate (type P).

# Adjustable Slide Units

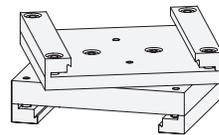
Construction Features

The GN 900.4 mounting plate → *page 1945* serves as an adaptor for application-side processing. By using the mounting plate, any machining on the slide itself is avoided.

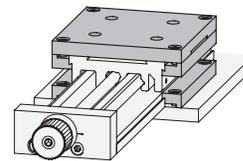
The plate is mounted to the adjustable slide unit with the GN 900.1 fastening unit → *page 1944*.



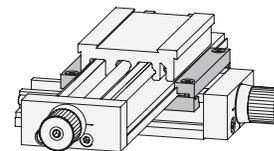
The GN 900.5 rotary plate → [www.jwwinco.com](http://www.jwwinco.com) allows oblique positioning of the adjustable slide units.



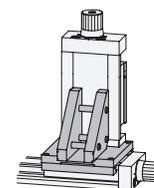
Adjustable slide unit with GN 900.4 mounting plate → *page 1945* mounted to the base plate with GN 900.1 fastening unit → *page 1944*.



Adjustable slide unit X-Y, adjustable slides connected to each other with GN 900.2 connecting set → [www.jwwinco.com](http://www.jwwinco.com).



Adjustment unit X-Z, adjustable slide units connected to each other with GN 900.3 connecting set → [www.jwwinco.com](http://www.jwwinco.com).



Adjustment unit X-Y, Y-slide in an angular position with GN 900.5 rotary plate → [www.jwwinco.com](http://www.jwwinco.com).

