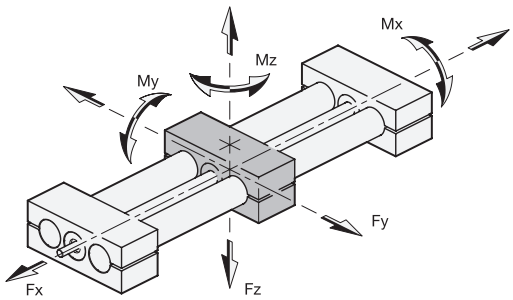
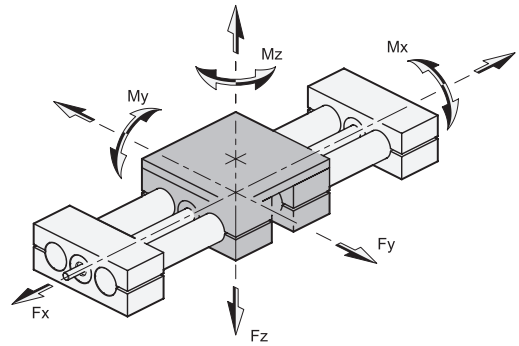
GN 491



GN 492



d	**Fx** in N	**Fy** in N for length l =			**Fz** in N for length l =			**Mx**	**My**	**Mz**
GN 491		500	1000	1500	500	1000	1500	in Nm	in Nm	in Nm
18	425	215	110	-	105	80	-	22	35	40
30	850	1100	900	550	600	350	150	100	100	100
40	1100	3700	2800	1400	2100	600	130	150	140	170
50	1900	3850	2400	2100	3100	700	200	180	220	290
60	2700	6900	5700	5100	6300	2800	360	320	350	500

d	**Fx** in N	**Fy** in N for length l =			**Fz** in N for length l =			**Mx**	**My**	**Mz**
GN 492		500	1000	1500	500	1000	1500	in Nm	in Nm	in Nm
18	425	290	180	-	140	105	-	42	50	75
30	850	1550	1300	800	700	550	250	150	150	200
40	1100	6400	3400	1900	2400	750	290	180	210	260
50	1900	7500	5100	2700	3400	850	340	250	350	530
60	2700	11500	9500	8200	7500	3100	610	550	650	980

The specified forces Fy and Fz cause a flexure of the guide tube of approx. 0,5 mm.

Description

The slider is moved via a bearing-type trapezoidal thread spindle and a guide nut. The slider is guided through two parallel chrome-plated tubes, resulting in a high load capacity and allowing high bending moments to be compensated by the linear actuator.

For type GN 492, a second slider and an adapter plate extend the options for applications.

These double tube linear actuators have been designed for manual operation (handwheel). With the appropriate lubrication, they can also absorb rotary spindle speeds of as much as 250 rpm.

The positioning accuracy is 0,2 mm / 300 mm travel, the maximum reverse play is 0,1 mm.

To measure the adjustment or the positioning, digital position indicators GN 953 / GN 954 / GN 9053 / GN 9054 → *Page 396 / 398 / 402 / 404* may be attached. The required extension of the shaft journal is enabled by installation kits GN 491.1 → *Page 2003.*

Further information see on the standard pages of GN 491 / GN 492 → *Page 1996 / 2000*.