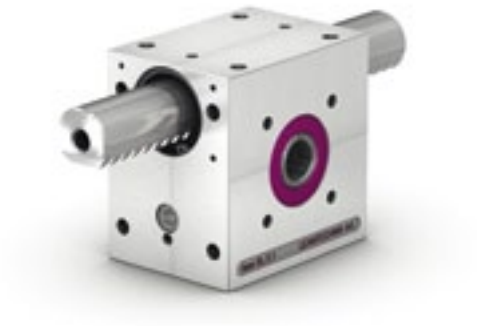
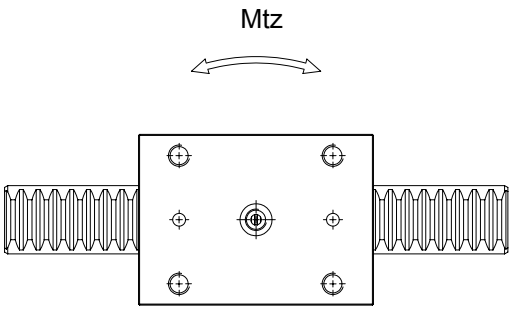
lean SL® Series • Technical data

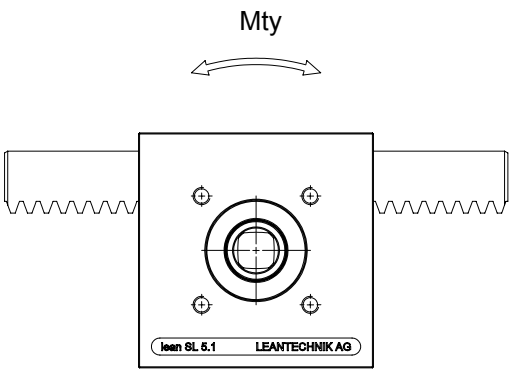


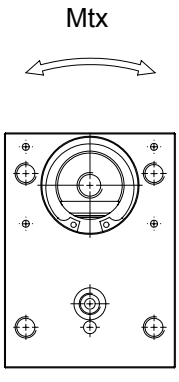
lean SL®

lean SL® double

Make sure that the article number refers to the correct pinion shaft version.







The performance data listed apply to both the lean SL® and lean SL® versions of each size.

The frictional forces in the bushings increase due to torques. This leads to reduced efficiency and increased wear of the bushings (sliding bearings). Please note that this means that a greater driving torque will be required.

lean SL® Series technical data		Unit	SL 5.m	SL 5.0	SL 5.1	SL 5.3	SL5.5
Lifting power	F_{max}	N	300	800	2000	8000	25000
Lifting speed	v_{max}	m/s	0.6	0.6	0.6	0.6	0.6
Acceleration	a_{max}	m/s^2	30	30	30	30	30
Torque	M_{max}	Nm	3	8	40	240	1200
Pitch diameter	⌀ Tk	mm	12	20	40	60	96
Lifting gear ratio	mm/360°		37.6991	62.8318	125.6637	188.4955	301.5929
Efficiency	η		0.8	0.8	0.8	0.8	0.8
Temperature resistance	t	°C	+100	-10 to +100	-10 to +100	-10 to +100	+100
Static torque	Mt_x stat.	Nm	0	0	0	0	0
Dynamic torque	Mt_x dyn.	Nm	0	0	0	0	0
	Mt_y stat.	Nm	100	200	400	2000	7000
	Mt_y dyn.	Nm	9	18	22	150	800
	Mt_z stat.	Nm	250	500	1000	4000	15000
	Mt_z dyn.	Nm	25	50	110	700	4500