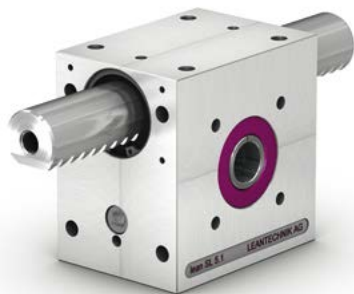


lean SL® Series • Technical data



lean SL®



lean SL® double



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



PW



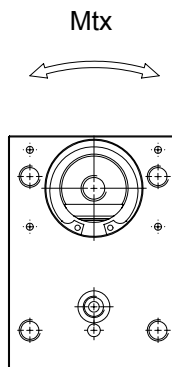
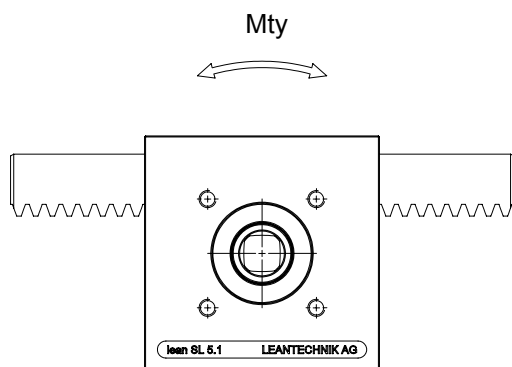
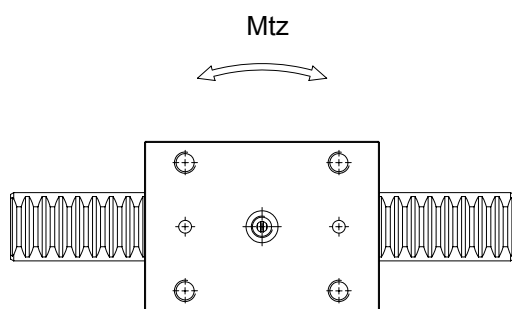
ZA 1



ZA 2



PFN



Video
Functioning



Video gear
rack installation



Installation
instructions



CAD Data

! 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 5.2	SL 5.3	SL5.5
Lifting power	$F_{\max}$	N	300	800	2000	5000	8000	25000
Lifting speed	$v_{\max}$	m/s	0,6	0,6	0,6	0,6	0,6	0,6
Acceleration	$a_{\max}$	m/s ²	30	30	30	30	30	30
Torque	$M_{\max}$	Nm	1,8	8	40	125	240	1200
Pitch diameter	$\varnothing T_k$	mm	12	20	40	50	60	96
Lifting gear ratio	Hub	mm/360°	37,6991	62,8318	125,6637	157,0796	188,4955	301,5929
Efficiency	η		0,8	0,8	0,8	0,8	0,8	0,8
Temperature resistance	t	°C	+100	+100	+100	+100	+100	+100
Static torque	$M_{t_x \text{ stat.}}$	Nm	0	0	0	0	0	0
Dynamic torque	$M_{t_x \text{ dyn.}}$	Nm	0	0	0	0	0	0
	$M_{t_y \text{ stat.}}$	Nm	100	200	400	1200	2000	7000
	$M_{t_y \text{ dyn.}}$	Nm	9	18	22	85	150	800
	$M_{t_z \text{ stat.}}$	Nm	250	500	1000	3000	4000	15000
	$M_{t_z \text{ dyn.}}$	Nm	25	50	110	400	700	4500