

lifgo® Series • Technical Data



lifgo®



lifgo® linear

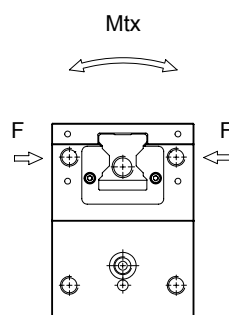
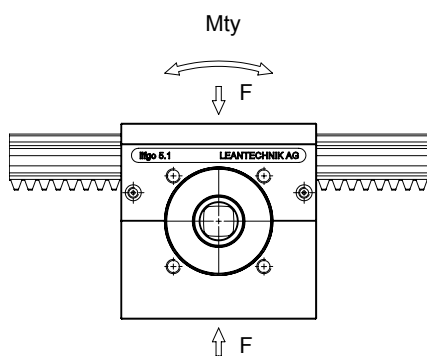
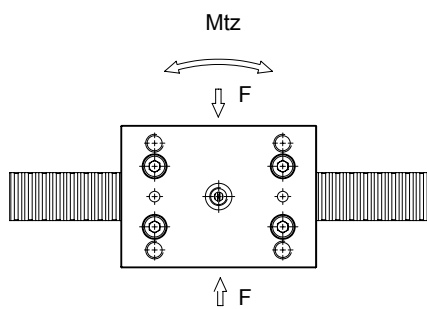


lifgo® double



lifgo® linear double

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



- ❗ The technical data on this page apply to all versions of the lifgo®series (lifgo®, lifgo® linear, lifgo® double, lifgo® linear double).
- ❗ Breakaway force for new, unlubricated gear rack guides is 30N per lifgo® unit. This value drops to near zero after the run-in phase.
- ❗ The breakaway force of hardened gear racks is approximately 80N.
- ❗ The pretensioning of guide cars is 2%.

lifgo® series technical data		Unit	5.0	5.1	5.3	5.4
Lifting power	F_{max}	N	2000	3800	15900	25000
Lifting speed	v_{max}	m/s	3	3	3	3
Acceleration	a_{max}	m/s ²	50	50	50	50
Torque	M_{max}	Nm	20	76	477	1000
Pitch diameter	Ø pt.	mm	20	40	60	80
Lifting gear ratio	mm/360°	62.8318	125.6637	188.4955	251.3274	
Efficiency	h		0.92	0.92	0.92	0.92
Temperature resistance	t	°C	-10 to +80	-10 to +80	-10 to +80	+80
Static torque	$M_{tx stat.}$	Nm	570	760	4400	5500
Dynamic torque	$M_{tx stat.}$	Nm	280	390	2200	2800
	$M_{ty stat.}$	Nm	380	650	3300	3300
	$M_{ty dyn.}$	Nm	180	330	1600	1600
	$M_{tz stat.}$	Nm	380	650	3300	3300
	$M_{tz dyn.}$	Nm	180	330	1600	1600
Static load rating	F stat.	N	38400	51200	161400	161400
Dynamic load rating	F dyn.	N	19100	25900	79600	79600