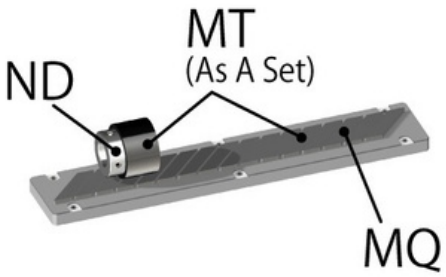
NON-CONTACT MAGNETIC LINEAR SLIDER

A non-contact linear actuator that utilizes magnetic force

Non-Contact Technology Enables Clean, Quiet, and Safe Power Transmission

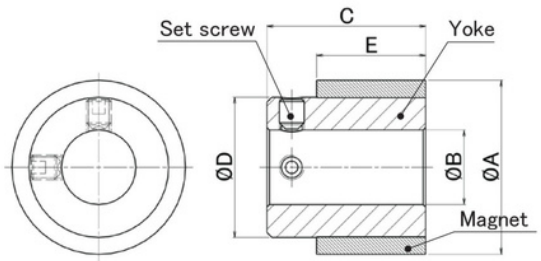
- No particle generation caused by contact surface wear
- Barrier transmission enables seal-less structures
- Low noise and vibration through non-contact power transmission
- Easier assembly with high angular and eccentric misalignment
- tolerance Magnetic slip under overload helps improve safety



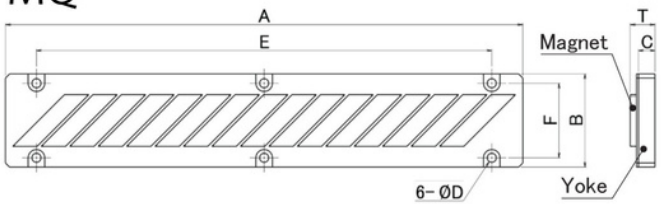
Magnetic Linear Sliders are non-contact linear actuators that utilize magnetic force. They are ideal fo transport applications in cleanroom environments where particle generation and lubrication are undesirable. Unlike conventional linear motors, they require no wiring and can be extended to virtual
unlimited lengths.

Magnet Material : Neodymium Magnet Surface
Treatment :
Magnets - Electrolytic Ni plating
Yoke - Electroless Ni plating (SC steel)

ND



MQ



Made-to-Order Item

Model (Set)	Model (Individual)	Dimensions									Air Gap	0.5mm	1 mm	2 mm
		A	B (Dimensions)	B (Tolerance)	C	D	E	F	T	Set screw				
MT2222-08	ND22C-08	22	10	+0.022 0	25	17.2	17.5	-	-	M4	Maximum transmissible torque (N·m)	0.335	0.262	0.162
	MQ22-16	160	30	-	8	3.3	140	24	12	-	Thrust (N)	30.59	24.22	14.81
MT2626-08	ND26-08	26	12	+0.027 0	25	20.2	14	-	-	M4	Maximum transmissible torque (N·m)	0.422	0.345	0.224
	MQ26-16	195	45	-	8	4.4	175	36	12	-	Thrust (N)	33.14	26.97	17.65
MT3535-08	ND35-08	35	15	+0.027 0	32	29.3	22	-	-	M5	Maximum transmissible torque (N·m)	1.086	0.931	0.694
	MQ35-16	250	45	-	8	4.4	220	36	12	-	Thrust (N)	62.26	53.14	39.42
MT3535-12	ND35-12	35	15	+0.027 0	32	28.2	22	-	-	M5	Maximum transmissible torque (N·m)	1.052	0.84	0.526
	MQ35-24	250	45	-	8	4.4	220	36	12	-	Thrust (N)	60.2	47.84	30
MT5555-12	ND55-12	55	25	+0.033 0	38	46.2	25	-	-	M8	Maximum transmissible torque (N·m)	3.44	2.99	2.222
	MQ55-24	390	60	-	12	4.4	320	50	16	-	Thrust (N)	120	106.38	77.16

The above product data are values measured under ambient temperature conditions.