

Manipulation – High Powered Magnetic Drives

These new MLRMs - known as the MLRV Series - use high power bakeable magnets for vertical mounting. It should be noted, that the external magnet housings cannot be exchanged between MLRM and MLRV drives. The MLRV external magnet housing is bakeable to +250°C and does not need to be removed during system bakeout. Note that the MLRM can only be baked to 120°C unless the external magnet is removed.



MLRV Specifications

Rotation	360° continuous.
Torque	1 Nm (8.8lbs in).
Axial Thrust	50N (11 lbs).
Linear Lock	Standard

- Linear & rotary motion.
- High powered magnets allow drives to be Horizontally or Vertically mounted.
- Range of linear travels and mounting flanges.
- Complete drive bakeable to +250°C.
- Can be easily retrofitted with standard range of MLRM drives.

Flange OD	Travel	Probe Diam.	External Length	Vertical Max Load	Horiz. Max Load	Ship Weight	Part Number	Price
70 mm 2.75"	305mm 12"	19mm	514 mm	5.0 kg	2.0 kg	3.6 kg	MLRM203	P.O.R.
70 mm 2.75"	460 mm 18"	19mm	692 mm	5.0 kg	1.7 kg	3.8 kg	MLRM204	P.O.R.
70 mm 2.75"	610 mm 24"	19mm	870 mm	5.0 kg	1.5 kg	4.0 kg	MLRM206	P.O.R.
70 mm 2.75"	914 mm 36"	19mm	1225 mm	5.0 kg	1.2 kg	4.4 kg	MLRM209	P.O.R.
114 mm 4.5"	610 mm 24"	25.4	870 mm	4.0 kg	2.2 kg	4.0 kg	MLRM406	P.O.R.
114 mm 4.5"	914 mm 36"	25.4	1225 mm	4.0 kg	2.2 kg	4.4 kg	MLRM409	P.O.R.
114 mm 4.5"	1250 mm 49"	25.4	1603 mm	4.0 kg	2.1 kg	5.0 kg	MLRM412	P.O.R.
114 mm 4.5"	1450 mm 57"	25.4	1845 mm	4.0 kg	2.1 kg	5.8 kg	MLRM414	P.O.R.

You are advised not to exceed the working loads when mounting the MLRV vertically. This will cause the internal connector to decouple.