



32 Weights

Unit weights listed are for hoists with 10 feet [3m] of lift. To achieve a new unit weight for lifts greater than 10 feet [3m], determine the additional lift difference, multiply the additional lift by the appropriate chain weight per foot [meter] of lift (found in the table), and then, add this to the unit weight of your selected hoist. All unit weights are approximate.

Hoist	Fall	Lift ft [m]	Unit Weight lbs. [kg]				Chain weight per ft [m] of lift lb./ft [kg/m]
			Swivel Trolley	Top Hook	Push Trolley	TMU trolley	
LM1	1	10 [3]	---	30 [13.6]	36 [16]	---	0.15 [0.22]
LM1	2	10 [3]	---	33 [15]	39 [18]	---	0.30 [0.44]
LM05	1	10 [3]	On request	60 [27.2]	74 [33.5]	177 [80]	0.38 [0.54]
LM05	2	10 [3]	On request	67 [30]	81 [37]	183 [83]	0.75 [1.08]
LM10	1	10 [3]	On request	122 [55]	144 [65]	239 [108]	0.75 [1.08]
LM10	2	10 [3]	On request	133 [60]	218 [99]	250 [113]	1.5 [2.16]
LM16	1	10 [3]	441 [200]	243 [110]	287 [130]	353 [160]	1.25 [1.80]
LM16	2	10 [3]	454 [206]	253 [115]	293 [133]	365 [166]	2.5 [3.60]
LM20/LM25	1	10 [3]	452 [205]	233 [107]	321 [146]	365 [166]	2 [2.85]
LM20/LM25	2	10 [3]	485 [220]	243 [110]	331 [150]	375 [170]	4 [5.70]

33 Conversions

Conversion of SI units to U.S. customary units

To convert from	To	Multiply by common
Kilogram (kg)	pound mass (lbm)	2.205
Kilogram (kg)	ton (2000 lbm)	0.0011
Kilowatt (kW)	horsepower (hp)	1.34
Meter (m)	feet (ft)	3.28
Millimeter (mm)	inch (in)	0.03937
Newton-meter	foot-pound (lbf)	0.737
Newton	pound (lbf)	0.225

R&M Materials Handling, Inc. has made every effort to make this Technical Guide complete and accurate as of the time of printing. Since products are continuously being improved, all data is subject to correction and change. The data presented here is for general information to provide an overview of capabilities of the LM hoists, QL Modular crane and their components. For specific applications, certified drawings, capabilities and performance data contact R&M for assistance.