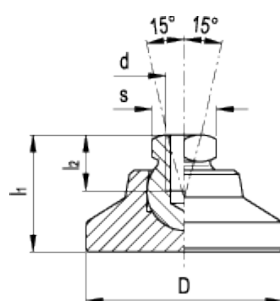


LM.

Levelling elements



american unit
metric unit

Elesa Standards				Main dimensions		Ball joint Threaded hole		Wrench	Max limit static load		Weight	
LM.		LM.SST		D	l ₁	d	l ₂	s	[lbf] [N]	[lbf]# [N]	lbs g	lbs# g
Code	Description	Code	Description									
401021	LM.25 M8	402021	LM.25-SST M8	0.98 25	0.75 19	- M8	0.35 9	0.47 12	3136 14000	1568 7000	0.066 30	0.068 31
401030	LM.32 M8	402030	LM.32-SST M8	1.26 32	0.91 23	- M8	0.35 9	0.47 12	3136 14000	1568 7000	0.137 62	0.143 65
401031	LM.32 M10	402031	LM.32-SST M10	1.26 32	0.91 23	- M10	0.41 10.5	0.59 15	5152 23000	2464 11000	0.141 64	0.145 66
401040	LM.40 M10	402040	LM.40-SST M10	1.57 40	1.02 26	- M10	0.41 10.5	0.59 15	5152 23000	2464 11000	0.233 106	0.264 120
401041	LM.40 M12	402041	LM.40-SST M12	1.57 40	1.02 26	- M12	0.45 11.5	0.67 17	7392 33000	3584 16000	0.238 108	0.244 111
401050	LM.50 M10	402050	LM.50-SST M10	1.97 50	1.1 28	- M10	0.41 10.5	0.59 15	5152 23000	2464 11000	0.381 173	0.419 190
401051	LM.50 M12	402051	LM.50-SST M12	1.97 50	1.1 28	- M12	0.45 11.5	0.67 17	7392 33000	3584 16000	0.385 175	0.396 180
401060	LM.60 M12	402060	LM.60-SST M12	2.36 60	1.42 36	- M12	0.45 11.5	0.67 17	7392 33000	3584 16000	0.694 315	0.749 340
401061	LM.60 M16	402061	LM.60-SST M16	2.36 60	1.42 36	- M16	0.63 16	0.94 24	13888 62000	6720 30000	0.705 320	0.727 330

Values for LM.SST

401562	LM.60 M12x100	402562	LM.60-SST M12x100	2.36 60	5.35 136	1.42 36	- M12	3.94 100	0.67 17	7392 33000	3584 16000	1.101 500	1.101 500
401563	LM.60 M16x80	402563	LM.60-SST M16x80	2.36 60	4.57 116	1.42 36	- M16	3.15 80	0.94 24	13888 62000	6720 30000	1.09 495	1.123 510
401566	LM.60 M16x125	402566	LM.60-SST M16x125	2.36 60	6.34 161	1.42 36	- M16	4.92 125	0.94 24	13888 62000	6720 30000	1.2 545	1.236 561
401571	LM.60 M20x98	402571	LM.60-SST M20x98	2.36 60	5.28 134	1.42 36	- M20	3.86 98	0.94 24	21280 95000	10080 45000	1.211 550	1.211 550
401573	LM.60 M20x138	402573	LM.60-SST M20x138	2.36 60	6.85 174	1.42 36	- M20	5.43 138	0.94 24	21280 95000	10080 45000	1.278 580	1.278 580
401576	LM.60 M20x158	402576	LM.60-SST M20x158	2.36 60	7.64 194	1.42 36	- M20	6.22 158	0.94 24	21280 95000	10080 45000	1.344 610	1.344 610

Values for LM.SST

Material

LM.: base, nut, ball joint or threaded stem in zinc-plated steel.

LM.SST: base, ball joint or threaded stud in AISI 303 stainless steel.

Nut in AISI 304 stainless steel.

Features

The resistance to a static load of the levelling element is limited by the load capacity of the stem. The static load values in the table below refer to the resistance to a load applied on the axis of the levelling element; side or angular loading, under common normal working conditions, increases the stress on the stem and reduces its load capacity.

To increase the resistance you can use the version with threaded ball joint combined with steel bar of higher resistance class. We recommend to insert a pressure pad at the bottom of the threaded hole to increase the load capacity of the ball reducing the load on the joint threading. Stainless steel, thanks to its high resistance to corrosion, allow the applications of these levelling elements on machines and equipment in those sectors where laws or particular hygienic, climatic and environmental factors make it mandatory to use corrosion resistant materials.



STANDARD MACHINE ELEMENTS WORLDWIDE