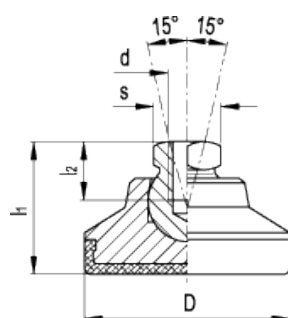


LM.TR

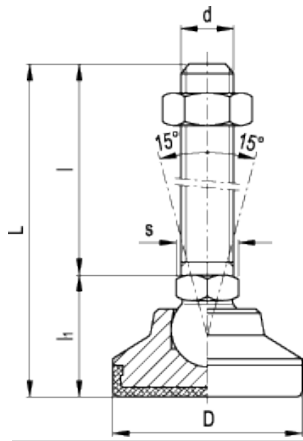
Levelling elements



american unit
metric unit

Elesa Standards				Main dimensions		Ball joint		Wrench	Max limit static load		Weight	
LM.TR		LM.SST-TR		D	l ₁	d	l ₂		[lbf]	[lbf]#	lbs	lbs#
Code	Description	Code	Description					s	[N]	[N]	g	g
401221	LM.25 M8-TR	402221	LM.25-SST M8-TR	0.98 25	0.81 20.5	- M8	0.35 9	0.47 12	3136 14000	1568 7000	0.077 35	0.079 36
401230	LM.32 M8-TR	402230	LM.32-SST M8-TR	1.26 32	0.96 24.5	- M8	0.35 9	0.47 12	3136 14000	1568 7000	0.187 85	0.187 85
401231	LM.32 M10-TR	402231	LM.32-SST M10-TR	1.26 32	0.96 24.5	- M10	0.41 10.5	0.59 15	5152 23000	2464 11000	0.165 75	0.17 77
401240	LM.40 M10-TR	402240	LM.40-SST M10-TR	1.57 40	1.08 27.5	- M10	0.41 10.5	0.59 15	5152 23000	2464 11000	0.264 120	0.264 120
401241	LM.40 M12-TR	402241	LM.40-SST M12-TR	1.57 40	1.08 27.5	- M12	0.45 11.5	0.67 17	7392 33000	3584 16000	0.242 110	0.249 113
401250	LM.50 M10-TR	402250	LM.50-SST M10-TR	1.97 50	1.16 29.5	- M10	0.41 10.5	0.59 15	5152 23000	2464 11000	0.374 170	0.407 185
401251	LM.50 M12-TR	402251	LM.50-SST M12-TR	1.97 50	1.16 29.5	- M12	0.45 11.5	0.67 17	7392 33000	3584 16000	0.352 160	0.363 165
401260	LM.60 M12-TR	402260	LM.60-SST M12-TR	2.36 60	1.48 37.5	- M12	0.45 11.5	0.67 17	7392 33000	3584 16000	0.738 335	0.738 335
401261	LM.60 M16-TR	402261	LM.60-SST M16-TR	2.36 60	1.48 37.5	- M16	0.63 16	0.94 24	13888 62000	6720 30000	0.705 320	0.727 330

Values for LM.TR



american unit
metric unit

Elesa Standards				Main dimensions			Threaded stem		Wrench	Max limit static load		Weight	
LM.TR		LM.SST-TR		D	L	l ₁	d	l	s	[lbf] [N]	[lbf]# [N]	lbs g	lbs# g
Code	Description	Code	Description										
401723	LM.25 M8x40-TR	402723	LM.25-SST M8x40-TR	0.98 25	2.38 60.5	0.81 20.5	- M8	1.57 40	0.47 12	3136 14000	1568 7000	0.145 66	0.15 68
401724	LM.25 M8x50-TR	402724	LM.25-SST M8x50-TR	0.98 25	2.78 70.5	0.81 20.5	- M8	1.97 50	0.47 12	3136 14000	1568 7000	0.11 50	0.11 50
401726	LM.25 M8x63-TR	402726	LM.25-SST M8x63-TR	0.98 25	3.29 83.5	0.81 20.5	- M8	2.48 63	0.47 12	3136 14000	1568 7000	0.154 70	0.159 72
401730	LM.32 M8x40-TR	402730	LM.32-SST M8x40-TR	1.26 32	2.54 64.5	0.96 24.5	- M8	1.57 40	0.47 12	3136 14000	1568 7000	0.115 52	0.115 52
401731	LM.32 M8x50-TR	402731	LM.32-SST M8x50-TR	1.26 32	2.93 74.5	0.96 24.5	- M8	1.97 50	0.47 12	3136 14000	1568 7000	0.126 57	0.126 57
401732	LM.32 M8x63-TR	402732	LM.32-SST M8x63-TR	1.26 32	3.44 87.5	0.96 24.5	- M8	2.48 63	0.47 12	3136 14000	1568 7000	0.148 67	0.148 67
401733	LM.32 M10x50-TR	402733	LM.32-SST M10x50-TR	1.26 32	2.93 74.5	0.96 24.5	- M10	1.97 50	0.59 15	5152 23000	2464 11000	0.233 106	0.24 109
401734	LM.32 M10x63-TR	402734	LM.32-SST M10x63-TR	1.26 32	3.44 87.5	0.96 24.5	- M10	2.48 63	0.59 15	- -	2464 11000	- -	0.247 112
401736	LM.32 M10x80-TR	402736	LM.32-SST M10x80-TR	1.26 32	4.11 104.5	0.96 24.5	- M10	3.15 80	0.59 15	5152 23000	2464 11000	0.264 120	0.273 124
401740	LM.40 M10x50-TR	402740	LM.40-SST M10x50-TR	1.57 40	3.05 77.5	1.08 27.5	- M10	1.97 50	0.59 15	5152 23000	2464 11000	0.346 157	0.346 157
401741	LM.40 M10x63-TR	402741	LM.40-SST M10x63-TR	1.57 40	3.56 90.5	1.08 27.5	- M10	2.48 63	0.59 15	5152 23000	2464 11000	0.363 165	0.363 165
401742	LM.40 M10x80-TR	402742	LM.40-SST M10x80-TR	1.57 40	4.23 107.5	1.08 27.5	- M10	3.15 80	0.59 15	5152 23000	2464 11000	0.379 172	0.379 172
401743	LM.40 M12x63-TR	402743	LM.40-SST M12x63-TR	1.57 40	3.56 90.5	1.08 27.5	- M12	2.48 63	0.67 17	7392 33000	3584 16000	0.392 178	0.403 183
401744	LM.40 M12x80-TR	402744	LM.40-SST M12x80-TR	1.57 40	4.23 107.5	1.08 27.5	- M12	3.15 80	0.67 17	- -	3584 16000	- -	0.419 190
401746	LM.40 M12x100-TR	402746	LM.40-SST M12x100-TR	1.57 40	5.02 127.5	1.08 27.5	- M12	3.94 100	0.67 17	7392 33000	3584 16000	0.452 205	0.465 211
401750	LM.50 M10x50-TR	402750	LM.50-SST M10x50-TR	1.97 50	3.13 79.5	1.16 29.5	- M10	1.97 50	0.59 15	5152 23000	2464 11000	0.456 207	0.456 207
401751	LM.50 M10x63-TR	402751	LM.50-SST M10x63-TR	1.97 50	3.64 92.5	1.16 29.5	- M10	2.48 63	0.59 15	5152 23000	2464 11000	0.474 215	0.474 215
401752	LM.50 M10x80-TR	402752	LM.50-SST M10x80-TR	1.97 50	4.31 109.5	1.16 29.5	- M10	3.15 80	0.59 15	5152 23000	2464 11000	0.489 222	0.489 222
401753	LM.50 M12x63-TR	402753	LM.50-SST M12x63-TR	1.97 50	3.64 92.5	1.16 29.5	- M12	2.48 63	0.67 17	7392 33000	3584 16000	0.573 260	0.59 268
401754	LM.50 M12x80-TR	402754	LM.50-SST M12x80-TR	1.97 50	4.31 109.5	1.16 29.5	- M12	3.15 80	0.67 17	- -	3584 16000	- -	0.562 255
401756	LM.50 M12x100-TR	402756	LM.50-SST M12x100-TR	1.97 50	5.1 129.5	1.16 29.5	- M12	3.94 100	0.67 17	7392 33000	3584 16000	0.628 285	0.65 295
401760	LM.60 M12x63-TR	402760	LM.60-SST M12x63-TR	2.36 60	3.96 100.5	1.48 37.5	- M12	2.48 63	0.67 17	7392 33000	3584 16000	0.914 415	0.969 440
401761	LM.60 M12x80-TR	402761	LM.60-SST M12x80-TR	2.36 60	4.63 117.5	1.48 37.5	- M12	3.15 80	0.67 17	7392 33000	3584 16000	0.991 450	1.024 465

401762	LM.60 M12x100-TR	402762	LM.60-SST M12x100-TR	2.36 60	5.41 137.5	1.48 37.5	- M12	3.94 100	0.67 17	7392 33000	3584 16000	1.044 474	1.101 500
401763	LM.60 M16x80-TR	402763	LM.60-SST M16x80-TR	2.36 60	4.63 117.5	1.48 37.5	- M16	3.15 80	0.94 24	13888 62000	6720 30000	1.112 505	1.079 490
401766	LM.60 M16x125-TR	402766	LM.60-SST M16x125-TR	2.36 60	6.4 162.5	1.48 37.5	- M16	4.92 125	0.94 24	13888 62000	6720 30000	1.211 550	1.249 567
401771	LM.60 M20x98-TR	402771	LM.60-SST M20x98-TR	2.36 60	5.33 135.5	1.48 37.5	- M20	3.86 98	0.94 24	21280 95000	10080 45000	1.211 550	1.211 550
401773	LM.60 M20x138-TR	402773	LM.60-SST M20x138-TR	2.36 60	6.91 175.5	1.48 37.5	- M20	5.43 138	0.94 24	21280 95000	10080 45000	1.278 580	1.278 580
401776	LM.60 M20x158-TR	402776	LM.60-SST M20x158-TR	2.36 60	7.7 195.5	1.48 37.5	- M20	6.22 158	0.94 24	21280 95000	10080 45000	1.344 610	1.344 610

Values for LM.SST-TR

Material

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

LM.SST-TR: base, ball joint or threaded stud in AISI 303 stainless steel. Nut in AISI 304 stainless steel.

No-slip coating

Thermoplastic elastomer (TPE).

Features and applications

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