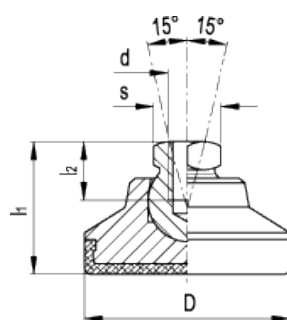


LM.AC

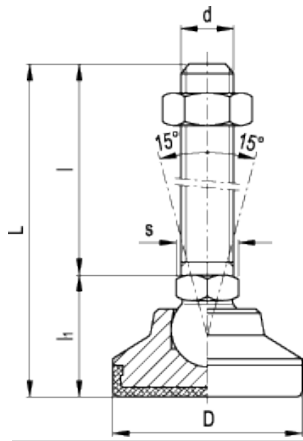
Levelling elements



american unit
metric unit

| Elesa Standards | | | | Main dimensions | | Ball joint Threaded hole | | Wrench | Max limit static load | | Weight | |
|-----------------|--------------|-----------|------------------|-----------------|----------------|-----------------------------|----------------|------------|-----------------------|---------------|--------------|--------------|
| LM.AC | | LM.SST-AC | | | | | | | | | | |
| Code | Description | Code | Description | D | l ₁ | d | l ₂ | s | [lbf] [N] | [lbf]# [N] | lbs g | lbs# g |
| 401121 | LM.25 M8-AC | 402121 | LM.25-SST M8-AC | 0.98 25 | 0.81 20.5 | - M8 | 0.35 9 | 0.47 12 | 3136 14000 | 1568 7000 | 0.068 31 | 0.07 32 |
| 401130 | LM.32 M8-AC | 402130 | LM.32-SST M8-AC | 1.26 32 | 0.96 24.5 | - M8 | 0.35 9 | 0.47 12 | 3136 14000 | 1568 7000 | 0.165 75 | 0.165 75 |
| 401131 | LM.32 M10-AC | 402131 | LM.32-SST M10-AC | 1.26 32 | 0.96 24.5 | - M10 | 0.41 10.5 | 0.59 15 | 5152 23000 | 2464 11000 | 0.143 65 | 0.148 67 |
| 401140 | LM.40 M10-AC | 402140 | LM.40-SST M10-AC | 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 |
| 401141 | LM.40 M12-AC | 402141 | LM.40-SST M12-AC | 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 |
| 401150 | LM.50 M10-AC | 402150 | LM.50-SST M10-AC | 1.97 50 | 1.16 29.5 | - M10 | 0.41 10.5 | 0.59 15 | 5152 23000 | 2464 11000 | 0.407 185 | 0.407 185 |
| 401151 | LM.50 M12-AC | 402151 | LM.50-SST M12-AC | 1.97 50 | 1.16 29.5 | - M12 | 0.45 11.5 | 0.67 17 | 7392 33000 | 3584 16000 | 0.385 175 | 0.396 180 |
| 401160 | LM.60 M12-AC | 402160 | LM.60-SST M12-AC | 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 |
| 401161 | LM.60 M16-AC | 402161 | LM.60-SST M16-AC | 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.AC



american unit
metric unit

| Elesa Standards | | | | Main dimensions | | | Threaded stem | | Wrench | Max limit static load | | Weight | |
|-----------------|------------------|-----------|----------------------|-----------------|---------------|----------------|---------------|-------------|------------|-----------------------|---------------|--------------|--------------|
| LM.AC | | LM.SST-AC | | D | L | l ₁ | d | l | s | [lbf] [N] | [lbf]# [N] | lbs g | lbs# g |
| Code | Description | Code | Description | | | | | | | | | | |
| 401623 | LM.25 M8x40-AC | 402623 | LM.25-SST M8x40-AC | 0.98 25 | 2.38 60.5 | 0.81 20.5 | - M8 | 1.57 40 | 0.47 12 | 3136 14000 | 1568 7000 | 0.143 65 | 0.148 67 |
| 401624 | LM.25 M8x50-AC | 402624 | LM.25-SST M8x50-AC | 0.98 25 | 2.78 70.5 | 0.81 20.5 | - M8 | 1.97 50 | 0.47 12 | 3136 14000 | 1568 7000 | 0.121 55 | 0.121 55 |
| 401626 | LM.25 M8x63-AC | 402626 | LM.25-SST M8x63-AC | 0.98 25 | 3.29 83.5 | 0.81 20.5 | - M8 | 2.48 63 | 0.47 12 | 3136 14000 | 1568 7000 | 0.152 69 | 0.156 71 |
| 401630 | LM.32 M8x40-AC | 402630 | LM.32-SST M8x40-AC | 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 |
| 401631 | LM.32 M8x50-AC | 402631 | LM.32-SST M8x50-AC | 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 |
| 401632 | LM.32 M8x63-AC | 402632 | LM.32-SST M8x63-AC | 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 |
| 401633 | LM.32 M10x50-AC | 402633 | LM.32-SST M10x50-AC | 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 |
| 401634 | LM.32 M10x63-AC | 402634 | LM.32-SST M10x63-AC | 1.26 32 | 3.44 87.5 | 0.96 24.5 | - M10 | 2.48 63 | 0.59 15 | - - | 2464 11000 | - - | 0.379 172 |
| 401636 | LM.32 M10x80-AC | 402636 | LM.32-SST M10x80-AC | 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 |
| 401640 | LM.40 M10x50-AC | 402640 | LM.40-SST M10x50-AC | 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 |
| 401641 | LM.40 M10x63-AC | 402641 | LM.40-SST M10x63-AC | 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 |
| 401642 | LM.40 M10x80-AC | 402642 | LM.40-SST M10x80-AC | 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 |
| 401643 | LM.40 M12x63-AC | 402643 | LM.40-SST M12x63-AC | 1.57 40 | 3.56 90.5 | 1.08 27.5 | - M12 | 2.48 63 | 0.67 17 | 7392 33000 | 3584 16000 | 0.407 185 | 0.407 185 |
| 401644 | LM.40 M12x80-AC | 402644 | LM.40-SST M12x80-AC | 1.57 40 | 4.23 107.5 | 1.08 27.5 | - M12 | 3.15 80 | 0.67 17 | - - | 3584 16000 | - - | 0.419 190 |
| 401646 | LM.40 M12x100-AC | 402646 | LM.40-SST M12x100-AC | 1.57 40 | 5.02 127.5 | 1.08 27.5 | - M12 | 3.94 100 | 0.67 17 | 7392 33000 | 3584 16000 | 0.463 210 | 0.471 214 |
| 401650 | LM.50 M10x50-AC | 402650 | LM.50-SST M10x50-AC | 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 |
| 401651 | LM.50 M10x63-AC | 402651 | LM.50-SST M10x63-AC | 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 |
| 401652 | LM.50 M10x80-AC | 402652 | LM.50-SST M10x80-AC | 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 |
| 401653 | LM.50 M12x63-AC | 402653 | LM.50-SST M12x63-AC | 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 | 0.573 260 |
| 401654 | LM.50 M12x80-AC | 402654 | LM.50-SST M12x80-AC | 1.97 50 | 4.31 109.5 | 1.16 29.5 | - M12 | 3.15 80 | 0.67 17 | - - | 3584 16000 | - - | 0.595 270 |
| 401656 | LM.50 M12x100-AC | 402656 | LM.50-SST M12x100-AC | 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 | 0.648 294 |
| 401660 | LM.60 M12x63-AC | 402660 | LM.60-SST M12x63-AC | 2.36 60 | 3.96 100.5 | 1.48 37.5 | - M12 | 2.48 63 | 0.67 17 | 7392 33000 | 3584 16000 | 0.969 440 | 0.969 440 |
| 401661 | LM.60 M12x80-AC | 402661 | LM.60-SST M12x80-AC | 2.36 60 | 4.63 117.5 | 1.48 37.5 | - M12 | 3.15 80 | 0.67 17 | 7392 33000 | 3584 16000 | 1.024 465 | 1.024 465 |

| | | | | | | | | | | | | | |
|--------|------------------|--------|----------------------|------------|---------------|--------------|----------|-------------|------------|----------------|----------------|--------------|--------------|
| 401662 | LM.60 M12x100-AC | 402662 | LM.60-SST M12x100-AC | 2.36 60 | 5.41 137.5 | 1.48 37.5 | - M12 | 3.94 100 | 0.67 17 | 7392 33000 | 3584 16000 | 1.101 500 | 1.101 500 |
| 401663 | LM.60 M16x80-AC | 402663 | LM.60-SST M16x80-AC | 2.36 60 | 4.63 117.5 | 1.48 37.5 | - M16 | 3.15 80 | 0.94 24 | 13888 62000 | 6720 30000 | 1.079 490 | 1.112 505 |
| 401666 | LM.60 M16x125-AC | 402666 | LM.60-SST M16x125-AC | 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 | 1.247 566 |
| 401671 | LM.60 M20x98-AC | 402671 | LM.60-SST M20x98-AC | 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 |
| 401673 | LM.60 M20x138-AC | 402673 | LM.60-SST M20x138-AC | 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 |
| 401676 | LM.60 M20x158-AC | 402676 | LM.60-SST M20x158-AC | 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-AC

Material

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

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

Antistatic bearing protection

Acetal resin based (POM) technopolymer, white colour. Resistant to solvents, oils, greases and other chemical agents.

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