

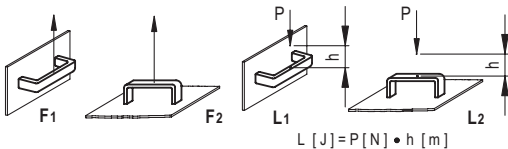
STANDARD EXECUTIONS

Brass bosses, threaded blind holes.

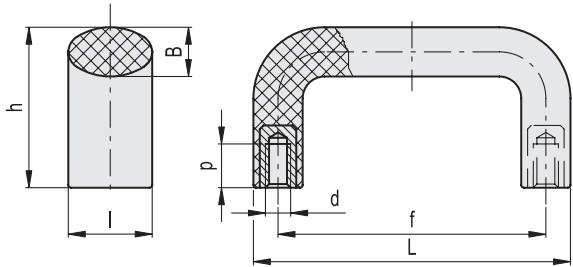
- **M.643**: high-resilience polypropylene based (PP) technopolymer, black colour, matte finish.
- **M.643R** (reduced version h=45): glass-fibre reinforced polyamide based (PA) technopolymer, black colour, matte finish.
- **M.643-FM**: high-resilience polypropylene based (PP) technopolymer, black colour, matte finish. Brass bosses, pass-through holes for cylindrical-head screws with hexagon socket.

TECHNICAL DATA

Tensile stress and impact strength: F1, F2, L1 and L2 values reported in the table are the result of breaking tests carried out with the appropriate dynamometric equipment under the test conditions shown in the figure with ambient temperature.



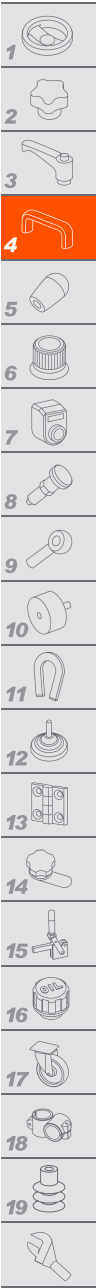
| Conversion Table  |      |       |       |
|-------------------|------|-------|-------|
| 1 mm = 0,039 inch |      |       |       |
| L                 |      |       |       |
| mm                | inch | mm    | inch  |
| 100               | 3.94 | 177   | 6.97  |
| 108               | 4.25 | 196   | 7.72  |
| 134               | 5.28 | 209.5 | 8.17  |
| 148               | 5.83 | 253   | 9.96  |
| 166               | 6.53 | 322   | 12.68 |



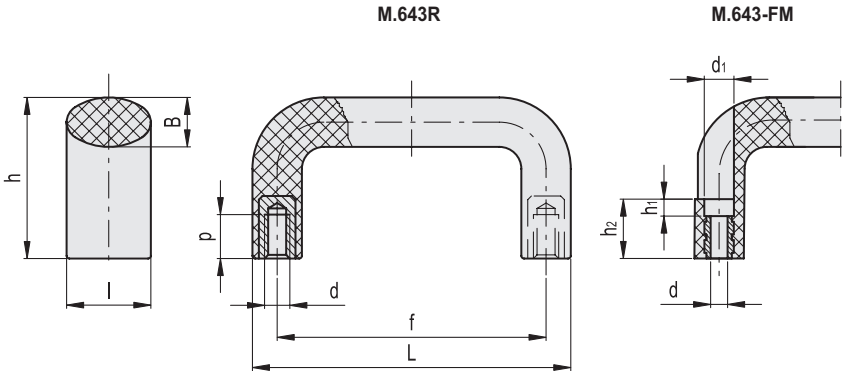
ELESA Original design

M.643

| Code  | Description        | L     | l  | f       | d6H | h  | B    | p  | F1 [N] | F2 [N] | L1 [J] | L2 [J] | ⚖   |
|-------|--------------------|-------|----|---------|-----|----|------|----|--------|--------|--------|--------|-----|
| 37300 | M.643/100 B-M5     | 100   | 23 | 86±0.5  | M5  | 44 | 14   | 10 | 2400   | 2400   | 12     | 6      | 46  |
| 37301 | M.643/100 B-M6     | 100   | 23 | 86±0.5  | M6  | 44 | 14   | 12 | 2400   | 2400   | 12     | 6      | 45  |
| 37305 | M.643/110 B-M5     | 108   | 24 | 94±0.5  | M5  | 48 | 14   | 10 | 2300   | 2300   | 10     | 8      | 60  |
| 37306 | M.643/110 B-M6     | 108   | 24 | 94±0.5  | M6  | 48 | 14   | 12 | 2300   | 2300   | 10     | 8      | 59  |
| 37308 | M.643/140-117 B-M4 | 134   | 25 | 117±0.5 | M4  | 49 | 15   | 10 | 2250   | 2650   | 8      | 12     | 63  |
| 37309 | M.643/140-117 B-M5 | 134   | 25 | 117±0.5 | M5  | 49 | 15   | 10 | 2250   | 2650   | 8      | 12     | 64  |
| 37310 | M.643/140-117 B-M6 | 134   | 25 | 117±0.5 | M6  | 49 | 15   | 12 | 2250   | 2650   | 8      | 12     | 65  |
| 37311 | M.643/140-117 B-M8 | 134   | 25 | 117±0.5 | M8  | 49 | 15   | 13 | 2250   | 2650   | 8      | 12     | 67  |
| 37314 | M.643/140-120 B-M5 | 134   | 25 | 120±0.5 | M5  | 49 | 15   | 10 | 2250   | 2650   | 8      | 12     | 68  |
| 37315 | M.643/140-120 B-M6 | 134   | 25 | 120±0.5 | M6  | 49 | 15   | 12 | 2250   | 2650   | 8      | 12     | 69  |
| 37316 | M.643/140-120 B-M8 | 134   | 25 | 120±0.5 | M8  | 49 | 15   | 13 | 2250   | 2650   | 8      | 12     | 70  |
| 37320 | M.643/150 B-M5     | 148   | 26 | 132±0.5 | M5  | 53 | 16   | 10 | 2200   | 2450   | 8      | 12     | 71  |
| 37321 | M.643/150 B-M6     | 148   | 26 | 132±0.5 | M6  | 53 | 16   | 12 | 2200   | 2450   | 8      | 12     | 72  |
| 37322 | M.643/150 B-M8     | 148   | 26 | 132±0.5 | M8  | 53 | 16   | 13 | 2200   | 2450   | 8      | 12     | 73  |
| 37325 | M.643/170 B-M6     | 157   | 26 | 140 ±1  | M6  | 55 | 16   | 12 | 2000   | 2550   | 8      | 13     | 94  |
| 37326 | M.643/170 B-M8     | 157   | 26 | 140 ±1  | M8  | 55 | 16   | 13 | 2000   | 2550   | 8      | 13     | 95  |
| 37331 | M.643/180 B-M6     | 166   | 27 | 150±1   | M6  | 56 | 16   | 12 | 2000   | 2550   | 8      | 13     | 81  |
| 37332 | M.643/180 B-M8     | 166   | 27 | 150±1   | M8  | 56 | 16   | 13 | 2000   | 2550   | 8      | 13     | 82  |
| 37333 | M.643/180 B-M10    | 166   | 27 | 150±1   | M10 | 56 | 16   | 17 | 2000   | 2550   | 8      | 13     | 83  |
| 37341 | M.643/190 B-M6     | 177   | 27 | 160±1   | M6  | 55 | 16   | 12 | 2000   | 2250   | 8      | 13     | 90  |
| 37342 | M.643/190 B-M8     | 177   | 27 | 160±1   | M8  | 55 | 16   | 13 | 2000   | 2250   | 8      | 13     | 91  |
| 37343 | M.643/190 B-M10    | 177   | 27 | 160±1   | M10 | 55 | 16   | 17 | 2000   | 2250   | 8      | 13     | 92  |
| 37351 | M.643/200 B-M8     | 196   | 27 | 179±1   | M8  | 57 | 16   | 13 | 1900   | 2000   | 11     | 13     | 130 |
| 37352 | M.643/200 B-M10    | 196   | 27 | 179±1   | M10 | 57 | 16   | 17 | 1900   | 2000   | 11     | 13     | 132 |
| 37356 | M.643/210 B-M8     | 209.5 | 28 | 192±1   | M8  | 58 | 17   | 13 | 2000   | 2100   | 14     | 15     | 98  |
| 37357 | M.643/210 B-M10    | 209.5 | 28 | 192±1   | M10 | 58 | 17   | 17 | 2100   | 2100   | 14     | 15     | 97  |
| 37361 | M.643/260 B-M8     | 253   | 29 | 235±1   | M8  | 61 | 18.5 | 13 | 1900   | 2000   | 13     | 12     | 173 |
| 37362 | M.643/260 B-M10    | 253   | 29 | 235±1   | M10 | 61 | 18.5 | 17 | 1900   | 2000   | 13     | 12     | 171 |
| 37371 | M.643/320 B-M10    | 322   | 32 | 300±1   | M10 | 64 | 22   | 17 | 2000   | 2000   | 18     | 11     | 205 |



| Conversion Table  |      |     |      |
|-------------------|------|-----|------|
| 1 mm = 0,039 inch |      |     |      |
| L                 |      |     |      |
| mm                | inch | mm  | inch |
| 100               | 3.94 | 148 | 5.83 |
| 134               | 5.28 | 196 | 7.72 |



M.643R

METRIC

| Code  | Description     | L   | l  | f     | d6H | h  | B  | p  | F1 [N] | F2 [N] | L1 [J] | L2 [J] | ⚖   |
|-------|-----------------|-----|----|-------|-----|----|----|----|--------|--------|--------|--------|-----|
| 37353 | M.643R/200 B-M8 | 196 | 27 | 179±1 | M8  | 45 | 15 | 13 | 4000   | 3500   | 25     | 25     | 118 |

M.643-FM

| Code   | Description      | L   | l  | f       | d   | d1   | h  | h1  | h2   | B  | F1 [N] | F2 [N] | L1 [J] | L2 [J] | ⚖  |
|--------|------------------|-----|----|---------|-----|------|----|-----|------|----|--------|--------|--------|--------|----|
| 137301 | M.643 FM/100 B-5 | 100 | 23 | 86±0.5  | 5.4 | 8.5  | 44 | 5.5 | 20.5 | 14 | 3000   | 2200   | 11     | 9      | 45 |
| 137311 | M.643 FM/140 B-6 | 134 | 25 | 117±0.5 | 6.4 | 10.5 | 49 | 6   | 21   | 15 | 2000   | 2800   | 11     | 9      | 64 |
| 137331 | M.643 FM/150 B-6 | 148 | 26 | 132±0.5 | 6.4 | 10.5 | 53 | 8.5 | 23.5 | 16 | 1900   | 1900   | 11     | 9      | 70 |
| 137351 | M.643 FM/200 B-6 | 196 | 27 | 179±1   | 6.4 | 10.5 | 57 | 6   | 21   | 16 | 1900   | 1900   | 11     | 13     | 89 |