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MATERIAL

Glass-fibre reinforced polyamide based (PA) technopolymer, black colour, matte finish.

SELF-ADHESIVE FRONT PLATE

Anodised aluminium.

STANDARD EXECUTIONS

- **MT.**: with revolving handle l.780+x (see page -) in technopolymer. Black-oxide steel hub, H9 blind hole or H7 reamed pass-through hole.
- **MT-AS**: with revolving handle l.780+x (see page -) in technopolymer. Black-oxide steel boss with H9 square pass-through hole.
- MT.50-AS H9 square pass-through hole with brass reinforcement.
- **MT+HR**: with fold-away handle IR.780 (see page -). Black-oxide steel hub, H9 blind hole or H7 reamed pass-through hole.

FEATURES AND APPLICATIONS

The reticular structure of the crank arm and the technopolymer used make this handle very strong and therefore suitable for transmitting high torque values.

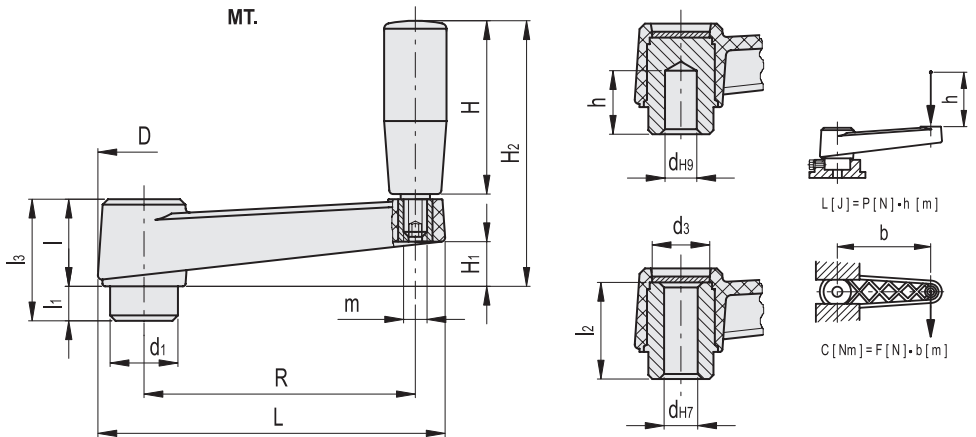
ACCESSORIES ON REQUEST

Axial retaining washer GN 184 (see page 677).



ELESA Original design design80

| Conversion Table 1 mm = 0.039 inch | |
|---------------------------------------|------|
| R | |
| mm | inch |
| 50 | 1.95 |
| 64 | 2.50 |
| 80 | 3.12 |
| 100 | 3.90 |
| 130 | 5.07 |
| 160 | 6.24 |
| 210 | 8.19 |



MT.

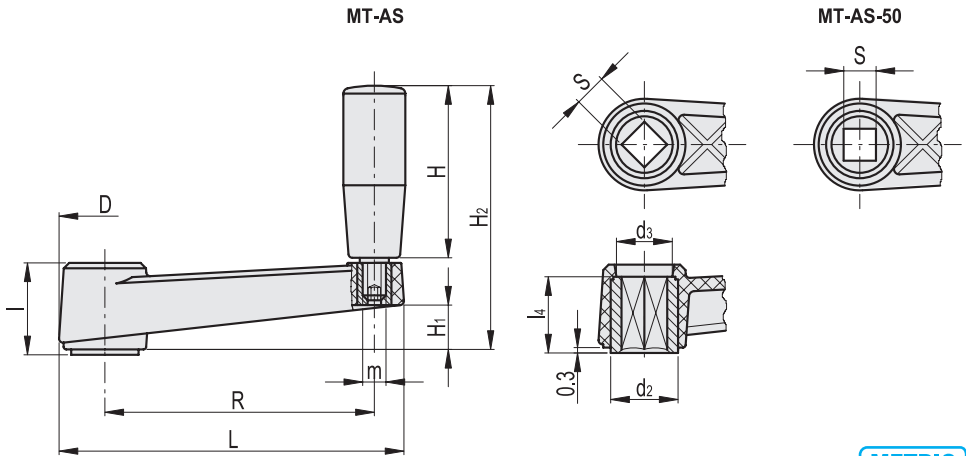
METRIC

| Code | Description | R | dH7 | dH9 | L | D | d1 | d3 | l | l1 | l2 | l3 | h | H | H1 | H2 | m | C# [Nm] | L# [J] | Δ |
|-------|-------------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|-----|-----|------------|-----------|-----|
| 44051 | MT.50 A-6 | 50 | 6 | - | 69 | 23 | 16 | 13 | 21 | 10 | 28 | 31 | - | 28 | 10 | 49 | - | 60 | 7 | 65 |
| 44091 | MT.64 | 64 | - | 6 | 86 | 27 | 18 | 16 | 23 | 10 | 29 | 33 | 18 | 40 | 10 | 63 | M6 | 120 | 11 | 100 |
| 44101 | MT.64 A-8 | 64 | 8 | - | 86 | 27 | 18 | 16 | 23 | 10 | 29 | 33 | - | 40 | 10 | 63 | M6 | 120 | 11 | 95 |
| 44102 | MT.64-A10 | 64 | 10 | - | 86 | 27 | 18 | 16 | 23 | 10 | 29 | 33 | - | 40 | 10 | 63 | M6 | 120 | 11 | 93 |
| 44191 | MT.80 | 80 | - | 6 | 105 | 30 | 22 | 17 | 26 | 10 | 32 | 36 | 26 | 50 | 13 | 76 | M6 | 180 | 15 | 145 |
| 44201 | MT.80 A-10 | 80 | 10 | - | 105 | 30 | 22 | 17 | 26 | 10 | 32 | 36 | - | 50 | 13 | 76 | M6 | 180 | 15 | 130 |
| 44291 | MT.100 | 100 | - | 8 | 128 | 34 | 24 | 21 | 30 | 10 | 37 | 40 | 28 | 65 | 15 | 96 | M8 | 200 | 27 | 240 |
| 44301 | MT.100 A-12 | 100 | 12 | - | 128 | 34 | 24 | 21 | 30 | 10 | 37 | 40 | - | 65 | 15 | 96 | M8 | 200 | 27 | 225 |
| 44391 | MT.130 | 130 | - | 10 | 162 | 40 | 28 | 25 | 35 | 14 | 44 | 49 | 30 | 80 | 20 | 115 | M8 | 350 | 45 | 345 |
| 44401 | MT.130 A-14 | 130 | 14 | - | 162 | 40 | 28 | 25 | 35 | 14 | 44 | 49 | - | 80 | 20 | 115 | M8 | 350 | 45 | 310 |
| 44491 | MT.160 | 160 | - | 10 | 198 | 45 | 34 | 27 | 40 | 15 | 49 | 55 | 30 | 90 | 23 | 130 | M10 | 450 | 55 | 495 |
| 44501 | MT.160 A-16 | 160 | 16 | - | 198 | 45 | 34 | 27 | 40 | 15 | 49 | 55 | - | 90 | 23 | 130 | M10 | 450 | 55 | 435 |
| 44601 | MT.210 | 212 | - | 12 | 252 | 50 | 40 | 31 | 45 | 15 | 53 | 60 | 30 | 90 | 26 | 136 | M10 | 950 | 80 | 705 |

Handwheels and crank handles

For maximum applicable torque (C) and impact strength (L) see Technical data on page A-3.

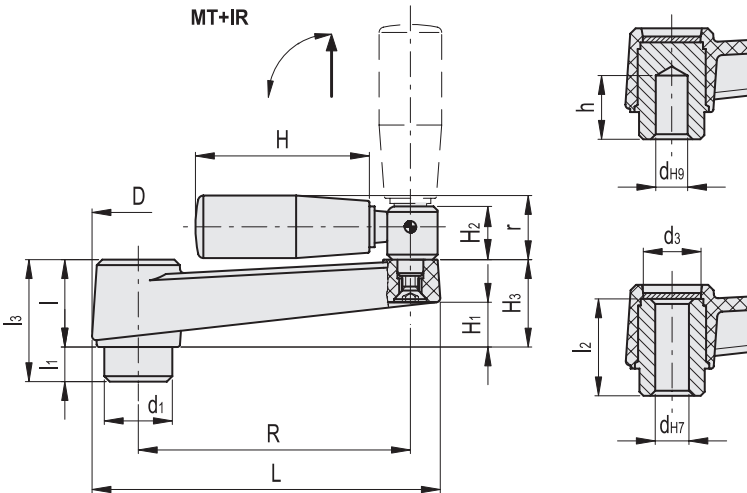
| Conversion Table | |
|-------------------|------|
| 1 mm = 0.039 inch | |
| R | |
| mm | inch |
| 50 | 1.95 |
| 64 | 2.50 |
| 80 | 3.12 |
| 100 | 3.90 |
| 130 | 5.07 |
| 160 | 6.24 |
| 212 | 8.27 |



MT-AS

METRIC

| Code | Description | R | SH9 | L | D | d2 | d3 | l | l4 | H | H1 | H2 | m | C# [Nm] | L# [J] | ⚖ |
|-------|-----------------|-----|-----|-----|----|----|----|----|----|----|----|-----|-----|---------|--------|-----|
| 44052 | MT.50 AS-6x6 | 50 | 6 | 69 | 23 | - | 13 | 21 | 18 | 28 | 10 | 49 | - | 60 | 7 | 35 |
| 44111 | MT.64 AS-8x8 | 64 | 8 | 86 | 27 | 18 | 16 | 23 | 19 | 40 | 10 | 63 | M6 | 120 | 11 | 78 |
| 44211 | MT.80 AS-10x10 | 80 | 10 | 105 | 30 | 20 | 17 | 26 | 22 | 50 | 13 | 76 | M6 | 180 | 15 | 105 |
| 44311 | MT.100 AS-12x12 | 100 | 12 | 128 | 34 | 25 | 21 | 30 | 27 | 65 | 15 | 96 | M8 | 200 | 27 | 190 |
| 44411 | MT.130 AS-14x14 | 130 | 14 | 162 | 40 | 28 | 25 | 35 | 30 | 80 | 20 | 115 | M8 | 350 | 45 | 255 |
| 44511 | MT.160 AS-17x17 | 160 | 17 | 198 | 45 | 30 | 27 | 40 | 34 | 90 | 23 | 130 | M10 | 450 | 55 | 335 |



MT+IR

METRIC

| Code | Description | R | dH7 | dH9 | L | D | d1 | d3 | l | l1 | l2 | l3 | h | H | H1 | H2 | H3 | r | C# [Nm] | L# [J] | ⚖ |
|-------|----------------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|--------|-----|
| 44216 | MT.80+IR | 80 | - | 6 | 105 | 30 | 22 | 17 | 26 | 10 | 32 | 36 | 26 | 56 | 13 | 15 | 27 | 19 | 180 | 15 | 177 |
| 44221 | MT.80+IRA-10 | 80 | 10 | - | 105 | 30 | 22 | 17 | 26 | 10 | 32 | 36 | - | 56 | 13 | 15 | 27 | 19 | 180 | 15 | 163 |
| 44316 | MT.100+IR | 100 | - | 8 | 128 | 34 | 24 | 21 | 30 | 10 | 37 | 40 | 28 | 65 | 15 | 20 | 31 | 22 | 200 | 27 | 285 |
| 44321 | MT.100+IR A-12 | 100 | 12 | - | 128 | 34 | 24 | 21 | 30 | 10 | 37 | 40 | - | 65 | 15 | 20 | 31 | 22 | 200 | 27 | 265 |
| 44416 | MT.130+IR | 130 | - | 10 | 162 | 40 | 28 | 25 | 35 | 14 | 44 | 49 | 30 | 65 | 20 | 20 | 35 | 22 | 350 | 45 | 385 |
| 44421 | MT.130+IR A-14 | 130 | 14 | - | 162 | 40 | 28 | 25 | 35 | 14 | 44 | 49 | - | 65 | 20 | 20 | 35 | 22 | 350 | 45 | 340 |
| 44516 | MT.160+IR | 160 | - | 10 | 198 | 45 | 34 | 27 | 40 | 15 | 49 | 55 | 30 | 80 | 23 | 20 | 40 | 24 | 450 | 55 | 525 |
| 44521 | MT.160+IR A-16 | 160 | 16 | - | 198 | 45 | 34 | 27 | 40 | 15 | 49 | 55 | - | 80 | 23 | 20 | 40 | 24 | 450 | 55 | 473 |
| 44621 | MT.210+IR | 212 | - | 12 | 252 | 50 | 40 | 31 | 45 | 15 | 53 | 60 | 30 | 90 | 26 | 23 | 46 | 27 | 950 | 80 | 840 |

For maximum applicable torque (C) and impact strength (L) see Technical data on page A-3.