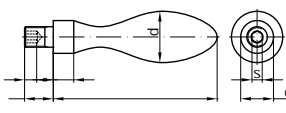
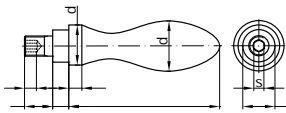


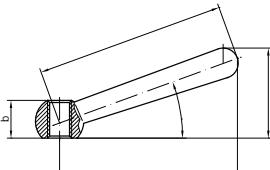


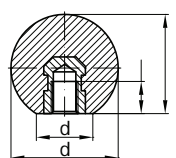
Dimensions for handles

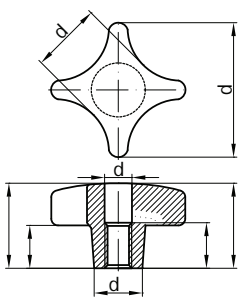
Grips

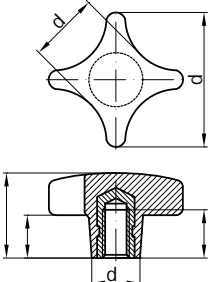
| DIN | Dimensions | M 4 | M 5 | M 6 | M 8 | M 10 | M 12 | M 16 |
|---------------------------------------------------------------------------------------------------------------------------------|------------|-----|-----|-----|-----|------|------|------|
| 39 E  type E: with threaded shank | d_1 | 10 | 13 | 16 | 20 | 25 | 32 | 36 |
| | d_4 | 7 | 8 | 10 | 13 | 16 | 20 | 22 |
| | l_1 | 32 | 40 | 50 | 64 | 80 | 100 | 112 |
| | l_2 | 7 | 9 | 11 | 13 | 14 | 21 | 26 |
| | l_3 | 4 | 5 | 7 | 8 | 10 | 13 | 14 |
| | s | 2 | 2.5 | 3 | 4 | 5 | 6 | 8 |
| | t | 2.5 | 3 | 3.5 | 5 | 6 | 8 | 10 |

| DIN | Dimensions | M 6 | M 8 | M 10 | M 12 | M 16 |
|---------------------------------------------------------------------------------------------------------------------------------|------------|-----|-----|------|------|------|
| 98 E  type E: with threaded shank | d_1 | 16 | 20 | 25 | 32 | 36 |
| | d_4 | 10 | 13 | 16 | 20 | 22 |
| | d_5 | 14 | 18 | 21 | 26 | 29 |
| | l_1 | 49 | 61 | 75 | 96 | 106 |
| | l_2 | 11 | 13 | 14 | 21 | 26 |
| | l_3 | 5.5 | 6 | 8 | 10.5 | 11 |
| | l_4 | 5 | 6 | 6.5 | 8 | 9 |
| | s | 3 | 4 | 5 | 6 | 8 |
| t | 3.5 | 5 | 6 | 8 | 10 | |

| DIN | Dimensions | M 5 | M 8 | M 10 | M 12 | M 16 | M 20 | M 24 |
|---------------------------------------------------------------------------------------------------|------------|-----|------|------|------|------|------|------|
| 99 N  | l_1 | 40 | 63 | 80 | 100 | 125 | 160 | 200 |
| | b_2 | 7.5 | 12.5 | 15 | 19 | 25 | 31 | 41 |
| | h | 19 | 30.5 | 38 | 47 | 59.5 | 75.7 | 97 |
| | l_2 | 38 | 60 | 76 | 95 | 119 | 152 | 190 |

| DIN | Dimensions | M 4 | M 5 | M 6 | M 8 | M 10 | M 12 |
|---------------------------------------------------------------------------------------------------|------------|-----|-----|------|-----|------|------|
| 319  | d_1 | 16 | 20 | 25 | 32 | 40 | 50 |
| | d_6 | 8 | 12 | 15 | 18 | 22 | 28 |
| | t_3 | 6 | 7.5 | 9 | 12 | 15 | 18 |
| | h | 15 | 18 | 22.5 | 29 | 37 | 46 |

| DIN | Dimensions | M 6 | M 8 | M 10 | M 12 | M 16 | M 20 |
|----------------------------------------------------------------------------------------------------------------------------------------|------------|-----|-----|------|------|------|------|
| 6335 D  type D: with continuous thread | d_1 | 32 | 40 | 50 | 63 | 80 | 100 |
| | d_2 | 12 | 14 | 18 | 20 | 25 | 32 |
| | d_3 | 18 | 21 | 25 | 32 | 40 | 48 |
| | d_6 | 6.4 | 8.4 | 10.5 | 13 | 17 | 21 |
| | h_1 | 21 | 26 | 34 | 42 | 52 | 65 |
| | h_3 | 10 | 14 | 20 | 25 | 30 | 38 |
| | t_2 | 10 | 13 | 16 | 20 | 20 | 25 |

| DIN | Dimensions | M 5 | M 6 | M 8 | M 10 | M 12 | M 16 |
|------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|-----|-----|------|------|------|
| 6335 K  type K: with threaded bush | d_1 | 25 | 32 | 40 | 50 | 63 | 80 |
| | d_3 | 15 | 18 | 21 | 25 | 32 | 40 |
| | d_7 | 12 | 14 | 18 | 22 | 26 | 35 |
| | h_3 | 8 | 10 | 13 | 20 | 25 | 30 |
| | h_4 | 16 | 20 | 25 | 32 | 40 | 50 |
| | $t_{3 \min}$ | 9.5 | 12 | 14 | 18 | 22 | 30 |