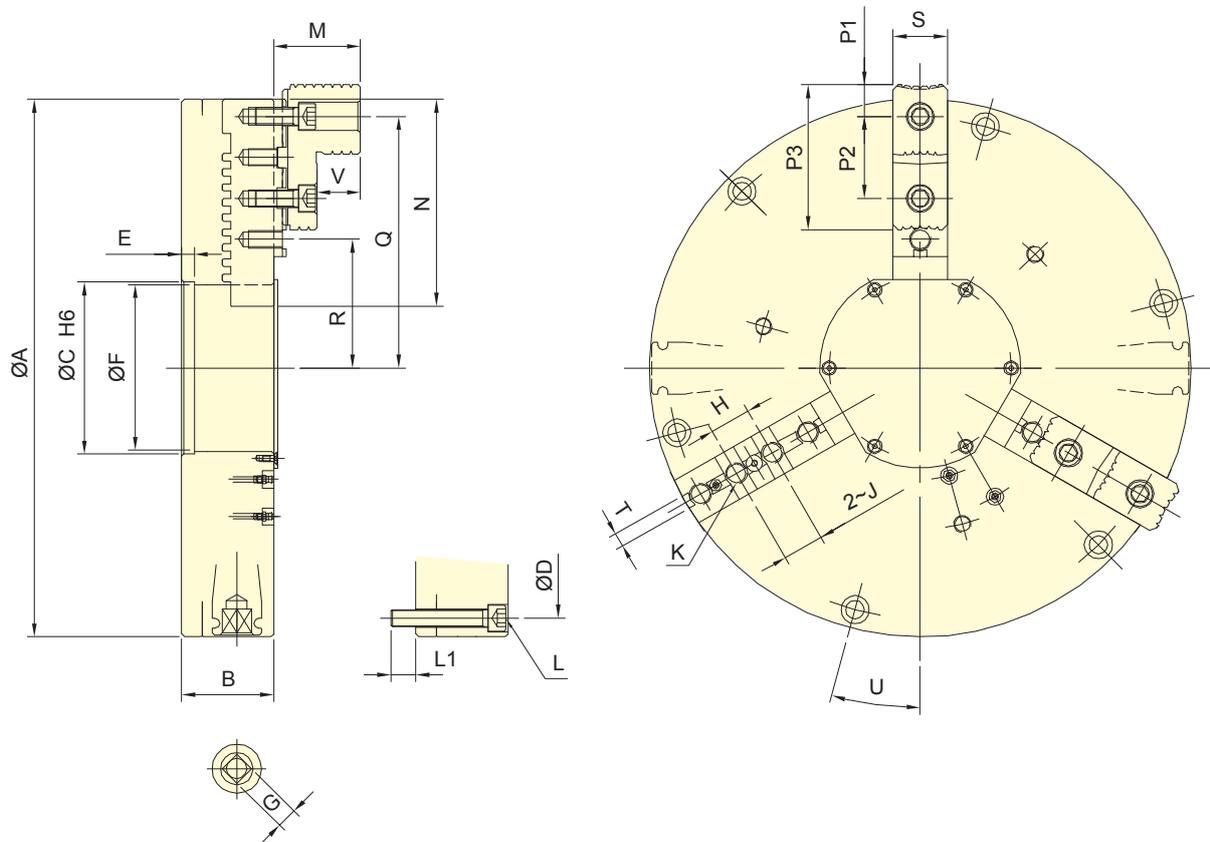


- Thin and lightweight design and increase the z-axis machining range.
- With the center hole cover and dustproof design for the accuracy and service life of the chuck.
- For 5-axis indexing plates and milling machines.
- 3MF series are not designed for the vertical or horizontal lathes, unless there is a rigid plate and providing adequate support rigidity and strength.



MANUAL CHUCKS



Subject to technical changes

## SPECIFICATIONS

| Model         | Jaw stroke (Dia.) | Chucking Dia. Max. | Chucking Dia. Min. | Max. allowable torque | Max. clamping force | Max. speed                 | Weight |
|---------------|-------------------|--------------------|--------------------|-----------------------|---------------------|----------------------------|--------|
|               | mm                | mm                 | mm                 | N. m (kgf. m)         | kN (kgf)            | min <sup>-1</sup> (r.p.m.) | kg     |
| <b>3MF-16</b> | 60                | 350                | 95                 | 175 (17.8)            | 59 (6000)           | 1450                       | 66.9   |
| <b>3MF-20</b> | 80                | 450                | 135                | 170 (17.3)            | 71.2 (7300)         | 1150                       | 121    |

## DIMENSIONS

| Model         | A   | B  | C (H6) | D   | E  | F   | G    | H    | J (H7) | K     | L     | L1 | M  |
|---------------|-----|----|--------|-----|----|-----|------|------|--------|-------|-------|----|----|
| <b>3MF-16</b> | 400 | 80 | 140    | 375 | 10 | 135 | □ 14 | 27   | 19.03  | 4~M12 | 6~M12 | 23 | 60 |
| <b>3MF-20</b> | 500 | 85 | 170    | 465 | 12 | 160 | □ 19 | 38.1 | 19.03  | 4~M16 | 6~M16 | 23 | 80 |

| Model         | N     | P1    | P2   | P3    | Q max. | Q min. | R max. | R min. | S  | T (h8) | U   | V  |
|---------------|-------|-------|------|-------|--------|--------|--------|--------|----|--------|-----|----|
| <b>3MF-16</b> | 148.5 | 27.16 | 54   | 112.5 | 184.5  | 164    | 103    | 62     | 40 | 12.7   | 15° | 28 |
| <b>3MF-20</b> | 192.5 | 29.5  | 76.2 | 135   | 254    | 214    | 139.7  | 99.7   | 50 | 12.7   | 15° | 40 |