



# TF3BA- SERIES



三爪高速中空油壓夾頭(包含連接板)

3-JAW HIGH SPEED WEDGE TYPE THROUGH HOLE POWER CHUCK  
(with ADAPTOR)

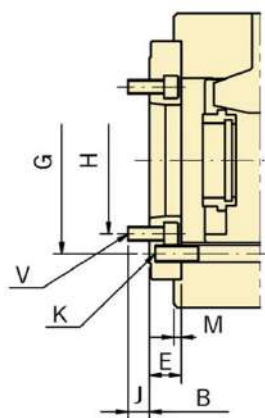


Fig. 2

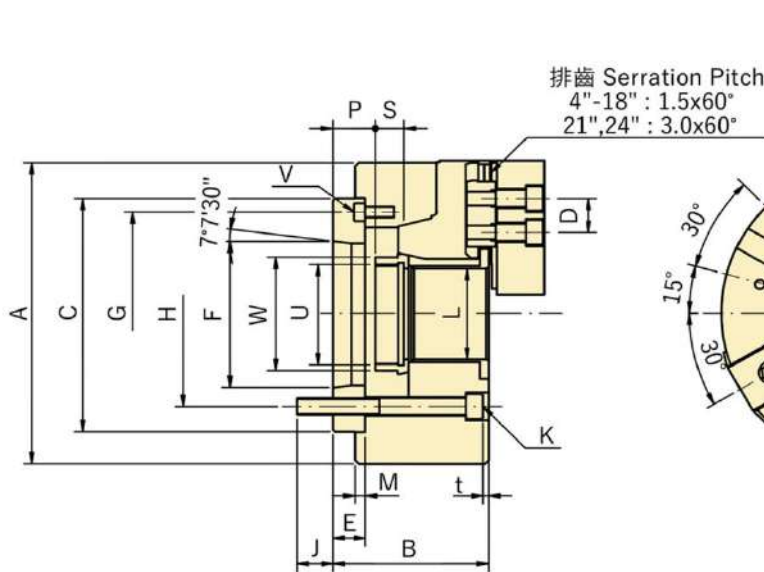
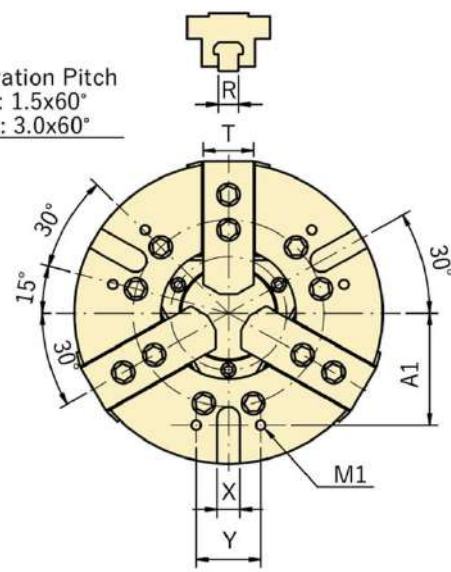


Fig. 1



## SPECIFICATION

| MODEL      | 通孔徑<br>Hole<br>Diameter<br>(mm) | 爪行程<br>(直徑)<br>Jaw Stroke (Dia.)<br>(mm) | 柱塞行程<br>Plunger<br>Stroke<br>(mm) | 把握徑<br>Clamping Dia.<br>Max. (mm) Min. (mm) | 最高轉數<br>Max.<br>Rotation<br>Speed<br>(r.p.m.) | 最大拉桿推力<br>Max. Draw Bar<br>Pull Force<br>(kgf) | 把握力<br>Max.<br>Clamping<br>Force<br>(kgf) | 慣性矩<br>Moment of<br>Inertia<br>(kg·m <sup>2</sup> ) | 重量<br>Weight<br>(KG) | 搭配油壓缸<br>Matching<br>Hydraulic<br>Cylinder | 最高使用壓力<br>Max. Pressure of<br>Hydraulic Cylinder<br>(kgf/cm <sup>2</sup> ) | 搭配生爪<br>Matching<br>Soft Jaw | 搭配硬爪<br>Matching<br>Hard Jaw |
|------------|---------------------------------|------------------------------------------|-----------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|-------------------------------------------|-----------------------------------------------------|----------------------|--------------------------------------------|----------------------------------------------------------------------------|------------------------------|------------------------------|
| TF3B-5A4   | 33                              | 5.4                                      | 10                                | 135 10                                      | 7000                                          | 1700                                           | 3600                                      | 0.020                                               | 6.9                  | RC-5                                       | 29.6                                                                       | HC-05                        | HJ-05                        |
| TF3B-6A5   | 45                              | 5.5                                      | 12                                | 165 10                                      | 6000                                          | 2200                                           | 5700                                      | 0.062                                               | 14.2                 | RC-6                                       | 28.5                                                                       | HC-06                        | HJ-06                        |
| TF3B-8A5   | 52                              | 7.4                                      | 16                                | 210 12                                      | 4900                                          | 3400                                           | 8800                                      | 0.190                                               | 25.8                 | RC-8                                       | 26.5                                                                       | HC-08                        | HJ-08                        |
| TF3B-8A6   | 52                              | 7.4                                      | 16                                | 210 12                                      | 4900                                          | 3400                                           | 8800                                      | 0.184                                               | 24.05                | RC-8                                       | 26.5                                                                       | HC-08                        | HJ-08                        |
| TF3B-10A6  | 75                              | 8.8                                      | 19                                | 254 16                                      | 4200                                          | 4300                                           | 11000                                     | 0.370                                               | 40.9                 | RC-10                                      | 27.5                                                                       | HC-10                        | HJ-10                        |
| TF3B-10A8  | 75                              | 8.8                                      | 19                                | 254 16                                      | 4200                                          | 4300                                           | 11000                                     | 0.340                                               | 37.4                 | RC-10                                      | 27.5                                                                       | HC-10                        | HJ-10                        |
| TF3B-12A6  | 91                              | 10.6                                     | 23                                | 304 38                                      | 3300                                          | 5500                                           | 14300                                     | 0.809                                               | 61.5                 | RC-12                                      | 27.5                                                                       | HC-12                        | HJ-12                        |
| TF3B-12A8  | 91                              | 10.6                                     | 23                                | 304 38                                      | 3300                                          | 5500                                           | 14300                                     | 0.770                                               | 59.5                 | RC-12                                      | 27.5                                                                       | HC-12                        | HJ-12                        |
| TF3B-15A8  | 117.5                           | 10.6                                     | 23                                | 381 40                                      | 2500                                          | 7240                                           | 18355                                     | 2.255                                               | 134                  | RC-15                                      | 23.5                                                                       | HC-15                        | HJ-15                        |
| TF3B-15A11 | 117.5                           | 10.6                                     | 23                                | 381 40                                      | 2500                                          | 7240                                           | 18355                                     | 2.241                                               | 127                  | RC-15                                      | 23.5                                                                       | HC-15                        | HJ-15                        |
| TF3B-18A11 | 117.5                           | 10.6                                     | 23                                | 450 40                                      | 2000                                          | 7240                                           | 18355                                     | 3.744                                               | 171                  | RC-15                                      | 23.5                                                                       | HC-15                        | HJ-15                        |
| TF3B-21A11 | 170                             | 13                                       | 28                                | 530 50                                      | 1700                                          | 9177                                           | 23861                                     | 8.893                                               | 238                  | RC-2816                                    | 30.5                                                                       | HC-21                        | HJ-21                        |
| TF3B-21A15 | 170                             | 13                                       | 28                                | 530 50                                      | 1700                                          | 9177                                           | 23861                                     | 9.023                                               | 235                  | RC-2816                                    | 30.5                                                                       | HC-21                        | HJ-21                        |
| TF3B-24A11 | 170                             | 13                                       | 28                                | 610 50                                      | 1400                                          | 9177                                           | 23861                                     | 18.199                                              | 296                  | RC-2816                                    | 30.5                                                                       | HC-21                        | HJ-21                        |
| TF3B-24A15 | 170                             | 13                                       | 28                                | 610 50                                      | 1400                                          | 9177                                           | 23861                                     | 17.376                                              | 293                  | RC-2816                                    | 30.5                                                                       | HC-21                        | HJ-21                        |

## DIMENSION

| MODEL      | A   | B   | G H6   | D  | E  | F       | C H6 | H      | J    | K     | L     | M | P<br>Max. Min. |      | R  | S    | T  | U MAX    | V     | W   | X  | Y   | A1  | M1  | t | Ref.<br>Figure |
|------------|-----|-----|--------|----|----|---------|------|--------|------|-------|-------|---|----------------|------|----|------|----|----------|-------|-----|----|-----|-----|-----|---|----------------|
| TF3B-5A4   | 135 | 71  | 96     | 14 | 15 | 63.513  | 110  | 82.55  | 15.5 | 3xM10 | 33    | 4 | 16             | 6    | 10 | 20   | 23 | M40x1.5  | 3xM6  | 45  | 12 | 30  | 52  | M6  | 5 | Fig. 1         |
| TF3B-6A5   | 169 | 91  | 116    | 20 | 15 | 82.563  | 140  | 104.78 | 16   | 6xM10 | 45    | 5 | 26             | 14   | 12 | 19   | 32 | M55x2.0  | 3xM6  | 60  | 16 | 36  | 65  | M8  | 5 | Fig. 1         |
| TF3B-8A5   | 210 | 109 | 133.35 | 25 | 22 | 82.563  | 170  | 104.78 | 13   | 6xM12 | 52    | 5 | 37.5           | 21.5 | 14 | 20.5 | 37 | M60x2.0  | 6xM10 | 66  | 16 | 45  | 80  | M8  | 5 | Fig. 2         |
| TF3B-8A6   | 210 | 103 | 150    | 25 | 17 | 106.375 | 170  | 133.35 | 19   | 6xM12 | 52    | 5 | 31.5           | 15.5 | 14 | 20.5 | 37 | M60x2.0  | 3xM6  | 66  | 16 | 45  | 80  | M8  | 5 | Fig. 1         |
| TF3B-10A6  | 254 | 120 | 171.45 | 30 | 25 | 106.375 | 220  | 133.35 | 18   | 6xM16 | 75    | 5 | 33.5           | 14.5 | 16 | 25   | 42 | M85x2.0  | 6xM12 | 94  | 16 | 60  | 102 | M10 | 5 | Fig. 2         |
| TF3B-10A8  | 254 | 113 | 190    | 30 | 18 | 139.719 | 220  | 171.45 | 24   | 6xM16 | 75    | 5 | 26.5           | 7.5  | 16 | 25   | 42 | M85x2.0  | 6xM8  | 94  | 16 | 60  | 102 | M10 | 5 | Fig. 1         |
| TF3B-12A6  | 304 | 129 | 190    | 30 | 25 | 106.375 | 220  | 133.35 | 25   | 6xM16 | 91    | 6 | 33             | 10   | 21 | 28   | 52 | M100x2.0 | 6xM12 | 108 | 20 | 60  | 100 | M10 | 5 | Fig. 2         |
| TF3B-12A8  | 304 | 122 | 190    | 30 | 18 | 139.719 | 220  | 171.45 | 25   | 6xM16 | 91    | 6 | 26             | 3    | 21 | 28   | 52 | M100x2.0 | 6xM8  | 108 | 20 | 60  | 100 | M10 | 5 | Fig. 1         |
| TF3B-15A8  | 381 | 160 | 235    | 43 | 33 | 139.719 | 300  | 171.45 | 24   | 6xM20 | 117.5 | 6 | 40             | 17   | 24 | 39   | 62 | M130x2.0 | 6xM16 | 139 | 20 | 80  | 150 | M12 | 5 | Fig. 2         |
| TF3B-15A11 | 381 | 149 | 260    | 43 | 22 | 196.869 | 300  | 235    | 28   | 6xM20 | 117.5 | 6 | 34             | 11   | 24 | 39   | 62 | M130x2.0 | 3xM10 | 139 | 20 | 80  | 150 | M12 | 5 | Fig. 1         |
| TF3B-18A11 | 450 | 149 | 260    | 43 | 22 | 196.869 | 300  | 235    | 28   | 6xM20 | 117.5 | 6 | 33             | 10   | 24 | 39   | 62 | M130x2.0 | 3xM10 | 139 | 20 | 80  | 150 | M12 | 5 | Fig. 1         |
| TF3B-21A11 | 530 | 183 | 330.2  | 60 | 41 | 196.869 | 380  | 235    | 30   | 6xM22 | 170   | 6 | 57             | 29   | 25 | 40   | 65 | M180x3.0 | 6xM12 | 207 | 20 | 100 | 200 | M12 | 5 | Fig. 2         |
| TF3B-21A15 | 530 | 169 | 330.2  | 60 | 27 | 285.75  | 380  | 330.2  | 30   | 6xM22 | 170   | 6 | 43             | 15   | 25 | 40   | 65 | M180x3.0 | 6xM12 | 207 | 20 | 100 | 200 | M12 | 5 | Fig. 1         |
| TF3B-24A11 | 610 | 183 | 330.2  | 60 | 41 | 196.869 | 380  | 235    | 30   | 6xM22 | 170   | 6 | 57             | 29   | 25 | 40   | 65 | M180x3.0 | 6xM12 | 207 | 20 | 100 | 200 | M12 | 5 | Fig. 2         |
| TF3B-24A15 | 610 | 169 | 330.2  | 60 | 27 | 285.75  | 380  | 330.2  | 30   | 6xM22 | 170   | 6 | 43             | 15   | 25 | 40   | 65 | M180x3.0 | 6xM12 | 207 | 20 | 100 | 200 | M12 | 5 | Fig. 1         |