

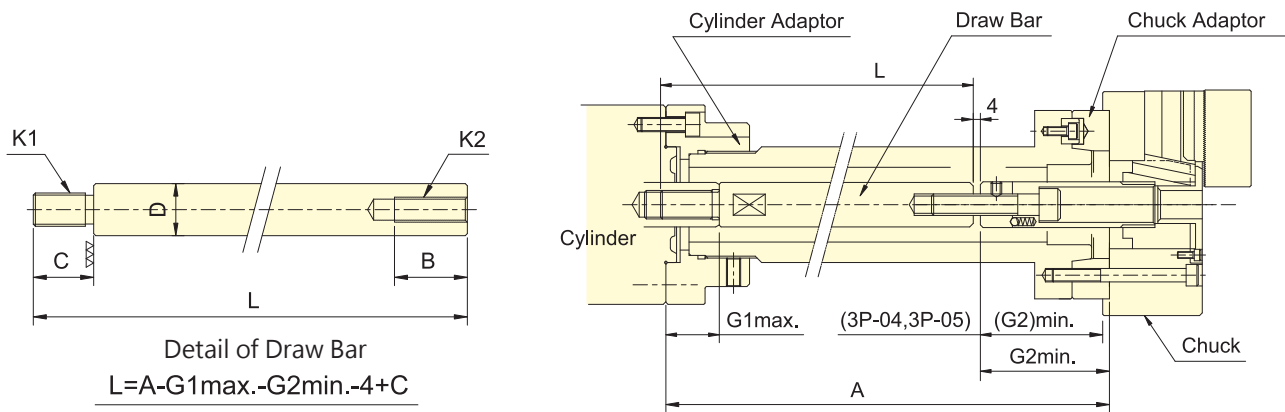
Subject to technical changes

SPECIFICATIONS

| Chuck type | Cylinder type | G1<br>max. | H  | M3 | M2 | G2<br>max. | M1 | H1     | O1   |     | K<br>max.        | E<br>min. | L |         |
|------------|---------------|------------|----|----|----|------------|----|--------|------|-----|------------------|-----------|---|---------|
|            |               |            |    |    |    |            |    |        | (f7) |     |                  |           |   |         |
| 3H-12      | A8            | TK-A1291   | 30 | 23 | 12 | 35         | 28 | M100x2 | 35   | 95  | -0.036<br>-0.071 | M100x2    | 5 | A+56+12 |
| 3H-15      | A11           | TK-A1512   | 30 | 33 | 12 | 45         | 33 | M130x2 | 45   | 125 | -0.043<br>-0.083 | M130x2    | 5 | A+81+12 |
| 3H-18      | A11           | TK-A1512   | 30 | 33 | 12 | 45         | 33 | M130x2 | 45   | 125 | -0.043<br>-0.083 | M130x2    | 5 | A+81+12 |

| Chuck type | Cylinder type | G1<br>max. | H  | M3   | M2 | G2<br>max. | M1   | H1      | O1   |     | K<br>max.        | E<br>min. | L |           |
|------------|---------------|------------|----|------|----|------------|------|---------|------|-----|------------------|-----------|---|-----------|
|            |               |            |    |      |    |            |      |         | (f7) |     |                  |           |   |           |
| 3H-204     | A4            | TK-A528    | 12 | 14.5 | 10 | 25         | 31.5 | M38x1.5 | 20   | 35  | -0.025<br>-0.05  | M40x1.5   | 5 | A+59+10   |
| 3H-205     | A4            | TK-A533    | 12 | 17   | 10 | 25         | 16   | M38x1.5 | 25   | 35  | -0.025<br>-0.05  | M45x1.5   | 5 | A+46+10   |
| 3H-206     | A5            | TK-A646    | 15 | 14   | 10 | 25         | 28   | M55x2   | 20   | 50  | -0.025<br>-0.05  | M60x2     | 5 | A+52+10   |
| 3H-208     | A6            | TK-A853    | 20 | 16.5 | 12 | 30         | 33.5 | M60x2   | 20   | 55  | -0.03<br>-0.06   | M75x2     | 5 | A+60+12   |
| 3H-210     | A8            | TK-A1075   | 25 | 21   | 12 | 35         | 28.5 | M85x2   | 25   | 80  | -0.03<br>-0.06   | M95x2     | 5 | A+59.5+12 |
| 3H-212     | A11           | TK-A1512   | 30 | 23   | 12 | 45         | 32   | M130x2  | 30   | 125 | -0.043<br>-0.083 | M115x2    | 5 | A+70+12   |
| 3H-215     | A8            | TK-2114    | 35 | 33   | 17 | 45         | 44   | M155x3  | 40   | 145 | -0.043<br>-0.083 | M115x2    | 5 | A+87+17   |
| 3H-215     | A11           | TK-2114    | 35 | 33   | 17 | 45         | 51   | M155x3  | 40   | 145 | -0.043<br>-0.083 | M155x3    | 5 | A+93+17   |
| 3H-215     | A15           | TK-2114    | 35 | 33   | 17 | 45         | 38   | M155x3  | 40   | 145 | -0.043<br>-0.083 | M155x3    | 5 | A+81+17   |
| 3H-18B     | A15           | TK-2416    | 35 | 35   | 17 | 45         | 45   | M180x3  | 40   | 170 | -0.043<br>-0.083 | M175x3    | 5 | A+90+17   |
| 3H-221     | A15           | TK-2416    | 35 | 34   | 17 | 45         | 42   | M180x3  | 40   | 170 | -0.043<br>-0.083 | M190x3    | 5 | A+86+17   |
| 3H-224     | A20           | TK-2820    | 51 | 35   | 17 | 45         | 42   | M220x3  | 40   | 210 | -0.050<br>-0.096 | M225x3    | 5 | A+71+17   |
| 3H-232     | A20           | TK-2820    | 51 | 37   | 17 | 45         | 51   | M220x3  | 45   | 230 | -0.050<br>-0.096 | M295x3    | 5 | A+82+17   |

Note: To calculate the draw-tube length of 2H,4H as 3H ÷ 3H-2.



Subject to technical changes

### SPECIFICATIONS

| Chuck type | Cylinder type    | B  | C     | D     | G1   | G2   | K1            | K2       | L           |
|------------|------------------|----|-------|-------|------|------|---------------|----------|-------------|
|            |                  |    |       |       | max. | min. |               |          |             |
| 3P-04      | RK-75(N)/RA-130  | 30 | 30/20 | 30/25 | 45   | 3    | M20x2.5/M16x2 | M10x1.5  | A-22/A-32   |
| 3P-05      | RK-75(N)/RA-130  | 40 | 30/20 | 30/25 | 45   | -6   | M20x2.5/M16x2 | M12x1.75 | A-13/A-23   |
| 3P-06      | RK-100(N)/RA-170 | 40 | 30/25 | 30/25 | 45   | 81.5 | M20x2.5/M16x2 | M16x2    | A-101/A-106 |
| 3P-08      | RK-125(N)/RA-220 | 40 | 40/30 | 35/30 | 50   | 106  | M24x3/M20x2.5 | M20x2.5  | A-120/A-130 |
| 3P-10      | RK-125(N)/RA-220 | 40 | 40/30 | 35/30 | 50   | 133  | M24x3/M20x2.5 | M20x2.5  | A-147/A-157 |
| 3P-12      | RK-150(N)/RA-270 | 40 | 40/35 | 45/35 | 55   | 133  | M30x3.5/M24x3 | M20x2.5  | A-152/A-157 |
| 3P-215     | RK-200(N)/RH-200 | 60 | 55    | 55    | 70   | 69   | M36x4         | M30x3.5  | A-88        |
| 3P-218     | RK-200(N)/RH-200 | 60 | 55    | 55    | 70   | 57   | M36x4         | M30x3.5  | A-76        |
| 3P-221     | RK-200(N)/RH-200 | 60 | 55    | 55    | 70   | 62   | M36x4         | M30x3.5  | A-81        |
| 3P-224     | RK-200(N)/RH-200 | 60 | 55    | 55    | 70   | 62   | M36x4         | M30x3.5  | A-81        |

Note: To calculate the draw-bar length of 2P as 3P.

| Chuck type | Cylinder type | B  | C  | D  | G1   | G2   | K1      | K2       | L     |
|------------|---------------|----|----|----|------|------|---------|----------|-------|
|            |               |    |    |    | max. | min. |         |          |       |
| 3M-05      | RK-75(N)      | 40 | 30 | 30 | 45   | -2   | M20x2.5 | M12x1.75 | A-17  |
| 3M-06      | RK-100(N)     | 40 | 30 | 30 | 45   | 81.5 | M20x2.5 | M16x2    | A-101 |
| 3M-08      | RK-125(N)     | 40 | 40 | 35 | 50   | 106  | M24x3.0 | M20x2.5  | A-120 |
| 3M-10      | RK-150(N)     | 40 | 40 | 35 | 50   | 135  | M24x3.0 | M20x2.5  | A-148 |
| 3M-12      | RK-150(N)     | 50 | 40 | 45 | 55   | 40   | M30x3.5 | M24x3    | A-59  |

Note: To calculate the draw-bar length of 2M as 3M.