

## EXTRA LONG JAW STROKE POWER CHUCK

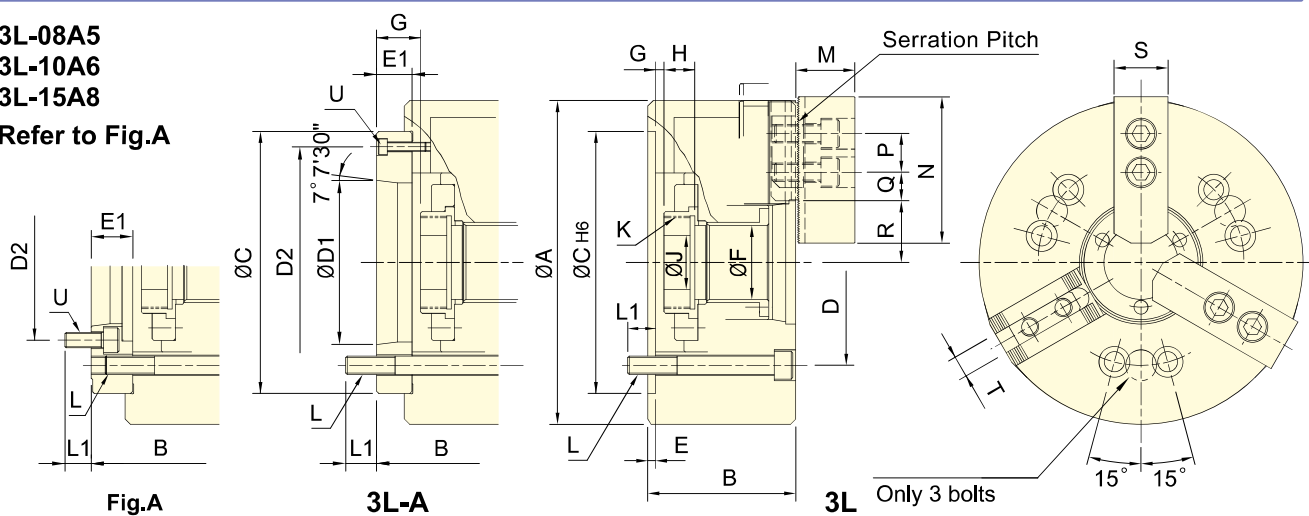


- It's a CRANK type 3-jaw with the large through-hole, and extra long jaw stroke.
- Mating surfaces of all parts hardened, ground and lubricated directly.
- Construction of high rigidity and high clamping accuracy.

■ J value is the hole diameter of blank draw nut, K is the maximum thread specification, and it could be customize.

3L-08A5  
3L-10A6  
3L-15A8

Refer to Fig.A



Subject to technical changes.

The dimensions and the specifications of **3L-A** type are in the **red data**.

| Spec. Model     | Plunger stroke mm | Jaw stroke(Dia.) mm | Chucking Dia. mm |    | Max. D.B. pull kN(kgf) | Max. clamping force kN(kgf) | Max. speed min <sup>-1</sup> (r.p.m) | I kg·m <sup>-2</sup> | Weight kg | Matching cyl. | Max. pressure Mpa (kgf/cm <sup>2</sup> ) |
|-----------------|-------------------|---------------------|------------------|----|------------------------|-----------------------------|--------------------------------------|----------------------|-----------|---------------|------------------------------------------|
| 3L-05 A4        | 12                | 18                  | 135              | 6  | 15.6(1590)             | 17.2(1750)                  | 4200                                 | 0.019                | 7.2       | 8.0           | TH-536 2.4(24)                           |
| 3L-06 A5        | 15                | 24                  | 168              |    | 23.5(2400)             | 26.0(2650)                  | 3600                                 | 0.063                | 13        | 14.8          | TH-646 2.7(27)                           |
| 3L-08 A5<br>A6  | 20                | 32                  | 210              | 10 | 34.3(3500)             | 35.0(3568)                  | 3000                                 | 0.175                | 23        | 25.9          | TH-852 2.6(26)                           |
|                 |                   |                     |                  |    |                        |                             |                                      |                      |           | 24.1          |                                          |
| 3L-10 A6<br>A8  | 25                | 37.5                | 254              | 18 | 47.7(4870)             | 35.0(3568)                  | 2400                                 | 0.347                | 38        | 45            | TH-1075 2.7(27)                          |
|                 |                   |                     |                  |    |                        |                             |                                      |                      |           | 43.5          |                                          |
| 3L-12 A8        | 30                | 45                  | 304              | 30 | 64.7(6600)             | 61.0(6220)                  | 2100                                 | 0.827                | 62        | 67.5          | TH-1291 2.8(28)                          |
| 3L-15 A8<br>A11 | 35                | 52                  | 385              | 50 | 84.3(8600)             | 68.0(6930)                  | 1600                                 | 2.58                 | 136       | 150           | TH-1512 2.6(26)                          |
|                 |                   |                     |                  |    |                        |                             |                                      |                      |           | 143           |                                          |

| Size<br>Model | A   | B   |     | C   | D     | D1     | D2    | E  | E1   | F    | G <sub>max.</sub> |      | G <sub>min.</sub> |      | H  | J  |
|---------------|-----|-----|-----|-----|-------|--------|-------|----|------|------|-------------------|------|-------------------|------|----|----|
| 3L-05 A4      | 135 | 65  | 76  | 110 | 82.6  | 63.51  | 96    | 4  | 15   | 32   | 1                 | 16   | -11               | 4    | 20 | 12 |
| 3L-06 A5      | 168 | 84  | 97  | 140 | 104.8 | 82.56  | 116   | 5  | 18   | 42   | 6.5               | 24.5 | -8.5              | 9.5  | 19 | 20 |
| 3L-08 A5      | 210 | 96  | 114 | 170 | 133.4 |        | 104.8 |    | 23   | 48   | 7                 | 30   | -13               | 10   | 20 | 30 |
|               |     |     |     |     |       | A6     | 150   |    | 25   | 70   | 8                 | 33   | -17               | 8    | 25 | 45 |
| 3L-10 A6      | 254 | 110 | 130 | 220 | 171.4 | 133.4  | 18    |    | 91   | 15   | 26                | -15  | 3                 | 28   | 50 |    |
| A8            |     |     | 123 |     |       | 190    |       |    |      |      | 33                |      | 10.5              |      |    |    |
| 3L-12 A8      | 304 | 127 | 140 | 300 | 235   | 139.72 | 171.4 | 6  | 33   | 120  | 12.5              | 45.5 | -22.5             | 10.5 | 39 | 60 |
| 3L-15 A8      | 385 | 150 | 177 |     |       | 196.87 | 260   | 22 | 34.5 | -0.5 |                   |      |                   |      |    |    |
| A11           |     |     | 166 |     |       |        |       |    |      |      |                   |      |                   |      |    |    |

| Size Model      | K max.  | L     | L1 |    | M  | N   | P  | Q max. | Q min. | R max. | R min. | S  | T    | U     |
|-----------------|---------|-------|----|----|----|-----|----|--------|--------|--------|--------|----|------|-------|
| 3L-05 A4        | M40x1.5 | 3~M10 | 15 | 15 | 31 | 62  | 14 | 23     | 13.75  | 31     | 22     | 25 | 10   | 3~M6  |
| 3L-06 A5        | M55x2   | 6~M10 |    |    | 37 | 73  | 20 | 25.75  |        | 39     | 27     | 31 | 12   |       |
| 3L-08 A5<br>A6  | M60x2   | 6~M12 | 18 | 19 | 38 | 95  | 25 | 28.25  | 16.25  | 49.25  | 33.25  | 35 | 14   | 6~M10 |
|                 |         |       |    | 20 |    |     |    |        |        |        |        |    |      | 3~M6  |
| 3L-10 A6<br>A8  | M85x2   | 6~M16 | 22 | 25 | 43 | 110 | 30 | 35.25  | 17.25  | 64.25  | 45.25  | 40 | 16   | 6~M12 |
|                 |         |       |    |    |    |     |    |        |        |        |        |    |      |       |
| 3L-12 A8        | M100x2  |       | 20 | 19 | 51 | 130 |    | 46.25  | 19.25  | 77     | 54.5   | 50 | 21   | 3~M8  |
| 3L-15 A8<br>A11 | M130x2  | 6~M20 | 33 | 31 | 63 | 165 | 43 | 51.25  | 27.25  | 94.25  | 68.25  | 62 | 25.5 | 6~M16 |
|                 |         |       |    |    |    |     |    |        |        |        |        |    |      | 3~M10 |