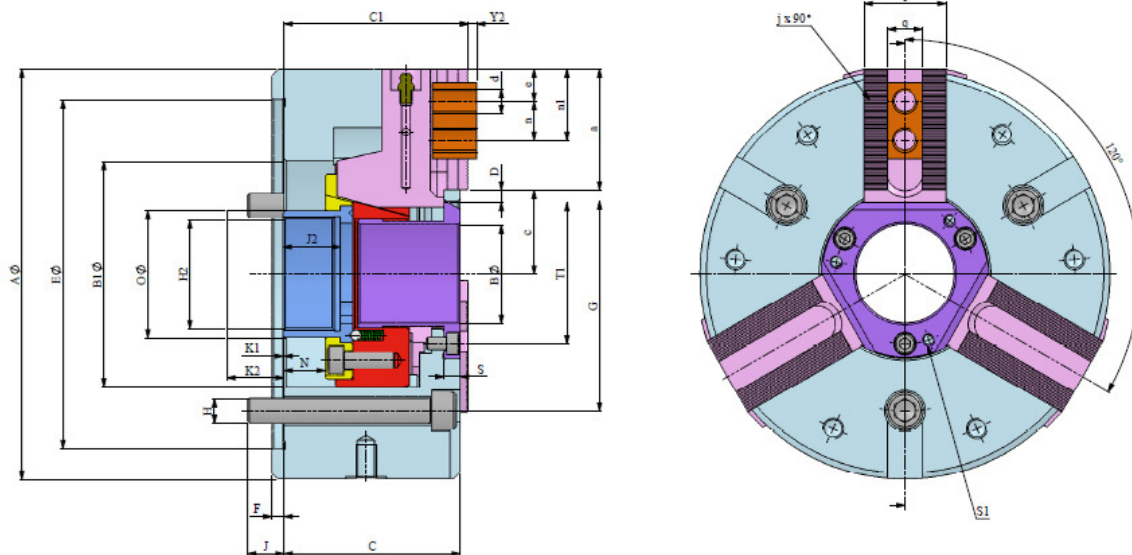


# 3B CCDPH

ccdchuck.in



Dimensions / Performance data 3B - PH

| Type 3 PH / Chuck Size                |                        | 135         | 165         | 200         | 250         | 315         | 400         | 500         |
|---------------------------------------|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Dimensions</b>                     |                        |             |             |             |             |             |             |             |
| Outer diameter                        | AØ mm                  | 135         | 165         | 200         | 250         | 315         | 400         | 500         |
| Bore                                  | B1Ø <sup>+0.1</sup> mm | 81          | 90          | 110         | 132         | 155         | 210         | 250         |
| Mounting recess                       | EØ H6 mm               | 110         | 140         | 170         | 220         | 300         | 380         | 380         |
| Actuator-Ø                            | F mm                   |             |             |             |             |             |             |             |
| Mounting bolts                        | H                      | M10         | M10         | M12         | M16         | M20         | M24         | M24         |
| Thread mounting                       | H2                     | M36 x 1.5   | M42 x 1.5   | M55 x 2     | M72 x 2     | M92 x 2     | M133 x 2    | M172 x 3    |
| Puller thread protective sleeve       | S                      | M4          | M5          | M6          | M6          | M6          | M8          | M8          |
| Chuck width                           | C mm                   | 56.2        | 77          | 85          | 88          | 85          | 120         | 120         |
| Chuck width                           | C1 mm                  | 58          | 82          | 89          | 92          | 92          | 125         | 125.5       |
| Thread length of mounting bolts       | J mm                   | 15          | 14          | 18          | 24          | 31          | 31          | 36          |
| Thread length of actuator             | J2 mm                  | 17          | 27          | 28          | 28          | 28          | 28          | 28          |
| Basejaw protr. over chuck face        | S mm                   | 6           | 8           | 8           | 8           | 8           | 12          | 12          |
| Actuator stroke                       | N mm                   | 10          | 15          | 20          | 20          | 20          | 30          | 30          |
| Pitch circle - Ø of mounting bolts    | G <sup>+0.1</sup> mm   | 82.6        | 104.8       | 133.4       | 171.4       | 235         | 330.2       | 330.2       |
| Pitch circle - Ø of protective sleeve | T1 <sup>+0.1</sup> mm  | 44          | 54          | 68          | 86          | 104         | 145         | 185         |
| Jaw stroke                            | D mm                   | 2.7         | 3.15        | 5.3         | 5.3         | 5.3         | 8           | 8           |
| Position of Jaw min                   | c mm                   | 25.15       | 28.65       | 35.7        | 43.7        | 54.2        | 74          | 92          |
| Position of Jaw max                   | c mm                   | 27.85       | 31.8        | 41          | 49          | 59.5        | 82          | 100         |
| Jaw mounting bolts                    | d                      | M8          | M10         | M12         | M16         | M16         | M20         | M20         |
| Distance of Jaw mounting bolts        | e mm                   | 8           | 9           | 9           | 10          | 10          | 15          | 15          |
| Distance of Jaw mounting bolts        | n1 mm                  | 30          | 38.5        | 50          | 60          | 85          | 103         | 130         |
| Minimum distance                      | n mm                   | 14          | 19          | 19          | 25          | 25          | 34          | 34          |
| Distance T-nut and serration          | Y2 mm                  | 2           | 3           | 3.5         | 3.5         | 3.5         | 3.5         | 3.5         |
| Length of serration                   | a mm                   | 41          | 50.7        | 59          | 76          | 98          | 118         | 150         |
| Jaw breath                            |                        |             |             |             |             |             |             |             |
| Jaw width                             | b mm                   | 23          | 35          | 40          | 45          | 50          | 60          | 60          |
| Slot with imperial                    | q H7 mm                | 10          | 12          | 17          | 21          | 21          | 25.5        | 25.5        |
| Slot with metric                      | q H7 mm                | 10          | 12          | 17          | 21          | 21          | 25.5        | 25.5        |
| Pitch of serration/imperial           | j                      | 1/16" x 90° | 1/16" x 90° | 1/16" x 90° | 1/16" x 90° | 1/16" x 90° | 3/32" x 90° | 3/32" x 90° |
| Pitch of serration/Metric             | j                      | 1.5 x 60°   | 1.5 x 60°   | 1.5 x 60°   | 1.5 x 60°   | 1.5 x 60°   | 1.5 x 60°   | 1.5 x 60°   |
| <b>Performance data</b>               |                        |             |             |             |             |             |             |             |
| External Clamping Max / Min           |                        | 135 / 25    | 165 / 32    | 200 / 25    | 250 / 28    | 315 / 42    | 400 / 45    | 500 / 74    |
| Internal Clamping Max / Min           |                        | 135 / 50    | 165 / 62    | 200 / 70    | 250 / 76    | 315 / 84    | 400 / 105   | 500 / 138   |
| Max. Drawbar pull                     | kgf                    | 1700        | 2000        | 4000        | 6000        | 6000        | 9000        | 9000        |
| Max. Gripping force                   | kgf                    | 3600        | 5400        | 8000        | 12000       | 13000       | 20000       | 21000       |
| Rpm max                               | 1/min                  | 7000        | 5000        | 5000        | 4000        | 3200        | 2500        | 2000        |
| Weight                                | kg                     | 10          | 13.7        | 16          | 26          | 38          | 94          | 132         |
| Flywheel effect GD2                   | kpm <sup>2</sup>       | 0.15        | 0.2         | 0.38        | 0.8         | 2.6         | 8.4         | 24.8        |
| Max top jaw weight                    | kg                     | 1.25        | 1.5         | 1.7         | 3.5         | 4           | 7.5         | 7.5         |