

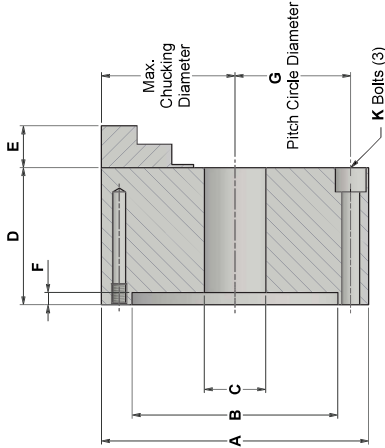
# Pratt Burnerd International 3 Jaw Super Precision Scroll Chucks

Widely used for many years on the world's most popular manual lathes, the Pratt Burnerd Super Precision chuck is **ideal for all high speed applications**. The body is made from high strength nodular iron with hardened and ground jaw strips for extended working life. Through the body mounting holes allow for easy fitting and a wide range of fully machined adaptor plates to suit most common spindle noses are readily available.

## Exceeds ISO 3089: 1991 (E) Class I

- 30µm T.I.R. up to 250mm size, 315mm and above 50µm T.I.R. using nominated pinion
- Repeatability 25µm on all sizes
- Sizes 80mm to 400mm
- Three hardened pinions
- Complete with one set of each hard inside and hard outside jaws
- American style two piece jaws available as an option
- Twelve month warranty

Mounting plates are precision machined to suit the spindle nose of your machine. If ordering plate separately please specify the model number of your chuck.



| Chuck Size | Model Number | Approx. Weight (kilos) | Maximum rpm |
|------------|--------------|------------------------|-------------|
| 80mm       | 9210-00805   | 1.7                    | 5000        |
| 100mm      | 9210-01005   | 2.9                    | 5000        |
| 125mm      | 9210-01305   | 4.7                    | 5000        |
| 160mm      | 9210-01705   | 8.6                    | 4900        |
| 200mm      | 9210-02005   | 15.6                   | 4200        |
| 250mm      | 9210-02505   | 27                     | 3300        |
| 315mm      | 9210-03205   | 45                     | 2700        |
| 400mm      | 9210-04005   | 83                     | 2000        |

## Dimensional Data for 3 Jaw Super Precision Scroll Chucks

| Chuck Size |       |      |       |    |   |      |     |     |     | Gripping Capacity |  |
|------------|-------|------|-------|----|---|------|-----|-----|-----|-------------------|--|
| (A)        | B(H7) | C    | D     | E  | F | G    | K   | Min | Max |                   |  |
| 80         | 63.5  | 19   | 45    | 13 | 3 | 71.3 | M5  | 1   | 76  |                   |  |
| 100        | 76.2  | 25.4 | 51.3  | 17 | 3 | 89   | M6  | 1   | 98  |                   |  |
| 125        | 95    | 35   | 57    | 19 | 4 | 108  | M8  | 1.5 | 124 |                   |  |
| 160        | 125   | 45.9 | 63.9  | 23 | 4 | 140  | M10 | 1.5 | 160 |                   |  |
| 200        | 160   | 54.8 | 74.2  | 29 | 4 | 176  | M10 | 2   | 200 |                   |  |
| 250        | 200   | 75.9 | 82.2  | 33 | 5 | 224  | M12 | 3   | 250 |                   |  |
| 315        | 260   | 105  | 91    | 40 | 5 | 286  | M12 | 6   | 304 |                   |  |
| 400        | 330   | 136  | 100.7 | 50 | 5 | 362  | M16 | 10  | 406 |                   |  |

## Type D Camlock Mounting Plates

| Spindle | 100mm      | 125mm      | 160mm      | 200mm      | 250mm      | 315mm      | 400mm      |
|---------|------------|------------|------------|------------|------------|------------|------------|
| D-3     | 8271-10222 | 8271-13222 | 8271-17222 | 8271-20222 |            |            |            |
| D-4     |            | 8271-13223 | 8271-17223 | 8271-20223 | 8271-25223 |            |            |
| D-5     |            |            | 8271-17224 | 8271-20224 | 8271-25224 |            |            |
| D-6     |            |            | 8271-17225 | 8271-20225 | 8271-25225 | 8271-32225 | 8271-40225 |
| D-8     |            |            | 8271-17226 | 8271-20226 | 8271-25226 | 8271-32226 | 8271-40226 |
| D-11    |            |            |            | 8271-20227 | 8271-25227 | 8271-32227 | 8271-40227 |

Other adapter plates are available upon request. Specify chuck number and spindle nose specifications. For spindle nose specifications, see page 28.

We can supply soft blank jaws for all above models, please ask for details.