



**Pratt Burnerd  
America**

# **GRIPFAST HIGH SPEED QUICK CHANGE CHUCK MADE IN THE USA**



**Pratt Burnerd America. 3977 Emerald Dr. Kalamazoo, MI 49001 Ph. 800-253-0820**

**Fax: 269-384-3201 Email: [info@prattburnerd.com](mailto:info@prattburnerd.com) Website: [www.prattburnerd.com](http://www.prattburnerd.com)**

A well-established range of chucks designed for use on CNC and FMS machines. They combine high operating speeds of up to 6000 rev/min using standard top jaws with quick change base jaws allowing rapid set up and jaw change over times as little as 40 seconds. The range is available with 60° serrations as standard or alternatively 90° serrations, American cross tenon, square or acme jaws.

For ensuring the safe and correct use of this product, please read and pay attention to all the instructions and keep this manual so that it can be retrieved whenever needed.

## 1. Safety Alert Symbols



## 2. Qualified Operators



Pratt Burnerd clamping equipment may be set up, operated and maintained by those only who are trained to do so and/or have several years experience.

Persons handling clamping equipment who do not possess the necessary training or experience run the risk of potential injury from the clamping motion and the forces generated.

## 3. Maximum Permitted Speed



The maximum permitted speed may only be run at maximum permitted actuation force and using a perfectly operating chuck. For maximum permitted speed ratings see page 3.

## 4. Exceeding The Permitted Speed



The centrifugal forces caused by excessive rotational speeds may result in individual parts of the clamping device becoming detached or the work piece being ejected, with the potential to cause harm to those in the close vicinity, considerable damage to the machine and the chuck itself.

The maximum speed and the operating force/pressures are embossed on the body and may not be exceeded for the reasons mentioned above.

## 5. Clamping Range



The maximum clamping range may not be exceeded, the lack of sufficient engagement between the clamping jaw and the component part could cause a negative effect on machining, work piece ejection or injury to the operator. For clamping ranges see page 4.

To check the chucking force, it is recommended using the Pratt Burnerd Radio Frequency Gripmeter.

For optimum performance the clamping force should be checked at regular intervals, the intervals are dependent on the application, for more information contact Pratt Burnerd.

## 6. Mounting



Clean any excess protective grease from the chuck and inspect for any damage which may have occurred in transit. Before mounting the chuck ensure the machine spindle is running true by checking the chuck locating faces both radial and axial directions using a dial indicator. The maximum error should not exceed 0.005mm full indicator movement (FIM). Also check the mounting faces are clean and undamaged. If the chuck is supplied with a separate mounting adaptor, this should match

the machine spindle and should be secured to it using the fasteners provided. For torque values see page 4.

Check the chuck mounting spigot and face for true running.

The adaptor should run within 0.01mm FIM on the Face and 0.02mm on the diameter. Wipe the chuck location faces clean and mount the chuck to the spindle and adaptor using screws provided. Cycle the hydraulic cylinder to ensure that it is fully extended. Position the actuating sleeve as far back as possible, screw the sleeve onto the drawtube by rotating the chuck or manually rotating the spindle until the distance between chuck and spindle mounting measures 1mm more than the sleeve movement. Align the mounting holes in the chuck with the nearest hole in the adaptor plate. Manually push the chuck onto the spindle nose and secure loosely with mounting bolts provided. Actuate the cylinder at minimum pressure to pull the chuck firmly onto the spindle nose and then tighten the mounting bolts to the specified torque. Actuate the chuck at reduced pressure several times to check for correct operation ensuring that the full jaw movement is obtained. Adjust the cylinder pressure to the appropriate value.

## 7. Operating



In order to ensure safe clamping of the work piece to withstand the machining forces occurring and prevent injury, the correct loading practices below should be adhered to:

| Wrong   | Right   |
|---|---|
| Work piece projected length too great relative to chuck size.<br> | Support Workpiece between centers.<br>                |
| Chucking Diameter too great.<br>                                  | Use a larger chuck.<br>                               |
| Workpiece too heavy and chucking step too short.<br>              | Support between centers and extend chucking step.<br> |
| Chucking diameter too small.<br>                                  | Chuck using greatest possible chucking diameter.<br>  |

The illustrated examples do not cover all the possible dangerous situations.

It is the responsibility of the user to recognize possible sources of danger and to adopt the necessary measures. Despite all precautionary measures, an element of risk can not be excluded

## 8. Maintenance

### ▲ WARNING

The reliability of the clamping equipment can only be ensured if the maintenance guidelines below are strictly observed. Failure to observe these instructions will result in loss of grip and could cause an accident.

- All chucks should be checked regularly for wear, cracks and accident damage, the following cause breakages and should be avoided:
  - Do not use a badly fitting Allen keys
  - Do not use the hand release pin to remove the chuck from the spindle.
  - Do not leave Allen keys in the chuck when the lathe is started.
  - Do not start the lathe until all is clear. Collision between chuck and lathe will almost certainly damage both.
  - Do not use the chuck on heavy work where the chuck jaws project appreciably from the chuck body. Use the correct size chuck for the job.
  - Do not attempt to insert base jaws into the wrong jaw way. The jaws and jaw ways are numbered and a stop screw is fitted correspondingly.

- Do not tamper with the chuck. If inaccuracy is found, check the spindle nose or adaptor plate for true running and make sure there is no dirt or foreign matter between the mounting faces.

- If in doubt, do not use the chuck, contact Pratt Burnerd
- Lubricate the chuck at regular intervals using Pratt Burnerd chuck lubricant PB160Z, Refer to material data sheet for all information referring to PB160Z. **Do not use any other brand of lubricant.** One shot should be applied to each of the three grease nipples in the chuck periphery with the grease gun and to obtain maximum benefit, the chuck jaws should be cleaned and lubricant applied with a clean brush at every jaw change.
- If spares are fitted to the chuck, **ensure these are supplied by Pratt Burnerd**, if screws are loosened or replaced, defective fastening or replacement may lead to a damage of the machine or injury to the operator. The torque table (Pg 4) should be used when retightening any fasteners. Ensure that the chuck has been tested before reusing.

### USE ONLY GENUINE PRATT BURNERD REPLACEMENT PARTS

## 9. Technical Information

### ▲ WARNING

| Chuck Size (mm) | Total Static Grip (KN) | Maximum Speed (rpm) | Jaw Stroke (mm) | Sleeve Stroke (mm) | Max Operating Force (KN) | Overall Weight (Kg) |
|-----------------|------------------------|---------------------|-----------------|--------------------|--------------------------|---------------------|
| 165             | 47                     | 6000                | 3.5             | 16                 | 16                       | 16                  |
| 210             | 66                     | 5500                | 3.5             | 16                 | 24                       | 28                  |
| 210KB           | 66                     | 5500                | 3.5             | 16                 | 24                       | 27                  |
| 254             | 88                     | 5000                | 4               | 18.5               | 32                       | 42                  |
| 265             | 88                     | 5000                | 4               | 18.5               | 32                       | 51                  |
| 305             | 121                    | 4200                | 4               | 18.5               | 44                       | 68                  |
| 380             | 139                    | 3200                | 5               | 20                 | 60                       | 135                 |
| 460             | 170                    | 2500                | 6               | 25                 | 69                       | 200                 |
| 500             | 170                    | 2500                | 6               | 25                 | 69                       | 250                 |

## 10. Clamping Ranges

### ▲ WARNING

| Chuck size (mm) | D1     | D2      | D3      | D4      | D5      | D6      |
|-----------------|--------|---------|---------|---------|---------|---------|
| 165             | 7-80   | 46-115  | 92-164  | 18-87   | 68-134  | 116-184 |
| 210             | 10-104 | 60-152  | 108-203 | 25-119  | 84-176  | 136-225 |
| 210KB           | 24-104 | 74-152  | 122-203 | 39-119  | 98-176  | 150-225 |
| 254             | 17-144 | 70-190  | 117-241 | 30-159  | 89-214  | 140-266 |
| 265             | 28-155 | 81-201  | 128-251 | 41-170  | 100-225 | 151-277 |
| 305             | 16-160 | 70-204  | 146-288 | 26-190  | 110-272 | 190-356 |
| 380             | 24-202 | 86-250  | 180-350 | 58-235  | 160-335 | 260-433 |
| 460             | 64-284 | 126-332 | 220-432 | 98-317  | 200-417 | 300-515 |
| 500             | 68-320 | 130-368 | 224-468 | 102-353 | 204-453 | 304-551 |

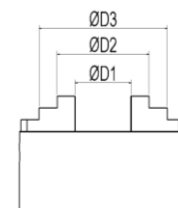


Figure 1

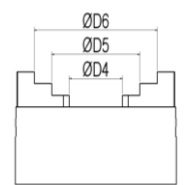


Figure 2

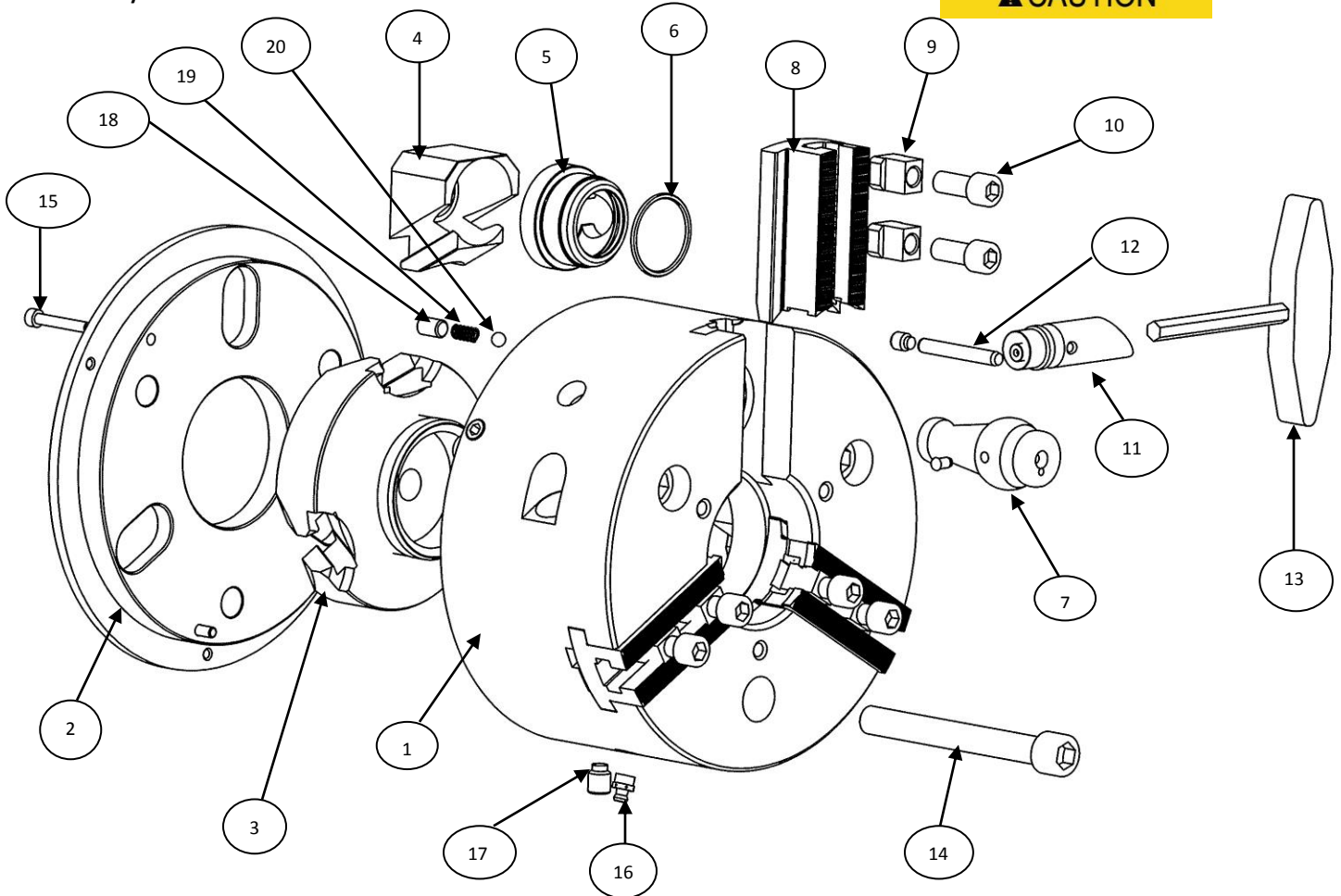
## 11. Tightening Torques for Mounting and Jaw Bolts

▲ CAUTION

| Screw Type           | M2       | M3        | M4         | M5          | M6           | M8           | M10          | M12          | M14           | M16           | M18           | M20           | M24           |
|----------------------|----------|-----------|------------|-------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|
| Socket Head Cap      | <1 FT-LB | 1-2 FT-LB | 1-5 FT-LBS | 5-10 FT-LBS | 10-20 FT-LBS | 20-30 FT-LBS | 40-60 FT-LBS | 40-60 FT-LBS | 80-100 FT-LBS | 80-100 FT-LBS | 80-100 FT-LBS | 80-100 FT-LBS | 80-100 FT-LBS |
| Socket Counter sunk  | -        | 1-2 FT-LB | 1-5 FT-LBS | 5-10 FT-LBS | 10-20 FT-LBS | 20-30 FT-LBS | 40-60 FT-LBS | 40-60 FT-LBS | -             | 80-100 FT-LBS | -             | 80-100 FT-LBS | 80-100 FT-LBS |
| Button Head Sockets  | -        | 1-2 FT-LB | 1-5 FT-LBS | 5-10 FT-LBS | 10-20 FT-LBS | 20-30 FT-LBS | 40-60 FT-LBS | 40-60 FT-LBS | -             | -             | -             | -             | -             |
| Socket Head Shoulder | -        | -         | -          | 5-10 FT-LBS | 10-20 FT-LBS | 20-30 FT-LBS | 40-60 FT-LBS | 40-60 FT-LBS | -             | 80-100 FT-LBS | -             | 80-100 FT-LBS | -             |

## 12. Assembly Information

▲ CAUTION



When reassembling the chuck, be aware of sharp edges, burr's and collected metal swarf which could potentially cause injury.

| No | Part Name    | Q'ty | No | Part Name         | Q'ty | No | Part Name        | Q'ty | No | Part Name          | Q'ty |
|----|--------------|------|----|-------------------|------|----|------------------|------|----|--------------------|------|
| 1  | Chuck Body   | 1    | 6  | Socket O Ring     | 3    | 11 | Hand Release Pin | 3    | 16 | Grease Nipple      | 3    |
| 2  | Back Body    | 1    | 7  | Lever & Lever Pin | 3    | 12 | Tapped Dowel     | 3    | 17 | Adjusting Screw    | 3    |
| 3  | Sleeve       | 1    | 8  | Base Jaws         | 3    | 13 | Release Key      | 1    | 18 | Socket Set Screw   | 3    |
| 4  | Actuator     | 3    | 9  | Tee Nut           | 6    | 14 | Mounting screw   | 3    | 19 | Compression Spring | 3    |
| 5  | Body Bushing | 3    | 10 | Tee Nut Screw     | 6    | 15 | Back Body Screw  | 3    | 20 | Ball Bearing       | 3    |

### 13. Troubleshooting

**CAUTION**

Ensure the machine is completely stopped, check the following points and perform the countermeasures.

| Trouble             | Cause   | Countermeasure  |
|---------------------|---|---|
| Chuck does not work | Broken components.  | Disassemble the chuck and replace with new parts supplied by Pratt Burnerd International. |
| Chuck does not work | Seized in components  | Disassemble, remove the burr and lubricate.   |
| Chuck does not work | Rusted parts.   | Disassemble and remove rust.  |
| Work Slips          | Forming diameter of soft jaws is not concordance with workpiece diameter. | Machine soft jaws again.  |
| Work Slips          | Insufficient gripping force.  | Check the cylinder for any faults & operating pressure                                    |
| Work Slips          | Cutting torque over.  | Calculate the cutting torque and set the cutting conditions again.                        |
| Work Slips          | Insufficiently lubricated.  | Disassemble, clean and lubricate the chuck.   |
| Poor accuracy       | Jaw mounting bolts not properly tightened                                 | Screw the jaw mounting bolts with the specified torque                                    |
| Poor accuracy       | Over height top jaw   | Modify top jaw height   |
| Poor accuracy       | Incorrect centering of the chuck  | Clock the chuck OD and face, if there is run out, remove, clean and refit                 |

### 14. Ordering Spare Parts

**THINK**

#### USE ONLY GENUINE PRATT BURNERD REPLACEMENT PARTS

Before contacting Pratt Burnerd, gather as much information relating to the chuck as possible. Product code numbers are in the form of four digits followed by five digits i.e. 1234-56789. Below are the most common Spares requirements. Serrations specified are supplied as 1.5 X 60° and 1/16" X 90°.

| Chuck Size (mm)          |            |            |             |            |            |            |            |
|--------------------------|------------|------------|-------------|------------|------------|------------|------------|
| Item                     | Ø165       | Ø210       | Ø254        | Ø305       | Ø380       | Ø460       | Ø500       |
| Base Jaws 60° serrations | 8130-17623 | 8130-21623 | 8130-26623  | 8130-31623 | 8130-40623 | 8130-46623 | 8130-50623 |
| Hard Top Jaws 60°        | HJ06       | HJ08       | HJ10        | HJ12-1     | HJ15       | HJ15       | HJ24-1     |
| Soft Top Jaws 60°        | 8140-17525 | 8140-21525 | 8140-26525  | 8140-31525 | 8140-40525 | 8140-40525 | 8140-50525 |
| Tee Nut 60°              | 8130-17590 | 8130-21625 | 8130-265920 | 8130-31590 | 8130-40590 | 8130-50590 | 8130-50590 |
| Tee Nut SHCS Screw 60°   | M10X25     | M12X30     | M12X30      | M14X40     | M20X50     | M20X50     | M20X50     |

| Chuck Size (mm)          |            |            |            |            |            |            |            |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|
| Item                     | Ø165       | Ø210       | Ø254       | Ø305       | Ø380       | Ø460       | Ø500       |
| Base Jaws 90° serrations | 8130-17610 | 8130-21610 | 8130-26610 | 8130-31610 | 8130-38610 | 8130-46610 | 8130-50610 |
| Hard Top Jaws 90°        | 8130-17611 | 8130-21611 | 8130-21611 | 8130-31611 | 8130-40611 | 8130-40611 | 8130-40611 |
| Soft Top Jaws 90°        | 8140-17512 | 2860-21512 | 2860-21512 | 2860-32512 | 2860-40512 | 2860-40512 | 2860-40512 |
| Tee Nut 90°              | 8820-17591 | 2870-17591 | 2870-17591 | 2870-26591 | 2870-40591 | 2870-40591 | 2870-40591 |
| Tee Nut SHCS Screw 90°   | M8X20      | M12X30     | M12X30     | M16X35     | M20X35     | M20X35     | M20X35     |

| Chuck Size (mm)                |            |            |            |            |            |            |            |
|--------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Item                           | Ø165       | Ø210       | Ø254       | Ø305       | Ø380       | Ø460       | Ø500       |
| Sleeve (Blank) (common to all) | 8130-17760 | 8130-21760 | 8130-26760 | 8130-31760 | 8130-40760 | 8130-50760 | 8130-50760 |
| Release Key (common to all)    | 10MM HEX   | 10MM HEX   | 10MM HEX   | 10MM HEX   | 10MM HEX   | 10MM HEX   | 10MM HEX   |
| Hand Release Pin               | 8130-17786 | 8130-21786 | 8130-26786 | 8130-31786 | 8130-40786 | 8130-46786 | 8130-50786 |

## 15. The Setrite Feature

Pratt Burnerd power chucks are manufactured to the highest tolerances in accordance with all accepted international standards specifications. Indeed, all sizes of Pratt Burnerd power chucks will repeat to within 0.025mm however the absolute accuracy with which a chuck can hold and rotate a component depends in part on the interface between the chuck and spindle nose.

The Pratt Burnerd Setrite feature, which is incorporated on all GRIPFAST (H.S.Q.C.) power chucks, has been designed to compensate for any inaccuracy which may be introduced in mounting the chuck and spindle nose adaptor.

At the rear of the chuck body periphery there are three small cap screws (six on chucks of  $\varnothing 380\text{mm}$  and above) which control float between the chuck body components or between the chuck and spindle nose adaptor.

The Setrite feature is simple to use, for direct mounting chucks, the chuck should be offered up to the spindle nose in accordance with the instructions on page 2, ensuring that all mating surfaces are thoroughly cleaned. The through mounting bolts should be made hand tight. Check the run out on the chuck periphery using a suitably position dial indicator. Adjustment of the Setrite screws will bring the chuck true on the spindle nose. The through mounting bolts should then be fully tightened.

For chucks with separate adaptors, first mount the adaptor to the spindle nose observing all the usual precautions detailed in the mounting section of this manual. The mounting bolts should be fully tightened. Offer the chuck up to the adaptor, insert the through mounting bolts and tighten them by hand. Adjust the Setrite screws to obtain optimum accuracy and fully tighten the mounting bolts as before.

Once set, the Setrite screws will require no further adjustment unless the chuck is removed from the spindle, when the above procedure should be repeated to re-true the chuck.

## 16. How to exchange the High Speed Quick Change jaws

**▲ CAUTION**

Actuate the chuck to the closed position (sleeve fully back).

Release the base and top jaw set using the release pin located on the outside diameter of the chuck body with the key supplied.

**Only release and change one base jaw at a time.**

When released the hand release pin (see Exploded View at Point 11 - item 11) will stand proud of the chuck body o/d.

Fit the next jaw set with appropriately positioned identifying screw. These screws on the underside of the base jaws ensure that the jaw is always used in the same jaw way, loss of accuracy may occur if these screws are moved or removed.

Check to ensure the hand release pin is in the fully closed position (flush with chuck o/d) before moving on to the next jaw.

Complete one jaw change before moving on to the next.

Repeat this procedure on the remaining base jaws.

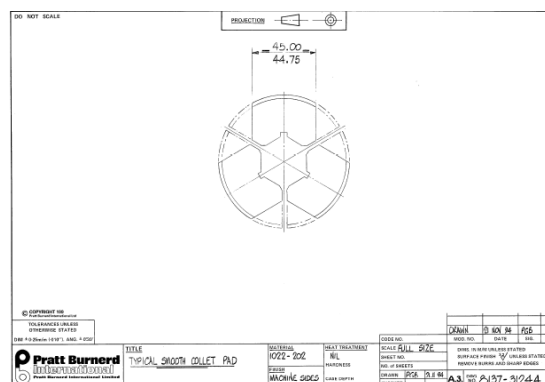
Once all jaws have been changed manually rotate the chuck and check to ensure all the release pins are locked and that the pins are flush with the chuck body.

Note: If the release pins do not lock and unlock freely STOP and contact Pratt Burnerd.

If a base jaw is not relocked with the release pin you will notice this when opening the chuck to grip the next component because this jaw will not open and this would be apparent when trying to grip the part.

## 17. Use of Collet pads

Collet pads are available in smooth, serrated or emergency (to bore out yourself) .They are generally supplied to allow full wrap round of the component but can be wire cut to allow the pad to pass down the jaw way to facilitate quick change of the jaws



## 18. Pratt Burnerd H.S.Q.C Jaw Setting Fixture

**CAUTION**

Machine uptime can be increased by tooling the spare set of jaws supplied to suit the next operation. This can be carried out manually but it is easier and quicker using the Pratt Burnerd Jaw Setting Fixture, which is supplied as an optional extra.

| Chuck Size | Guide Block | Locating Disc | Scale Clamp |
|------------|-------------|---------------|-------------|
| Ø165       | 1           | Ø23/1         | Full        |
| Ø210       | 2           | Ø25/2         | Full        |
| Ø210KB     | 2           | Ø25/2         | Cut Away    |
| Ø254       | 2           | Ø32/3         | Full        |
| Ø265       | 2           | Ø32/3         | Cut Away    |
| Ø305       | 3           | Ø37/4         | Full        |
| Ø380       | 4           | Ø42/5         | Full        |
| Ø450       | 4           | Ø42/5         | Full        |
| Ø480       | 4           | Ø48/6         | Full        |
| Ø500       | 4           | Ø48/6         | Full        |



### Notes to Remember

The scale is set using the clamp edge nearest the jaw. For Ø210KB and Ø265, chucks the scale clamp is to be reversed so that the cut away edge is nearest the jaw position. Locating disc position numbers start

**THINK**

with position 1 nearest the scale spindle, ascending outwards position 6. Guide blocks should be positioned and orientated so that the appropriate numbers are aligned with the locating disc centre. Ensure guide blocks, legs and locating disc are tightened before use.

**DANGER**

## 19. Incorrectly secured jaws

Ensure proper engagement of the Hand Release Pins when changing jaws, improperly secured jaws can be expelled from a rotating chuck with risk of injury to operators and or damage to the component and machine. The Hand Release Pins must align precisely with the periphery of the chuck, if not, remove the jaw and reset. (see point 15).

**MATERIAL SAFETY DATA SHEET**

**Pratt Burnerd  
America**

Product Name: **PRATT BURNERD CHUCK  
LUBRICANT**

Revision Date: 4-28-21

Revision: 01

Page: 8 of 10

### 1. product and company identification

Product trade name: Pratt Burnerd Chuck Lubricant

Product code: PB16OZ

Manufacturer: HUSK-ITT Corporation

CHEMTREC: 001 800 424-9300 (24 Hour)

Supplier: 3977 Emerald Drive

Tel.: 800-253-0820

Kalamazoo, MI 49001

Generic description: Molybdenum disulphide grease

Colour: Grey / charcoal

Physical form: Paste.

Odour: None.

### 2. composition/information on ingredients

#### Hazardous Ingredients

If present IARL, NPT and OSHA carcinogens and chemicals subject to reporting requirements of SARA title 111, section 313 are identified in this section: None.

| <b>(Non hazardous) Components</b> | <b>CAS number</b>  | <b>TLV</b> | <b>PEL</b> | <b>%</b> |
|-----------------------------------|--------------------|------------|------------|----------|
| Petroleum oils                    | 64741-62-7         | N/E        | N/E        | 60-70    |
|                                   | 64741-96-4         | N/E        | N/E        | 60-70    |
| Lithium Hydroxystearate           | 7620-77-1          | N/E        | N/E        | 5-10     |
| Molybdenum Disulphide             | 1317-33-5          | N/E        | N/E        | 15-25    |
| <b>Proprietary Components</b>     | <b>N.J.T.S.R.N</b> |            |            |          |
|                                   | 80100362-5009P     |            |            | <1.0     |

### 3. hazards identification

Effects of over exposure: May cause irritation to eyes and skin on sensitive individuals.

### 4. first aid measures

Eye contact: Flush eyes thoroughly with water for at least 15 minutes. If irritation occurs see doctor.

Skin contact: Wash contact areas with soap and water. See doctor if symptoms persists.

Inhalation: Remove to fresh air. See doctor if irritation/discomfort persists.



Ingestion: Call Doctor. Do not induce vomiting. Keep warm.  
 Additional: Prolonged or repeated contact may produce mild skin irritation and inflammation. Personnel with pre-existing skin disorder should avoid contact.

#### 5. fire fighting measures

Extinguishing media: Dry chemical, water fog, carbon dioxide, and sand/earth.  
 Special fire fighting procedures: Treat as oil fire: Use self-contained breathing apparatus.  
 Unusual fire and explosion hazards: None.  
 NFPA profile: Health: 1, Flammability: 1, Reactivity: 1, Personal Protection: B  
 Hazardous decomposition products: Carbon monoxide, carbon dioxide, metallic and sulphur compounds.

#### 6. accidental release measures

Notification Procedures: Report spills as required to appropriate authorities.  
 Spillage Procedures: Stop flow, scrape, wipe mop up or absorb with diatomaceous earth or other inert material. Store in appropriate container for disposal.

#### 7. Handling and storage

Handling: No special precautions are necessary beyond normal hygiene practices.  
 Storage: Avoid storage near open flame or other sources of ignition.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Normally not needed.  
 Skin protection: Neoprene or nitrile rubber gloves recommended.  
 Eye protection: Approved safety glasses or goggles.  
 Other protection: Chemically resistant boots and apron recommended.  
 Work/hygienic practices: Use standard methods.

#### 9. physical and chemical properties

Form/colour: Paste/dark grey or black  
 Odour: None.  
 Specific gravity: 1.02  
 Water solubility: Nil  
 Evaporation rate: N/A  
 Boiling point, °C: N/A  
 Melting point, °C: N/A  
 Volatile by volume, %: None  
 Vapour pressure: N/A  
 vapour density: N/A  
 flash point: (ASTM D92) C.O.C: 232°C (450°F)

Upper flammable limit: N/D

Lower flammable limit: N/D

---

10. STABILITY AND REACTIVITY

---

Stability: Stable

Incompatibility (materials to avoid): Strong oxidising agents.

Conditions to avoid: Extreme heat (do not heat above flash point)

Polymerisation: Will not occur.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, metallic and sulphur compounds.

---

11. Toxicological information

---

Acute Toxicological Data: Not established.

Component Toxicological information: Not established.

Special Hazard Information on components: No known applicable information.

---

12. ecological information

---

Environmental fate and effects: Not established.

---

13. Disposal considerations

---

Not established.

---

14. Transport Information

---

DOT Hazardous classification: Not regulated grease or oil - N.O.S.

---

15. Regulatory information

---

Not established.

---

16. Other Information

---

Use: Lubricant – especially formulated for use on work holding chucks.

Note: This product is not intended for any other purpose.

Prepared by: Pratt Burnerd America.

**Pratt Burnerd America**

**3977 Emerald Dr.**

**Kalamazoo, MI 49001**

**Ph: 1 800-253-0820**

**Fax: 269-384-3201**

**[info@prattburnerd.com](mailto:info@prattburnerd.com)**