

LLAMBRICH

2023

beyond precision

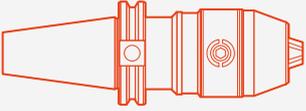
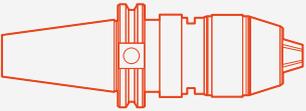
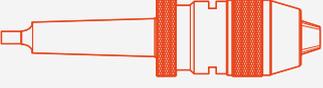
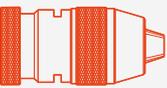
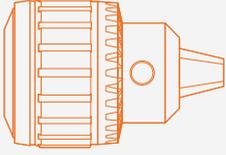
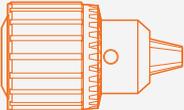
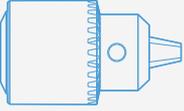


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220-666-0911

llambrichusa.com

Drill Chucks

| | | | Keyed or Keyless | Maximum Runout | Integrated Shank | Capacity Up To | |
|---------------------------------------|---|----------------------|------------------------------------|---|------------------|----------------|---------|
| Super-High Precision Certified Series |  | Hexa | Keyed Hexagonal Key Lock System | 0.0012" ★ CERTIFIED ★ ACCURACY | YES | 5/8" | |
| High Precision Certified Series |  | NPU | Keyless w/ Supplemental Wrench | 0.0016" ★ CERTIFIED ★ ACCURACY | YES | 5/8" | |
| |  | JK Solid | Keyless w/ Supplemental Wrench | 0.0016" ★ CERTIFIED ★ ACCURACY | YES | 5/8" | M St |
| |  | JKP | Keyless | 0.0016" ★ CERTIFIED ★ ACCURACY | NO | 5/8" | J |
| |  | JKT | Keyless w/ Supplemental Wrench | 0.0016" ★ CERTIFIED ★ ACCURACY | NO | 5/8" | J |
| Production Series |  | JK Industrial | Keyless | - | NO | 3/4" | J |
| |  | CBB | Keyed | - | NO | 1" | J |
| |  | CY | Keyed | - | NO | 3/4" | J |
| Stainless Steel INOX Series |  | SP | Keyless | - | NO | 0.291" | J |
| |  | CSS | Keyed | - | NO | 0.291" | J |

| Category | Mounting Style Options | Rotational Direction | Instant Stop Spindle | Page |
|----------|--------------------------------------|------------------------------------|--|-----------|
| | CAT BT R-8 | Permits Counter-Clockwise Rotation | Resists Tool Loosening on Instant Stop Spindle | 6 |
| | CAT BT | Clockwise Rotation | Resists Tool Loosening on Instant Stop Spindle | 7 |
| | Morse Taper Straight Shank R-8 | Clockwise Rotation | Resists Tool Loosening on Instant Stop Spindle | 8 |
| | Threaded Jacobs Taper | Clockwise Rotation | - | 9 |
| | Jacobs Taper | Clockwise Rotation | Resists Tool Loosening on Instant Stop Spindle | 10 |
| | Threaded Jacobs Taper | Clockwise Rotation | - | 11 |
| | Jacobs Taper | Permits Counter-Clockwise Rotation | Resists Tool Loosening on Instant Stop Spindle | 12 |
| | Threaded Jacobs Taper | Permits Counter-Clockwise Rotation | Resists Tool Loosening on Instant Stop Spindle | 13 |
| " | Threaded Jacobs Taper | Clockwise Rotation | - | 14 |
| " | Threaded Jacobs Taper | Permits Counter-Clockwise Rotation | Resists Tool Loosening on Instant Stop Spindle | 15 |



16 Arbors & Sleeves

Completely Hardened and Precision Ground



18 Live Centers

Live Centers for Accurate Work Holding in Conventional or CNC Lathes



20 Llambrich® Cross Reference

Easy Conversion from Jacobs®, Albrecht®, LFA® and Rohm®



22 Drill Chucks 101

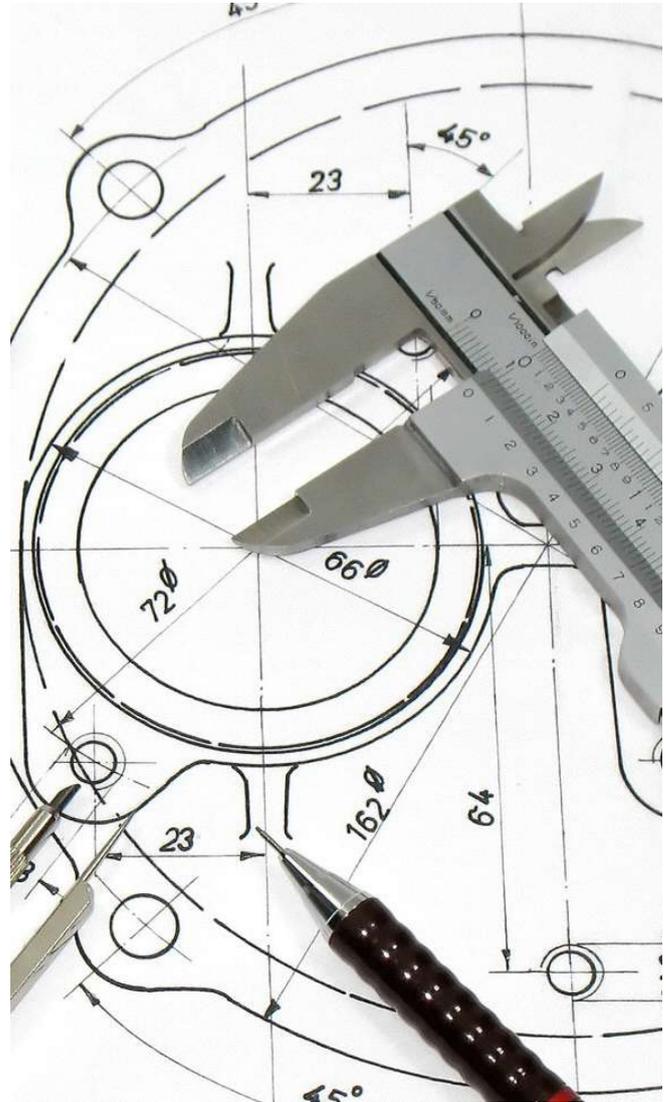
Know Your Drill Chuck?

Quality Engineering

Llambrich® originated from the province of Barcelona, Spain and has been designing, engineering and manufacturing drill chucks and machine tool accessories since 1957.

The Best Warranty in the Industry

The best drill chucks deserve the best warranty. In your first year, if you experience any issues, we'll repair it or replace it. No questions asked. These chucks are built tough, but our warranty isn't. Simply order a new chuck and send back the old one for a refund. That's all there is to it!



MANUFACTURER'S WARRANTY

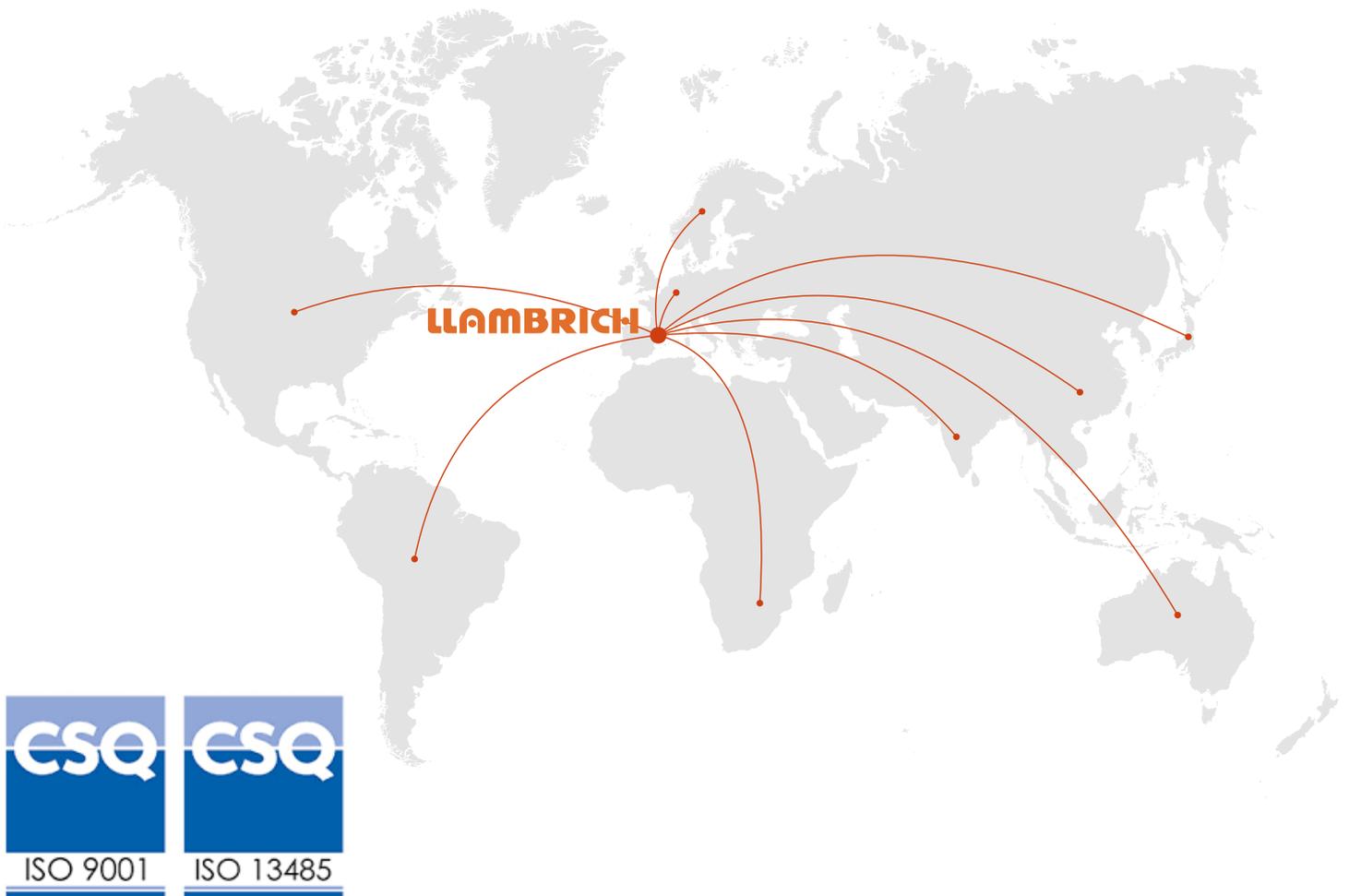
Llambrich® guarantees all products that it manufactured and marketed to be free of any manufacturing defects. Without notice, Llambrich® Manufacturing Company can reserve the right to change the design, material composition and dimensional specifications for all products offered in this catalog.



Since 1957

Guarantee Of Accuracy

Llambrich® has been the pioneer and inventor of the precision keyless chuck that guarantees the lowest run-out of concentricity since 1983. All high performance drill chucks come with a certificate of inspection that guarantees a maximum run-out of 0.0016" (0.0012" for Hexa drill chucks). All chucks are precision tested and certified. Inspections for concentricity are performed adhering to the most demanding standards in the metalworking industry.



HEXA

Super-High Precision Drill Chuck with Integrated Shank & Hexagonal Key Lock

For use on CNC machining centers

- Hexagonal key lock system (key included)
- Permits clockwise and counterclockwise turning

Optional balancing service up to 25,000 RPM at G6.3
(Max RPM without balancing: 8,000)

INTEGRATED SHANK

Compact Construction Significantly shorter than two-piece chuck and arbor.

Higher Precision A single taper connection to the machine without intermediate arbor provides maximum rigidity and concentricity.



★ CERTIFIED ★
ACCURACY
MAX. RUNOUT
0.0012"

GRIPPING
TORQUE
+75 ft/lbs

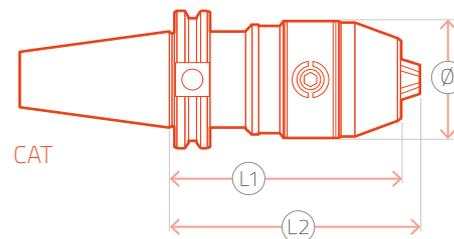
CAPACITY
UP TO
5/8"

HEXAGONAL KEY



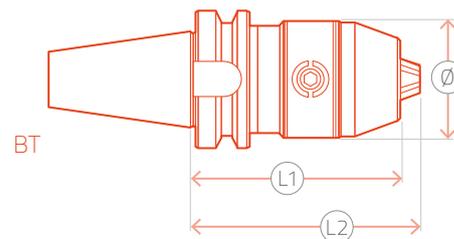
CAT

| EDP | PART | CAPACITY | MOUNT | DIMENSIONS | | |
|---------|-------------|------------|-------|------------|-------|-------|
| Number | Number | Inches | Style | ∅ | L1 | L2 |
| L40020B | HX-13 CA-40 | 1/32 - 1/2 | CAT40 | 2.126 | 4.213 | 4.567 |
| L40026B | HX-16 CA-50 | 1/8 - 5/8 | CAT50 | 2.244 | 3.583 | 3.858 |



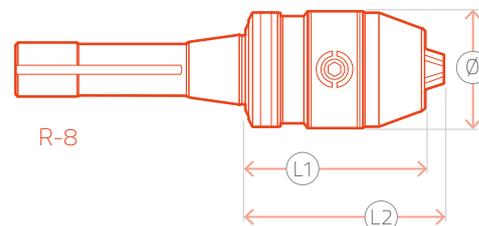
BT

| EDP | PART | CAPACITY | MOUNT | DIMENSIONS | | |
|---------|-------------|------------|-------|------------|-------|-------|
| Number | Number | Inches | Style | ∅ | L1 | L2 |
| L40008B | HX-13 BT-40 | 1/32 - 1/2 | BT40 | 2.126 | 3.780 | 4.134 |



R-8

| EDP | PART | CAPACITY | MOUNT | DIMENSIONS | | |
|---------|-----------|------------|-------|------------|-------|-------|
| Number | Number | Inches | Style | ∅ | L1 | L2 |
| L40049B | HX-13 R-8 | 1/32 - 1/2 | R-8 | 2.126 | 3.346 | 3.701 |
| L40050B | HX-16 R-8 | 1/8 - 5/8 | R-8 | 2.244 | 3.465 | 3.740 |



HIGH PRECISION DRILL CHUCKS

NPU

High Precision Short Keyless Drill Chuck with Integrated Shank

For use on CNC machining centers

- Engineered with milled flats for supplemental gripping torque up to three times higher than hand tightening. (Spanner Wrench included)
- Resists tool loosening on high-speed machines with instant spindle stop
- Smaller capacities available on request for all NPU models

INTEGRATED SHANK

Compact Construction Significantly shorter than two-piece chuck and arbor.

Higher Precision A single taper connection to the machine without intermediate arbor provides maximum rigidity and concentricity.



★ CERTIFIED ★
ACCURACY
MAX. RUNOUT
0.0016"

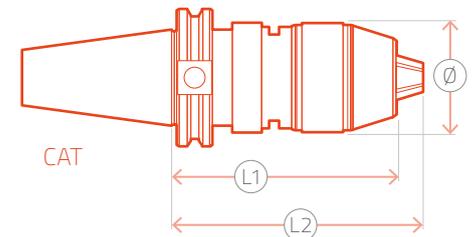
CAPACITY
UP TO
5/8"

SUPPLEMENTAL
TIGHTENING



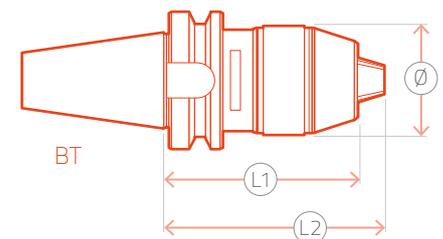
CAT

| EDP | PART | CAPACITY | MOUNT | DIMENSIONS | | |
|---------|----------------|-------------|-------|------------|-------|-------|
| Number | Number | Inches | Style | ∅ | L1 | L2 |
| L40286B | NPU-08 CA 40-A | 1/64 - 5/16 | CAT40 | 1.496 | 3.228 | 3.464 |
| L40287B | NPU-13 CA 40-A | 1/32 - 1/2 | CAT40 | 1.889 | 4.527 | 4.960 |
| L40289B | NPU-13 CA 50-A | 1/32 - 1/2 | CAT50 | 1.889 | 3.779 | 4.212 |
| L40290B | NPU-16 CA 40-A | 1/8 - 5/8 | CAT40 | 2.165 | 4.724 | 5.157 |
| L40291B | NPU-16 CA 50-A | 1/8 - 5/8 | CAT50 | 2.165 | 3.700 | 4.133 |



BT

| EDP | PART | CAPACITY | MOUNT | DIMENSIONS | | |
|---------|--------------|-------------|-------|------------|-------|-------|
| Number | Number | Inches | Style | ∅ | L1 | L2 |
| L40267B | NPU-08 BT 40 | 1/64 - 5/16 | BT40 | 1.496 | 3.070 | 3.307 |
| L6339B | NPU-13 BT 40 | 1/32 - 1/2 | BT40 | 1.889 | 3.385 | 3.818 |
| L40273B | NPU-13 BT 50 | 1/32 - 1/2 | BT50 | 1.889 | 3.818 | 4.251 |
| L40274B | NPU-16 BT 40 | 1/8 - 5/8 | BT40 | 2.165 | 4.133 | 4.566 |
| L40275B | NPU-16 BT 50 | 1/8 - 5/8 | BT50 | 2.165 | 3.740 | 4.173 |



**CAN'T FIND WHAT YOU'RE
LOOKING FOR? JUST ASK!**

ADDITIONAL CONFIGURATIONS INCLUDING
DIN MOUNTS AVAILABLE, INQUIRE AT
SALES@QTIMPORTS.COM

JK-Solid

Self-Tightening High Precision Keyless Drill Chuck with Integrated Shank

- The JK-Solid is a high precision integrated shank keyless drill chuck. The one piece construction offers a tighter tolerance on T.I.R.
- Greater rigidity and precision
- Engineered with milled flats for supplemental gripping torque up to three times higher than hand tightening. (Spanner Wrench included)
- Resists tool loosening on high-speed machines with instant spindle stop

INTEGRATED SHANK

Compact Construction Significantly shorter than two-piece chuck and arbor.

Higher Precision A single taper connection to the machine without intermediate arbor provides maximum rigidity and concentricity.

Morse Taper

| EDP | PART | CAPACITY | MOUNT | DIMENSIONS | | | |
|---------|-----------|-------------|-------|------------|-------|-------|----|
| Number | Number | Inches | Style | ∅ | L1 | L2 | |
| L31406B | JK-08 MT2 | 1/64 - 5/16 | MT2 | 1.496 | 2.559 | 2.835 | -- |
| L31407B | JK-10 MT2 | 1/32 - 3/8 | MT2 | 1.693 | 2.874 | 3.228 | -- |
| L31408B | JK-13 MT2 | 1/32 - 1/2 | MT2 | 1.890 | 3.150 | 3.622 | -- |
| L31409B | JK-13 MT3 | 1/32 - 1/2 | MT3 | 1.890 | 3.150 | 3.622 | -- |
| L31410B | JK-13 MT4 | 1/32 - 1/2 | MT4 | 1.890 | 3.150 | 3.622 | -- |
| L31413B | JK-16 MT2 | 1/8 - 5/8 | MT2 | 2.126 | 3.346 | 3.780 | -- |
| L31414B | JK-16 MT3 | 1/8 - 5/8 | MT3 | 2.126 | 3.346 | 3.780 | -- |
| L31415B | JK-16 MT4 | 1/8 - 5/8 | MT4 | 2.126 | 3.346 | 3.780 | -- |

Straight Shank

| EDP | PART | CAPACITY | MOUNT | DIMENSIONS | | | |
|---------|------------|------------|--------|------------|-------|-------|-------|
| Number | Number | Inches | Style | ∅ | L1 | L2 | L3 |
| L31412B | JK-130 5/8 | 1/32 - 1/2 | 5/8 SS | 1.890 | 3.150 | 3.622 | 2.480 |

R-8

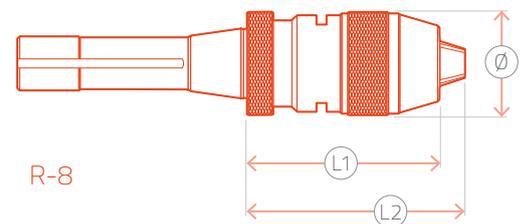
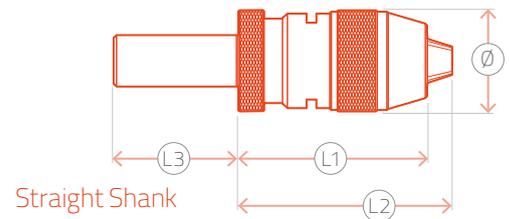
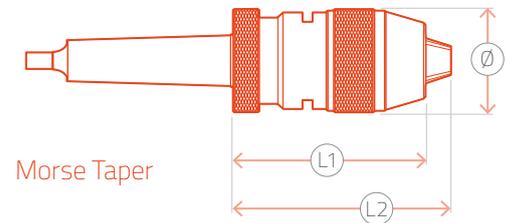
| EDP | PART | CAPACITY | MOUNT | DIMENSIONS | | | |
|---------|------------|------------|-------|------------|-------|-------|----|
| Number | Number | Inches | Style | ∅ | L1 | L2 | |
| L31411B | JK-130 R-8 | 1/32 - 1/2 | R-8 | 1.890 | 3.228 | 3.543 | -- |
| L31416B | JK-160 R-8 | 1/8 - 5/8 | R-8 | 2.126 | 3.425 | 3.858 | -- |



★ CERTIFIED ★
ACCURACY
MAX. RUNOUT
0.0016"

CAPACITY
UP TO
5/8"

SUPPLEMENTAL
TIGHTENING

HIGH PRECISION SELF-TIGHTENING DRILL CHUCKS

JKP

Self-Tightening High Precision Keyless Drill Chuck

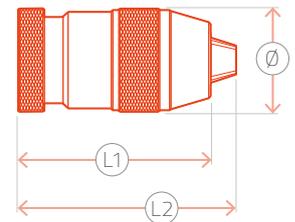
- Self-tightening mechanism automatically increases the clamping forces in proportion to the increase in torque during the drilling operation. This prevents tool slippage in clockwise rotation.
- For right-hand rotation applications only
- Use on high accuracy drill presses, jig borers, milling machines and production drilling equipment.
- All components exposed to wear are completely hardened to maintain accuracy and extend chuck life.
- Left hand rotation is available upon request
- Also available with through hole, for EDM machines, on demand



★ CERTIFIED ★
ACCURACY
MAX. RUNOUT
0.0016"

CAPACITY
UP TO
5/8"

| EDP | PART | CAPACITY | MOUNT | DIMENSIONS | | |
|---------|---------------|-------------|---------|------------|-------|-------|
| Number | Number | Inches | Style | ∅ | L1 | L2 |
| L31126B | JKP-30 J-0 | 1/64 - 1/8 | JT0 | 0.965 | 1.732 | 1.870 |
| L31127B | JKP-30 J-1 | 1/64 - 1/8 | JT1 | 0.965 | 1.732 | 1.870 |
| L31128B | JKP-30 R-5/16 | 1/64 - 1/8 | 5/16-24 | 0.965 | 1.732 | 1.870 |
| L31121B | JKP-65 J-1 | 1/64 - 1/4 | JT1 | 1.299 | 2.441 | 2.756 |
| L40002B | JKP-80 J-1 | 1/64 - 5/16 | JT1 | 1.496 | 2.638 | 2.913 |
| L9679B | JKP-80 J-2S | 1/64 - 5/16 | JT2 | 1.496 | 2.638 | 2.913 |
| L9681B | JKP-100 J-2 | 1/32 - 3/8 | JT2 | 1.693 | 3.189 | 3.504 |
| L9680B | JKP-100 J-33 | 1/32 - 3/8 | JT33 | 1.693 | 3.189 | 3.504 |
| L9683B | JKP-130 J-2 | 1/32 - 1/2 | JT2 | 1.929 | 3.583 | 4.055 |
| L9682B | JKP-130 J-33 | 1/32 - 1/2 | JT33 | 1.929 | 3.583 | 4.055 |
| L9684B | JKP-130 J-6 | 1/32 - 1/2 | JT6 | 1.929 | 3.583 | 4.055 |
| L40003B | JKP-160 J-33 | 1/8 - 5/8 | JT33 | 2.165 | 3.740 | 4.213 |
| L9685B | JKP-160 J-6 | 1/8 - 5/8 | JT6 | 2.165 | 3.740 | 4.213 |



Jacobs Taper or
Threaded Mount

See **JKT** (page10), which includes milled flats for up to 3x the gripping force with a supplemental wrench.

**CAN'T FIND WHAT YOU'RE
LOOKING FOR? JUST ASK!**

ADDITIONAL CONFIGURATIONS INCLUDING
DIN MOUNTS AVAILABLE, INQUIRE AT
SALES@QTIMPORTS.COM

JKT

Self-Tightening High Precision Keyless Drill Chuck with Supplementary Gripping Torque

- Use on CNC machines in drilling, boring, counter-boring and milling operations requiring heavy feed.
- Engineered with milled flats for supplemental gripping torque up to three times higher than hand tightening. (Spanner Wrench included)
- Resists tool loosening on high-speed machines with instant spindle stop
- Self-tightening mechanism automatically increases the clamping forces in proportion to the increase in torque during the drilling operation. This prevents tool slippage in clockwise rotation.
- Left hand rotation is available upon request

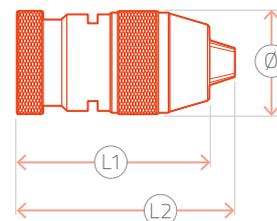


★ CERTIFIED ★
ACCURACY
MAX. RUNOUT
0.0016"

CAPACITY
UP TO
5/8"

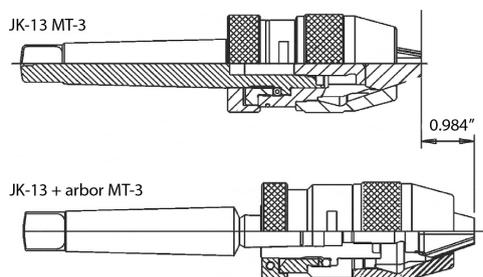
SUPPLEMENTAL
TIGHTENING

| EDP | PART | CAPACITY | MOUNT | DIMENSIONS | | |
|---------|--------------|-------------|-------|------------|-------|-------|
| Number | Number | Inches | Style | ∅ | L1 | L2 |
| L31122B | JKT-65 J-1 | 1/64 - 1/4 | 1JT | 1.299 | 2.441 | 2.756 |
| L30526B | JKT-80 J-2S | 1/64 - 5/16 | 2JT | 1.496 | 2.638 | 2.913 |
| L30533B | JKT-100 J-2 | 1/32 - 3/8 | 2JT | 1.693 | 3.189 | 3.504 |
| L30532B | JKT-100 J-33 | 1/32 - 3/8 | 33JT | 1.693 | 3.189 | 3.504 |
| L30527B | JKT-130 J-2 | 1/32 - 1/2 | 2JT | 1.929 | 3.583 | 4.055 |
| L30528B | JKT-130 J-33 | 1/32 - 1/2 | 33JT | 1.929 | 3.583 | 4.055 |
| L30529B | JKT-130 J-6 | 1/32 - 1/2 | 6JT | 1.929 | 3.583 | 4.055 |
| L30530B | JKT-160 J-6 | 1/8 - 5/8 | 6JT | 2.165 | 3.740 | 4.213 |



Jacobs Taper

If arbor is required, consider **JK-Solid** (page 8) with integrated shank for maximum rigidity and concentricity in a more compact single piece design.



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LOOKING FOR? JUST ASK!**

ADDITIONAL CONFIGURATIONS INCLUDING
DIN MOUNTS AVAILABLE, INQUIRE AT
SALES@QTIMPORTS.COM

JK-Industrial



CAPACITY
UP TO
3/4"

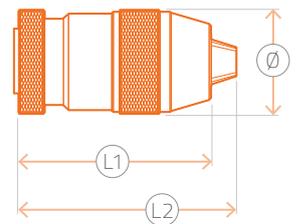
Keyless Precision Drill Chuck

- Self-tightening mechanism automatically increases the clamping forces in proportion to the increase in torque during the drilling operation. This prevents tool slippage in clockwise rotation.
- Automatic fitting for efficient, fast change of tools

Threaded Mount

| EDP Number | PART Number | CAPACITY Inches | MOUNT Style | DIMENSIONS | | |
|---------------|----------------|--------------------|----------------|------------|-------|-------|
| | | | | ∅ | L1 | L2 |
| L40160B | JK 06 R-3/8 | 1/64 - 1/4 | 3/8 - 24 | 1.339 | 2.480 | 2.756 |
| L40161B | JK 08 R-3/8 | 1/32 - 5/16 | 3/8 - 24 | 1.457 | 2.835 | 3.071 |
| L40162B | JK 08 R-1/2 | 1/32 - 5/16 | 1/2 - 20 | 1.457 | 2.835 | 3.071 |
| L40165B | JK 10 R-3/8 | 1/32 - 3/8 | 3/8 - 24 | 1.457 | 2.835 | 3.071 |
| L40439B | JK 10 R-3/8 ** | 1/32 - 3/8 | 3/8 - 24 | 1.457 | 2.835 | 3.071 |
| L40166B | JK 10 R-1/2 | 1/32 - 3/8 | 1/2 - 20 | 1.457 | 2.835 | 3.071 |
| L40440B | JK 10 R-1/2 ** | 1/32 - 3/8 | 1/2 - 20 | 1.457 | 2.835 | 3.071 |
| L40171B | JK 13 R-3/8 | 1/16 - 1/2 | 3/8 - 24 | 1.575 | 2.992 | 3.268 |
| L40443B | JK 13 R-3/8 ** | 1/16 - 1/2 | 3/8 - 24 | 1.575 | 2.992 | 3.268 |
| L40444B | JK 13 R-1/2 ** | 1/16 - 1/2 | 1/2 - 20 | 1.575 | 2.992 | 3.268 |
| L40175B | JK 16 R-1/2 | 1/8 - 5/8 | 1/2 - 20 | 2.047 | 3.740 | 4.134 |
| L40176B | JK 16 R-5/8 | 1/8 - 5/8 | 5/8 - 16 | 2.047 | 3.740 | 4.134 |

**Retail packaging available upon request



Jacobs Taper or
Threaded Mount

Taper Mount

| EDP Number | PART Number | CAPACITY Inches | MOUNT Style | DIMENSIONS | | |
|---------------|----------------|--------------------|----------------|------------|-------|-------|
| | | | | ∅ | L1 | L2 |
| L40158B | JK 04 J-1 | 1/64 - 5/32 | 1JT | 1.024 | 1.969 | 2.165 |
| L40159B | JK 06 J-1 | 1/64 - 1/4 | 1JT | 1.339 | 2.480 | 2.756 |
| L40163B | JK 08 J-1 | 1/32 - 5/16 | 1JT | 1.457 | 2.835 | 3.071 |
| L40164B | JK 08 J-25 | 1/32 - 5/16 | 2JT | 1.457 | 2.835 | 3.071 |
| L40167B | JK 10 J-2 | 1/32 - 3/8 | 2JT | 1.575 | 3.110 | 3.386 |
| L40221B | JK 10 J-33 | 1/32 - 3/8 | 33JT | 1.575 | 3.110 | 3.386 |
| L40168B | JK 13 J-2 | 1/32 - 1/2 | 2JT | 1.850 | 3.661 | 4.055 |
| L40169B | JK 13 J-33 | 1/32 - 1/2 | 33JT | 1.850 | 3.661 | 4.055 |
| L40170B | JK 13 J-6 | 1/32 - 1/2 | 6JT | 1.850 | 3.661 | 4.055 |
| L40173B | JK 16 J-33 | 1/8 - 5/8 | 33JT | 2.047 | 3.740 | 4.134 |
| L40174B | JK 16 J-6 | 1/8 - 5/8 | 6JT | 2.047 | 3.740 | 4.134 |
| L40177B | JK 20 J-3 | 3/16 - 3/4 | 3JT | 2.520 | 4.764 | 5.157 |

CBB

Super Ball-Bearing Drill Chuck with Key

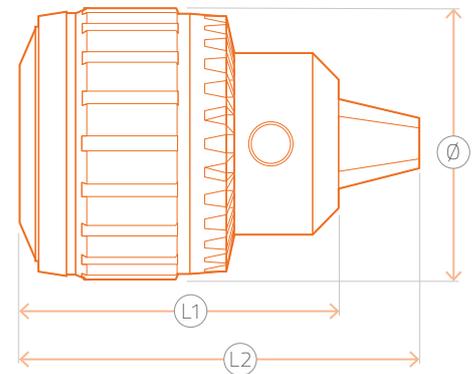
- For industrial applications that require the toughest machining conditions
- Ball bearings reduce friction in the tightening mechanism and provide a better grip on the drill shaft.
- All CBB components are hardened and ground
- One-piece gear ring and sleeve eliminate the possibility of tooth breakage
- Jacobs® taper mount standard



CAPACITY
UP TO
1"



| EDP Number | PART Number | CAPACITY Inches | MOUNT Style | KEY Type | DIMENSIONS | | |
|---------------|----------------|--------------------|----------------|-------------|------------|-------|-------|
| | | | | | ∅ | L1 | L2 |
| L40072B | CBB-13 J3 | 1/32 - 1/2 | 3JT | K3 | 2.441 | 2.953 | 3.701 |
| L40626B | CBB-13 J6 | 1/32 - 1/2 | 6JT | K3 | 2.441 | 2.953 | 3.701 |
| L40073B | CBB-16 J3 | 1/16 - 5/8 | 3JT | K4 | 2.638 | 3.189 | 4.016 |
| L40074B | CBB-19 J4 | 1/8 - 3/4 | 4JT | K4 | 2.953 | 3.898 | 4.921 |
| L40075B | CBB-25 J5 | 13/64 - 1 | 5JT | K5 | 3.661 | 4.409 | 5.787 |



Jacobs Taper

**CAN'T FIND WHAT YOU'RE
LOOKING FOR? JUST ASK!**

ADDITIONAL CONFIGURATIONS INCLUDING
DIN MOUNTS AVAILABLE, INQUIRE AT
SALES@QTIMPORTS.COM

PRODUCTION KEYED DRILL CHUCKS

CY

Performance Plain Bearing Drill Chuck with Key

- One-piece gear ring and sleeve eliminate the possibility of tooth breakage
- Jaws, gear ring and body are totally hardened for exceptional tool life
- Specially designed for stationary drilling, turning, milling and wood working machines.
- Available in Jacobs® taper or screw thread mounts



CAPACITY
UP TO
3/4"

KEYED

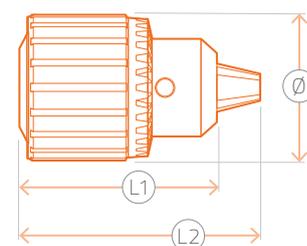


Heavy Duty

| EDP | PART | CAPACITY | MOUNT | KEY | DIMENSIONS | | |
|---------|----------------|------------|----------|------|------------|-------|-------|
| Number | Number | Inches | Style | Type | ∅ | L1 | L2 |
| L40125B | CY-10 R-1/2 SP | 1/64 - 3/8 | 1/2 - 20 | K34 | 1.692 | 2.086 | 2.677 |
| L40116B | CYX-13 J-2 | 3/64 - 1/2 | 2JT | K3 | 2.087 | 2.717 | 3.504 |
| L40117B | CYX-13 J-6 | 3/64 - 1/2 | 6JT | K3 | 2.087 | 2.717 | 3.504 |
| L40118B | CYX-13 J-33 | 3/64 - 1/2 | 33JT | K3 | 2.087 | 2.717 | 3.504 |

Medium Duty

| EDP | PART | CAPACITY | MOUNT | KEY | DIMENSIONS | | |
|---------|----------------|-------------|-----------|------|------------|-------|-------|
| Number | Number | Inches | Style | Type | ∅ | L1 | L2 |
| L40137B | CY-04 R-5/16 | 1/32 - 5/32 | 5/16 - 24 | K0 | 0.866 | 1.496 | 1.732 |
| L40129B | CY-04 J-0 | 1/32 - 5/32 | 0JT | K0 | 0.866 | 1.142 | 1.417 |
| L40138B | CY-06 R-3/8 | 1/32 - 1/4 | 3/8 - 24 | CK4 | 1.260 | 1.654 | 2.047 |
| L40140B | CY-10 R-3/8 | 1/32 - 3/8 | 3/8 - 24 | K34 | 1.457 | 2.008 | 2.362 |
| L40142B | CY-10 R-1/2 | 1/32 - 3/8 | 1/2 - 20 | K34 | 1.457 | 2.008 | 2.362 |
| L40132B | CY-10 J-1 | 1/32 - 3/8 | 1JT | K34 | 1.457 | 2.008 | 2.362 |
| L40133B | CY-10 J-2 | 1/32 - 3/8 | 2JT | K34 | 1.457 | 2.008 | 2.362 |
| L40144B | CY-13 R-3/8 | 3/64 - 1/2 | 3/8 - 24 | K2 | 1.811 | 2.441 | 3.031 |
| L40143B | CY-13 R-1/2 | 3/64 - 1/2 | 1/2 - 20 | K2 | 1.811 | 2.441 | 3.031 |
| L40145B | CY-13 R-5/8 | 3/64 - 1/2 | 5/8 - 16 | K2 | 1.811 | 2.441 | 3.031 |
| L40134B | CY-13 J-33 | 3/64 - 1/2 | 33JT | K2 | 1.811 | 2.441 | 3.031 |
| L40136B | CY-13 J-33 KD1 | 3/64 - 1/2 | 33JT | K2 | 1.811 | 2.795 | 3.386 |
| L40119B | CYX-13 J-33C3 | 3/64 - 1/2 | 33JT | K3 | 2.087 | 3.386 | 4.173 |
| L40528B | CY-13 J-6 | 3/64 - 1/2 | 6JT | K2 | 1.811 | 2.440 | 3.031 |
| L40126B | CY-16 R-1/2 | 1/16 - 5/8 | 1/2 - 20 | K3 | 2.244 | 3.031 | 3.740 |
| L40123B | CY-16 R-5/8 | 1/32 - 5/8 | 5/8 - 16 | K3 | 2.244 | 3.031 | 3.740 |
| L40531B | CY-16 J-33 | 1/32 - 5/8 | 33JT | K3 | 2.244 | 3.031 | 3.740 |
| L40532B | CY-16 J-6 | 1/32 - 5/8 | 6JT | K3 | 2.244 | 3.031 | 3.740 |
| L40113B | CY-16 J-3 | 1/32 - 5/8 | 3JT | K3 | 2.168 | 3.069 | 3.740 |
| L40114B | CY-16 J-3 KD1 | 1/32 - 5/8 | 3JT | K3 | 2.244 | 3.346 | 4.016 |
| L40115B | CY-16 J-3 PD2 | 1/32 - 5/8 | 3JT | K3 | 2.244 | 3.346 | 4.016 |
| L40120B | CY-19 J-3 | 13/64 - 3/4 | 3JT | K4 | 2.559 | 3.346 | 4.331 |
| L40121B | CY-19 J-3 KD1 | 13/64 - 3/4 | 3JT | K4 | 2.559 | 3.504 | 4.567 |
| L40122B | CY-19 J-3 PD2 | 13/64 - 3/4 | 3JT | K4 | 2.559 | 3.504 | 4.567 |



Jacobs Taper or
Threaded Mount

KD1 = POSITIVE DRIVE SLOT
PD2 = PIN TYPE POSITIVE DRIVE
C3 = LOCKING COLLAR

INOX Series: Stainless

Available in keyed and keyless models



- Manufactured from stainless steel to withstand chemical corrosion.
- Identified with special laser markings to hold up to the autoclave process.
- FGE keyless chucks have milled instead of knurled grip areas to ensure non-slip hand tightening free of sharp edges. Excellent choice for use when operating with rubber gloves.
- All FGE and GE drill chucks models are bead blasted with glass balls and have a passivation treatment by an electro-polishing technique. This adds additional protection against all types of corrosion, eliminates undesirable residual contaminants and improves the finish of the surface profile.
- For the insertion of nails, screws, pins and other medical fasteners, all chucks come with a through hole.
- Special designs, sizes and mounts for all types of applications are available upon request.
- Lubricated with a special grease for food and medical applications.



**CAN'T FIND WHAT YOU'RE
LOOKING FOR? JUST ASK!**

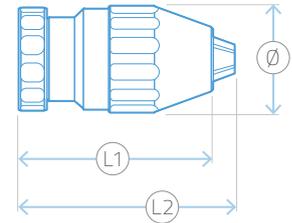
**ADDITIONAL CONFIGURATIONS AVAILABLE,
INQUIRE AT SALES@QTIMPORTS.COM**

SP

Threaded Mount

KEYLESS

| EDP Number | PART Number | CAPACITY Inches | MOUNT Style | DIMENSIONS | | |
|---------------|-------------------|--------------------|----------------|------------|-------|-------|
| | | | | Ø | L1 | L2 |
| L14717B | SP-03 R-3/8 FGE-S | .012 - .125 | 3/8 - 24 | 1.043 | 1.751 | 1.893 |
| L40706B | SP-03 R-5/16 FGE | .012 - .125 | 5/16 - 24 | 1.043 | 1.751 | 1.893 |
| L40751B | SP-07 R-3/8 FGE-C | .012 - .291 | 3/8 - 24 | 1.181 | 2.205 | 2.470 |



Jacobs Taper or Threaded Mount

Tapered Mount

| EDP Number | PART Number | CAPACITY Inches | MOUNT Style | DIMENSIONS | | |
|---------------|----------------|--------------------|----------------|------------|-------|-------|
| | | | | Ø | L1 | L2 |
| L40704B | SP-15 J0 FGE | .008 - .059 | OJT | 0.779 | 1.397 | 1.468 |
| L40705B | SP-03 J0 FGE | .012 - .125 | OJT | 1.043 | 1.751 | 1.893 |
| L40750B | SP-07 J1 FGE-C | .012 - .291 | 1JT | 1.181 | 2.283 | 2.549 |

C = COMPACT VERSION

FGE = NOSE & COLLAR HAVE MILLED SECTIONS, BEAD BLASTED

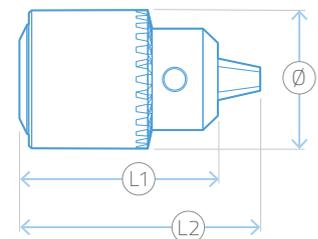
GE = BEAD BLASTED SLEEVE

CSS

Threaded Mount

KEYED

| EDP Number | PART Number | CAPACITY Inches | MOUNT Style | KEY Type | DIMENSIONS | | |
|---------------|---------------------|--------------------|----------------|-------------|------------|-------|-------|
| | | | | | Ø | L1 | L2 |
| L40732B | CSS-04 R-5/16 GE | .020 - .156 | 5/16 - 24 | K0M | 0.866 | 1.181 | 1.366 |
| L14720B | CSS-06 R-3/8 GE DS | .020 - .291 | 3/8 - 24 | K1M | 1.118 | 1.575 | 1.980 |
| L40735B | CSS-06 R-5/16 GE-DS | .020 - .291 | 5/16 - 24 | K1M | 1.118 | 1.575 | 1.980 |



Jacobs Taper or Threaded Mount

Tapered Mount

| EDP Number | PART Number | CAPACITY Inches | MOUNT Style | KEY Type | DIMENSIONS | | |
|---------------|----------------|--------------------|----------------|-------------|------------|-------|-------|
| | | | | | Ø | L1 | L2 |
| L40731B | CSS-04 J0 GE | .020 - .156 | OJT | K0M | 0.866 | 1.102 | 1.378 |

Chucks with a capacity up to 7.4mm/0.291" are ideal to hold Zimmer accessories.

Arbors for Drill Chucks

Lambrich arbors are Completely hardened and precision ground to ensure a close fit for maximum concentricity.



Morse Taper to Jacobs® Taper

| EDP Number | Part Number | Morse Taper | Jacobs® Taper |
|------------|-------------|-------------|---------------|
| LEJ010B | E-J0/1 | 1 | 0 |
| LEJ011B | E-J1/1 | 1 | 1 |
| LEJ012B | E-J2/1 | 1 | 2 |
| LEJ013B | E-J3/1 | 1 | 3 |
| LEJ016B | E-J6/1 | 1 | 6 |
| LEJ133B | E-J33/1 | 1 | 33 |
| LEJ021B | E-J1/2 | 2 | 1 |
| LEJ022B | E-J2/2 | 2 | 2 |
| LEJ023B | E-J3/2 | 2 | 3 |
| LEJ026B | E-J6/2 | 2 | 6 |
| LEJ233B | E-J33/2 | 2 | 33 |
| LEJ031B | E-J1/3 | 3 | 1 |
| LEJ032B | E-J2/3 | 3 | 2 |
| LEJ033B | E-J3/3 | 3 | 3 |
| LEJ036B | E-J6/3 | 3 | 6 |
| LEJ333B | E-J33/3 | 3 | 33 |
| LEJ034B | E-J4/3 | 3 | 4 |
| LEJ035B | E-J5/3 | 3 | 5 |
| LEJ042B | E-J2/4 | 4 | 2 |
| LEJ043B | E-J3/4 | 4 | 3 |
| LEJ046B | E-J6/4 | 4 | 6 |
| LEJ433B | E-J33/4 | 4 | 33 |
| LEJ044B | E-J4/4 | 4 | 4 |
| LEJ045B | E-J5/4 | 4 | 5 |
| LEJ055B | E-J5/5 | 5 | 5 |



Morse Taper to Threaded Mount

| EDP Number | Part Number | Threaded Mount | Morse Taper |
|------------|-------------|----------------|-------------|
| L40585B | E-MT2-3/8 | 3/8-24 | 2 |
| L40586B | E-MT2-1/2 | 1/2-20 | 2 |
| L40587B | E-MT2-5/8 | 5/8-16 | 2 |



Straight Shank to Jacobs® Taper

| EDP Number | Part Number | Straight Shank | Jacobs® Taper |
|------------|-------------|----------------|---------------|
| L40588B | E-1/2-J0 | 1/2 | 0 |
| L40589B | E-1/2-J1 | 1/2 | 1 |
| L40590B | E-1/2-J2 | 1/2 | 2 |
| L40591B | E-1/2-J3 | 1/2 | 3 |
| L40592B | E-1/2-J33 | 1/2 | 33 |
| L40593B | E-1/2-J4 | 1/2 | 4 |
| L40594B | E-1/2-J6 | 1/2 | 6 |
| L40595B | E-5/8-J1 | 5/8 | 1 |
| L40596B | E-5/8-J2 | 5/8 | 2 |
| L40597B | E-5/8-J3 | 5/8 | 3 |
| L40598B | E-5/8-J33 | 5/8 | 33 |
| L40599B | E-5/8-J4 | 5/8 | 4 |
| L40600B | E-5/8-J6 | 5/8 | 6 |
| L40601B | E-3/4-J2 | 3/4 | 2 |
| L40602B | E-3/4-J3 | 3/4 | 3 |
| L40603B | E-3/4-J33 | 3/4 | 33 |
| L40604B | E-3/4-J4 | 3/4 | 4 |
| L40605B | E-3/4-J6 | 3/4 | 6 |
| L40606B | E-1-J2 | 1 | 2 |
| L40607B | E-1-J3 | 1 | 3 |
| L40608B | E-1-J33 | 1 | 33 |
| L40609B | E-1-J4 | 1 | 4 |
| L40610B | E-1-J6 | 1 | 6 |
| L40611B | E-1-1/2-J3 | 1-1/2 | 3 |
| L40612B | E-1-1/2-J4 | 1-1/2 | 4 |



R-8 Shank to Jacobs® Taper

| EDP Number | Part Number | Jacobs® Taper |
|------------|-------------|---------------|
| L40579B | E-R8-J1 | 1 |
| L40580B | E-R8-J2 | 2 |
| L40581B | E-R8-J3 | 3 |
| L40582B | E-R8-J33 | 33 |
| L40583B | E-R8-J4 | 4 |
| L40584B | E-R8-J6 | 6 |

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**ADDITIONAL CONFIGURATIONS AVAILABLE,
INQUIRE AT SALES@QTIMPORTS.COM**

Drill Sleeves

Completely hardened and ground externally and internally to ensure a tight fit.



Drill Sleeves DIN-2185

| EDP Number | Part Number | Morse Taper | |
|------------|-------------|-------------|--------|
| | | Outside | Inside |
| LCR021B | CR-2 x 1 | 2 | 1 |
| LCR031B | CR-3 x 1 | 3 | 1 |
| LCR032B | CR-3 x 2 | 3 | 2 |
| LCR041B | CR-4 x 1 | 4 | 1 |
| LCR042B | CR-4 x 2 | 4 | 2 |
| LCR043B | CR-4 x 3 | 4 | 3 |
| LCR051B | CR-5 x 1 | 5 | 1 |
| LCR052B | CR-5 x 2 | 5 | 2 |
| LCR053B | CR-5 x 3 | 5 | 3 |
| LCR054B | CR-5 x 4 | 5 | 4 |
| L40414B | CR-6 x 2 | 6 | 2 |
| L40415B | CR-6 x 3 | 6 | 3 |
| L40416B | CR-6 x 4 | 6 | 4 |
| L40417B | CR-6 x 5 | 6 | 5 |

Ejecting Drift

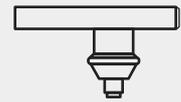
Assists in ejecting Morse taper arbors from drill sleeves or machine spindles

- Tempered steel



| EDP No. | Part No. | Morse Taper |
|---------|----------|-------------|
| L40418B | CE 1-2 | 1 & 2 |
| L40419B | CE 2-3 | 2 & 3 |
| L40420B | CE 3-4 | 3 & 4 |
| L40421B | CE 4-5 | 4 & 5 |
| L40422B | CE 5-6 | 5 & 6 |

Keys

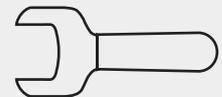


| CSS | Chuck EDP | Part No. | Key EDP |
|-----|-----------|----------|---------|
| | CSS-04 | K0M | L40235A |
| | CSS-06 | K1M | L40233A |

| CBB | Chuck EDP | Part No. | Key EDP |
|-----|-----------|----------|---------|
| | CBB-08 | K30 | L40088A |
| | CBB-10 | K32 | L40089A |
| | CBB-13 | K3 | L40090A |
| | CBB-16 | K4 | L40091A |
| | CBB-19 | K4 | L40091A |
| | CBB-25 | K5 | L40093A |

| CY | Chuck EDP | Part No. | Key EDP |
|----|-----------|----------|---------|
| | CY-04 | K0 | L40535A |
| | CY-06 | CK4 | L40578A |
| | CY-06 SP | K34 | L40578A |
| | CY-10 | K34 | L40537A |
| | CY-10 SP | K34 | L40537A |
| | CY-13 | K2 | L40538A |
| | CYX-13 | K3 | L40090A |
| | CY-16 | K3 | L40090A |
| | CY-19 | K4 | L40091A |

Wrenches

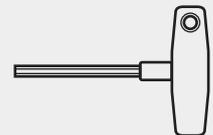


| NPU | Chuck EDP | Part No. | Wrench EDP |
|-----|-----------|----------|------------|
| | NPU-08 | 0812 | L30622A |
| | NPU-13 | 1312 | L40066A |
| | NPU-16 | 1612 | L40067A |

| JKT | Chuck EDP | Part No. | Wrench EDP |
|-----|-----------|----------|------------|
| | JKT-65 | 0612 | L31123A |
| | JKT-80 | 0812 | L30622A |
| | JKT-100 | 1012 | L40065A |
| | JKT-130 | 1312 | L40066A |
| | JKT-160 | 1612 | L40067A |

| JK-Solid | Chuck EDP | Part No. | Wrench EDP |
|----------|-----------|----------|------------|
| | JK-08 | 0812 | L30622A |
| | JK-10 | 1012 | L40065A |
| | JK-13 | 1312 | L40066A |
| | JK-16 | 1612 | L40067A |

Hex Keys

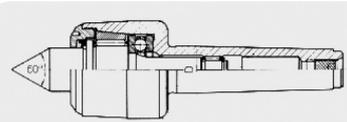


| HEXA | Chuck EDP | Part No. | Key EDP |
|------|-----------|----------|---------|
| | HX-10 | HX-10 | L40068A |
| | HX-13 | HX-13-16 | L40069A |
| | HX-16 | HX-13-16 | L40069A |

Live Centers

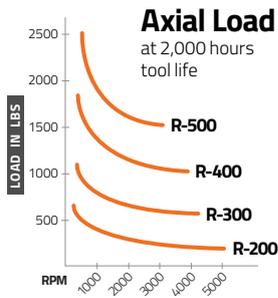
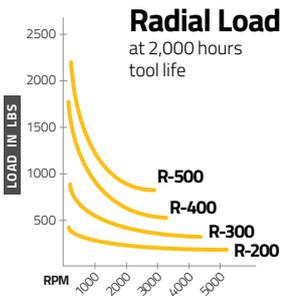
Live Centers for Accurate Work Holding in Conventional or CNC Lathes

- Llambrich revolving lathe centers are of high precision
- Capable of bearing up to 2,200 lbs workload and speeds of up to 5,000 rpm
- Fully hardened and precision ground
- Standard or extended nose configurations
- Maintenance free



The use of needle bearings in the head and end of the turning axle, as well as the assembly of precision axial bearings, means that heavy duty work can be carried out with reduced body sizes.

★ CERTIFIED ★
ACCURACY
MAX. RUNOUT
UP TO
0.00012"

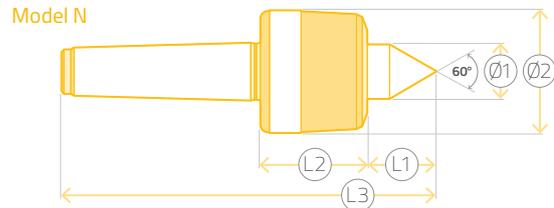


Max. Runout by Model

| | |
|-------|----------|
| R-200 | 0.00012" |
| R-300 | 0.00012" |
| R-400 | 0.00012" |
| R-500 | 0.00016" |

Model N

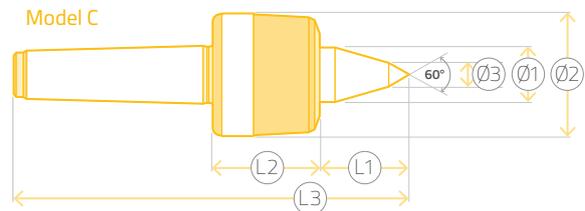
For a wide range of general turning work.



| EDP Number | PART Number | MORSE TAPER | LOAD FACTOR lbs | MAX RUNOUT | DIMENSIONS | | | | | |
|------------|-------------|-------------|-----------------|------------|------------|-------|----|-------|-------|-------|
| | | | | | Ø1 | Ø2 | Ø3 | L1 | L2 | L3 |
| LGN200B | R-200-N | 2 | 400 | 0.00012" | 0.709 | 1.654 | -- | 0.945 | 1.378 | 5.039 |
| LGN300B | R-300-N | 3 | 890 | 0.00012" | 0.866 | 1.929 | -- | 1.142 | 1.850 | 6.417 |
| LGN400B | R-400-N | 4 | 1,765 | 0.00012" | 1.181 | 2.480 | -- | 1.378 | 2.047 | 7.717 |
| LGN500B | R-500-N | 5 | 3,860 | 0.00016" | 1.299 | 3.346 | -- | 1.890 | 2.520 | 9.843 |

Model C

Increases tool clearance and operator visibility for work on small parts or machining close to workpiece end.

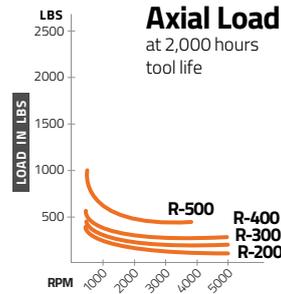
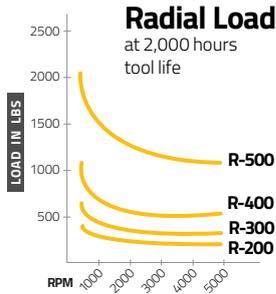


| EDP Number | PART Number | MORSE TAPER | LOAD FACTOR lbs | MAX RUNOUT | DIMENSIONS | | | | | |
|------------|-------------|-------------|-----------------|------------|------------|-------|-------|-------|-------|--------|
| | | | | | Ø1 | Ø2 | Ø3 | L1 | L2 | L3 |
| LGC300B | R-300-C | 3 | 890 | 0.00012" | 0.866 | 1.929 | 0.394 | 1.496 | 1.850 | 6.850 |
| LGC400B | R-400-C | 4 | 1,765 | 0.00012" | 1.181 | 2.480 | 0.433 | 1.811 | 2.047 | 8.150 |
| LGC500B | R-500-C | 5 | 3,860 | 0.00016" | 1.299 | 3.346 | 0.709 | 2.520 | 2.520 | 10.472 |

Small Diameter Live Centers

Small Casing Diameter

- Small diameter for optimum accessibility
- Additional bearings to compensate axial load
- Morse tapers hardened and ground
- High concentricity
- Lubricated for life
- Maintenance free



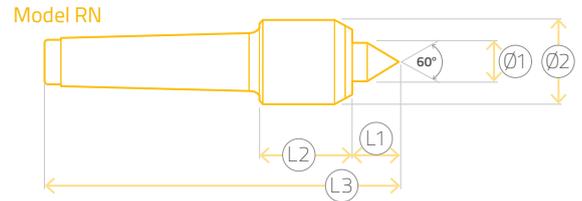
Max. Runout by Model

| | |
|-------|----------|
| R-200 | 0.00019" |
| R-300 | 0.00019" |
| R-400 | 0.00019" |
| R-500 | 0.00031" |



Model RN

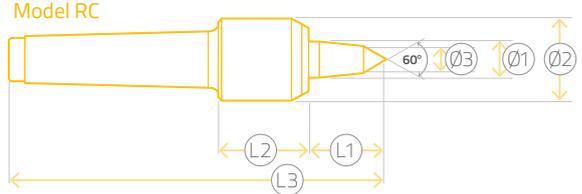
For a wide range of general turning work.



| EDP Number | PART Number | MORSE TAPER | LOAD FACTOR lbs | MAX RUNOUT | DIMENSIONS | | | | | |
|------------|-------------|-------------|-----------------|------------|------------|-------|----|-------|-------|-------|
| | | | | | Ø1 | Ø2 | Ø3 | L1 | L2 | L3 |
| L40548B | R-200-RN | 2 | 440 | 0.00019" | 0.591 | 1.260 | -- | 0.787 | 1.535 | 5.000 |
| L40549B | R-300-RN | 3 | 880 | 0.00019" | 0.591 | 1.339 | -- | 0.787 | 1.575 | 5.709 |
| L40550B | R-400-RN | 4 | 1765 | 0.00019" | 0.787 | 1.693 | -- | 1.024 | 1.654 | 7.087 |
| L40551B | R-500-RN | 5 | 2645 | 0.00031" | 1.181 | 2.283 | -- | 1.457 | 2.362 | 9.252 |

Model RC

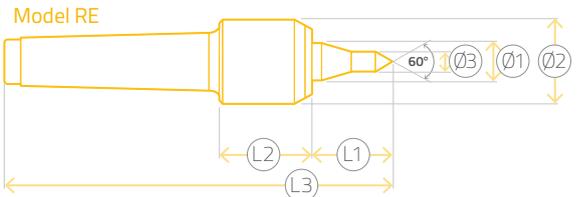
Increases tool clearance and operator visibility for work on small parts or machining close to workpiece end.



| EDP Number | PART Number | MORSE TAPER | LOAD FACTOR lbs | MAX RUNOUT | DIMENSIONS | | | | | |
|------------|-------------|-------------|-----------------|------------|------------|-------|-------|-------|-------|-------|
| | | | | | Ø1 | Ø2 | Ø3 | L1 | L2 | L3 |
| L40552B | R-200-RC | 2 | 330 | 0.00019" | 0.591 | 1.260 | 0.315 | 1.181 | 1.535 | 5.394 |
| L40553B | R-300-RC | 3 | 660 | 0.00019" | 0.591 | 1.339 | 0.315 | 1.181 | 1.575 | 6.102 |
| L40554B | R-400-RC | 4 | 1545 | 0.00019" | 0.787 | 1.693 | 0.394 | 1.417 | 1.654 | 7.480 |
| L40555B | R-500-RC | 5 | 2200 | 0.00031" | 1.181 | 2.283 | 0.472 | 2.008 | 2.362 | 9.646 |

Model RE

Maximum tool clearance and operator visibility for work on small parts or machining close to workpiece end.



| EDP Number | PART Number | MORSE TAPER | LOAD FACTOR lbs | MAX RUNOUT | DIMENSIONS | | | | | |
|------------|-------------|-------------|-----------------|------------|------------|-------|-------|-------|-------|-------|
| | | | | | Ø1 | Ø2 | Ø3 | L1 | L2 | L3 |
| L40556B | R-200-RE | 2 | 285 | 0.00019" | 0.591 | 1.260 | 0.236 | 1.181 | 1.535 | 5.394 |
| L40557B | R-300-RE | 3 | 615 | 0.00019" | 0.591 | 1.339 | 0.315 | 1.220 | 1.575 | 6.102 |
| L40558B | R-400-RE | 4 | 1435 | 0.00019" | 0.787 | 1.693 | 0.394 | 1.496 | 1.654 | 7.480 |
| L40559B | R-500-RE | 5 | 2050 | 0.00031" | 1.181 | 2.283 | 0.472 | 1.929 | 2.362 | 9.646 |



Conversion Chart



Hexa: page 6

| Llamblich® EDP | Llamblich® Part Number | Jacobs® Part Number | Albrecht® Part Number | LFA® Part Number | Rohm® Part Number |
|----------------|------------------------|---------------------|-----------------------|------------------|-------------------|
| L40016B | HX-13 CA-40 | - | KL130 - CAT40 | - | - |
| L40020B | HX-16 CA-40 | - | KL160 - CAT40 | - | - |
| L40024B | HX-16 CA-50 | - | KL160 - CAT50 | - | - |
| L40008B | HX-13 BT-40 | - | KL130 - BT40 | - | - |
| L40012B | HX-16 BT-40 | - | KL160 - BT40 | - | - |
| L40014B | HX-16 BT-50 | - | KL160 - BT50 | - | - |
| L40021B | HX-13 CA-40/R | - | KL130 - CAT40C | - | - |
| L40025B | HX-16 CA-40/R | - | KL160 - CAT40C | - | - |
| L40027B | HX-16 CA-50/R | - | KL160 - CAT50C | - | - |
| L40005B | HX-13 BT-40/R | - | KL130 - BT40C | - | - |
| L40009B | HX-16 BT-40/R | - | KL160 - BT40C | - | - |
| L40015B | HX-16 BT-50/R | - | KL160 - BT50C | - | - |
| L40029B | HX-13 HSK-63 /R | - | KL130-HSK63 | - | - |
| L40031B | HX-13 HSK-100/R | - | KL130-HSK100 | - | - |
| L40033B | HX-16 HSK-63 /R | - | KL160-HSK63 | - | - |
| L40035B | HX-16 HSK-100/R | - | KL160-HSK100 | - | - |
| L40036B | HX-13 VDI-30 | - | KL130-VDI30C | - | - |
| L40037B | HX-13 VDI-40 | - | KL130-VDI40C | - | - |
| L40039B | HX-16 VDI-30 | - | KL160-VDI30C | - | - |
| L40040B | HX-16 VDI-40 | - | KL160-VDI40C | - | - |



JK Solid: page 8

| Llamblich® EDP | Llamblich® Part Number | Jacobs® Part Number | Albrecht® Part Number | LFA® Part Number | Rohm® Part Number |
|----------------|------------------------|---------------------|-----------------------|------------------|-------------------|
| L31411B | JK-130 R-8 | JK130-R8 | CP130-R8 | 71052 | - |
| L31416B | JK-160 R-8 | JK160-R8 | CP160-R8 | 81052 | - |
| L31406B | JK-08 MT2 | JK80-MT2 | - | - | - |
| L31407B | JK-10 MT2 | JK100-MT2 | - | - | - |
| L31408B | JK-13 MT2 | JK130-MT2 | CP130-2MT | - | - |
| L31409B | JK-13 MT3 | JK130-MT3 | CP130-3MT | - | - |
| L31410B | JK-13 MT4 | JK130-MT4 | CP130-4MT | - | - |
| L31413B | JK-16 MT2 | JK160-MT2 | CP160-2MT | - | - |
| L31414B | JK-16 MT3 | JK160-MT3 | CP160-3MT | - | - |
| L31415B | JK-16 MT4 | JK160-MT4 | CP160-4MT | - | - |
| L31412B | JK-130 5/8 | JK130-5/8 | CP130-5/8 | - | - |



JKP: page 9

| Llamblich® EDP | Llamblich® Part Number | Jacobs® Part Number | Albrecht® Part Number | LFA® Part Number | Rohm® Part Number |
|----------------|------------------------|---------------------|-----------------------|------------------|-------------------|
| L31126B | JKP-30 J-0 | JKP 30-J0 | C30-J0 | - | - |
| L31127B | JKP-30 J-1 | JKP 30-J1 | C30-J1 | - | - |
| L31128B | JKP-30 R-5/16 | JKP 30-5/16 | CT30-5/16 | - | - |
| L31121B | JKP-65 J-1 | JKP 65-J1 | C65-J1 | - | 871005 |
| L40002B | JKP-80 J-1 | JKP 80-J1 | - | - | 871007 |
| L9679B | JKP-80 J-25 | JKP 80-J25 | C80-J2 | - | - |
| L9681B | JKP-100 J-2 | JKP 100-J2 | C100-J2 | 725A-J2 | 871010 |
| L9680B | JKP-100 J-33 | JKP 100-J33 | C100-J33 | - | 871011 |
| L9683B | JKP-130 J-2 | JKP 130-J2 | C130-J2 | - | 871013 |
| L9682B | JKP-130 J-33 | JKP 130-J33 | C130-J33 | 735A-J33 | 871014 |
| L9684B | JKP-130 J-6 | JKP 130-J6 | C130-J6 | 735A-J6 | 871015 |
| L40003B | JKP-160 J-33 | JKP160-J33 | - | - | - |
| L9685B | JKP-160 J-6 | JKP 160-J6 | C160-J6 | 745A-J6 | 871018 |



JKT: page 10

| Llamblich® EDP | Llamblich® Part Number | Jacobs® Part Number | Albrecht® Part Number | LFA® Part Number | Rohm® Part Number |
|----------------|------------------------|---------------------|-----------------------|------------------|-------------------|
| L31122B | JKT-65 J-1 | JKT 65-J1 | - | - | - |
| L30526B | JKT-80 J-25 | JKT 80-J25 | - | - | - |
| L30533B | JKT-100 J-2 | JKT 100-J2 | - | - | - |
| L30523B | JKT-100 J-33 | JKT 100-J33 | - | - | - |
| L30527B | JKT-13- J-2 | JKT 130-J2 | - | - | - |
| L30528B | JKT-130 J-33 | JKT 130-J33 | - | 735T-J33 | - |
| L30529B | JKT-130 J-6 | JKT 130-J6 | - | 735T-J6 | - |
| L30530B | JKT-160 J-6 | JKT 160-J6 | - | - | - |

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JK-Industrial: page 11

| Llambrich® EDP | Llambrich® Part Number | Jacobs® Part Number | Albrecht® Part Number | LFA® Part Number | Rohm® Part Number |
|----------------|------------------------|---------------------|-----------------------|------------------|-------------------|
| L40158B | JK 04 J-1 | - | - | - | - |
| L40159B | JK 06 J-1 | - | - | - | - |
| L41060B | JK 06 R-3/8 | - | - | - | - |
| L40161B | JK 08 R-3/8 | JK 80 3/8 | - | - | 871034 |
| L40162B | JK 08 R-1/2 | JK 80 1/2 | - | - | 871035 |
| L40163B | JK 08 J-1 | JK 80 J1 | - | 61BA-J1 | 871033 |
| L40164B | JK 08 J-2S | JK 80 J2 | - | - | - |
| L40165B | JK 10 R-3/8 | JK 100 3/8 | - | 520-3/8-24 | 871044 |
| L40166B | JK 10 R-1/2 | JK 100 1/2 | - | 520-1/2-20 | 871045 |
| L40167B | JK 10 J-2 | JK100 J2 | - | 62A-J2 | 871042 |
| L40221B | JK 10 J-33 | JK 100 J33 | - | 62A-J33 | 871043 |
| L40168B | JK 13 J-2 | JK 130 J2 | - | - | 871048 |
| L40169B | JK 13 J-33 | JK 130 J33 | - | 63A-J33 | 871053 |
| L40170B | JK 13 J-6 | JK 130 J6 | - | 63A-J6 | 871054 |
| L40171B | JK 13 R-3/8 | JK 130 3/8 | - | 5322A CAR | 871049 |
| L40172B | JK 13 R-1/2 | JK 130 1/2 | - | 5322A CAR | 871050 |
| L40173B | JK 16 J-33 | JK 160 J33 | - | 64A-J33 | 871060 |
| L40174B | JK 16 J-6 | JK 160 J6 | - | 64A-J6 | 871066 |
| L40175B | JK 16 R-1/2 | JK 160 1/2 | - | - | 871062 |
| L40176B | JK 16 R-5/8 | JK 160 5/8 | - | - | 871063 |
| L40177B | JK 20 J-3 | JK 200 J3 | - | - | - |



SP: page 14

| Llambrich® EDP | Llambrich® Part Number | Jacobs® Part Number |
|----------------|------------------------|---------------------|
| L40000 | SP-03 R-3/8 SS | OM KL-0JT |
| L40001 | SP-06 R-3/8 SS | 1M KL-1JT |



CSS: page 15

| Llambrich® EDP | Llambrich® Part Number | Jacobs® Part Number |
|----------------|------------------------|---------------------|
| L40680B | CSS-04 JO GE | OM |
| L13967B | CSS-04 R-5/16 GE | OBM 5/16 |
| L40696B | CSS-06 J1 GE-DS | 1M |
| L14720B | CSS-06 R-3/8 GE-DS | 1BM 3/8 |
| L40699B | CSS-06 R-5/16 GE-DS | 1BM 5/16 |



CBB: page 12

| Llambrich® EDP | Llambrich® Part Number | Jacobs® Part Number | Albrecht® Part Number | LFA® Part Number | Rohm® Part Number |
|----------------|------------------------|---------------------|-----------------------|------------------|-------------------|
| L40070B | CBB-08 J2 | 8-1/2N | - | 81BS-13A-J2 | - |
| L40071B | CBB-10 J2 | 11N | - | 82BS-5A-J2 | - |
| L40072B | CBB-13 J3 | 14N | - | 83S-6A-J3 | BB13-3(215000) |
| L40626B | CBB-13 J6 | - | - | - | - |
| L40073B | CBB-16 J3 | 16N | - | 84S-6A-J3 | BB16-3(215001) |
| L40074B | CBB-19 J4 | 18N | - | 85S-9A-J4 | - |
| L40075B | CBB-25 J5 | 20N | - | 85BS-9A-J4 | BB26-5(2150003) |



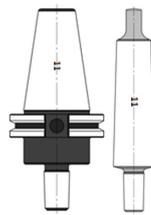
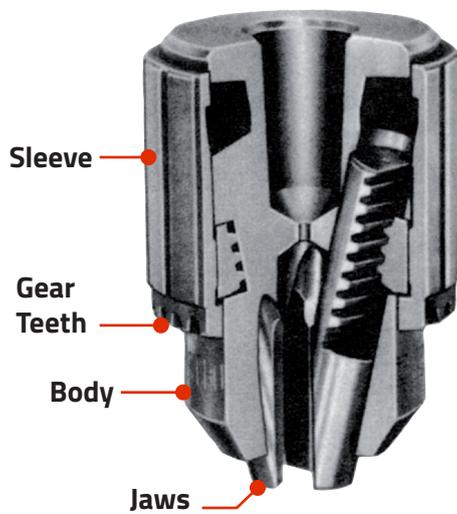
CY: page 13

| Llambrich® EDP | Llambrich® Part Number | Jacobs® Part Number | Albrecht® Part Number | LFA® Part Number | Rohm® Part Number |
|----------------|------------------------|---------------------|-----------------------|------------------|-------------------|
| L40129B | CY-04 J-0 | 0 | - | 80-0A | RO-0 (72807) |
| L40130B | CY-06 J-1 | 1A | - | 81-1A-J1 | R1-1 (666537) |
| L40132B | CY-10 J-1 | 31-01 | - | - | R8-1(72662) |
| L40133B | CY-10 J-2 | 31-02 | - | - | R2-2 (666567) |
| L40131B | CY-10 J-2SP | 2A | - | - | - |
| L40134B | CY-13 J-33 | 33 | - | 43B-5A-J33 | R3-33(666572) |
| L40528B | CY-13 J-6 | - | - | - | - |
| L40116B | CYX-13 J-2 | 34-02 | - | 43-6A-J2 | R3-2 (666571) |
| L40118B | CYX-13 J-33 | 34-33 | - | 43-6A-J33 | - |
| L40117B | CYX-13 J-6 | 34-06 | - | 43-6A-J6 | R3-6 (666573) |
| L40531B | CY-16 J-33 | - | - | - | - |
| L40532B | CY-16 J-6 | - | - | - | - |
| L40113B | CY-16 J-33 | 3A | - | 84-6A-J3 | R4-3 (666579) |
| L40120B | CY-19 J-3 | 36 | - | 45-6A-J3 | R5-3 (72833) |
| L40534B | CY-19 J-4 | - | - | - | - |
| L40137B | CY-04 R-5/16 | 0B 5/16 | - | - | - |
| L40138B | CY-06 R-3/8 | 1B 3/8 | - | 81-1B-3/8-24 | - |
| L40124B | CY-06 R-3/8SP | 7BA 3/8 | - | - | R1-38TH (666563) |
| L40140B | CY-10 R-3/8 | 41BA 3/8 | - | - | - |
| L40139B | CY-10 R-3/8SP | 2BA 3/8 | - | 82-2B-3/8-24 | - |
| L40142B | CY-10 R-1/2 | 41BA 1/2 | - | - | - |
| L40125B | CY-10 R-1/2SP | 32BA 1/2 | - | 82B-5B-1/2-20 | - |
| L40144B | CY-13 R-3/8 | 33BA 3/8 | - | 43B-5B-3/8-24 | R3-38TH (666574) |
| L40143B | CY-13 R-1/2 | 33BA 1/2 | - | 43B-5B-1/2-2- | R3-12TH (666575) |
| L40145B | CY-13 R-5/8 | 33BA 5/8 | - | 43B-5B-5/8-16 | - |
| L40126B | CY-16 R-1/2 | 35B 1/2 | - | - | - |
| L40123B | CY-16 R-5/8 | 3B 5/8 | - | 84-6B-5/8-16 | - |
| L40128B | CY-19 R-5/8 | 36B 5/8 | - | 45-65-5/8-16 | - |
| L40127B | CY-19 R-3/4 | 36B 3/4 | - | 45-6B-3/4-16 | - |

Parts of a Drill Chuck

Mounting Systems

- Taper
- Thread
- Straight Hole



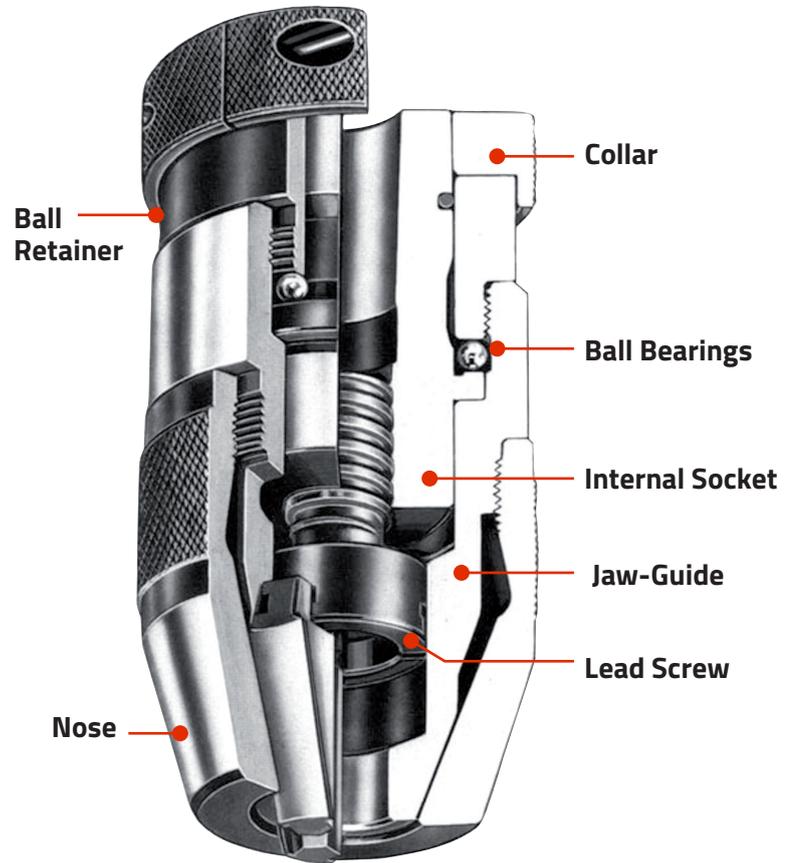
Arbor

Chuck mounting devices used to adapt standardized chuck mounts to various machine spindle tapers.

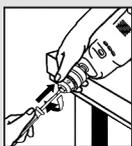


Sleeve

Adapter for arbors when the machine spindle requires a larger taper than is available on the arbor.

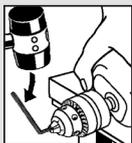


Mounting & Removing Chucks

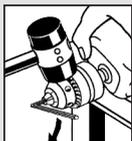


Threaded Spindle Tools

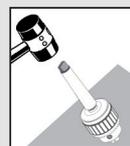
Unplug drill or disconnect battery pack. Open jaws of existing chuck completely. If present, remove left-hand thread screw from inside chuck and save for re-use.



Insert hex-type wrench into chuck body and tighten jaws on wrench. Strike wrench counterclockwise with mallet to free and unscrew chuck.

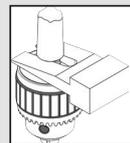


Screw new chuck onto spindle (clockwise). Insert hex-type wrench in jaws and tighten jaws on wrench. Strike wrench clockwise with mallet several times.



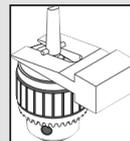
Tapered Shank Arbors

Clean both tapers of all grease and grit. With the jaws retracted into the chuck and with the chuck nose resting on a wooden bench, strike the tang of the arbor lightly to seal it into the chuck.



Removing the Arbor

Insert wedge between the back of the chuck and the shoulder of the arbor.



If the mounting taper of the arbor does not provide a shoulder, a cross hole should be drilled through the neck of the arbor and a cross pin inserted. Then the wedge can be used between the chuck back and the cross pin.

Types of Drill Chucks

Type Well Suited for:



CNC Machine



Stationary Tool



Portable Tool



Food Safe



Marine



Chemical

KEYED



CNC Precision with Integrated Shank



Ideal for CNC machines. Uses a Hexagonal Key Lock System. Short design, maximum concentricity, max. run-out .0012" or better sometimes supplied with a certification, high clamping forces, over 75 ft/lbs, and optional through coolant and balance. Permits clockwise and counterclockwise turning. For use in high speed CNC equipment for milling, drilling, reaming and tapping.



Super Ball Bearing



Keyed chucks require a key for tightening or loosening, and permit clockwise and counterclockwise turning. The Super Ball Bearing Chucks are equipped with ball bearings to reduce friction in the tightening mechanism and provide a better grip on the drill. Used for industrial applications that require the toughest machining conditions, where high accuracy drilling is not a must. Available with tapered mounts only (Jacobs®).



Plain Bearing



Equipped with one-piece gearing and sleeve that reduces the possibility of teeth breaking. Used for stationary drilling, turning, milling and wood working machines. For medium duty industrial use, available with threaded mount for hand held drilling machines and with tapered mounts for stationary drilling machines where run-out is not a must.



Stainless Steel



Manufactured out of stainless steel. For use in the food, marine, chemical, medical and dental industries, where tools must be sterilized or resistant to environmental conditions. Same design as a Plain Bearing chuck, but in stainless steel.

KEYLESS



CNC Precision with Integrated Shank



Ideal for CNC machines with applications requiring clockwise turning only as it has a self-tightening feature. Compact construction, maximum connection rigidity, higher precision (TIR .0016" or better, certified by some producers). For use on CNC machine centers, milling and turning machines.



High Precision, High Torque



A self-tightening feature causes the chuck to grip tighter as more torque is applied. Permits clockwise turning only. Automatic fitting for efficient, fast change tools. Minimum run-out for accurate hole sizing, sometimes certified by the producer. For high accuracy drill presses, jig borers, milling machines and production drilling equipment, CNC's included. Also available with through hole for EDM machines. High Torque versions can include a wrench for increased clamping force to resist tool loosening on high speed machines with instant spindle stop.



Medium Duty Applications



Same self-tightening feature as High Precision or High Torque chucks, but with wider run-outs (about .006"). Automatic fitting for efficient, fast change tools. For medium duty industrial use, available with threaded mount for hand held drilling machines and with tapered mounts for stationary drilling machines. Clockwise turning only.



Stainless Steel



Manufactured out of stainless steel. High precision and selftightening design. For use in the food, marine, chemical, medical and dental industries, where tools must be sterilized or resistant to environmental conditions. Clockwise turning only.

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QTI is committed to providing our supply channel partners and end user customers the best drilling and tapping products in the world. If you have any suggestions on how we can do better, please don't hesitate to contact me!

-Joshua Nourse, President

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