ER COLLET CHUCKS

www.lyndexnikken.com · 847.367.4800

ER COLLET CHUCKS
ER Collet Chuck Features

**LYNDEX-NIKKEN**

AT3 or better taper tolerance.
- All 40 taper tool angles are manufactured within +/- 0.0011 degrees angular tolerance
- Largest diameter of taper (where rigidity is established) is held within +/- 80 millionths (0.00008"
- Precision ground taper ensures 80% or better taper contact

Drive key depth balanced for high speed rotation.

Body of Collet Chuck equal in diameter to the nut diameter. Thicker diameter and wall thickness results in stronger rigidity.

Reduced gap size to prevent bird nests and other stringy chips from packing in or wrapping about.

**ER Nut**

Smooth nut prevents coolant flare and provides better balance.

Nickel Chrome Molybdenum Alloy

Lyndex-Nikken toolholders are heat treated in house to a hardness between 55 to 58 Rc under the highest quality standard, ensuring a homogeneous martensite (needle-shaped) crystalline structure. The additional heat treatment process allows for a better ground surface finish and stress stability of the toolholder.

**OTHER**

AT4 taper tolerance.
- All 40 taper tool angles are manufactured within +/- 0.0018 degrees angular tolerance
- Largest diameter of taper (where rigidity is established) varies within +/- 138 millionths (.00014"
- Varying aspects of taper angle and diameter can only ensure up to 60% taper contact

Recessed collet chuck body diameter weakens rigidity of holder.

Large Hex nut body design flares coolant away from toolholder.

High Carbon Steel

Other toolholders are commonly not heat treated thoroughly in order to reduce production costs, resulting in austenite deposits. Surface finish and material integrity are compromised commonly masked by chrome plating or polishing.
ER Collet Features

We offer the largest ER Collet product range in the industry.

Quality Standard
Made to DIN 6499 Specification

Material
High Tensile Chromium Molybdenum Alloy provides greater hardness and less material deformation compared to traditional spring steel collets

Accuracy
≤0.0001” at cavity bore (collet seating area)

Inspection
100% collet inspection, checked 3 times for concentricity

ER Standard Type Collet

Flexibility and Durability:
We offer the ultimate trifecta: wide clamping range, ultra precision, and super high pressure. Our 1300 psi capable collets have a wide 0.031” collapse range and the ability to maintain less than 0.0001” run out at the collet nose.

ER Counter-Bored Type Collet

Ultra Precision for Micro Cutters:
Our high precision “On Size” collets have 25% longer collet bore lengths than competitors, resulting in stronger gripping power at higher RPMs. The high-pressure coolant collet’s special design reduces cutter vibration due to high pressure.

High Precision ER Tap Collet

Extreme rigidity, high pressure performance:
Our Tap Collets are designed for all ANSI, DIN, ISO, and JIS Specification Taps. 1300 psi capable coolant collets increase tool life by dissipating heat and preventing chip build-up.

ER Collet Dimensional Data

<table>
<thead>
<tr>
<th>Style</th>
<th>D</th>
<th>D1</th>
<th>L</th>
<th>Collet Range</th>
<th>Coolant Collet Size Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>ER8</td>
<td>0.330&quot;</td>
<td>0.216&quot;</td>
<td>0.535&quot;</td>
<td>0.019 - 0.196&quot;</td>
<td>N/A</td>
</tr>
<tr>
<td>ER11</td>
<td>0.460&quot;</td>
<td>0.307&quot;</td>
<td>0.709&quot;</td>
<td>0.019 - 0.275&quot;</td>
<td>0.157 - 0.275&quot;</td>
</tr>
<tr>
<td>ER16</td>
<td>0.677&quot;</td>
<td>0.445&quot;</td>
<td>1.063&quot;</td>
<td>0.019 - 0.393&quot;</td>
<td>0.157 - 0.393&quot;</td>
</tr>
<tr>
<td>ER20</td>
<td>0.835&quot;</td>
<td>0.571&quot;</td>
<td>1.220&quot;</td>
<td>0.039 - 0.511&quot;</td>
<td>0.196 - 0.511&quot;</td>
</tr>
<tr>
<td>ER25</td>
<td>1.031&quot;</td>
<td>0.728&quot;</td>
<td>1.378&quot;</td>
<td>0.039 - 0.629&quot;</td>
<td>0.236 - 0.629&quot;</td>
</tr>
<tr>
<td>ER32</td>
<td>1.307&quot;</td>
<td>0.960&quot;</td>
<td>1.575&quot;</td>
<td>0.078 - 0.787&quot;</td>
<td>0.393 - 0.787&quot;</td>
</tr>
<tr>
<td>ER40</td>
<td>1.622&quot;</td>
<td>1.228&quot;</td>
<td>1.811&quot;</td>
<td>0.118 - 1.023&quot;</td>
<td>0.393 - 1.023&quot;</td>
</tr>
</tbody>
</table>
Bearing Nuts

Bearing nuts come as a standard on all of our ER Collet Chucks:
- Reduce twisting of the collet and increase T.I.R. accuracy.
- Improve chucking consistency by 6 times compared to non-bearing style nut!

Maximum Accuracy

We control all of our manufacturing processes, thereby maintaining the assembly accuracy tolerances between the nut, collet, and holder.

Our ground eccentric bearing race makes set up extremely easy, and ensures the accurate concentric placement of the collet.

Ground Eccentric Nut

Our ground eccentric bearing race increases clamping power by 100% compared to standard nuts!

It also prevents galling and twisting between the collet angle contact surface and the nut to minimize runout and greatly assist in alignment of the collet to the holder.

Other Nut - No Bearing

Non bearing style nuts only provide the ability to retain the collet, and do not carry a functional advantage to improve the T.I.R. or chucking consistency.

Other manufacturers use a commercial snap ring as a retainer for the collet. This can contribute to minor misalignment between the nut, collet, and holder.

No Ground Surface

ER Collet without ground contact locations cannot ensure ultra precision due to surface abnormality.
COOLANT-Thru: thru-tool coolant

Please note that the maximum RPM listed in our catalog may vary depending on the toolholder shank, weight, balanceability and the G rating.

**CAT 40**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Style</th>
<th>Collet Size</th>
<th>Collet Range</th>
<th>Nut Wrench</th>
<th>L</th>
<th>L1</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4007-0008-2.50</td>
<td>Standard</td>
<td>ER8</td>
<td>0.019 - 0.275&quot;</td>
<td>08-NASPAN</td>
<td>2.50&quot;</td>
<td>0.69&quot;</td>
<td>0.47&quot;</td>
</tr>
<tr>
<td>C4017-0008-4.00</td>
<td>Standard</td>
<td>ER8</td>
<td>0.019 - 0.275&quot;</td>
<td>08-NASPAN</td>
<td>4.00&quot;</td>
<td>0.69&quot;</td>
<td>0.47&quot;</td>
</tr>
<tr>
<td>C4047-0008-9.00*</td>
<td>Ext. Length</td>
<td>ER8</td>
<td>0.019 - 0.275&quot;</td>
<td>08-NASPAN</td>
<td>9.00&quot;</td>
<td>0.69&quot;</td>
<td>0.47&quot;</td>
</tr>
<tr>
<td>C4007-0011-2.50</td>
<td>Standard</td>
<td>ER11</td>
<td>0.019 - 0.275&quot;</td>
<td>011-HEX</td>
<td>2.50&quot;</td>
<td>0.89&quot;</td>
<td>0.75&quot;</td>
</tr>
<tr>
<td>C4017-0011-4.00</td>
<td>Standard</td>
<td>ER11</td>
<td>0.019 - 0.275&quot;</td>
<td>011-HEX</td>
<td>4.00&quot;</td>
<td>0.89&quot;</td>
<td>0.75&quot;</td>
</tr>
<tr>
<td>C4027-0011-6.00</td>
<td>Standard</td>
<td>ER11</td>
<td>0.019 - 0.275&quot;</td>
<td>011-HEX</td>
<td>6.00&quot;</td>
<td>0.89&quot;</td>
<td>0.75&quot;</td>
</tr>
<tr>
<td>C4057-0011-2.25</td>
<td>Stubby</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>2.25&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>C4007-0011-3.50</td>
<td>Standard</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>3.50&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>C4017-0011-6.00</td>
<td>Standard</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>6.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>C4047-0011-9.00*</td>
<td>Ext. Length</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>9.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>C4007-0020-2.50</td>
<td>Standard</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>2.50&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>C4017-0020-4.00</td>
<td>Standard</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>4.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>C4027-0020-6.00</td>
<td>Standard</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>6.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>C4047-0020-9.00*</td>
<td>Ext. Length</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>9.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>C4007-0025-2.50</td>
<td>Standard</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>2.50&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>C4017-0025-4.00</td>
<td>Standard</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>4.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>C4027-0025-6.00</td>
<td>Standard</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>6.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>C4057-0025-1.10</td>
<td>Stubby</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>1.10&quot;</td>
<td>2.24&quot;</td>
<td>1.57&quot;</td>
</tr>
<tr>
<td>C4007-0025-3.13</td>
<td>Standard</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>3.13&quot;</td>
<td>1.84&quot;</td>
<td>1.97&quot;</td>
</tr>
<tr>
<td>C4017-0025-5.00</td>
<td>Standard</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>5.00&quot;</td>
<td>1.84&quot;</td>
<td>1.97&quot;</td>
</tr>
<tr>
<td>C4047-0025-9.00*</td>
<td>Ext. Length</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>9.00&quot;</td>
<td>1.84&quot;</td>
<td>1.97&quot;</td>
</tr>
<tr>
<td>C4007-0040-3.13</td>
<td>Standard</td>
<td>ER40</td>
<td>0.118 - 1.023&quot;</td>
<td>040-SPAN</td>
<td>3.13&quot;</td>
<td>2.07&quot;</td>
<td>2.48&quot;</td>
</tr>
<tr>
<td>C4017-0040-5.00</td>
<td>Standard</td>
<td>ER40</td>
<td>0.118 - 1.023&quot;</td>
<td>040-SPAN</td>
<td>5.00&quot;</td>
<td>2.07&quot;</td>
<td>2.48&quot;</td>
</tr>
</tbody>
</table>

Notes:
- Back-up Screw included with ER Collet Chuck.
- *For Extended Length holders, “L” dimension has tapered length. To confirm clearance, please download model/drawing from our website.

Available in “TAPER PLUS” Dual-taper and flange contact

When removing the back-up screw, ER Collet Chucks have coolant-thru capabilities. No disc, special nut or wrench required!

See ER coolant Collets on pages 52-59
When removing the back-up screw, ER Collet Chucks have coolant-thru capabilities. No disc, special nut or wrench required!

See ER Coolant Collets on pages 52-59.

---

## CAT ER Collet Chucks

**Table:**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Style</th>
<th>Collet Size</th>
<th>Collet Range</th>
<th>Nut Wrench</th>
<th>L</th>
<th>L1</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>C5007-0016-4.12</td>
<td>Standard</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>4.12&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>C5017-0016-6.00</td>
<td>Standard</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>6.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>C5027-0016-8.00*</td>
<td>Ext. Length</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>8.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>C5057-0016-12.00*</td>
<td>Ext. Length</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>12.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>C5007-0020-2.50</td>
<td>Standard</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>2.50&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>C5017-0020-4.00</td>
<td>Standard</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>4.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>C5027-0020-6.00</td>
<td>Standard</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>6.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>C5037-0020-8.00*</td>
<td>Ext. Length</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>8.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>C5057-0020-12.00*</td>
<td>Ext. Length</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>12.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>C5007-0025-2.50</td>
<td>Standard</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>2.50&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>C5017-0025-4.00</td>
<td>Standard</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>4.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>C5027-0025-6.00</td>
<td>Standard</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>6.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>C5037-0025-8.00*</td>
<td>Ext. Length</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>8.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>C5007-0025-2.50</td>
<td>Standard</td>
<td>ER25</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>2.50&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>C5017-0025-4.00</td>
<td>Standard</td>
<td>ER25</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>4.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>C5027-0025-6.00</td>
<td>Standard</td>
<td>ER25</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>6.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>C5037-0025-8.00*</td>
<td>Ext. Length</td>
<td>ER25</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>8.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>C5057-0025-12.00*</td>
<td>Ext. Length</td>
<td>ER25</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>12.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>C5007-0032-2.50</td>
<td>Standard</td>
<td>ER32</td>
<td>0.118 - 1.023&quot;</td>
<td>040-SPAN</td>
<td>2.50&quot;</td>
<td>2.07&quot;</td>
<td>2.48&quot;</td>
</tr>
<tr>
<td>C5017-0032-4.00</td>
<td>Standard</td>
<td>ER32</td>
<td>0.118 - 1.023&quot;</td>
<td>040-SPAN</td>
<td>4.00&quot;</td>
<td>2.07&quot;</td>
<td>2.48&quot;</td>
</tr>
<tr>
<td>C5027-0032-6.00</td>
<td>Standard</td>
<td>ER32</td>
<td>0.118 - 1.023&quot;</td>
<td>040-SPAN</td>
<td>6.00&quot;</td>
<td>2.07&quot;</td>
<td>2.48&quot;</td>
</tr>
<tr>
<td>C5037-0032-8.00*</td>
<td>Ext. Length</td>
<td>ER32</td>
<td>0.118 - 1.023&quot;</td>
<td>040-SPAN</td>
<td>8.00&quot;</td>
<td>2.07&quot;</td>
<td>2.48&quot;</td>
</tr>
<tr>
<td>C5057-0032-12.00*</td>
<td>Ext. Length</td>
<td>ER32</td>
<td>0.118 - 1.023&quot;</td>
<td>040-SPAN</td>
<td>12.00&quot;</td>
<td>2.07&quot;</td>
<td>2.48&quot;</td>
</tr>
</tbody>
</table>

**Notes:**

- Back-up Screw included with ER Collet Chuck.
- *For Extended Length holders, “L” dimension has tapered length. To confirm clearance, please download model/drawing from our website.

---

**Available in TAPER PLUS™ Dual-taper and flange contact**

---

**When removing the back-up screw, ER Collet Chucks have coolant-thru capabilities. No disc, special nut or wrench required!**

---

**ER Collets Pages 52-59**

**ER Torque Wrench Page 61**

**ER Back Up Screw Page 61**

**ER Nut Page**
BT ER Collet Chucks

**T.I.R.**: ≤ 0.0001" run out at cavity bore

**Speed**: up to 23,000 RPM

**Set-up**: quick and easy

**Coolant-Thru**: thru-tool coolant

Drilling
- Ball bearing nut with ground collet race
- AT3 or better taper
- Equipped with a left-hand-threaded stop screw

Milling

Tapping

Reaming

Please note that the maximum RPM listed in our catalog may vary depending on the toolholder shank, weight, balanceability and the G rating.

### BT30

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Style</th>
<th>Collet Size</th>
<th>Collet Range</th>
<th>Nut Wrench</th>
<th>L</th>
<th>L1</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3007-0008-2.00</td>
<td>Standard</td>
<td>ER8</td>
<td>0.019 - 0.275&quot;</td>
<td>08-NASPAN</td>
<td>2.00&quot;</td>
<td>0.689&quot;</td>
<td>0.472&quot;</td>
</tr>
<tr>
<td>B3017-0008-4.00</td>
<td>Standard</td>
<td>ER8</td>
<td>0.019 - 0.275&quot;</td>
<td>08-NASPAN</td>
<td>4.00&quot;</td>
<td>0.689&quot;</td>
<td>0.472&quot;</td>
</tr>
<tr>
<td>B3007-0011-2.00</td>
<td>Standard</td>
<td>ER11</td>
<td>0.019 - 0.275&quot;</td>
<td>011-HEX</td>
<td>2.00&quot;</td>
<td>0.894&quot;</td>
<td>0.75&quot;</td>
</tr>
<tr>
<td>B3017-0011-4.00</td>
<td>Standard</td>
<td>ER11</td>
<td>0.019 - 0.275&quot;</td>
<td>011-HEX</td>
<td>4.00&quot;</td>
<td>0.894&quot;</td>
<td>0.75&quot;</td>
</tr>
<tr>
<td>B3007-0016/2.36</td>
<td>Standard</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>2.36&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>B3017-0016-4.00</td>
<td>Standard</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>4.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>B3027-0016-5.00</td>
<td>Standard</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>5.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>B3037-0016-6.00</td>
<td>Standard</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>6.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>B3057-0020-1.22</td>
<td>Stubby</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>FK-3</td>
<td>1.22&quot;</td>
<td>0.79&quot;</td>
<td>1.10&quot;</td>
</tr>
<tr>
<td>B3007-0020-2.50</td>
<td>Standard</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>2.50&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>B3017-0020-4.00</td>
<td>Standard</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>4.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>B3007-0025-2.00</td>
<td>Standard</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>2.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>B3017-0025-4.00</td>
<td>Standard</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>4.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>B3027-0025-6.00</td>
<td>Standard</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>6.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>B3037-0025-6.00</td>
<td>Standard</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>6.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>B3017-0032-3.50</td>
<td>Standard</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>3.00&quot;</td>
<td>1.84&quot;</td>
<td>1.97&quot;</td>
</tr>
<tr>
<td>B3017-0032-5.00</td>
<td>Standard</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>5.00&quot;</td>
<td>1.84&quot;</td>
<td>1.97&quot;</td>
</tr>
</tbody>
</table>

### BT40

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Style</th>
<th>Collet Size</th>
<th>Collet Range</th>
<th>Nut Wrench</th>
<th>L</th>
<th>L1</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4017-0008-4.00</td>
<td>Standard</td>
<td>ER8</td>
<td>0.019 - 0.275&quot;</td>
<td>08-NASPAN</td>
<td>4.00&quot;</td>
<td>0.689&quot;</td>
<td>0.472&quot;</td>
</tr>
<tr>
<td>B4007-0011-2.50</td>
<td>Standard</td>
<td>ER11</td>
<td>0.019 - 0.275&quot;</td>
<td>011-HEX</td>
<td>2.50&quot;</td>
<td>0.894&quot;</td>
<td>0.75&quot;</td>
</tr>
<tr>
<td>B4017-0011-4.00</td>
<td>Standard</td>
<td>ER11</td>
<td>0.019 - 0.275&quot;</td>
<td>011-HEX</td>
<td>4.00&quot;</td>
<td>0.894&quot;</td>
<td>0.75&quot;</td>
</tr>
<tr>
<td>B4027-0011-6.00</td>
<td>Standard</td>
<td>ER11</td>
<td>0.019 - 0.275&quot;</td>
<td>011-HEX</td>
<td>6.00&quot;</td>
<td>0.894&quot;</td>
<td>0.75&quot;</td>
</tr>
<tr>
<td>B4007-0016-3.50</td>
<td>Standard</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>3.50&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>B4017-0016-5.00</td>
<td>Standard</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>5.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>B4007-0020-2.50</td>
<td>Standard</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>2.50&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>B4017-0020-4.00</td>
<td>Standard</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>4.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>B4027-0020-6.00</td>
<td>Standard</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>6.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>B4007-0025-2.25</td>
<td>Standard</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>2.25&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>B4017-0025-4.00</td>
<td>Standard</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>4.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>B4027-0025-6.00</td>
<td>Standard</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>6.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>B4007-0032-3.13</td>
<td>Standard</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>3.13&quot;</td>
<td>1.84&quot;</td>
<td>1.97&quot;</td>
</tr>
<tr>
<td>B4017-0032-5.00</td>
<td>Standard</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>5.00&quot;</td>
<td>1.84&quot;</td>
<td>1.97&quot;</td>
</tr>
</tbody>
</table>

When removing the back-up screw, ER Collet Chucks have coolant-thru capabilities. No disc, special nut or wrench required!

See ER coolant Collets on pages 52-59.
**BT ER Collet Chucks**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Style</th>
<th>Collet Size</th>
<th>Collet Range</th>
<th>Nut Wrench</th>
<th>L (&quot;</th>
<th>L1 (&quot;&quot;)</th>
<th>D (&quot;&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B5007-0016-4.12</td>
<td>Standard</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>4.12&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>B5017-0016-6.00</td>
<td>Standard</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>6.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>B5007-0020-2.75</td>
<td>Standard</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>2.75&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>B5017-0020-4.00</td>
<td>Standard</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>4.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>B5007-0032-4.00</td>
<td>Standard</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>4.00&quot;</td>
<td>1.84&quot;</td>
<td>1.97&quot;</td>
</tr>
<tr>
<td>B5017-0032-6.00</td>
<td>Standard</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>6.00&quot;</td>
<td>1.84&quot;</td>
<td>1.97&quot;</td>
</tr>
<tr>
<td>B5017-0040-6.00</td>
<td>Standard</td>
<td>ER40</td>
<td>0.118 - 1.023&quot;</td>
<td>040-SPAN</td>
<td>6.00&quot;</td>
<td>2.07&quot;</td>
<td>2.50&quot;</td>
</tr>
</tbody>
</table>

Note: ER Collet Chucks come with back-up screw.

When removing the back-up screw, ER Collet Chucks have coolant thru capabilities. No disc, special nut or wrench required!

See ER coolant Collets on pages 52-59.
HSK ER Collet Chucks

**T.I.R.:** ≤ 0.0001" run out at cavity bore

**Speed:** up to 23,000 RPM

**Set-up:** quick and easy

**Coolant-Thru:** thru-tool coolant

---

Drilling

- Ball bearing nut with ground collet race

Milling

- AT3 or better taper

Tapping

- Equipped with a left-hand-threaded stop screw

Reaming

---

Please note that the maximum RPM listed in our catalog may vary depending on the toolholder shank, weight, balanceability and the G rating.

### HSK40A/63A

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Taper</th>
<th>Collet Size</th>
<th>Collet Range</th>
<th>Nut Wrench</th>
<th>L</th>
<th>L1</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSK40A-ER11-75</td>
<td>HSK40A</td>
<td>ER11</td>
<td>0.019 - 0.275&quot;</td>
<td>011-HEX</td>
<td>2.95&quot;</td>
<td>0.89&quot;</td>
<td>0.75&quot;</td>
</tr>
<tr>
<td>HSK40A-ER16-75</td>
<td>HSK40A</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>2.95&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>HSK40A-ER20-75</td>
<td>HSK40A</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>2.95&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>HSK40A-ER25-80</td>
<td>HSK40A</td>
<td>ER25</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>3.15&quot;</td>
<td>1.84&quot;</td>
<td>1.79&quot;</td>
</tr>
<tr>
<td>HSK63A-ER11-75</td>
<td>HSK63A</td>
<td>ER11</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>3.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>HSK63A-ER16-75</td>
<td>HSK63A</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>5.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>HSK63A-ER20-75</td>
<td>HSK63A</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>3.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>HSK63A-ER25-80</td>
<td>HSK63A</td>
<td>ER25</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>3.00&quot;</td>
<td>1.84&quot;</td>
<td>1.79&quot;</td>
</tr>
</tbody>
</table>

**Note:** Coolant tube and coolant wrench not included. See page 61 for details.

### HSK100A

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Taper</th>
<th>Collet Size</th>
<th>Collet Range</th>
<th>Nut Wrench</th>
<th>L</th>
<th>L1</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSK100A-ER11-80</td>
<td>HSK100A</td>
<td>ER11</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>4.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>HSK100A-ER16-80</td>
<td>HSK100A</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>6.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>HSK100A-ER20-80</td>
<td>HSK100A</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>4.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>HSK100A-ER25-80</td>
<td>HSK100A</td>
<td>ER25</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>4.00&quot;</td>
<td>1.84&quot;</td>
<td>1.79&quot;</td>
</tr>
<tr>
<td>HSK63A-ER11-80</td>
<td>HSK63A</td>
<td>ER11</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>4.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>HSK63A-ER16-80</td>
<td>HSK63A</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>6.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>HSK63A-ER20-80</td>
<td>HSK63A</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>4.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>HSK63A-ER25-80</td>
<td>HSK63A</td>
<td>ER25</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>4.00&quot;</td>
<td>1.84&quot;</td>
<td>1.79&quot;</td>
</tr>
</tbody>
</table>

**Note:** Coolant tube and coolant wrench not included. See page 61 for details.

When removing the back-up screw, ER Collet Chucks have coolant-thru capabilities. No disc, special nut or wrench required!

See ER coolant Collets on pages 52-59.
NMTB and R8 ER Collet Chucks

- Ball bearing nut with ground collet race
- AT3 or better taper

T.I.R.: <.0005" at collet face
Set-up: quick and easy
Coolant-Thru: thru-tool coolant

NMTB40

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Taper</th>
<th>Collet Size</th>
<th>Collet Range</th>
<th>Nut Wrench</th>
<th>L</th>
<th>L1</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4007-0016-1.77</td>
<td>NMTB40</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>1.77&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>N4007-0025-2.00</td>
<td>NMTB40</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>2.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
</tbody>
</table>

Note: NMTB shanks are suitable for use with Erickson Quick Change spindles.

R8

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Collet Size</th>
<th>Collet Range</th>
<th>Nut Wrench</th>
<th>L</th>
<th>L1</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>R8007-0016-1.00</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>1.00&quot;</td>
<td>1.27&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>R8007-0020-2.00</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>2.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
</tbody>
</table>

Note: ER Collet Chucks come with back-up screw.

When removing the back-up screw, ER Collet Chucks have coolant-thru capabilities. No disc, special nut or wrench required!

See ER coolant Collets on pages 52-59.
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Collet Size</th>
<th>Collet Range</th>
<th>Nut Wrench</th>
<th>D</th>
<th>D1</th>
<th>L</th>
<th>L1</th>
</tr>
</thead>
<tbody>
<tr>
<td>ER8-EXT-500</td>
<td>ER8</td>
<td>0.019 - 0.275”</td>
<td>08-NASPAN</td>
<td>1/2”</td>
<td>0.49”</td>
<td>5.95”</td>
<td>0.75”</td>
</tr>
<tr>
<td>ER8-EXT-625</td>
<td>ER8</td>
<td>0.019 - 0.275”</td>
<td>08-NASPAN</td>
<td>5/8”</td>
<td>0.49”</td>
<td>5.95”</td>
<td>0.75”</td>
</tr>
<tr>
<td>E11-EXT-500</td>
<td>ER11</td>
<td>0.019 - 0.275”</td>
<td>011-HEX</td>
<td>1/2”</td>
<td>0.75”</td>
<td>6.11”</td>
<td>0.91”</td>
</tr>
<tr>
<td>E11-EXT-625</td>
<td>ER11</td>
<td>0.019 - 0.275”</td>
<td>011-HEX</td>
<td>5/8”</td>
<td>0.75”</td>
<td>6.11”</td>
<td>0.91”</td>
</tr>
<tr>
<td>E11-EXT-750</td>
<td>ER11</td>
<td>0.019 - 0.275”</td>
<td>011-HEX</td>
<td>3/4”</td>
<td>0.75”</td>
<td>5.65”</td>
<td>0.91”</td>
</tr>
<tr>
<td>E16-EXT-100</td>
<td>ER16</td>
<td>0.019 - 0.406”</td>
<td>016-SPAN</td>
<td>1”</td>
<td>1.26”</td>
<td>5.89”</td>
<td>1.28”</td>
</tr>
<tr>
<td>E16-EXT-625</td>
<td>ER16</td>
<td>0.019 - 0.406”</td>
<td>016-SPAN</td>
<td>5/8”</td>
<td>1.26”</td>
<td>6.48”</td>
<td>1.28”</td>
</tr>
<tr>
<td>E16-EXT-750</td>
<td>ER16</td>
<td>0.019 - 0.406”</td>
<td>016-SPAN</td>
<td>3/4”</td>
<td>1.26”</td>
<td>6.48”</td>
<td>1.28”</td>
</tr>
<tr>
<td>E20-EXT-100</td>
<td>ER20</td>
<td>0.039 - 0.511”</td>
<td>020-SPAN</td>
<td>1”</td>
<td>1.38”</td>
<td>6.40”</td>
<td>1.48”</td>
</tr>
<tr>
<td>E20-EXT-125</td>
<td>ER20</td>
<td>0.039 - 0.511”</td>
<td>020-SPAN</td>
<td>1-1/4”</td>
<td>1.38”</td>
<td>6.40”</td>
<td>1.48”</td>
</tr>
<tr>
<td>E20-EXT-750</td>
<td>ER20</td>
<td>0.039 - 0.511”</td>
<td>020-SPAN</td>
<td>3/4”</td>
<td>1.38”</td>
<td>6.68”</td>
<td>1.48”</td>
</tr>
<tr>
<td>E25-EXT-100</td>
<td>ER25</td>
<td>0.039 - 0.629”</td>
<td>025-SPAN</td>
<td>1”</td>
<td>1.65”</td>
<td>6.85”</td>
<td>1.65”</td>
</tr>
<tr>
<td>E25-EXT-125</td>
<td>ER25</td>
<td>0.039 - 0.629”</td>
<td>025-SPAN</td>
<td>1-1/4”</td>
<td>1.65”</td>
<td>6.85”</td>
<td>1.65”</td>
</tr>
<tr>
<td>E25-EXT-750</td>
<td>ER25</td>
<td>0.039 - 0.629”</td>
<td>025-SPAN</td>
<td>3/4”</td>
<td>1.65”</td>
<td>6.85”</td>
<td>1.65”</td>
</tr>
<tr>
<td>E32-EXT-100</td>
<td>ER32</td>
<td>0.078 - 0.787”</td>
<td>032-SPAN</td>
<td>1”</td>
<td>1.97”</td>
<td>7.09”</td>
<td>1.85”</td>
</tr>
<tr>
<td>E32-EXT-125</td>
<td>ER32</td>
<td>0.078 - 0.787”</td>
<td>032-SPAN</td>
<td>1-1/4”</td>
<td>1.97”</td>
<td>7.09”</td>
<td>1.85”</td>
</tr>
</tbody>
</table>

Note: ER Collet Chucks come with back-up screw.

Lyndex-Nikken Offers Single and Dual Plane Balancing for Large Diameter or Long Tooling Assemblies

Benefits of ER Collet Chuck Balancing:

- Balanced assemblies can reduce spindle vibration—prolonging the life of your cutting tools and spindle.
- Increase the quality and consistency of machined surface finishes.
- Achieves greater machined surface flatness.
- Balancing service is only required once during initial set up.

When removing the back-up screw, ER Collet Chucks have coolant-thru capabilities. No disc, special nut or wrench required!

See ER coolant Collets on pages 52-59.
**Taper Plus Advantages**

- Outstanding runout accuracy for longer tool life
- Vibration dampening for increased productivity
- High rigidity for smooth and stable cutting
- Interchangeable between standard and dual face contact spindles
- 53% more surface area contact than just the taper alone

### Taper Plus - CAT 40

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Collet Size</th>
<th>Collet Range</th>
<th>Nut Wrench</th>
<th>L</th>
<th>L1</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC4007-0016-3.50</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>3.50*</td>
<td>1.26*</td>
<td>1.26*</td>
</tr>
<tr>
<td>NC4007-0020-2.50</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>2.50*</td>
<td>1.50*</td>
<td>1.38*</td>
</tr>
<tr>
<td>NC4007-0025-2.50</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>2.50*</td>
<td>1.67*</td>
<td>1.65*</td>
</tr>
<tr>
<td>NC4007-0032-3.13</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>3.13*</td>
<td>1.84*</td>
<td>1.97*</td>
</tr>
<tr>
<td>NC4007-0040-3.13</td>
<td>ER40</td>
<td>0.188 - 1.023&quot;</td>
<td>040-SPAN</td>
<td>3.13*</td>
<td>2.07*</td>
<td>2.48*</td>
</tr>
<tr>
<td>NC4017-0016-6.00</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>6.00*</td>
<td>1.26*</td>
<td>1.26*</td>
</tr>
<tr>
<td>NC4017-0020-4.00</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>4.00*</td>
<td>1.50*</td>
<td>1.38*</td>
</tr>
<tr>
<td>NC4017-0025-4.00</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>4.00*</td>
<td>1.67*</td>
<td>1.65*</td>
</tr>
<tr>
<td>NC4017-0032-5.00</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>5.00*</td>
<td>1.84*</td>
<td>1.97*</td>
</tr>
</tbody>
</table>

### Taper Plus - CAT 50

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Collet Size</th>
<th>Collet Range</th>
<th>Nut Wrench</th>
<th>L</th>
<th>L1</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC5007-0016-4.12</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>4.12*</td>
<td>1.26*</td>
<td>1.26*</td>
</tr>
<tr>
<td>NC5007-0032-4.00</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>4.00*</td>
<td>1.84*</td>
<td>1.97*</td>
</tr>
<tr>
<td>NC5007-0040-4.00</td>
<td>ER40</td>
<td>0.118 - 1.023&quot;</td>
<td>040-SPAN</td>
<td>4.00*</td>
<td>2.07*</td>
<td>2.48*</td>
</tr>
<tr>
<td>NC5017-0016-6.00</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>6.00*</td>
<td>1.26*</td>
<td>1.26*</td>
</tr>
<tr>
<td>NC5017-0020-4.00</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>4.00*</td>
<td>1.50*</td>
<td>1.38*</td>
</tr>
<tr>
<td>NC5017-0025-4.00</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>4.00*</td>
<td>1.67*</td>
<td>1.65*</td>
</tr>
<tr>
<td>NC5017-0032-6.00</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>6.00*</td>
<td>1.84*</td>
<td>1.97*</td>
</tr>
</tbody>
</table>

### ER Collet Dimensional Data

<table>
<thead>
<tr>
<th>Style</th>
<th>D</th>
<th>D1</th>
<th>L</th>
<th>Collet Range</th>
<th>Coolant Collet Size Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>ER16</td>
<td>0.677&quot;</td>
<td>0.445&quot;</td>
<td>1.063&quot;</td>
<td>0.019 - 0.393&quot;</td>
<td>0.157 - 0.393&quot;</td>
</tr>
<tr>
<td>ER20</td>
<td>0.835&quot;</td>
<td>0.571&quot;</td>
<td>1.220&quot;</td>
<td>0.039 - 0.511&quot;</td>
<td>0.196 - 0.511&quot;</td>
</tr>
<tr>
<td>ER25</td>
<td>1.031&quot;</td>
<td>0.728&quot;</td>
<td>1.376&quot;</td>
<td>0.039 - 0.629&quot;</td>
<td>0.236 - 0.629&quot;</td>
</tr>
<tr>
<td>ER32</td>
<td>1.307&quot;</td>
<td>0.960&quot;</td>
<td>1.575&quot;</td>
<td>0.078 - 0.787&quot;</td>
<td>0.393 - 0.787&quot;</td>
</tr>
<tr>
<td>ER40</td>
<td>1.622&quot;</td>
<td>1.228&quot;</td>
<td>1.811&quot;</td>
<td>0.118 - 1.023&quot;</td>
<td>0.393 - 1.023&quot;</td>
</tr>
</tbody>
</table>

ER Coolant Collets with high pressure coolant thru the tool capability are available. Mechanically sealing design eliminates the need for discs, special nuts, or wrenches. See ER Coolant Collets on pages 52 - 57.
Taper Plus Advantages

- Outstanding runout accuracy for longer tool life
- Vibration dampening for increased productivity
- High rigidity for smooth and stable cutting
- Interchangeable between standard and dual face contact spindles
- 53% more surface area contact than just the taper alone

Taper Plus - BT30

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Collet Size</th>
<th>Collet Range</th>
<th>Nut Wrench</th>
<th>L</th>
<th>L1</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>NB3007-0008-2.00</td>
<td>ER8</td>
<td>0.019 - 0.275&quot;</td>
<td>08-NASPAN</td>
<td>2.00&quot;</td>
<td>0.69&quot;</td>
<td>0.47&quot;</td>
</tr>
<tr>
<td>NB3017-0008-4.00</td>
<td>ER8</td>
<td>0.019 - 0.275&quot;</td>
<td>08-NASPAN</td>
<td>4.00&quot;</td>
<td>0.69&quot;</td>
<td>0.47&quot;</td>
</tr>
<tr>
<td>NB3007-0011-2.00</td>
<td>ER11</td>
<td>0.019 - 0.275&quot;</td>
<td>011-HEX</td>
<td>2.00&quot;</td>
<td>0.89&quot;</td>
<td>0.75&quot;</td>
</tr>
<tr>
<td>NB3017-0011-4.00</td>
<td>ER11</td>
<td>0.019 - 0.275&quot;</td>
<td>011-HEX</td>
<td>4.00&quot;</td>
<td>0.89&quot;</td>
<td>0.75&quot;</td>
</tr>
<tr>
<td>NB3007-0016-2.36</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>2.36&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>NB3017-0016-4.00</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>4.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>NB3027-0016-6.00</td>
<td>ER16</td>
<td>0.019 - 0.406&quot;</td>
<td>016-SPAN</td>
<td>6.00&quot;</td>
<td>1.26&quot;</td>
<td>1.26&quot;</td>
</tr>
<tr>
<td>NB3007-0020-1.22</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>FK-3</td>
<td>1.22&quot;</td>
<td>0.79&quot;</td>
<td>1.10&quot;</td>
</tr>
<tr>
<td>NB3007-0020-2.50</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>2.50&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>NB3017-0020-4.00</td>
<td>ER20</td>
<td>0.039 - 0.511&quot;</td>
<td>020-SPAN</td>
<td>4.00&quot;</td>
<td>1.50&quot;</td>
<td>1.38&quot;</td>
</tr>
<tr>
<td>NB3007-0025-2.00</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>2.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>NB3017-0025-4.00</td>
<td>ER25</td>
<td>0.039 - 0.629&quot;</td>
<td>025-SPAN</td>
<td>4.00&quot;</td>
<td>1.67&quot;</td>
<td>1.65&quot;</td>
</tr>
<tr>
<td>NB3007-0032-3.00</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>3.00&quot;</td>
<td>1.84&quot;</td>
<td>1.97&quot;</td>
</tr>
<tr>
<td>NB3017-0032-5.00</td>
<td>ER32</td>
<td>0.078 - 0.787&quot;</td>
<td>032-SPAN</td>
<td>5.00&quot;</td>
<td>1.84&quot;</td>
<td>1.97&quot;</td>
</tr>
</tbody>
</table>

ER Collet Dimensional Data

<table>
<thead>
<tr>
<th>Style</th>
<th>D</th>
<th>D1</th>
<th>L</th>
<th>Collet Range</th>
<th>Coolant Collet Size Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>ER8</td>
<td>0.330&quot;</td>
<td>0.216&quot;</td>
<td>0.535&quot;</td>
<td>0.019 - 0.196&quot;</td>
<td>N/A</td>
</tr>
<tr>
<td>ER11</td>
<td>0.460&quot;</td>
<td>0.307&quot;</td>
<td>0.709&quot;</td>
<td>0.019 - 0.275&quot;</td>
<td>0.157 - 0.275&quot;</td>
</tr>
<tr>
<td>ER16</td>
<td>0.677&quot;</td>
<td>0.445&quot;</td>
<td>1.063&quot;</td>
<td>0.019 - 0.393&quot;</td>
<td>0.157 - 0.393&quot;</td>
</tr>
<tr>
<td>ER20</td>
<td>0.835&quot;</td>
<td>0.571&quot;</td>
<td>1.220&quot;</td>
<td>0.039 - 0.511&quot;</td>
<td>0.196 - 0.511&quot;</td>
</tr>
<tr>
<td>ER25</td>
<td>1.031&quot;</td>
<td>0.728&quot;</td>
<td>1.378&quot;</td>
<td>0.039 - 0.629&quot;</td>
<td>0.236 - 0.629&quot;</td>
</tr>
<tr>
<td>ER32</td>
<td>1.307&quot;</td>
<td>0.960&quot;</td>
<td>1.575&quot;</td>
<td>0.078 - 0.787&quot;</td>
<td>0.393 - 0.787&quot;</td>
</tr>
</tbody>
</table>

ER Coolant Collets with high pressure coolant-thru the tool capability are available. Mechanically sealing design eliminates the need for discs, special nuts, or wrenches. See ER Coolant Collets on pages 52 - 57.
ER8 and ER11 Collets

**ER8 Collets**
Size range: 1.00 - 5.00mm (0.039" - 0.197")

**Metric**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size</th>
<th>Collapse Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>ER8-039</td>
<td>1.0mm</td>
<td>1.0 - 0.5mm</td>
</tr>
<tr>
<td>ER8-059</td>
<td>1.5mm</td>
<td>1.5 - 1.0mm</td>
</tr>
<tr>
<td>ER8-078</td>
<td>2.0mm</td>
<td>2.0 - 1.5mm</td>
</tr>
<tr>
<td>ER8-098</td>
<td>2.5mm</td>
<td>2.5 - 2.0mm</td>
</tr>
<tr>
<td>ER8-118</td>
<td>3.0mm</td>
<td>3.0 - 2.5mm</td>
</tr>
<tr>
<td>ER8-137</td>
<td>3.5mm</td>
<td>3.5 - 3.0mm</td>
</tr>
<tr>
<td>ER8-157</td>
<td>4.0mm</td>
<td>4.0 - 3.5mm</td>
</tr>
<tr>
<td>ER8-177</td>
<td>4.5mm</td>
<td>4.5 - 4.0mm</td>
</tr>
<tr>
<td>ER8-196</td>
<td>5.0mm</td>
<td>5.0 - 4.5mm</td>
</tr>
</tbody>
</table>

**ER11 Collets**
Size range: 1/32 - 17/64" (0.031 - 0.266")

**Inch**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size</th>
<th>Collapse Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>E11-002</td>
<td>1/32&quot;</td>
<td>0.031 - 0.027&quot;</td>
</tr>
<tr>
<td>E11-003</td>
<td>3/64&quot;</td>
<td>0.047 - 0.031&quot;</td>
</tr>
<tr>
<td>E11-004</td>
<td>1/16&quot;</td>
<td>0.063 - 0.047&quot;</td>
</tr>
<tr>
<td>E11-005</td>
<td>5/64&quot;</td>
<td>0.078 - 0.063&quot;</td>
</tr>
<tr>
<td>E11-006</td>
<td>3/32&quot;</td>
<td>0.094 - 0.078&quot;</td>
</tr>
<tr>
<td>E11-007</td>
<td>7/64&quot;</td>
<td>0.109 - 0.094&quot;</td>
</tr>
<tr>
<td>E11-008</td>
<td>1/8&quot;</td>
<td>0.125 - 0.109&quot;</td>
</tr>
<tr>
<td>E11-009</td>
<td>9/64&quot;</td>
<td>0.141 - 0.125&quot;</td>
</tr>
<tr>
<td>E11-010</td>
<td>5/32&quot;</td>
<td>0.156 - 0.141&quot;</td>
</tr>
<tr>
<td>E11-011</td>
<td>11/64&quot;</td>
<td>0.172 - 0.156&quot;</td>
</tr>
<tr>
<td>E11-012</td>
<td>3/16&quot;</td>
<td>0.187 - 0.172&quot;</td>
</tr>
<tr>
<td>E11-013</td>
<td>13/64&quot;</td>
<td>0.203 - 0.187&quot;</td>
</tr>
<tr>
<td>E11-014</td>
<td>7/32&quot;</td>
<td>0.219 - 0.203&quot;</td>
</tr>
<tr>
<td>E11-015</td>
<td>15/64&quot;</td>
<td>0.234 - 0.219&quot;</td>
</tr>
<tr>
<td>E11-016</td>
<td>1/4&quot;</td>
<td>0.250 - 0.234&quot;</td>
</tr>
<tr>
<td>E11-017</td>
<td>17/64&quot;</td>
<td>0.266 - 0.250&quot;</td>
</tr>
</tbody>
</table>

**Metric**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size</th>
<th>Collapse Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>E11-039</td>
<td>1.0mm</td>
<td>1.0 - 0.5mm</td>
</tr>
<tr>
<td>E11-059</td>
<td>1.5mm</td>
<td>1.5 - 1.0mm</td>
</tr>
<tr>
<td>E11-078</td>
<td>2.0mm</td>
<td>2.0 - 1.5mm</td>
</tr>
<tr>
<td>E11-098</td>
<td>2.5mm</td>
<td>2.5 - 2.0mm</td>
</tr>
<tr>
<td>E11-118</td>
<td>3.0mm</td>
<td>3.0 - 2.5mm</td>
</tr>
<tr>
<td>E11-137</td>
<td>3.5mm</td>
<td>3.5 - 3.0mm</td>
</tr>
<tr>
<td>E11-157</td>
<td>4.0mm</td>
<td>4.0 - 3.5mm</td>
</tr>
<tr>
<td>E11-177</td>
<td>4.5mm</td>
<td>4.5 - 4.0mm</td>
</tr>
<tr>
<td>E11-196</td>
<td>5.0mm</td>
<td>5.0 - 4.5mm</td>
</tr>
<tr>
<td>E11-216</td>
<td>5.5mm</td>
<td>5.5 - 5.0mm</td>
</tr>
<tr>
<td>E11-236</td>
<td>6.0mm</td>
<td>6.0 - 5.5mm</td>
</tr>
<tr>
<td>E11-255</td>
<td>6.5mm</td>
<td>6.5 - 6.0mm</td>
</tr>
<tr>
<td>E11-275</td>
<td>7.0mm</td>
<td>7.0 - 6.5mm</td>
</tr>
</tbody>
</table>

**ER11 Collet Sets**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>E11-012(C)</td>
<td>3/16&quot;</td>
<td>0.187 - 0.183&quot;</td>
</tr>
<tr>
<td>E11-013(C)</td>
<td>13/64&quot;</td>
<td>0.203 - 0.199&quot;</td>
</tr>
<tr>
<td>E11-014(C)</td>
<td>7/32&quot;</td>
<td>0.218 - 0.214&quot;</td>
</tr>
<tr>
<td>E11-015(C)</td>
<td>15/64&quot;</td>
<td>0.234 - 0.230&quot;</td>
</tr>
<tr>
<td>E11-016(C)</td>
<td>1/4&quot;</td>
<td>0.250 - 0.246&quot;</td>
</tr>
<tr>
<td>E11-017(C)</td>
<td>17/64&quot;</td>
<td>0.265 - 0.261&quot;</td>
</tr>
<tr>
<td>E11-012</td>
<td>3/16&quot;</td>
<td>0.187 - 0.183&quot;</td>
</tr>
<tr>
<td>E11-013</td>
<td>13/64&quot;</td>
<td>0.203 - 0.199&quot;</td>
</tr>
<tr>
<td>E11-014</td>
<td>7/32&quot;</td>
<td>0.218 - 0.214&quot;</td>
</tr>
<tr>
<td>E11-015</td>
<td>15/64&quot;</td>
<td>0.234 - 0.230&quot;</td>
</tr>
<tr>
<td>E11-016</td>
<td>1/4&quot;</td>
<td>0.250 - 0.246&quot;</td>
</tr>
<tr>
<td>E11-017</td>
<td>17/64&quot;</td>
<td>0.265 - 0.261&quot;</td>
</tr>
</tbody>
</table>

**Precision Standard**

Precision slots allow for even distribution of clamping pressure and minimal run out.

**Coolant-Thru**

Our patented Coolant Collets are designed for use with cylindrical shank tools (no flats). Cutting tool should be inserted the full length of the collet. If these conditions are not met, coolant leakage may result. Seals up to maximum coolant pressure of 1000 psi.

Note: See dimensional data for ER8 & ER11 Collets on page 41.
ER Collet Chucks

ER Collet Chucks

www.lyndexnikken.com · 847.367.4800

ER COLLET CHUCKS

ER16 Collets

Size range: 1/32 - 13/32" (0.031 - 0.406")

Size range: 1.0 - 10.0mm (0.039 - 0.394")

Precision Standard
Precision slots allow for even distribution of clamping pressure and minimal run out.

Coolant-Thru
Our patented Coolant Collets are designed for use with cylindrical shank tools (no flats). Cutting tool should be inserted the full length of the collet. If these conditions are not met, coolant leakage may result. Seals up to maximum coolant pressure of 1000 psi.

Part Number Size Collapse Range
E16-002 1/32" 0.031 - 0.027"
E16-004 1/16" 0.063 - 0.047"
E16-006 3/32" 0.094 - 0.078"
E16-008 1/8" 0.125 - 0.109"
E16-010 5/32" 0.156 - 0.125"
E16-012 3/16" 0.187 - 0.156"
E16-014 7/32" 0.219 - 0.187"
E16-016 1/4" 0.250 - 0.219"
E16-018 9/32" 0.281 - 0.250"
E16-020 5/16" 0.312 - 0.281"
E16-022 11/32" 0.344 - 0.312"
E16-024 3/8" 0.375 - 0.344"
E16-026 13/32" 0.406 - 0.375"

Part Number Size Collapse Range
E16-039 1.0mm 1.0 - 0.5mm
E16-059 1.5mm 1.5 - 1.0mm
E16-078 2.0mm 2.0 - 1.5mm
E16-098 2.5mm 2.5 - 2.0mm
E16-118 3.0mm 3.0 - 2.5mm
E16-137 3.5mm 3.5 - 3.0mm
E16-157 4.0mm 4.0 - 3.5mm
E16-177 4.5mm 4.5 - 4.0mm
E16-196 5.0mm 5.0 - 4.5mm
E16-216 5.5mm 5.5 - 5.0mm
E16-236 6.0mm 6.0 - 5.5mm
E16-255 6.5mm 6.5 - 6.0mm
E16-275 7.0mm 7.0 - 6.5mm
E16-295 7.5mm 7.5 - 7.0mm
E16-314 8.0mm 8.0 - 7.5mm
E16-334 8.5mm 8.5 - 8.0mm
E16-354 9.0mm 9.0 - 8.5mm
E16-374 9.5mm 9.5 - 9.0mm
E16-393 10.0mm 10.0 - 9.5mm

Part Number Size Collapse Range
E16-006(C) 3/32* 0.094 - 0.089*
E16-007(C) 7/64* 0.109 - 0.105*
E16-008(C) 1/8* 0.125 - 0.121*
E16-009(C) 9/64* 0.140 - 0.136*
E16-010(C) 5/32* 0.156 - 0.152*
E16-011(C) 11/64* 0.171 - 0.167*
E16-012(C) 3/16* 0.187 - 0.183*
E16-013(C) 13/64* 0.203 - 0.199*
E16-014(C) 7/32* 0.219 - 0.215*
E16-015(C) 15/64* 0.234 - 0.230*
E16-016(C) 1/4* 0.250 - 0.246*
E16-017(C) 17/64* 0.266 - 0.262*
E16-018(C) 9/32* 0.281 - 0.277*
E16-019(C) 19/64* 0.297 - 0.293*
E16-020(C) 5/16* 0.312 - 0.308*
E16-021(C) 21/64* 0.328 - 0.324*
E16-022(C) 11/32* 0.344 - 0.340*
E16-023(C) 23/64* 0.359 - 0.355*
E16-024(C) 3/8* 0.375 - 0.371*
E16-025(C) 25/64* 0.391 - 0.387*
E16-026(C) 13/32* 0.406 - 0.402*

ER16 Collet Sets

E16-SET-12 12 Piece Set: 1/32" - 13/32" by 1/32nds
E16-SET-09-MM 9 Piece Set: 2.0 - 10.0mm by 1mm

Note: See dimensional data for ER16 Collets on page 41.
**ER20 Collets**

**Precision Standard**
Precision slots allow for even distribution of clamping pressure and minimal run out.

**Coolant-Thru**
Our patented Coolant Collets are designed for use with cylindrical shank tools (no flats). Cutting tool should be inserted the full length of the collet. If these conditions are not met, coolant leakage may result. Seals up to maximum coolant pressure of 1000 psi.

### Size Range
- **Inch:** 1/16" - 1/2" (0.062 - 0.500")
- **Metric:** 5/32" - 1/2" (0.156 - 0.500")

### Inch Collet-Thru

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size</th>
<th>Collapse Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>E20-104</td>
<td>1/16&quot;</td>
<td>0.063 - 0.047&quot;</td>
</tr>
<tr>
<td>E20-106</td>
<td>3/32&quot;</td>
<td>0.094 - 0.078&quot;</td>
</tr>
<tr>
<td>E20-108</td>
<td>1/8&quot;</td>
<td>0.125 - 0.109&quot;</td>
</tr>
<tr>
<td>E20-110</td>
<td>5/32&quot;</td>
<td>0.156 - 0.125&quot;</td>
</tr>
<tr>
<td>E20-112</td>
<td>3/16&quot;</td>
<td>0.187 - 0.156&quot;</td>
</tr>
<tr>
<td>E20-1014</td>
<td>7/32&quot;</td>
<td>0.219 - 0.187&quot;</td>
</tr>
<tr>
<td>E20-1016</td>
<td>1/4&quot;</td>
<td>0.250 - 0.219&quot;</td>
</tr>
<tr>
<td>E20-1018</td>
<td>9/32&quot;</td>
<td>0.281 - 0.250&quot;</td>
</tr>
<tr>
<td>E20-1020</td>
<td>5/16&quot;</td>
<td>0.312 - 0.281&quot;</td>
</tr>
<tr>
<td>E20-1022</td>
<td>11/32&quot;</td>
<td>0.344 - 0.312&quot;</td>
</tr>
<tr>
<td>E20-1024</td>
<td>3/8&quot;</td>
<td>0.375 - 0.344&quot;</td>
</tr>
<tr>
<td>E20-1026</td>
<td>13/32&quot;</td>
<td>0.406 - 0.375&quot;</td>
</tr>
<tr>
<td>E20-1028</td>
<td>7/16&quot;</td>
<td>0.437 - 0.406&quot;</td>
</tr>
<tr>
<td>E20-1030</td>
<td>15/32&quot;</td>
<td>0.469 - 0.437&quot;</td>
</tr>
<tr>
<td>E20-1032</td>
<td>1/2&quot;</td>
<td>0.500 - 0.469&quot;</td>
</tr>
</tbody>
</table>

### Metric Collet-Thru

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size</th>
<th>Collapse Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>E20-078</td>
<td>2.0mm</td>
<td>2.0 - 1.0mm</td>
</tr>
<tr>
<td>E20-118</td>
<td>3.0mm</td>
<td>3.0 - 2.5mm</td>
</tr>
<tr>
<td>E20-137</td>
<td>3.5mm</td>
<td>3.5 - 2.5mm</td>
</tr>
<tr>
<td>E20-157</td>
<td>4.0mm</td>
<td>4.0 - 3.5mm</td>
</tr>
<tr>
<td>E20-196</td>
<td>5.0mm</td>
<td>5.0 - 4.0mm</td>
</tr>
<tr>
<td>E20-236</td>
<td>6.0mm</td>
<td>6.0 - 5.0mm</td>
</tr>
<tr>
<td>E20-275</td>
<td>7.0mm</td>
<td>7.0 - 6.0mm</td>
</tr>
<tr>
<td>E20-314</td>
<td>8.0mm</td>
<td>8.0 - 7.0mm</td>
</tr>
<tr>
<td>E20-354</td>
<td>9.0mm</td>
<td>9.0 - 8.0mm</td>
</tr>
<tr>
<td>E20-393</td>
<td>10.0mm</td>
<td>10.0 - 9.0mm</td>
</tr>
<tr>
<td>E20-433</td>
<td>11.0mm</td>
<td>11.0 - 10.0mm</td>
</tr>
<tr>
<td>E20-452</td>
<td>11.5mm</td>
<td>11.5 - 11.0mm</td>
</tr>
<tr>
<td>E20-472</td>
<td>12.0mm</td>
<td>12.0 - 11.0mm</td>
</tr>
<tr>
<td>E20-511</td>
<td>13.0mm</td>
<td>13.0 - 12.0mm</td>
</tr>
</tbody>
</table>

### Inch Coolant-Thru

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size</th>
<th>Collapse Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>E20-1010(C)</td>
<td>5/32&quot;</td>
<td>0.156 - 0.152&quot;</td>
</tr>
<tr>
<td>E20-111(C)</td>
<td>11/64&quot;</td>
<td>0.172 - 0.167&quot;</td>
</tr>
<tr>
<td>E20-1012(C)</td>
<td>3/16&quot;</td>
<td>0.187 - 0.183&quot;</td>
</tr>
<tr>
<td>E20-1013(C)</td>
<td>13/64&quot;</td>
<td>0.203 - 0.199&quot;</td>
</tr>
<tr>
<td>E20-1014(C)</td>
<td>7/32&quot;</td>
<td>0.219 - 0.203&quot;</td>
</tr>
<tr>
<td>E20-1015(C)</td>
<td>15/64&quot;</td>
<td>0.234 - 0.219&quot;</td>
</tr>
<tr>
<td>E20-1016(C)</td>
<td>1/4&quot;</td>
<td>0.250 - 0.234&quot;</td>
</tr>
<tr>
<td>E20-1017(C)</td>
<td>17/64&quot;</td>
<td>0.265 - 0.250&quot;</td>
</tr>
<tr>
<td>E20-1018(C)</td>
<td>9/32&quot;</td>
<td>0.281 - 0.266&quot;</td>
</tr>
<tr>
<td>E20-1019(C)</td>
<td>19/64&quot;</td>
<td>0.297 - 0.281&quot;</td>
</tr>
<tr>
<td>E20-1020(C)</td>
<td>5/16&quot;</td>
<td>0.312 - 0.297&quot;</td>
</tr>
<tr>
<td>E20-1021(C)</td>
<td>21/64&quot;</td>
<td>0.328 - 0.312&quot;</td>
</tr>
<tr>
<td>E20-1022(C)</td>
<td>11/32&quot;</td>
<td>0.344 - 0.328&quot;</td>
</tr>
<tr>
<td>E20-1023(C)</td>
<td>23/64&quot;</td>
<td>0.359 - 0.344&quot;</td>
</tr>
<tr>
<td>E20-1024(C)</td>
<td>3/8&quot;</td>
<td>0.375 - 0.359&quot;</td>
</tr>
<tr>
<td>E20-1025(C)</td>
<td>25/64&quot;</td>
<td>0.391 - 0.375&quot;</td>
</tr>
<tr>
<td>E20-1026(C)</td>
<td>13/32&quot;</td>
<td>0.406 - 0.391&quot;</td>
</tr>
<tr>
<td>E20-1027(C)</td>
<td>27/64&quot;</td>
<td>0.422 - 0.406&quot;</td>
</tr>
<tr>
<td>E20-1028(C)</td>
<td>7/16&quot;</td>
<td>0.437 - 0.422&quot;</td>
</tr>
<tr>
<td>E20-1029(C)</td>
<td>29/64&quot;</td>
<td>0.453 - 0.437&quot;</td>
</tr>
<tr>
<td>E20-1030(C)</td>
<td>15/32&quot;</td>
<td>0.469 - 0.453&quot;</td>
</tr>
<tr>
<td>E20-1031(C)</td>
<td>31/64&quot;</td>
<td>0.484 - 0.469&quot;</td>
</tr>
<tr>
<td>E20-1032(C)</td>
<td>1/2&quot;</td>
<td>0.500 - 0.484&quot;</td>
</tr>
</tbody>
</table>

### Metric Coolant-Thru

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size</th>
<th>Collapse Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>E20-196(C)</td>
<td>5.0mm</td>
<td>5.0 - 4.5mm</td>
</tr>
<tr>
<td>E20-216(C)</td>
<td>5.5mm</td>
<td>5.5 - 5.0mm</td>
</tr>
<tr>
<td>E20-236(C)</td>
<td>6.0mm</td>
<td>6.0 - 5.5mm</td>
</tr>
<tr>
<td>E20-255(C)</td>
<td>6.5mm</td>
<td>6.5 - 6.0mm</td>
</tr>
<tr>
<td>E20-275(C)</td>
<td>7.0mm</td>
<td>7.0 - 6.5mm</td>
</tr>
<tr>
<td>E20-295(C)</td>
<td>7.5mm</td>
<td>7.5 - 7.0mm</td>
</tr>
<tr>
<td>E20-314(C)</td>
<td>8.0mm</td>
<td>8.0 - 7.5mm</td>
</tr>
<tr>
<td>E20-334(C)</td>
<td>8.5mm</td>
<td>8.5 - 8.0mm</td>
</tr>
<tr>
<td>E20-354(C)</td>
<td>9.0mm</td>
<td>9.0 - 8.5mm</td>
</tr>
<tr>
<td>E20-374(C)</td>
<td>9.5mm</td>
<td>9.5 - 9.0mm</td>
</tr>
<tr>
<td>E20-393(C)</td>
<td>10.0mm</td>
<td>10.0 - 9.5mm</td>
</tr>
<tr>
<td>E20-413(C)</td>
<td>10.5mm</td>
<td>10.5 - 10.0mm</td>
</tr>
<tr>
<td>E20-433(C)</td>
<td>11.0mm</td>
<td>11.0 - 10.5mm</td>
</tr>
<tr>
<td>E20-452(C)</td>
<td>11.5mm</td>
<td>11.5 - 11.0mm</td>
</tr>
<tr>
<td>E20-472(C)</td>
<td>12.0mm</td>
<td>12.0 - 11.5mm</td>
</tr>
<tr>
<td>E20-492(C)</td>
<td>12.5mm</td>
<td>12.5 - 12.0mm</td>
</tr>
<tr>
<td>E20-511(C)</td>
<td>13.0mm</td>
<td>13.0 - 12.5mm</td>
</tr>
</tbody>
</table>

### Inch Coolant-Collet Sets
- **E20-SET-15:** 15 Piece Set: 1/16" - 1/2" by 1/32nds
- **E20-SET-11-MM:** 11 Piece Set: 2.0 - 13.0mm by 1mm
- **E20-SET-12(C):** 12 Piece Set: 5/32" - 1/2" by 1/32nds
- **E20-SET-17(C)-MM:** 17 Piece Set: 5.0 - 13.0mm by 0.5mm

**Note:** See dimensional data for ER20 Collets on page 41.
**ER25 Collet Sets**

<table>
<thead>
<tr>
<th>Inch</th>
<th>Part Number</th>
<th>Size</th>
<th>Collapse Range</th>
<th>ER25-004</th>
<th>1/16&quot;</th>
<th>0.063 - 0.047&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>E25-006</td>
<td>3/32&quot;</td>
<td>0.094 - 0.078&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-008</td>
<td>1/8&quot;</td>
<td>0.125 - 0.109&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-010</td>
<td>5/32&quot;</td>
<td>0.156 - 0.125&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-012</td>
<td>3/16&quot;</td>
<td>0.187 - 0.156&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-014</td>
<td>7/32&quot;</td>
<td>0.218 - 0.187&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-016</td>
<td>1/4&quot;</td>
<td>0.250 - 0.219&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-018</td>
<td>9/32&quot;</td>
<td>0.281 - 0.250&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-020</td>
<td>5/16&quot;</td>
<td>0.312 - 0.281&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-022</td>
<td>11/32&quot;</td>
<td>0.344 - 0.312&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-024</td>
<td>3/8&quot;</td>
<td>0.375 - 0.344&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-026</td>
<td>13/32&quot;</td>
<td>0.406 - 0.375&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-028</td>
<td>7/16&quot;</td>
<td>0.437 - 0.406&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-030</td>
<td>15/32&quot;</td>
<td>0.469 - 0.437&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-032</td>
<td>1/2&quot;</td>
<td>0.500 - 0.469&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-034</td>
<td>17/32&quot;</td>
<td>0.531 - 0.500&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-036</td>
<td>9/16&quot;</td>
<td>0.563 - 0.531&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-038</td>
<td>19/32&quot;</td>
<td>0.594 - 0.563&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E25-040</td>
<td>5/8&quot;</td>
<td>0.625 - 0.594&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ER25 Coolant Collet Sets**

<table>
<thead>
<tr>
<th>Inch</th>
<th>Part Number</th>
<th>Size</th>
<th>Collapse Range</th>
<th>ER25-SET-19</th>
<th>1/16&quot; - 5/8&quot; by 1/32nds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>E25-SET-14-MM</td>
<td>14 Piece Set: 2.0 - 16.0mm by 1mm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: See dimensional data for ER25 Collets on page 41.
## ER32 Collets

### Precision Standard

Precision slots allow for even distribution of clamping pressure and minimal run out.

### Coolant-Thru

Our patented Coolant Collets are designed for use with cylindrical shank tools (no flats). Cutting tool should be inserted the full length of the collet. If these conditions are not met, coolant leakage may result. Seals up to maximum coolant pressure of 1000 psi.

### Size range:
- **Inch**: 1/8" - 25/32" (0.125" - 0.781")
- **Metric**: 3.0 - 20.0mm (0.118 - 0.787")

### Inch

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size</th>
<th>Collapse Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>E32-008</td>
<td>1/8&quot;</td>
<td>0.125 - 0.109&quot;</td>
</tr>
<tr>
<td>E32-010</td>
<td>5/32&quot;</td>
<td>0.156 - 0.125&quot;</td>
</tr>
<tr>
<td>E32-012</td>
<td>3/16&quot;</td>
<td>0.187 - 0.156&quot;</td>
</tr>
<tr>
<td>E32-014</td>
<td>7/32&quot;</td>
<td>0.219 - 0.187&quot;</td>
</tr>
<tr>
<td>E32-016</td>
<td>1/4&quot;</td>
<td>0.250 - 0.219&quot;</td>
</tr>
<tr>
<td>E32-018</td>
<td>9/32&quot;</td>
<td>0.281 - 0.250&quot;</td>
</tr>
<tr>
<td>E32-020</td>
<td>5/16&quot;</td>
<td>0.312 - 0.281&quot;</td>
</tr>
<tr>
<td>E32-022</td>
<td>11/32&quot;</td>
<td>0.344 - 0.312&quot;</td>
</tr>
<tr>
<td>E32-024</td>
<td>3/8&quot;</td>
<td>0.375 - 0.344&quot;</td>
</tr>
<tr>
<td>E32-026</td>
<td>7/16&quot;</td>
<td>0.406 - 0.375&quot;</td>
</tr>
<tr>
<td>E32-030</td>
<td>1/2&quot;</td>
<td>0.500 - 0.437&quot;</td>
</tr>
<tr>
<td>E32-032</td>
<td>9/16&quot;</td>
<td>0.594 - 0.500&quot;</td>
</tr>
<tr>
<td>E32-036</td>
<td>13/32&quot;</td>
<td>0.659 - 0.594&quot;</td>
</tr>
<tr>
<td>E32-038</td>
<td>19/32&quot;</td>
<td>0.794 - 0.659&quot;</td>
</tr>
<tr>
<td>E32-040</td>
<td>5/8&quot;</td>
<td>0.825 - 0.659&quot;</td>
</tr>
<tr>
<td>E32-042</td>
<td>21/32&quot;</td>
<td>0.888 - 0.659&quot;</td>
</tr>
<tr>
<td>E32-044</td>
<td>11/16&quot;</td>
<td>0.719 - 0.688&quot;</td>
</tr>
<tr>
<td>E32-046</td>
<td>23/32&quot;</td>
<td>0.719 - 0.687&quot;</td>
</tr>
<tr>
<td>E32-048</td>
<td>3/4&quot;</td>
<td>0.750 - 0.719&quot;</td>
</tr>
<tr>
<td>E32-050</td>
<td>25/32&quot;</td>
<td>0.781 - 0.750&quot;</td>
</tr>
</tbody>
</table>

### Metric

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size</th>
<th>Collapse Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>E32-118</td>
<td>3.0mm</td>
<td>3.0 - 2.0mm</td>
</tr>
<tr>
<td>E32-137</td>
<td>3.5mm</td>
<td>3.5 - 2.5mm</td>
</tr>
<tr>
<td>E32-157</td>
<td>4.0mm</td>
<td>4.0 - 3.0mm</td>
</tr>
<tr>
<td>E32-196</td>
<td>5.0mm</td>
<td>5.0 - 4.0mm</td>
</tr>
<tr>
<td>E32-236</td>
<td>6.0mm</td>
<td>6.0 - 5.0mm</td>
</tr>
<tr>
<td>E32-275</td>
<td>7.0mm</td>
<td>7.0 - 6.0mm</td>
</tr>
<tr>
<td>E32-314</td>
<td>8.0mm</td>
<td>8.0 - 7.0mm</td>
</tr>
<tr>
<td>E32-354</td>
<td>9.0mm</td>
<td>9.0 - 8.0mm</td>
</tr>
<tr>
<td>E32-393</td>
<td>10.0mm</td>
<td>10.0 - 9.0mm</td>
</tr>
<tr>
<td>E32-433</td>
<td>11.0mm</td>
<td>11.0 - 10.0mm</td>
</tr>
<tr>
<td>E32-452</td>
<td>11.5mm</td>
<td>11.5 - 10.5mm</td>
</tr>
<tr>
<td>E32-472</td>
<td>12.0mm</td>
<td>12.0 - 11.0mm</td>
</tr>
<tr>
<td>E32-511</td>
<td>13.0mm</td>
<td>13.0 - 12.0mm</td>
</tr>
<tr>
<td>E32-551</td>
<td>14.0mm</td>
<td>14.0 - 13.0mm</td>
</tr>
<tr>
<td>E32-590</td>
<td>15.0mm</td>
<td>15.0 - 14.0mm</td>
</tr>
<tr>
<td>E32-629</td>
<td>16.0mm</td>
<td>16.0 - 15.0mm</td>
</tr>
<tr>
<td>E32-669</td>
<td>17.0mm</td>
<td>17.0 - 16.0mm</td>
</tr>
<tr>
<td>E32-708</td>
<td>18.0mm</td>
<td>18.0 - 17.0mm</td>
</tr>
<tr>
<td>E32-748</td>
<td>19.0mm</td>
<td>19.0 - 18.0mm</td>
</tr>
<tr>
<td>E32-787</td>
<td>20.0mm</td>
<td>20.0 - 19.0mm</td>
</tr>
</tbody>
</table>

### ER32 Coolant Collet Sets

- **E32-SEF-21**: 21 Piece Set: 1/8" - 3/4" by 1/32nds
- **E32-SEF-18-MM**: 18 Piece Set: 2.0 - 20.0mm by 1.0mm

Note: See dimensional data for ER32 Collets on page 41.
**ER Collet Chucks**

**ER40 Collets**

**Precision Standard**
Precision slots allow for even distribution of clamping pressure and minimal run out.

**Coolant-Thru**
Our patented Coolant Collets are designed for use with cylindrical shank tools (no flats). Cutting tool should be inserted the full length of the collet. If these conditions are not met, coolant leakage may result. Seals up to maximum coolant pressure of 1000 psi.

### Inch

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size</th>
<th>Collapse Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>E40-010</td>
<td>5/32&quot;</td>
<td>0.156 - 0.125&quot;</td>
</tr>
<tr>
<td>E40-012</td>
<td>3/16&quot;</td>
<td>0.187 - 0.156&quot;</td>
</tr>
<tr>
<td>E40-014</td>
<td>7/32&quot;</td>
<td>0.219 - 0.187&quot;</td>
</tr>
<tr>
<td>E40-016</td>
<td>1/4&quot;</td>
<td>0.250 - 0.219&quot;</td>
</tr>
<tr>
<td>E40-018</td>
<td>9/32&quot;</td>
<td>0.281 - 0.250&quot;</td>
</tr>
<tr>
<td>E40-020</td>
<td>5/16&quot;</td>
<td>0.312 - 0.281&quot;</td>
</tr>
<tr>
<td>E40-022</td>
<td>11/32&quot;</td>
<td>0.344 - 0.312&quot;</td>
</tr>
<tr>
<td>E40-024</td>
<td>3/8&quot;</td>
<td>0.375 - 0.344&quot;</td>
</tr>
<tr>
<td>E40-026</td>
<td>13/32&quot;</td>
<td>0.406 - 0.375&quot;</td>
</tr>
<tr>
<td>E40-028</td>
<td>7/16&quot;</td>
<td>0.437 - 0.406&quot;</td>
</tr>
<tr>
<td>E40-030</td>
<td>15/32&quot;</td>
<td>0.469 - 0.437&quot;</td>
</tr>
<tr>
<td>E40-032</td>
<td>1/2&quot;</td>
<td>0.500 - 0.469&quot;</td>
</tr>
<tr>
<td>E40-034</td>
<td>17/32&quot;</td>
<td>0.531 - 0.500&quot;</td>
</tr>
<tr>
<td>E40-036</td>
<td>9/16&quot;</td>
<td>0.563 - 0.531&quot;</td>
</tr>
<tr>
<td>E40-038</td>
<td>19/32&quot;</td>
<td>0.594 - 0.563&quot;</td>
</tr>
<tr>
<td>E40-040</td>
<td>5/8&quot;</td>
<td>0.625 - 0.594&quot;</td>
</tr>
<tr>
<td>E40-042</td>
<td>21/32&quot;</td>
<td>0.656 - 0.625&quot;</td>
</tr>
<tr>
<td>E40-044</td>
<td>11/16&quot;</td>
<td>0.688 - 0.656&quot;</td>
</tr>
<tr>
<td>E40-046</td>
<td>23/32&quot;</td>
<td>0.719 - 0.688&quot;</td>
</tr>
<tr>
<td>E40-048</td>
<td>3/4&quot;</td>
<td>0.750 - 0.719&quot;</td>
</tr>
<tr>
<td>E40-050</td>
<td>25/32&quot;</td>
<td>0.781 - 0.750&quot;</td>
</tr>
<tr>
<td>E40-052</td>
<td>13/16&quot;</td>
<td>0.813 - 0.781&quot;</td>
</tr>
<tr>
<td>E40-054</td>
<td>27/32&quot;</td>
<td>0.844 - 0.813&quot;</td>
</tr>
<tr>
<td>E40-056</td>
<td>7/8&quot;</td>
<td>0.875 - 0.844&quot;</td>
</tr>
<tr>
<td>E40-058</td>
<td>29/32&quot;</td>
<td>0.906 - 0.875&quot;</td>
</tr>
<tr>
<td>E40-060</td>
<td>15/16&quot;</td>
<td>0.938 - 0.906&quot;</td>
</tr>
<tr>
<td>E40-062</td>
<td>31/32&quot;</td>
<td>0.969 - 0.938&quot;</td>
</tr>
<tr>
<td>E40-064</td>
<td>1&quot;</td>
<td>1.000 - 0.969&quot;</td>
</tr>
</tbody>
</table>

### Metric

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size</th>
<th>Collapse Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>E40-015</td>
<td>4.0mm</td>
<td>4.0 - 3.0mm</td>
</tr>
<tr>
<td>E40-019</td>
<td>5.0mm</td>
<td>5.0 - 4.0mm</td>
</tr>
<tr>
<td>E40-023</td>
<td>6.0mm</td>
<td>6.0 - 5.0mm</td>
</tr>
<tr>
<td>E40-027</td>
<td>7.0mm</td>
<td>7.0 - 6.0mm</td>
</tr>
<tr>
<td>E40-031</td>
<td>8.0mm</td>
<td>8.0 - 7.0mm</td>
</tr>
<tr>
<td>E40-035</td>
<td>9.0mm</td>
<td>9.0 - 8.0mm</td>
</tr>
<tr>
<td>E40-039</td>
<td>10.0mm</td>
<td>10.0 - 9.0mm</td>
</tr>
<tr>
<td>E40-043</td>
<td>11.0mm</td>
<td>11.0 - 10.0mm</td>
</tr>
<tr>
<td>E40-045</td>
<td>11.5mm</td>
<td>11.5 - 11.0mm</td>
</tr>
<tr>
<td>E40-047</td>
<td>12.0mm</td>
<td>12.0 - 11.5mm</td>
</tr>
<tr>
<td>E40-049</td>
<td>12.5mm</td>
<td>12.5 - 12.0mm</td>
</tr>
<tr>
<td>E40-051</td>
<td>13.0mm</td>
<td>13.0 - 12.5mm</td>
</tr>
<tr>
<td>E40-053</td>
<td>13.5mm</td>
<td>13.5 - 13.0mm</td>
</tr>
<tr>
<td>E40-055</td>
<td>14.0mm</td>
<td>14.0 - 13.5mm</td>
</tr>
<tr>
<td>E40-057</td>
<td>14.5mm</td>
<td>14.5 - 14.0mm</td>
</tr>
<tr>
<td>E40-059</td>
<td>15.0mm</td>
<td>15.0 - 14.5mm</td>
</tr>
<tr>
<td>E40-061</td>
<td>15.5mm</td>
<td>15.5 - 15.0mm</td>
</tr>
<tr>
<td>E40-063</td>
<td>16.0mm</td>
<td>16.0 - 15.5mm</td>
</tr>
<tr>
<td>E40-065</td>
<td>16.5mm</td>
<td>16.5 - 16.0mm</td>
</tr>
<tr>
<td>E40-067</td>
<td>17.0mm</td>
<td>17.0 - 16.5mm</td>
</tr>
<tr>
<td>E40-069</td>
<td>17.5mm</td>
<td>17.5 - 17.0mm</td>
</tr>
<tr>
<td>E40-071</td>
<td>18.0mm</td>
<td>18.0 - 17.5mm</td>
</tr>
<tr>
<td>E40-073</td>
<td>18.5mm</td>
<td>18.5 - 18.0mm</td>
</tr>
<tr>
<td>E40-075</td>
<td>19.0mm</td>
<td>19.0 - 18.5mm</td>
</tr>
<tr>
<td>E40-077</td>
<td>19.5mm</td>
<td>19.5 - 19.0mm</td>
</tr>
<tr>
<td>E40-079</td>
<td>20.0mm</td>
<td>20.0 - 19.5mm</td>
</tr>
<tr>
<td>E40-081</td>
<td>20.5mm</td>
<td>20.5 - 20.0mm</td>
</tr>
<tr>
<td>E40-083</td>
<td>21.0mm</td>
<td>21.0 - 20.5mm</td>
</tr>
<tr>
<td>E40-085</td>
<td>21.5mm</td>
<td>21.5 - 21.0mm</td>
</tr>
<tr>
<td>E40-087</td>
<td>22.0mm</td>
<td>22.0 - 21.5mm</td>
</tr>
<tr>
<td>E40-089</td>
<td>22.5mm</td>
<td>22.5 - 22.0mm</td>
</tr>
<tr>
<td>E40-091</td>
<td>23.0mm</td>
<td>23.0 - 22.5mm</td>
</tr>
<tr>
<td>E40-093</td>
<td>23.5mm</td>
<td>23.5 - 23.0mm</td>
</tr>
<tr>
<td>E40-095</td>
<td>24.0mm</td>
<td>24.0 - 23.5mm</td>
</tr>
<tr>
<td>E40-097</td>
<td>24.5mm</td>
<td>24.5 - 24.0mm</td>
</tr>
<tr>
<td>E40-099</td>
<td>25.0mm</td>
<td>25.0 - 24.5mm</td>
</tr>
<tr>
<td>E40-101</td>
<td>25.5mm</td>
<td>25.5 - 25.0mm</td>
</tr>
<tr>
<td>E40-103</td>
<td>26.0mm</td>
<td>26.0 - 25.5mm</td>
</tr>
</tbody>
</table>

### ER40 Collet Sets

**ER40-SET-25** 25 Piece Set 1/4" - 1" by 1/32nds
**ER40-SET-23-MM** 23 Piece Set 4.0mm - 26.0mm by 1.0mm

Note: See dimensional data for ER40 Collets on page 41.
ER Tap Collets

ER Tap Collets feature a unique design that incorporates an internal square drive with our popular ER Series Collets. The square drive matches the tap square, providing a tight fit for all rigid tapping applications.

Note: Diameter and Square size are in accordance with U.S. Standard Taps.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>ER Series</th>
<th>Tap Inch Style</th>
<th>Tap Metric Size</th>
<th>L1 (mm)</th>
<th>φ</th>
<th>⊗</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET16-168</td>
<td>ER16</td>
<td>#8, 5/32&quot;</td>
<td>M4</td>
<td>15</td>
<td>0.168&quot;</td>
<td>0.131&quot;</td>
</tr>
<tr>
<td>ET16-194</td>
<td>ER16</td>
<td>#10, 3/16&quot;</td>
<td>M4, M5</td>
<td>15</td>
<td>0.194&quot;</td>
<td>0.152&quot;</td>
</tr>
<tr>
<td>ET16-220</td>
<td>ER16</td>
<td>#12, 7/32&quot;</td>
<td>-</td>
<td>15</td>
<td>0.220&quot;</td>
<td>0.165&quot;</td>
</tr>
<tr>
<td>ET16-255</td>
<td>ER16</td>
<td>#14, 1/4&quot;</td>
<td>M6, M6.5</td>
<td>22</td>
<td>0.255&quot;</td>
<td>0.191&quot;</td>
</tr>
<tr>
<td>ET20-168</td>
<td>ER20</td>
<td>#8, 5/32&quot;</td>
<td>M4</td>
<td>15</td>
<td>0.168&quot;</td>
<td>0.131&quot;</td>
</tr>
<tr>
<td>ET20-194</td>
<td>ER20</td>
<td>#10, 3/16&quot;</td>
<td>M4, M5</td>
<td>15</td>
<td>0.194&quot;</td>
<td>0.152&quot;</td>
</tr>
<tr>
<td>ET20-220</td>
<td>ER20</td>
<td>#12, 7/32&quot;</td>
<td>-</td>
<td>15</td>
<td>0.220&quot;</td>
<td>0.165&quot;</td>
</tr>
<tr>
<td>ET20-255</td>
<td>ER20</td>
<td>#14, 1/4&quot;</td>
<td>M6, M6.5</td>
<td>20</td>
<td>0.255&quot;</td>
<td>0.191&quot;</td>
</tr>
<tr>
<td>ET20-318</td>
<td>ER20</td>
<td>5/16&quot;</td>
<td>M7, M6.5, M8</td>
<td>20</td>
<td>0.318&quot;</td>
<td>0.238&quot;</td>
</tr>
<tr>
<td>ET20-333</td>
<td>ER20</td>
<td>7/16&quot;</td>
<td>-</td>
<td>20</td>
<td>0.323&quot;</td>
<td>0.242&quot;</td>
</tr>
<tr>
<td>ET20-367</td>
<td>ER20</td>
<td>1/2&quot;</td>
<td>M12, M12.5</td>
<td>25</td>
<td>0.367&quot;</td>
<td>0.275&quot;</td>
</tr>
<tr>
<td>ET20-381</td>
<td>ER20</td>
<td>3/8&quot;</td>
<td>M10</td>
<td>20</td>
<td>0.381&quot;</td>
<td>0.286&quot;</td>
</tr>
<tr>
<td>ET25-168</td>
<td>ER25</td>
<td>#8, 5/32&quot;</td>
<td>M4</td>
<td>15</td>
<td>0.168&quot;</td>
<td>0.131&quot;</td>
</tr>
<tr>
<td>ET25-194</td>
<td>ER25</td>
<td>#10, 3/16&quot;</td>
<td>M4, M5</td>
<td>15</td>
<td>0.194&quot;</td>
<td>0.152&quot;</td>
</tr>
<tr>
<td>ET25-220</td>
<td>ER25</td>
<td>#12, 7/32&quot;</td>
<td>-</td>
<td>15</td>
<td>0.220&quot;</td>
<td>0.165&quot;</td>
</tr>
<tr>
<td>ET25-255</td>
<td>ER25</td>
<td>#14, 1/4&quot;</td>
<td>M6, M6.5</td>
<td>20</td>
<td>0.255&quot;</td>
<td>0.191&quot;</td>
</tr>
<tr>
<td>ET25-318</td>
<td>ER25</td>
<td>5/16&quot;</td>
<td>M7, M6.5, M8</td>
<td>20</td>
<td>0.318&quot;</td>
<td>0.238&quot;</td>
</tr>
<tr>
<td>ET25-333</td>
<td>ER25</td>
<td>7/16&quot;</td>
<td>-</td>
<td>20</td>
<td>0.323&quot;</td>
<td>0.242&quot;</td>
</tr>
<tr>
<td>ET25-367</td>
<td>ER25</td>
<td>1/2&quot;</td>
<td>M12, M12.5</td>
<td>25</td>
<td>0.367&quot;</td>
<td>0.275&quot;</td>
</tr>
<tr>
<td>ET25-381</td>
<td>ER25</td>
<td>3/8&quot;</td>
<td>M10</td>
<td>20</td>
<td>0.381&quot;</td>
<td>0.286&quot;</td>
</tr>
<tr>
<td>ET25-429</td>
<td>ER25</td>
<td>5/16&quot;</td>
<td>M14</td>
<td>25</td>
<td>0.429&quot;</td>
<td>0.322&quot;</td>
</tr>
<tr>
<td>ET25-437</td>
<td>ER25</td>
<td>1/8&quot; NPT(1)</td>
<td>-</td>
<td>18</td>
<td>0.437&quot;</td>
<td>0.328&quot;</td>
</tr>
<tr>
<td>ET25-480</td>
<td>ER25</td>
<td>7/16&quot;</td>
<td>M16</td>
<td>25</td>
<td>0.480&quot;</td>
<td>0.360&quot;</td>
</tr>
<tr>
<td>ET32-168</td>
<td>ER32</td>
<td>#8, 5/32&quot;</td>
<td>M4</td>
<td>15</td>
<td>0.168&quot;</td>
<td>0.131&quot;</td>
</tr>
<tr>
<td>ET32-194</td>
<td>ER32</td>
<td>#10, 3/16&quot;</td>
<td>M4, M5</td>
<td>15</td>
<td>0.194&quot;</td>
<td>0.152&quot;</td>
</tr>
<tr>
<td>ET32-220</td>
<td>ER32</td>
<td>#12, 7/32&quot;</td>
<td>-</td>
<td>15</td>
<td>0.220&quot;</td>
<td>0.165&quot;</td>
</tr>
<tr>
<td>ET32-255</td>
<td>ER32</td>
<td>#14, 1/4&quot;</td>
<td>M6, M6.5</td>
<td>20</td>
<td>0.255&quot;</td>
<td>0.191&quot;</td>
</tr>
<tr>
<td>ET32-318</td>
<td>ER32</td>
<td>5/16&quot;</td>
<td>M7, M6.5, M8</td>
<td>20</td>
<td>0.318&quot;</td>
<td>0.238&quot;</td>
</tr>
<tr>
<td>ET32-333</td>
<td>ER32</td>
<td>7/16&quot;</td>
<td>-</td>
<td>20</td>
<td>0.323&quot;</td>
<td>0.242&quot;</td>
</tr>
<tr>
<td>ET32-367</td>
<td>ER32</td>
<td>1/2&quot;</td>
<td>M12, M12.5</td>
<td>25</td>
<td>0.367&quot;</td>
<td>0.275&quot;</td>
</tr>
<tr>
<td>ET32-381</td>
<td>ER32</td>
<td>3/8&quot;</td>
<td>M10</td>
<td>20</td>
<td>0.381&quot;</td>
<td>0.286&quot;</td>
</tr>
<tr>
<td>ET32-429</td>
<td>ER32</td>
<td>9/16&quot;</td>
<td>M14</td>
<td>25</td>
<td>0.429&quot;</td>
<td>0.322&quot;</td>
</tr>
<tr>
<td>ET32-437</td>
<td>ER32</td>
<td>1/8&quot; NPT(1)</td>
<td>-</td>
<td>18</td>
<td>0.437&quot;</td>
<td>0.328&quot;</td>
</tr>
<tr>
<td>ET32-480</td>
<td>ER32</td>
<td>11/16&quot;</td>
<td>M16</td>
<td>25</td>
<td>0.480&quot;</td>
<td>0.360&quot;</td>
</tr>
<tr>
<td>ET32-542</td>
<td>ER32</td>
<td>1/4&quot; NPT</td>
<td>-</td>
<td>18</td>
<td>0.562&quot;</td>
<td>0.421&quot;</td>
</tr>
<tr>
<td>ET32-562</td>
<td>ER32</td>
<td>3/4&quot;</td>
<td>-</td>
<td>30</td>
<td>0.590&quot;</td>
<td>0.442&quot;</td>
</tr>
<tr>
<td>ET32-652</td>
<td>ER32</td>
<td>13/16&quot;</td>
<td>M20</td>
<td>30</td>
<td>0.652&quot;</td>
<td>0.489&quot;</td>
</tr>
<tr>
<td>ET40-255</td>
<td>ER40</td>
<td>#14, 1/4&quot;</td>
<td>M6, M6.5</td>
<td>25</td>
<td>0.255&quot;</td>
<td>0.191&quot;</td>
</tr>
<tr>
<td>ET40-318</td>
<td>ER40</td>
<td>5/16&quot;</td>
<td>M7, M6.5, M8</td>
<td>25</td>
<td>0.318&quot;</td>
<td>0.238&quot;</td>
</tr>
<tr>
<td>ET40-323</td>
<td>ER40</td>
<td>7/16&quot;</td>
<td>-</td>
<td>25</td>
<td>0.323&quot;</td>
<td>0.242&quot;</td>
</tr>
<tr>
<td>ET40-367</td>
<td>ER40</td>
<td>1/2&quot;</td>
<td>M12, M12.5</td>
<td>25</td>
<td>0.367&quot;</td>
<td>0.275&quot;</td>
</tr>
<tr>
<td>ET40-381</td>
<td>ER40</td>
<td>3/8&quot;</td>
<td>M10</td>
<td>25</td>
<td>0.381&quot;</td>
<td>0.286&quot;</td>
</tr>
<tr>
<td>ET40-429</td>
<td>ER40</td>
<td>9/16&quot;</td>
<td>M14</td>
<td>25</td>
<td>0.429&quot;</td>
<td>0.322&quot;</td>
</tr>
<tr>
<td>ET40-437</td>
<td>ER40</td>
<td>1/8&quot; NPT(1)</td>
<td>-</td>
<td>18</td>
<td>0.437&quot;</td>
<td>0.328&quot;</td>
</tr>
<tr>
<td>ET40-480</td>
<td>ER40</td>
<td>5/8&quot;</td>
<td>M16</td>
<td>25</td>
<td>0.480&quot;</td>
<td>0.360&quot;</td>
</tr>
<tr>
<td>ET40-542</td>
<td>ER40</td>
<td>11/16&quot;</td>
<td>M18</td>
<td>30</td>
<td>0.542&quot;</td>
<td>0.404&quot;</td>
</tr>
<tr>
<td>ET40-562</td>
<td>ER40</td>
<td>1/4&quot; NPT</td>
<td>-</td>
<td>18</td>
<td>0.562&quot;</td>
<td>0.421&quot;</td>
</tr>
<tr>
<td>ET40-590</td>
<td>ER40</td>
<td>3/4&quot;</td>
<td>-</td>
<td>30</td>
<td>0.590&quot;</td>
<td>0.442&quot;</td>
</tr>
<tr>
<td>ET40-652</td>
<td>ER40</td>
<td>15/16&quot;</td>
<td>M20</td>
<td>30</td>
<td>0.652&quot;</td>
<td>0.489&quot;</td>
</tr>
<tr>
<td>ET40-687</td>
<td>ER40</td>
<td>1/2&quot; NPT</td>
<td>-</td>
<td>18</td>
<td>0.687&quot;</td>
<td>0.515&quot;</td>
</tr>
<tr>
<td>ET40-697</td>
<td>ER40</td>
<td>7/8&quot;</td>
<td>M22</td>
<td>30</td>
<td>0.697&quot;</td>
<td>0.523&quot;</td>
</tr>
<tr>
<td>ET40-700</td>
<td>ER40</td>
<td>3/8&quot; NPT</td>
<td>-</td>
<td>18</td>
<td>0.700&quot;</td>
<td>0.531&quot;</td>
</tr>
<tr>
<td>ET40-760</td>
<td>ER40</td>
<td>15/16&quot;</td>
<td>M24</td>
<td>35</td>
<td>0.760&quot;</td>
<td>0.570&quot;</td>
</tr>
<tr>
<td>ET40-800</td>
<td>ER40</td>
<td>1&quot;</td>
<td>M25</td>
<td>35</td>
<td>0.800&quot;</td>
<td>0.600&quot;</td>
</tr>
</tbody>
</table>
Lyndex-Nikken has now combined the versatility of our ER Tapping Collets with the popularity of our Coolant Collets to create our patented ER Coolant Tap Collets.

Note: Diameter and Square size are in accordance with U.S. Standard Taps.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>ER Series</th>
<th>Tap Inch Style</th>
<th>Tap Metric Size</th>
<th>L1 (mm)</th>
<th>⌀</th>
<th>δ</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET16-255(C)</td>
<td>ER16</td>
<td>#14, 1/4&quot;</td>
<td>M6, M6.5</td>
<td>22</td>
<td>0.255&quot;</td>
<td>0.191&quot;</td>
</tr>
<tr>
<td>ET16-318(C)</td>
<td>ER16</td>
<td>5/16&quot;</td>
<td>M7, M6.5, M8</td>
<td>22</td>
<td>0.318&quot;</td>
<td>0.238&quot;</td>
</tr>
<tr>
<td>ET20-255(C)</td>
<td>ER20</td>
<td>#14, 1/4&quot;</td>
<td>M6, M6.5</td>
<td>25</td>
<td>0.255&quot;</td>
<td>0.191&quot;</td>
</tr>
<tr>
<td>ET20-318(C)</td>
<td>ER20</td>
<td>5/16&quot;</td>
<td>M7, M6.5, M8</td>
<td>25</td>
<td>0.318&quot;</td>
<td>0.238&quot;</td>
</tr>
<tr>
<td>ET20-323(C)</td>
<td>ER20</td>
<td>7/16&quot;</td>
<td>-</td>
<td>25</td>
<td>0.323&quot;</td>
<td>0.242&quot;</td>
</tr>
<tr>
<td>ET20-367(C)</td>
<td>ER20</td>
<td>1/2&quot;</td>
<td>M12, M12.5</td>
<td>25</td>
<td>0.367&quot;</td>
<td>0.275&quot;</td>
</tr>
<tr>
<td>ET20-381(C)</td>
<td>ER20</td>
<td>3/8&quot;</td>
<td>M10</td>
<td>25</td>
<td>0.381&quot;</td>
<td>0.286&quot;</td>
</tr>
<tr>
<td>ET25-255(C)</td>
<td>ER25</td>
<td>#14, 1/4&quot;</td>
<td>M6, M6.5</td>
<td>25</td>
<td>0.255&quot;</td>
<td>0.191&quot;</td>
</tr>
<tr>
<td>ET25-318(C)</td>
<td>ER25</td>
<td>5/16&quot;</td>
<td>M7, M6.5, M8</td>
<td>25</td>
<td>0.318&quot;</td>
<td>0.238&quot;</td>
</tr>
<tr>
<td>ET25-323(C)</td>
<td>ER25</td>
<td>7/16&quot;</td>
<td>-</td>
<td>25</td>
<td>0.323&quot;</td>
<td>0.242&quot;</td>
</tr>
<tr>
<td>ET25-367(C)</td>
<td>ER25</td>
<td>1/2&quot;</td>
<td>M12, M12.5</td>
<td>25</td>
<td>0.367&quot;</td>
<td>0.275&quot;</td>
</tr>
<tr>
<td>ET25-381(C)</td>
<td>ER25</td>
<td>3/8&quot;</td>
<td>M10</td>
<td>27</td>
<td>0.381&quot;</td>
<td>0.286&quot;</td>
</tr>
<tr>
<td>ET25-429(C)</td>
<td>ER25</td>
<td>9/16&quot;</td>
<td>M14</td>
<td>25</td>
<td>0.429&quot;</td>
<td>0.322&quot;</td>
</tr>
<tr>
<td>ET25-480(C)</td>
<td>ER25</td>
<td>5/8&quot;</td>
<td>M16</td>
<td>30</td>
<td>0.480&quot;</td>
<td>0.360&quot;</td>
</tr>
<tr>
<td>ET32-255(C)</td>
<td>ER32</td>
<td>#14, 1/4&quot;</td>
<td>M6, M6.5</td>
<td>30</td>
<td>0.255&quot;</td>
<td>0.191&quot;</td>
</tr>
<tr>
<td>ET32-318(C)</td>
<td>ER32</td>
<td>5/16&quot;</td>
<td>M7, M6.5, M8</td>
<td>25</td>
<td>0.318&quot;</td>
<td>0.238&quot;</td>
</tr>
<tr>
<td>ET32-323(C)</td>
<td>ER32</td>
<td>7/16&quot;</td>
<td>-</td>
<td>25</td>
<td>0.323&quot;</td>
<td>0.242&quot;</td>
</tr>
<tr>
<td>ET32-367(C)</td>
<td>ER32</td>
<td>1/2&quot;</td>
<td>M12, M12.5</td>
<td>25</td>
<td>0.367&quot;</td>
<td>0.275&quot;</td>
</tr>
<tr>
<td>ET32-381(C)</td>
<td>ER32</td>
<td>3/8&quot;</td>
<td>M10</td>
<td>27</td>
<td>0.381&quot;</td>
<td>0.286&quot;</td>
</tr>
<tr>
<td>ET32-429(C)</td>
<td>ER32</td>
<td>9/16&quot;</td>
<td>M14</td>
<td>25</td>
<td>0.429&quot;</td>
<td>0.322&quot;</td>
</tr>
<tr>
<td>ET32-480(C)</td>
<td>ER32</td>
<td>5/8&quot;</td>
<td>M16</td>
<td>30</td>
<td>0.480&quot;</td>
<td>0.360&quot;</td>
</tr>
<tr>
<td>ET32-542(C)</td>
<td>ER32</td>
<td>11/16&quot;</td>
<td>M18</td>
<td>30</td>
<td>0.542&quot;</td>
<td>0.406&quot;</td>
</tr>
<tr>
<td>ET32-590(C)</td>
<td>ER32</td>
<td>3/4&quot;</td>
<td>-</td>
<td>35</td>
<td>0.590&quot;</td>
<td>0.442&quot;</td>
</tr>
<tr>
<td>ET32-652(C)</td>
<td>ER32</td>
<td>13/16&quot;</td>
<td>M20</td>
<td>35</td>
<td>0.652&quot;</td>
<td>0.489&quot;</td>
</tr>
<tr>
<td>ET40-323(C)</td>
<td>ER40</td>
<td>7/16&quot;</td>
<td>-</td>
<td>35</td>
<td>0.323&quot;</td>
<td>0.242&quot;</td>
</tr>
<tr>
<td>ET40-367(C)</td>
<td>ER40</td>
<td>1/2&quot;</td>
<td>M12, M12.5</td>
<td>25</td>
<td>0.367&quot;</td>
<td>0.275&quot;</td>
</tr>
<tr>
<td>ET40-381(C)</td>
<td>ER40</td>
<td>3/8&quot;</td>
<td>M10</td>
<td>27</td>
<td>0.381&quot;</td>
<td>0.286&quot;</td>
</tr>
<tr>
<td>ET40-429(C)</td>
<td>ER40</td>
<td>9/16&quot;</td>
<td>M14</td>
<td>25</td>
<td>0.429&quot;</td>
<td>0.322&quot;</td>
</tr>
<tr>
<td>ET40-480(C)</td>
<td>ER40</td>
<td>5/8&quot;</td>
<td>M16</td>
<td>30</td>
<td>0.480&quot;</td>
<td>0.360&quot;</td>
</tr>
<tr>
<td>ET40-542(C)</td>
<td>ER40</td>
<td>11/16&quot;</td>
<td>M18</td>
<td>30</td>
<td>0.542&quot;</td>
<td>0.406&quot;</td>
</tr>
<tr>
<td>ET40-590(C)</td>
<td>ER40</td>
<td>3/4&quot;</td>
<td>-</td>
<td>35</td>
<td>0.590&quot;</td>
<td>0.442&quot;</td>
</tr>
<tr>
<td>ET40-652(C)</td>
<td>ER40</td>
<td>13/16&quot;</td>
<td>M20</td>
<td>35</td>
<td>0.652&quot;</td>
<td>0.489&quot;</td>
</tr>
<tr>
<td>ET40-697(C)</td>
<td>ER40</td>
<td>7/8&quot;</td>
<td>M22</td>
<td>35</td>
<td>0.697&quot;</td>
<td>0.523&quot;</td>
</tr>
<tr>
<td>ET40-760(C)</td>
<td>ER40</td>
<td>15/16&quot;</td>
<td>M24</td>
<td>38</td>
<td>0.760&quot;</td>
<td>0.570&quot;</td>
</tr>
<tr>
<td>ET40-800(C)</td>
<td>ER40</td>
<td>1&quot;</td>
<td>M25</td>
<td>38</td>
<td>0.800&quot;</td>
<td>0.600&quot;</td>
</tr>
</tbody>
</table>

Note: Seals up to a maximum coolant pressure of 1000 psi.
## ER Collet Rack

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RACK-ER11/SK6</td>
<td>ER11 Collet Rack, 35 collet capacity</td>
</tr>
<tr>
<td>RACK-ER20/1TAP</td>
<td>ER20 Collet Rack, 24 collet capacity</td>
</tr>
<tr>
<td>RACK-ER16/SK16/ER25</td>
<td>ER25 Collet Rack, 30 collet capacity</td>
</tr>
<tr>
<td>RACK-ER32/2TAP</td>
<td>ER32 Collet Rack, 24 collet capacity</td>
</tr>
<tr>
<td>RACK-ER40</td>
<td>ER40 Collet Rack, 24 collet capacity</td>
</tr>
</tbody>
</table>

## Replacement Nut for ER Collet Chuck

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08-NANUT</td>
<td>ER8 Nut</td>
</tr>
<tr>
<td>E11-NUT</td>
<td>ER11 Hex Nut</td>
</tr>
<tr>
<td>E16-NUT</td>
<td>ER16 Nut</td>
</tr>
<tr>
<td>016-NUT</td>
<td>ER16 Hex Nut</td>
</tr>
<tr>
<td>E20-NUT</td>
<td>ER20 Nut</td>
</tr>
<tr>
<td>E25-NUT</td>
<td>ER25 Nut</td>
</tr>
<tr>
<td>E32-NUT</td>
<td>ER32 Nut</td>
</tr>
<tr>
<td>E32-NUT-ST</td>
<td>ER32 Nut (Short) for C5057-0032-12.00</td>
</tr>
<tr>
<td>E40-NUT</td>
<td>ER40 Nut</td>
</tr>
<tr>
<td>E40-NUT-ST</td>
<td>ER40 Nut (Short) for C5057-0040-12.00</td>
</tr>
</tbody>
</table>

## Spanner Wrench for ER Collet Chuck Nut

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08-NASPAN</td>
<td>Wrench for ER8 Chuck Nut</td>
</tr>
<tr>
<td>011-HEX</td>
<td>Wrench for ER11 Chuck Nut</td>
</tr>
<tr>
<td>016-SPAN</td>
<td>Wrench for ER16 Chuck Nut</td>
</tr>
<tr>
<td>020-SPAN</td>
<td>Wrench for ER20 Chuck Nut</td>
</tr>
<tr>
<td>025-SPAN</td>
<td>Wrench for ER25 Chuck Nut</td>
</tr>
<tr>
<td>032-SPAN</td>
<td>Wrench for ER32 Chuck Nut</td>
</tr>
<tr>
<td>040-SPAN</td>
<td>Wrench for ER40 Chuck Nut</td>
</tr>
</tbody>
</table>
ER Collet Chuck Accessories

Torque Wrench and Attachment for ER Collet Chuck Nut

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TQW-025</td>
<td>Torque Wrench for ER8 Chuck Nut</td>
</tr>
<tr>
<td>TQW-150</td>
<td>Torque Wrench for ER11/16/20/25/32/40 Chuck Nut</td>
</tr>
<tr>
<td>TQW-ER08</td>
<td>ER8 Attachment for TQW-025 Torque Wrench</td>
</tr>
<tr>
<td>TQW-ER11(17)</td>
<td>ER11 Attachment for TQW-150 Torque Wrench</td>
</tr>
<tr>
<td>TQW-ER16(32)</td>
<td>ER16 Attachment for TQW-150 Torque Wrench</td>
</tr>
<tr>
<td>TQW-ER20(32)</td>
<td>ER20 Attachment for TQW-150 Torque Wrench</td>
</tr>
<tr>
<td>TQW-ER25(43)</td>
<td>ER25 Attachment for TQW-150 Torque Wrench</td>
</tr>
<tr>
<td>TQW-ER32(50)</td>
<td>ER32 Attachment for TQW-150 Torque Wrench</td>
</tr>
<tr>
<td>TQW-ER40(63)</td>
<td>ER40 Attachment for TQW-150 Torque Wrench</td>
</tr>
</tbody>
</table>

Note: (XX) Denotes nut diameter.

Replacement Back Up Screws for ER Collet Chuck

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ER8-3</td>
<td>ER8 Backup Screws</td>
</tr>
<tr>
<td>ER8-3 (C)</td>
<td>ER8 Coolant-thru Backup Screws</td>
</tr>
<tr>
<td>ER11-3</td>
<td>ER11 Backup Screws*</td>
</tr>
<tr>
<td>ER11-3 (C)</td>
<td>ER11 Coolant-thru Backup Screws*</td>
</tr>
<tr>
<td>ER16-3</td>
<td>ER16 Backup Screws</td>
</tr>
<tr>
<td>ER16-3 (C)</td>
<td>ER16 Coolant-thru Backup Screws</td>
</tr>
<tr>
<td>ER20-3</td>
<td>ER20 Backup Screws</td>
</tr>
<tr>
<td>ER20-3 (C)</td>
<td>ER20 Coolant-thru Backup Screws</td>
</tr>
<tr>
<td>ER25-3</td>
<td>ER25 Backup Screws</td>
</tr>
<tr>
<td>ER25-3 (C)</td>
<td>ER25 Coolant-thru Backup Screws</td>
</tr>
<tr>
<td>ER32-3</td>
<td>ER32 Backup Screws</td>
</tr>
<tr>
<td>ER32-3 (C)</td>
<td>ER32 Coolant-thru Backup Screws</td>
</tr>
<tr>
<td>ER40-3</td>
<td>ER40 Backup Screws</td>
</tr>
<tr>
<td>ER40-3 (C)</td>
<td>ER40 Coolant-thru Backup Screws</td>
</tr>
</tbody>
</table>

Note: *ER11-3 can also be used with ER16 Collet Chuck Extension.

Coolant Tube Wrench for HSK Holders

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSK40-WRENCH</td>
<td>Wrench for HSK40 Coolant Tube</td>
</tr>
<tr>
<td>HSK63-WRENCH</td>
<td>Wrench for HSK63 Coolant Tube</td>
</tr>
<tr>
<td>HSK100-WRENCH</td>
<td>Wrench for HSK100 Coolant Tube</td>
</tr>
</tbody>
</table>

Note: Coolant Tube Wrenches are needed to remove or install coolant tubes in HSK toolholders.

Coolant Tube for HSK Holders

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSK40-TUBE</td>
<td>Coolant Tube for HSK40 holder</td>
</tr>
<tr>
<td>HSK63-TUBE</td>
<td>Coolant Tube for HSK63 holder</td>
</tr>
<tr>
<td>HSK100-TUBE</td>
<td>Coolant Tube for HSK100 holder</td>
</tr>
</tbody>
</table>
SK COLLET CHUCKS
LEAN, TOUGH AND EFFICIENT (Pages 9-38)

• Narrow body design accesses tight spots.
• Applicable for all milling, drilling, reaming and rigid tapping applications.
• Two times more accurate than ER Collet Chucks, within 10 times better repeatability.
• Over 1 million SK Collet Chucks and 15 million SK collets sold worldwide.

VC COLLET CHUCKS
ULTRA PERFORMANCE (Pages 63-74)

• Extremely precise with 0.00012” or less concentricity guarantee with any collet.
• Ideal for high-speed machining, thread milling, ultra precision reaming.
• Two times more accurate than ER Collet Chucks, within 10 times better repeatability.

SHRINK FIT HOLDERS
HIGH ACCURACY WITH OPTIMAL CLEARANCE (Pages 83-96)

• Shrink fit holders provide minimal run out.
• Pre-balanced for up to 40,000 RPM.
• Excellent surface finish, extreme gripping and ideal for high-speed applications.
• Increase cutting tool life, material removal rate and workpiece accuracy.