








| Micro-machining | Standard and ultraprecision | micRun® | Metallic sealed | Pullout protection secuRgrip® | Collets for tapping | |
|---|---|---|---|---|---|---|
| ER-MB | ER-Standard/ ER-UP | MR | ER-DM | ER-SG | ER-GB | PCM ET1 |
|  |  |  |  |  |  |  |
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Swiss quality ER collets



MB

microbore



Std.

standard



UP

ultra-precision



MR

micRun®



DM

metallic sealed



SG

secuRgrip®



GB

tapping collet



PCM ET1

tapping collet

| | | | | | | | | |
|---|-----------------|----------------------|----------------------|----------------|----------------------|-----------------|----------------------|--|
| Main machining use | micro-machining | all | high precision | high precision | internal cooling | heavy machining | rigid tapping | rigid tapping with length compensation |
| DIN ISO 15488: form ... | A | B | B | B | B | B | A | A |
| ER size | 8–16 | 8–50 | 8–50 | 11–32 | 11–40 | 32–40 | 11–50 | 11–40 |
| Shaft diameter range | 0.2–0.9 | 1.0–36.0 | 1.0–36.0 | 1.0–20.9 | 3.0–26.0 | 10.0–25.4 | 2.5–32.0 | 1.4–17.0 |
| Clamping range (mm) or tolerance | h7 | 1 | 1 | h11 | 0.5 | h6 | h9 | h9 |
| Runout (max)* | 6 µm | 10 µm | 5 µm | 2 µm | 6 µm | 5 µm | 10 µm | 10 µm |
| Anti-corrosion coating | – | available on request | available on request | – | available on request | – | available on request | – |
| Metallic sealed | – | – | – | – | • | – | – | – |
| Internal square | – | – | – | – | – | – | • | • |
| Length compensation | – | – | – | – | – | – | – | • |
| secuRgrip® thread to prevent tool pullout | – | – | – | – | – | • | – | – |
| Collet-locking system | – | • | • | • | • | • | • | – |

*For information about our measuring values, please refer to page 271

Expert advice

Please note that DM collets are not compatible with Weldon or Whistle notch shafts.

To achieve internal cooling with Weldon or Whistle notch shafts, use the REGO-FIX sealing disks ER/DS with your REGO-FIX ER collet.

| Type | Part no. | Clamping capacity h7 | |
|----------------|------------|----------------------|----------------|
| | | [mm] | [decimal inch] |
| ER 8-MB | | | |
| Ø 0.2 mm | 1308.00200 | 0.2 | 0.0079 |
| Ø 0.3 mm | 1308.00300 | 0.3 | 0.0118 |
| Ø 0.4 mm | 1308.00400 | 0.4 | 0.0157 |
| Ø 0.5 mm | 1308.00500 | 0.5 | 0.0197 |
| Ø 0.6 mm | 1308.00600 | 0.6 | 0.0236 |
| Ø 0.7 mm | 1308.00700 | 0.7 | 0.0276 |
| Ø 0.8 mm | 1308.00800 | 0.8 | 0.0315 |
| Ø 0.9 mm | 1308.00900 | 0.9 | 0.0354 |

| | | | |
|-----------------|------------|-----|--------|
| ER 11-MB | | | |
| Ø 0.2 mm | 1311.00200 | 0.2 | 0.0079 |
| Ø 0.3 mm | 1311.00300 | 0.3 | 0.0118 |
| Ø 0.4 mm | 1311.00400 | 0.4 | 0.0157 |
| Ø 0.5 mm | 1311.00500 | 0.5 | 0.0197 |
| Ø 0.6 mm | 1311.00600 | 0.6 | 0.0236 |
| Ø 0.7 mm | 1311.00700 | 0.7 | 0.0276 |
| Ø 0.8 mm | 1311.00800 | 0.8 | 0.0315 |
| Ø 0.9 mm | 1311.00900 | 0.9 | 0.0354 |

| | | | |
|-----------------|------------|-----|--------|
| ER 16-MB | | | |
| Ø 0.2 mm | 1316.00200 | 0.2 | 0.0079 |
| Ø 0.3 mm | 1316.00300 | 0.3 | 0.0118 |
| Ø 0.4 mm | 1316.00400 | 0.4 | 0.0157 |
| Ø 0.5 mm | 1316.00500 | 0.5 | 0.0197 |
| Ø 0.6 mm | 1316.00600 | 0.6 | 0.0236 |
| Ø 0.7 mm | 1316.00700 | 0.7 | 0.0276 |
| Ø 0.8 mm | 1316.00800 | 0.8 | 0.0315 |
| Ø 0.9 mm | 1316.00900 | 0.9 | 0.0354 |

For further technical information, please refer to page 300

Expert advice

Microbore collets have a runout of $\leq 6\mu\text{m}$. They have been developed by REGO-FIX especially for smallest tool shank diameters.

For tool shanks with nominal diameter h7 tolerance only.



ER standard collets and ultraprecision collets ER-UP

| ER std. | ER-UP |
|------------|------------|
| DIN 6499-B | DIN 6499-B |
| ISO 15488 | ISO 15488 |

| Type | Part no. | | Clamping range | | Ø [inch] | Included in set |
|--------------------|-------------|------------|----------------|----------------|----------|-----------------|
| | ER standard | ER-UP | [mm] | [decimal inch] | | |
| ER 8 [mm] | | | | | | |
| SET ER 8 | 1108.00000 | 1108.00001 | 0.5–5.0 | 0.0197–0.1969 | – | – |
| Ø 1.0 mm | 1108.01000 | 1108.01001 | 1.0–0.5 | 0.0394–0.0197 | 1/32" | • |
| Ø 1.5 mm | 1108.01500 | 1108.01501 | 1.5–1.0 | 0.0591–0.0394 | – | • |
| Ø 2.0 mm | 1108.02000 | 1108.02001 | 2.0–1.5 | 0.0787–0.0591 | 1/16"* | • |
| Ø 2.5 mm | 1108.02500 | 1108.02501 | 2.5–2.0 | 0.0984–0.0787 | 3/32" | • |
| Ø 3.0 mm | 1108.03000 | 1108.03001 | 3.0–2.5 | 0.1181–0.0984 | – | • |
| Ø 3.5 mm | 1108.03500 | 1108.03501 | 3.5–3.0 | 0.1378–0.1181 | 1/8"* | • |
| Ø 4.0 mm | 1108.04000 | 1108.04001 | 4.0–3.5 | 0.1575–0.1378 | 5/32" | • |
| Ø 4.5 mm | 1108.04500 | 1108.04501 | 4.5–4.0 | 0.1772–0.1575 | – | • |
| Ø 5.0 mm | 1108.05000 | 1108.05001 | 5.0–4.5 | 0.1969–0.1772 | 3/16"* | • |
| ER 8 [inch] | | | | | | |
| INCH SET ER 8 | 1108.00002 | 1108.00003 | 1.09–4.76 | 0.0429–0.1875 | – | – |
| Ø 1/16" | 1108.01592 | 1108.01593 | 1.59–1.09 | 0.0625–0.0429 | – | • |
| Ø 1/8" | 1108.03182 | 1108.03183 | 3.18–2.68 | 0.125–0.1055 | – | • |
| Ø 3/16" | 1108.04762 | 1108.04763 | 4.76–4.25 | 0.1875–0.1675 | – | • |
| ER 11 [mm] | | | | | | |
| SET ER 11 | 1111.00000 | 1111.00001 | 0.5–7.0 | 0.0197–0.2756 | – | – |
| Ø 1.0 mm | 1111.01000 | 1111.01001 | 1.0–0.5 | 0.0394–0.0197 | 1/32" | • |
| Ø 1.5 mm | 1111.01500 | 1111.01501 | 1.5–1.0 | 0.0591–0.0394 | – | • |
| Ø 2.0 mm | 1111.02000 | 1111.02001 | 2.0–1.5 | 0.0787–0.0591 | 1/16"* | • |
| Ø 2.5 mm | 1111.02500 | 1111.02501 | 2.5–2.0 | 0.0984–0.0787 | 3/32"* | • |
| Ø 3.0 mm | 1111.03000 | 1111.03001 | 3.0–2.5 | 0.1181–0.0984 | – | • |
| Ø 3.5 mm | 1111.03500 | 1111.03501 | 3.5–3.0 | 0.1378–0.1181 | 1/8"* | • |
| Ø 4.0 mm | 1111.04000 | 1111.04001 | 4.0–3.5 | 0.1575–0.1378 | 5/32"* | • |
| Ø 4.5 mm | 1111.04500 | 1111.04501 | 4.5–4.0 | 0.1772–0.1575 | – | • |
| Ø 5.0 mm | 1111.05000 | 1111.05001 | 5.0–4.5 | 0.1969–0.1772 | 3/16"* | • |
| Ø 5.5 mm | 1111.05500 | 1111.05501 | 5.5–5.0 | 0.2165–0.1969 | – | • |
| Ø 6.0 mm | 1111.06000 | 1111.06001 | 6.0–5.5 | 0.2362–0.2165 | 7/32"* | • |
| Ø 6.5 mm | 1111.06500 | 1111.06501 | 6.5–6.0 | 0.2559–0.2362 | 1/4"* | • |
| Ø 7.0 mm | 1111.07000 | 1111.07001 | 7.0–6.5 | 0.2756–0.2559 | – | • |

Included in the ER sets are all marked collets within that size and the matching collet tray ZWT

*Approx. inch sizing

For further technical information, please refer to page 295

Expert advice

Various ER collets are available on request with an anti-corrosion coating for improved collet lifetime.

ER standard collets and ultraprecision collets ER-UP

| ER std. | ER-UP |
|------------|------------|
| DIN 6499-B | DIN 6499-B |
| ISO 15488 | ISO 15488 |

| Type | Part no. | | Clamping range | | Ø [inch] | Included in set |
|---------------------|-------------|------------|----------------|----------------|----------|-----------------|
| | ER standard | ER-UP | [mm] | [decimal inch] | | |
| ER 11 [inch] | | | | | | |
| INCH SET ER 11 | 1111.00002 | 1111.00003 | 1.09–6.35 | 0.0429–0.25 | – | – |
| Ø 1/16" | 1111.01592 | 1111.01593 | 1.59–1.09 | 0.0625–0.0429 | 1/16" | • |
| Ø 3/32" | 1111.02382 | 1111.02383 | 2.38–1.87 | 0.0938–0.0738 | 3/32" | • |
| Ø 1/8" | 1111.03182 | 1111.03183 | 3.18–2.67 | 0.125–0.105 | 1/8" | • |
| Ø 5/32" | 1111.03972 | 1111.03973 | 3.97–3.46 | 0.1563–0.1363 | 5/32" | • |
| Ø 3/16" | 1111.04762 | 1111.04763 | 4.76–4.25 | 0.1875–0.1675 | 3/16" | • |
| Ø 7/32" | 1111.05562 | 1111.05563 | 5.56–5.04 | 0.2188–0.1988 | 7/32" | • |
| Ø 1/4" | 1111.06352 | 1111.06353 | 6.35–5.84 | 0.25–0.23 | 1/4" | • |
| ER 16 [mm] | | | | | | |
| SET ER 16 | 1116.00000 | 1116.00001 | 0.5–10.0 | 0.0197–0.3937 | – | – |
| Ø 1.0 mm | 1116.01000 | 1116.01001 | 1.0–0.5 | 0.0394–0.0197 | 1/32" | • |
| Ø 1.5 mm | 1116.01500 | 1116.01501 | 1.5–1.0 | 0.0591–0.0394 | – | – |
| Ø 2.0 mm | 1116.02000 | 1116.02001 | 2.0–1.0 | 0.0787–0.0394 | 1/16"* | • |
| Ø 2.5 mm | 1116.02500 | 1116.02501 | 2.5–1.5 | 0.0984–0.0591 | 3/32"* | – |
| Ø 3.0 mm | 1116.03000 | 1116.03001 | 3.0–2.0 | 0.1181–0.0787 | – | • |
| Ø 3.5 mm | 1116.03500 | 1116.03501 | 3.5–2.5 | 0.1378–0.0984 | 1/8"* | – |
| Ø 4.0 mm | 1116.04000 | 1116.04001 | 4.0–3.0 | 0.1575–0.1181 | 5/32"* | • |
| Ø 4.5 mm | 1116.04500 | 1116.04501 | 4.5–3.5 | 0.1772–0.1378 | – | – |
| Ø 5.0 mm | 1116.05000 | 1116.05001 | 5.0–4.0 | 0.1969–0.1575 | 3/16"* | • |
| Ø 5.5 mm | 1116.05500 | 1116.05501 | 5.5–4.5 | 0.2165–0.1772 | – | – |
| Ø 6.0 mm | 1116.06000 | 1116.06001 | 6.0–5.0 | 0.2362–0.1969 | 7/32"* | • |
| Ø 6.5 mm | 1116.06500 | 1116.06501 | 6.5–5.5 | 0.2559–0.2165 | 1/4"* | – |
| Ø 7.0 mm | 1116.07000 | 1116.07001 | 7.0–6.0 | 0.2756–0.2362 | – | • |
| Ø 7.5 mm | 1116.07500 | 1116.07501 | 7.5–6.5 | 0.2953–0.2559 | 9/32"* | – |
| Ø 8.0 mm | 1116.08000 | 1116.08001 | 8.0–7.0 | 0.315–0.2756 | 5/16"* | • |
| Ø 8.5 mm | 1116.08500 | 1116.08501 | 8.5–7.5 | 0.3346–0.2953 | – | – |
| Ø 9.0 mm | 1116.09000 | 1116.09001 | 9.0–8.0 | 0.3543–0.315 | 11/32"* | • |
| Ø 9.5 mm | 1116.09500 | 1116.09501 | 9.5–8.5 | 0.374–0.3346 | – | – |
| Ø 10.0 mm | 1116.10000 | 1116.10001 | 10.0–9.0 | 0.3937–0.3543 | 3/8"* | • |
| ER 16 [inch] | | | | | | |
| INCH SET ER 16 | 1116.00002 | 1116.00003 | 1.09–10.32 | 0.0429–0.4063 | – | – |
| Ø 1/16" | 1116.01592 | 1116.01593 | 1.59–1.09 | 0.0625–0.0429 | 1/16" | • |
| Ø 3/32" | 1116.02382 | 1116.02383 | 2.38–1.87 | 0.0938–0.0738 | 3/32" | • |
| Ø 1/8" | 1116.03182 | 1116.03183 | 3.18–2.16 | 0.125–0.085 | 1/8" | • |
| Ø 5/32" | 1116.03972 | 1116.03973 | 3.97–2.95 | 0.1563–0.1163 | 5/32" | • |
| Ø 3/16" | 1116.04762 | 1116.04763 | 4.76–3.75 | 0.1875–0.1475 | 3/16" | • |

Included in the ER sets are all marked collets within that size and the matching collet tray ZWT

*Approx. inch sizing

ER standard collets and ultraprecision collets ER-UP

| ER std. | ER-UP |
|------------|------------|
| DIN 6499-B | DIN 6499-B |
| ISO 15488 | ISO 15488 |

| Type | Part no. | | Clamping range | | Ø [inch] | Included in set |
|----------|-------------|------------|----------------|----------------|----------|-----------------|
| | ER standard | ER-UP | [mm] | [decimal inch] | | |
| Ø 7/32" | 1116.05562 | 1116.05563 | 5.56–4.54 | 0.2188–0.1788 | 7/32" | • |
| Ø 1/4" | 1116.06352 | 1116.06353 | 6.35–5.33 | 0.25–0.21 | 1/4" | • |
| Ø 9/32" | 1116.07142 | 1116.07143 | 7.15–6.13 | 0.2813–0.2413 | 9/32" | • |
| Ø 5/16" | 1116.07942 | 1116.07943 | 7.94–6.92 | 0.3125–0.2725 | 5/16" | • |
| Ø 11/32" | 1116.08732 | 1116.08733 | 8.73–7.72 | 0.3438–0.3038 | 11/32" | • |
| Ø 3/8" | 1116.09532 | 1116.09533 | 9.53–8.51 | 0.375–0.335 | 3/8" | • |
| Ø 13/32" | 1116.10322 | 1116.10323 | 10.32–9.3 | 0.4063–0.3663 | 13/32" | • |

ER 20 [mm]

| | | | | | | |
|-----------|------------|------------|-----------|---------------|--------|---|
| SET ER 20 | 1120.00000 | 1120.00001 | 1.0–13.0 | 0.0394–0.5118 | – | – |
| Ø 1.0 mm | 1120.01000 | 1120.01001 | 1.0–0.5 | 0.0394–0.0197 | 1/32" | – |
| Ø 1.5 mm | 1120.01500 | 1120.01501 | 1.5–1.0 | 0.0591–0.0394 | – | – |
| Ø 2.0 mm | 1120.02000 | 1120.02001 | 2.0–1.0 | 0.0787–0.0394 | 1/16" | • |
| Ø 2.5 mm | 1120.02500 | 1120.02501 | 2.5–1.5 | 0.0984–0.0591 | 3/32" | – |
| Ø 3.0 mm | 1120.03000 | 1120.03001 | 3.0–2.0 | 0.1181–0.0787 | – | • |
| Ø 3.5 mm | 1120.03500 | 1120.03501 | 3.5–2.5 | 0.1378–0.0984 | 1/8" | – |
| Ø 4.0 mm | 1120.04000 | 1120.04001 | 4.0–3.0 | 0.1575–0.1181 | 5/32" | • |
| Ø 4.5 mm | 1120.04500 | 1120.04501 | 4.5–3.5 | 0.1772–0.1378 | – | – |
| Ø 5.0 mm | 1120.05000 | 1120.05001 | 5.0–4.0 | 0.1969–0.1575 | 3/16" | • |
| Ø 5.5 mm | 1120.05500 | 1120.05501 | 5.5–4.5 | 0.2165–0.1772 | – | – |
| Ø 6.0 mm | 1120.06000 | 1120.06001 | 6.0–5.0 | 0.2362–0.1969 | 7/32" | • |
| Ø 6.5 mm | 1120.06500 | 1120.06501 | 6.5–5.5 | 0.2559–0.2165 | 1/4" | – |
| Ø 7.0 mm | 1120.07000 | 1120.07001 | 7.0–6.0 | 0.2756–0.2362 | – | • |
| Ø 7.5 mm | 1120.07500 | 1120.07501 | 7.5–6.5 | 0.2953–0.2559 | 9/32" | – |
| Ø 8.0 mm | 1120.08000 | 1120.08001 | 8.0–7.0 | 0.315–0.2756 | 5/16" | • |
| Ø 8.5 mm | 1120.08500 | 1120.08501 | 8.5–7.5 | 0.3346–0.2953 | – | – |
| Ø 9.0 mm | 1120.09000 | 1120.09001 | 9.0–8.0 | 0.3543–0.315 | 11/32" | • |
| Ø 9.5 mm | 1120.09500 | 1120.09501 | 9.5–8.5 | 0.374–0.3346 | – | – |
| Ø 10.0 mm | 1120.10000 | 1120.10001 | 10.0–9.0 | 0.3937–0.3543 | 3/8" | • |
| Ø 10.5 mm | 1120.10500 | 1120.10501 | 10.5–9.5 | 0.4134–0.374 | 13/32" | – |
| Ø 11.0 mm | 1120.11000 | 1120.11001 | 11.0–10.0 | 0.4331–0.3937 | – | • |
| Ø 11.5 mm | 1120.11500 | 1120.11501 | 11.5–10.5 | 0.4528–0.4134 | 7/16" | – |
| Ø 12.0 mm | 1120.12000 | 1120.12001 | 12.0–11.0 | 0.4724–0.433 | 15/32" | • |
| Ø 12.5 mm | 1120.12500 | 1120.12501 | 12.5–11.5 | 0.4921–0.4528 | – | – |
| Ø 13.0 mm | 1120.13000 | 1120.13001 | 13.0–12.0 | 0.5118–0.4724 | 1/2" | • |

Included in the ER sets are all marked collets within that size and the matching collet tray ZWT

*Approx. inch sizing

For further technical information, please refer to page 295

ER standard collets and ultraprecision collets ER-UP

| ER std. | ER-UP |
|------------|------------|
| DIN 6499-B | DIN 6499-B |
| ISO 15488 | ISO 15488 |

| Type | Part no. | | Clamping range | | Ø [inch] | Included in set |
|---------------------|-------------|------------|----------------|----------------|----------|-----------------|
| | ER standard | ER-UP | [mm] | [decimal inch] | | |
| ER 20 [inch] | | | | | | |
| INCH SET ER 20 | 1120.00002 | 1120.00003 | 2.16–12.7 | 0.085–0.5 | – | – |
| Ø 1/8" | 1120.03182 | 1120.03183 | 3.18–2.18 | 0.125–0.085 | 1/8" | • |
| Ø 3/16" | 1120.04762 | 1120.04763 | 4.76–3.76 | 0.1875–0.1475 | 3/16" | • |
| Ø 1/4" | 1120.06352 | 1120.06353 | 6.35–5.35 | 0.25–0.21 | 1/4" | • |
| Ø 5/16" | 1120.07942 | 1120.07943 | 7.94–6.94 | 0.3125–0.2725 | 5/16" | • |
| Ø 3/8" | 1120.09532 | 1120.09533 | 9.53–8.53 | 0.375–0.335 | 3/8" | • |
| Ø 7/16" | 1120.11112 | 1120.11113 | 11.11–10.11 | 0.4375–0.3975 | 7/16" | • |
| Ø 1/2" | 1120.12702 | 1120.12703 | 12.7–11.7 | 0.5–0.46 | 1/2" | • |
| ER 25 [mm] | | | | | | |
| SET ER 25 | 1125.00000 | 1125.00001 | 2.0–16.0 | 0.0787–0.6299 | – | – |
| Ø 1.0 mm | 1125.01000 | 1125.01001 | 1.0–0.5 | 0.0394–0.0197 | 1/32" | – |
| Ø 1.5 mm | 1125.01500 | 1125.01501 | 1.5–1.0 | 0.0591–0.0394 | – | – |
| Ø 2.0 mm | 1125.02000 | 1125.02001 | 2.0–1.0 | 0.0787–0.0394 | 1/16" | • |
| Ø 2.5 mm | 1125.02500 | 1125.02501 | 2.5–1.5 | 0.0984–0.0591 | 3/32" | – |
| Ø 3.0 mm | 1125.03000 | 1125.03001 | 3.0–2.0 | 0.1181–0.0787 | – | • |
| Ø 3.5 mm | 1125.03500 | 1125.03501 | 3.5–2.5 | 0.1378–0.0984 | 1/8"* | – |
| Ø 4.0 mm | 1125.04000 | 1125.04001 | 4.0–3.0 | 0.1575–0.1181 | 5/32" | • |
| Ø 4.5 mm | 1125.04500 | 1125.04501 | 4.5–3.5 | 0.1772–0.1378 | – | – |
| Ø 5.0 mm | 1125.05000 | 1125.05001 | 5.0–4.0 | 0.1969–0.1575 | 3/16"* | • |
| Ø 5.5 mm | 1125.05500 | 1125.05501 | 5.5–4.5 | 0.2165–0.1772 | – | – |
| Ø 6.0 mm | 1125.06000 | 1125.06001 | 6.0–5.0 | 0.2362–0.1969 | 7/32" | • |
| Ø 6.5 mm | 1125.06500 | 1125.06501 | 6.5–5.5 | 0.2559–0.2165 | 1/4"* | – |
| Ø 7.0 mm | 1125.07000 | 1125.07001 | 7.0–6.0 | 0.2756–0.2362 | – | • |
| Ø 7.5 mm | 1125.07500 | 1125.07501 | 7.5–6.5 | 0.2953–0.2559 | 9/32" | – |
| Ø 8.0 mm | 1125.08000 | 1125.08001 | 8.0–7.0 | 0.315–0.2756 | 5/16"* | • |
| Ø 8.5 mm | 1125.08500 | 1125.08501 | 8.5–7.5 | 0.3346–0.2953 | – | – |
| Ø 9.0 mm | 1125.09000 | 1125.09001 | 9.0–8.0 | 0.3543–0.315 | 11/32" | • |
| Ø 9.5 mm | 1125.09500 | 1125.09501 | 9.5–8.5 | 0.374–0.3346 | – | – |
| Ø 10.0 mm | 1125.10000 | 1125.10001 | 10.0–9.0 | 0.3937–0.3543 | 3/8"* | • |
| Ø 10.5 mm | 1125.10500 | 1125.10501 | 10.5–9.5 | 0.4134–0.374 | 13/32" | – |
| Ø 11.0 mm | 1125.11000 | 1125.11001 | 11.0–10.0 | 0.4331–0.3937 | – | • |
| Ø 11.5 mm | 1125.11500 | 1125.11501 | 11.5–10.5 | 0.4528–0.4134 | 7/16"* | – |
| Ø 12.0 mm | 1125.12000 | 1125.12001 | 12.0–11.0 | 0.4724–0.4331 | 15/32" | • |
| Ø 12.5 mm | 1125.12500 | 1125.12501 | 12.5–11.5 | 0.4921–0.4528 | – | – |
| Ø 13.0 mm | 1125.13000 | 1125.13001 | 13.0–12.0 | 0.5118–0.4724 | 1/2"* | • |
| Ø 13.5 mm | 1125.13500 | 1125.13501 | 13.5–12.5 | 0.5315–0.4921 | 17/32" | – |
| Ø 14.0 mm | 1125.14000 | 1125.14001 | 14.0–13.0 | 0.5512–0.5118 | – | • |

Included in the ER sets are all marked collets within that size and the matching collet tray ZWT

*Approx. inch sizing

ER standard collets and ultraprecision collets ER-UP

| ER std. | ER-UP |
|------------|------------|
| DIN 6499-B | DIN 6499-B |
| ISO 15488 | ISO 15488 |

| Type | Part no. | | Clamping range | | Ø [inch] | Included in set |
|-----------|-------------|------------|----------------|----------------|----------|-----------------|
| | ER standard | ER-UP | [mm] | [decimal inch] | | |
| Ø 14.5 mm | 1125.14500 | 1125.14501 | 14.5–13.5 | 0.5709–0.5315 | 9/16"* | – |
| Ø 15.0 mm | 1125.15000 | 1125.15001 | 15.0–14.0 | 0.5906–0.5512 | – | • |
| Ø 15.5 mm | 1125.15500 | 1125.15501 | 15.5–14.5 | 0.6102–0.5709 | 19/32" | – |
| Ø 16.0 mm | 1125.16000 | 1125.16001 | 16.0–15.0 | 0.6299–0.5905 | 5/8"* | • |
| Ø 17.0 mm | 1125.17000 | 1125.17001 | 17.0–16.0 | 0.6693–0.6299 | 21/32" | – |

ER 25 [inch]

| | | | | | | |
|----------------|------------|------------|-------------|---------------|-------|---|
| INCH SET ER 25 | 1125.00002 | 1125.00003 | 2.16–15.88 | 0.085–0.625 | – | – |
| Ø 1/8" | 1125.03182 | 1125.03183 | 3.18–2.16 | 0.125–0.085 | 1/8" | • |
| Ø 3/16" | 1125.04762 | 1125.04763 | 4.76–3.75 | 0.1875–0.1475 | 3/16" | • |
| Ø 1/4" | 1125.06352 | 1125.06353 | 6.35–5.33 | 0.25–0.21 | 1/4" | • |
| Ø 5/16" | 1125.07942 | 1125.07943 | 7.94–6.92 | 0.3125–0.2725 | 5/16" | • |
| Ø 3/8" | 1125.09532 | 1125.09533 | 9.53–8.51 | 0.375–0.335 | 3/8" | • |
| Ø 7/16" | 1125.11112 | 1125.11113 | 11.11–10.11 | 0.4375–0.3975 | 7/16" | • |
| Ø 1/2" | 1125.12702 | 1125.12703 | 12.70–11.68 | 0.5–0.46 | 1/2" | • |
| Ø 9/16" | 1125.14292 | 1125.14293 | 14.29–13.27 | 0.5625–0.5225 | 9/16" | • |
| Ø 5/8" | 1125.15882 | 1125.15883 | 15.88–14.78 | 0.625–0.582 | 5/8" | • |

ER 32 [mm]

| | | | | | | |
|-----------|------------|------------|-----------|---------------|--------|---|
| SET ER 32 | 1132.00000 | 1132.00001 | 2.0–20.0 | 0.0787–0.7874 | – | – |
| Ø 2.0 mm | 1132.02000 | 1132.02001 | 2.0–1.0 | 0.0787–0.0394 | 1/16" | – |
| Ø 2.5 mm | 1132.02500 | 1132.02501 | 2.5–1.5 | 0.0984–0.0591 | 3/32" | – |
| Ø 3.0 mm | 1132.03000 | 1132.03001 | 3.0–2.0 | 0.1181–0.0787 | – | • |
| Ø 3.5 mm | 1132.03500 | 1132.03501 | 3.5–2.5 | 0.1378–0.0984 | 1/8"* | – |
| Ø 4.0 mm | 1132.04000 | 1132.04001 | 4.0–3.0 | 0.1575–0.1181 | 5/32" | • |
| Ø 4.5 mm | 1132.04500 | 1132.04501 | 4.5–3.5 | 0.1772–0.1378 | – | – |
| Ø 5.0 mm | 1132.05000 | 1132.05001 | 5.0–4.0 | 0.1969–0.1575 | 3/16"* | • |
| Ø 5.5 mm | 1132.05500 | 1132.05501 | 5.5–4.5 | 0.2165–0.1772 | – | – |
| Ø 6.0 mm | 1132.06000 | 1132.06001 | 6.0–5.0 | 0.2362–0.1969 | 7/32" | • |
| Ø 6.5 mm | 1132.06500 | 1132.06501 | 6.5–5.5 | 0.2559–0.2165 | 1/4"* | – |
| Ø 7.0 mm | 1132.07000 | 1132.07001 | 7.0–6.0 | 0.2756–0.2362 | – | • |
| Ø 7.5 mm | 1132.07500 | 1132.07501 | 7.5–6.5 | 0.2953–0.2559 | 9/32" | – |
| Ø 8.0 mm | 1132.08000 | 1132.08001 | 8.0–7.0 | 0.315–0.2756 | 5/16"* | • |
| Ø 8.5 mm | 1132.08500 | 1132.08501 | 8.5–7.5 | 0.3346–0.2953 | – | – |
| Ø 9.0 mm | 1132.09000 | 1132.09001 | 9.0–8.0 | 0.3543–0.315 | 11/32" | • |
| Ø 9.5 mm | 1132.09500 | 1132.09501 | 9.5–8.5 | 0.374–0.3346 | – | – |
| Ø 10.0 mm | 1132.10000 | 1132.10001 | 10.0–9.0 | 0.3937–0.3543 | 3/8"* | • |
| Ø 10.5 mm | 1132.10500 | 1132.10501 | 10.5–9.5 | 0.4134–0.374 | 13/32" | – |
| Ø 11.0 mm | 1132.11000 | 1132.11001 | 11.0–10.0 | 0.4331–0.3937 | – | • |

Included in the ER sets are all marked collets within that size and the matching collet tray ZWT

*Approx. inch sizing

For further technical information, please refer to page 295

ER standard collets and ultraprecision collets ER-UP

| ER std. | ER-UP |
|------------|------------|
| DIN 6499-B | DIN 6499-B |
| ISO 15488 | ISO 15488 |

| Type | Part no. | | Clamping range | | Ø [inch] | Included in set |
|-----------------------------|-------------|------------|----------------|----------------|----------|-----------------|
| | ER standard | ER-UP | [mm] | [decimal inch] | | |
| ER 32 [mm] continued | | | | | | |
| Ø 11.5 mm | 1132.11500 | 1132.11501 | 11.5–10.5 | 0.4528–0.4134 | 7/16"* | – |
| Ø 12.0 mm | 1132.12000 | 1132.12001 | 12.0–11.0 | 0.4724–0.4331 | 15/32" | • |
| Ø 12.5 mm | 1132.12500 | 1132.12501 | 12.5–11.5 | 0.4921–0.4528 | – | – |
| Ø 13.0 mm | 1132.13000 | 1132.13001 | 13.0–12.0 | 0.5118–0.4724 | 1/2"* | • |
| Ø 13.5 mm | 1132.13500 | 1132.13501 | 13.5–12.5 | 0.5315–0.4921 | 17/32" | – |
| Ø 14.0 mm | 1132.14000 | 1132.14001 | 14.0–13.0 | 0.5512–0.5118 | – | • |
| Ø 14.5 mm | 1132.14500 | 1132.14501 | 14.5–13.5 | 0.5709–0.5315 | 9/16"* | – |
| Ø 15.0 mm | 1132.15000 | 1132.15001 | 15.0–14.0 | 0.5906–0.5512 | – | • |
| Ø 15.5 mm | 1132.15500 | 1132.15501 | 15.5–14.5 | 0.6102–0.5709 | 19/32" | – |
| Ø 16.0 mm | 1132.16000 | 1132.16001 | 16.0–15.0 | 0.63299–0.5906 | 5/8"* | • |
| Ø 16.5 mm | 1132.16500 | 1132.16501 | 16.5–15.5 | 0.6496–0.6102 | – | – |
| Ø 17.0 mm | 1132.17000 | 1132.17001 | 17.0–16.0 | 0.6693–0.6299 | 21/32" | • |
| Ø 17.5 mm | 1132.17500 | 1132.17501 | 17.5–16.5 | 0.689–0.6496 | 11/16"* | – |
| Ø 18.0 mm | 1132.18000 | 1132.18001 | 18.0–17.0 | 0.7087–0.6693 | – | • |
| Ø 18.5 mm | 1132.18500 | 1132.18501 | 18.5–17.5 | 0.7283–0.689 | 23/32" | – |
| Ø 19.0 mm | 1132.19000 | 1132.19001 | 19.0–18.0 | 0.748–0.7078 | – | • |
| Ø 19.5 mm | 1132.19500 | 1132.19501 | 19.5–18.5 | 0.7677–0.7284 | 3/4"* | – |
| Ø 20.0 mm | 1132.20000 | 1132.20001 | 20.0–19.0 | 0.7874–0.748 | 25/32" | • |
| Ø 21.0 mm | 1132.21000 | 1132.21001 | 21.0–20.0 | 0.8268–0.7874 | 13/16"* | – |
| Ø 22.0 mm | 1132.22000 | 1132.22001 | 22.0–21.0 | 0.8661–0.8268 | – | – |

| ER 32 [inch] | | | | | | |
|---------------------|------------|------------|-------------|---------------|--------|---|
| INCH SET ER 32 | 1132.00002 | 1132.00003 | 2.16–20.64 | 0.085–0.8125 | – | – |
| Ø 1/8" | 1132.03182 | 1132.03183 | 3.18–2.16 | 0.125–0.085 | 1/8" | • |
| Ø 3/16" | 1132.04762 | 1132.04763 | 4.76–3.75 | 0.1875–0.1475 | 3/16" | • |
| Ø 1/4" | 1132.06352 | 1132.06353 | 6.35–5.33 | 0.25–0.21 | 1/4" | • |
| Ø 5/16" | 1132.07942 | 1132.07943 | 7.94–6.92 | 0.3125–0.2725 | 5/16" | • |
| Ø 3/8" | 1132.09532 | 1132.09533 | 9.53–8.51 | 0.375–0.335 | 3/8" | • |
| Ø 7/16" | 1132.11112 | 1132.11113 | 11.11–10.1 | 0.4375–0.3975 | 7/16" | • |
| Ø 1/2" | 1132.12702 | 1132.12703 | 12.7–11.68 | 0.5–0.46 | 1/2" | • |
| Ø 9/16" | 1132.14292 | 1132.14293 | 14.29–13.27 | 0.5625–0.5225 | 9/16" | • |
| Ø 5/8" | 1132.15882 | 1132.15883 | 15.88–14.86 | 0.625–0.585 | 5/8" | • |
| Ø 11/16" | 1132.17462 | 1132.17463 | 17.46–16.45 | 0.6875–0.6475 | 11/16" | • |
| Ø 3/4" | 1132.19052 | 1132.19053 | 19.05–18.03 | 0.75–0.71 | 3/4" | • |
| Ø 13/16" | 1132.20642 | 1132.20643 | 20.64–19.62 | 0.8125–0.7725 | 13/16" | • |

Included in the ER sets are all marked collets within that size and the matching collet tray ZWT

*Approx. inch sizing

ER standard collets and ultraprecision collets ER-UP

| ER std. | ER-UP |
|------------|------------|
| DIN 6499-B | DIN 6499-B |
| ISO 15488 | ISO 15488 |

| Type | Part no. | | Clamping range | | Ø [inch] | Included in set |
|-------------------|-------------|------------|----------------|----------------|----------|-----------------|
| | ER standard | ER-UP | [mm] | [decimal inch] | | |
| ER 40 [mm] | | | | | | |
| SET ER 40 | 1140.00000 | 1140.00001 | 3.0–26.0 | 0.1181–1.0236 | – | – |
| Ø 3.0 mm | 1140.03000 | 1140.03001 | 3.0–2.0 | 0.1181–0.0787 | 3/32" | – |
| Ø 3.5 mm | 1140.03500 | 1140.03501 | 3.5–2.5 | 0.1378–0.0984 | 1/8"* | – |
| Ø 4.0 mm | 1140.04000 | 1140.04001 | 4.0–3.0 | 0.1575–0.1181 | 5/32" | • |
| Ø 4.5 mm | 1140.04500 | 1140.04501 | 4.5–3.5 | 0.1772–0.1378 | – | – |
| Ø 5.0 mm | 1140.05000 | 1140.05001 | 5.0–4.0 | 0.1969–0.1575 | 3/16"* | • |
| Ø 5.5 mm | 1140.05500 | 1140.05501 | 5.5–4.5 | 0.2165–0.1772 | – | – |
| Ø 6.0 mm | 1140.06000 | 1140.06001 | 6.0–5.0 | 0.2362–0.1969 | 7/32" | • |
| Ø 6.5 mm | 1140.06500 | 1140.06501 | 6.5–5.5 | 0.2559–0.2165 | 1/4"* | – |
| Ø 7.0 mm | 1140.07000 | 1140.07001 | 7.0–6.0 | 0.2756–0.2362 | – | • |
| Ø 7.5 mm | 1140.07500 | 1140.07501 | 7.5–6.5 | 0.2953–0.2559 | 9/32" | – |
| Ø 8.0 mm | 1140.08000 | 1140.08001 | 8.0–7.0 | 0.315–0.2756 | 5/16"* | • |
| Ø 8.5 mm | 1140.08500 | 1140.08501 | 8.5–7.5 | 0.3346–0.2953 | – | – |
| Ø 9.0 mm | 1140.09000 | 1140.09001 | 9.0–8.0 | 0.3543–0.315 | – | • |
| Ø 9.5 mm | 1140.09500 | 1140.09501 | 9.5–8.5 | 0.374–0.3346 | 11/32" | – |
| Ø 10.0 mm | 1140.10000 | 1140.10001 | 10.0–9.0 | 0.3937–0.3543 | 3/8"* | • |
| Ø 10.5 mm | 1140.10500 | 1140.10501 | 10.5–9.5 | 0.4134–0.374 | 13/32" | – |
| Ø 11.0 mm | 1140.11000 | 1140.11001 | 11.0–10.0 | 0.4331–0.3937 | – | • |
| Ø 11.5 mm | 1140.11500 | 1140.11501 | 11.5–10.5 | 0.4528–0.4134 | 7/16"* | – |
| Ø 12.0 mm | 1140.12000 | 1140.12001 | 12.0–11.0 | 0.4724–0.4331 | 15/32" | • |
| Ø 12.5 mm | 1140.12500 | 1140.12501 | 12.5–11.5 | 0.4921–0.4528 | – | – |
| Ø 13.0 mm | 1140.13000 | 1140.13001 | 13.0–12.0 | 0.5118–0.4724 | 1/2"* | • |
| Ø 13.5 mm | 1140.13500 | 1140.13501 | 13.5–12.5 | 0.5315–0.4921 | 17/32" | – |
| Ø 14.0 mm | 1140.14000 | 1140.14001 | 14.0–13.0 | 0.5512–0.5118 | – | • |
| Ø 14.5 mm | 1140.14500 | 1140.14501 | 14.5–13.5 | 0.5709–0.5315 | 9/16"* | – |
| Ø 15.0 mm | 1140.15000 | 1140.15001 | 15.0–14.0 | 0.5906–0.5512 | – | • |
| Ø 15.5 mm | 1140.15500 | 1140.15501 | 15.5–14.5 | 0.6102–0.5709 | 19/32" | – |
| Ø 16.0 mm | 1140.16000 | 1140.16001 | 16.0–15.0 | 0.6299–0.5906 | 5/8"* | • |
| Ø 16.5 mm | 1140.16500 | 1140.16501 | 16.5–15.5 | 0.6496–0.6102 | – | – |
| Ø 17.0 mm | 1140.17000 | 1140.17001 | 17.0–16.0 | 0.6693–0.6299 | 21/32" | • |
| Ø 17.5 mm | 1140.17500 | 1140.17501 | 17.5–16.5 | 0.689–0.6496 | 11/16"* | – |
| Ø 18.0 mm | 1140.18000 | 1140.18001 | 18.0–17.0 | 0.7078–0.6693 | – | • |
| Ø 18.5 mm | 1140.18500 | 1140.18501 | 18.5–17.5 | 0.7283–0.689 | 23/32" | – |
| Ø 19.0 mm | 1140.19000 | 1140.19001 | 19.0–18.0 | 0.748–0.7078 | – | • |
| Ø 19.5 mm | 1140.19500 | 1140.19501 | 19.5–18.5 | 0.7677–0.7283 | 3/4"* | – |
| Ø 20.0 mm | 1140.20000 | 1140.20001 | 20.0–19.0 | 0.7874–0.748 | 25/32" | • |
| Ø 20.5 mm | 1140.20500 | 1140.20501 | 20.5–19.5 | 0.8071–0.7677 | – | – |
| Ø 21.0 mm | 1140.21000 | 1140.21001 | 21.0–20.0 | 0.8268–0.7874 | 13/16"* | • |

Included in the ER sets are all marked collets within that size and the matching collet tray ZWT

*Approx. inch sizing

For further technical information, please refer to page 295

ER standard collets and ultraprecision collets ER-UP

| ER std. | ER-UP |
|------------|------------|
| DIN 6499-B | DIN 6499-B |
| ISO 15488 | ISO 15488 |

| Type | Part no. | | Clamping range | | Ø [inch] | Included in set |
|-----------------------------|-------------|------------|----------------|----------------|----------|-----------------|
| | ER standard | ER-UP | [mm] | [decimal inch] | | |
| ER 40 [mm] continued | | | | | | |
| Ø 21.5 mm | 1140.21500 | 1140.21501 | 21.5–20.5 | 0.8465–0.8071 | 27/32" | – |
| Ø 22.0 mm | 1140.22000 | 1140.22001 | 22.0–21.0 | 0.8661–0.8268 | – | • |
| Ø 22.5 mm | 1140.22500 | 1140.22501 | 22.5–21.5 | 0.8858–0.8465 | 7/8"* | – |
| Ø 23.0 mm | 1140.23000 | 1140.23001 | 23.0–22.0 | 0.9055–0.8661 | – | • |
| Ø 23.5 mm | 1140.23500 | 1140.23501 | 23.5–22.5 | 0.9252–0.8858 | 29/32" | – |
| Ø 24.0 mm | 1140.24000 | 1140.24001 | 24.0–23.0 | 0.9449–0.9055 | 15/16" | • |
| Ø 24.5 mm | 1140.24500 | 1140.24501 | 24.5–23.5 | 0.9646–0.9252 | – | – |
| Ø 25.0 mm | 1140.25000 | 1140.25001 | 25.0–24.0 | 0.9843–0.9449 | 31/32" | • |
| Ø 25.5 mm | 1140.25500 | 1140.25501 | 25.5–24.5 | 1.0039–0.9646 | 1"* | – |
| Ø 26.0 mm | 1140.26000 | 1140.26001 | 26.0–25.0 | 1.0236–0.9843 | – | • |
| Ø 27.0 mm | 1140.27000 | 1140.27001 | 27.0–26.0 | 1.063–1.0236 | 1 1/16" | – |
| Ø 28.0 mm | 1140.28000 | 1140.28001 | 28.0–27.0 | 1.1024–1.063 | 1 3/32" | – |
| Ø 29.0 mm | 1140.29000 | 1140.29001 | 29.0–28.0 | 1.1417–1.1024 | 1 1/8" | – |
| Ø 30.0 mm | 1140.30000 | 1140.30001 | 30.0–29.0 | 1.1811–1.1417 | 1 5/32" | – |

| ER 40 [inch] | | | | | | |
|---------------------|------------|------------|-------------|---------------|--------|---|
| INCH SET ER 40 | 1140.00002 | 1140.00003 | 2.16–25.4 | 0.085–1.0 | – | – |
| Ø 1/8" | 1140.03182 | 1140.03183 | 3.18–2.16 | 0.125–0.085 | 1/8" | • |
| Ø 3/16" | 1140.04762 | 1140.04763 | 4.76–3.75 | 0.1875–0.1475 | 3/16" | • |
| Ø 1/4" | 1140.06352 | 1140.06353 | 6.35–5.33 | 0.25–0.21 | 1/4" | • |
| Ø 5/16" | 1140.07942 | 1140.07943 | 7.94–6.92 | 0.3125–0.2725 | 5/16" | • |
| Ø 3/8" | 1140.09532 | 1140.09533 | 9.53–8.51 | 0.375–0.335 | 3/8" | • |
| Ø 7/16" | 1140.11112 | 1140.11113 | 11.11–10.1 | 0.4375–0.3975 | 7/16" | • |
| Ø 1/2" | 1140.12702 | 1140.12703 | 12.70–11.68 | 0.5–0.46 | 1/2" | • |
| Ø 9/16" | 1140.14292 | 1140.14293 | 14.29–13.27 | 0.5625–0.5225 | 9/16" | • |
| Ø 5/8" | 1140.15882 | 1140.15883 | 15.88–14.86 | 0.625–0.585 | 5/8" | • |
| Ø 11/16" | 1140.17462 | 1140.17463 | 17.46–16.45 | 0.6875–0.6475 | 11/16" | • |
| Ø 3/4" | 1140.19052 | 1140.19053 | 19.05–18.03 | 0.75–0.71 | 3/4" | • |
| Ø 13/16" | 1140.20642 | 1140.20643 | 20.64–19.62 | 0.8125–0.7725 | 13/16" | • |
| Ø 7/8" | 1140.22232 | 1140.22233 | 22.23–21.21 | 0.875–0.835 | 7/8" | • |
| Ø 1" | 1140.25402 | 1140.25403 | 25.40–24.38 | 1.0–0.96 | 1" | • |

Included in the ER sets are all marked collets within that size and the matching collet tray ZWT

*Approx. inch sizing

ER standard collets and ultraprecision collets ER-UP

| ER std. | ER-UP |
|------------|------------|
| DIN 6499-B | DIN 6499-B |
| ISO 15488 | ISO 15488 |

| Type | Part no. | | Clamping range | | Ø [inch] | Included in set |
|-------------------|-------------|------------|----------------|----------------|----------|-----------------|
| | ER standard | ER-UP | [mm] | [decimal inch] | | |
| ER 50 [mm] | | | | | | |
| SET ER 50 | 1150.00000 | 1150.00001 | 10.0–34.0 | 0.2362–1.3386 | – | – |
| Ø 6.0 mm | 1150.06000 | 1150.06001 | 6.0–4.0 | 0.2362–0.1575 | 3/16" | – |
| Ø 8.0 mm | 1150.08000 | 1150.08001 | 8.0–6.0 | 0.315–0.2362 | 1/4" | – |
| Ø 10.0 mm | 1150.10000 | 1150.10001 | 10.0–8.0 | 0.3937–0.315 | 3/8" | – |
| Ø 12.0 mm | 1150.12000 | 1150.12001 | 12.0–10.0 | 0.4724–0.3937 | 7/16" | • |
| Ø 14.0 mm | 1150.14000 | 1150.14001 | 14.0–12.0 | 0.5512–0.4724 | 1/2" | • |
| Ø 16.0 mm | 1150.16000 | 1150.16001 | 16.0–14.0 | 0.63–0.5512 | 5/8" | • |
| Ø 18.0 mm | 1150.18000 | 1150.18001 | 18.0–16.0 | 0.7087–0.6299 | 11/16" | • |
| Ø 20.0 mm | 1150.20000 | 1150.20001 | 20.0–18.0 | 0.7874–0.7087 | 3/4" | • |
| Ø 22.0 mm | 1150.22000 | 1150.22001 | 22.0–20.0 | 0.8661–0.7874 | 13/16" | • |
| Ø 24.0 mm | 1150.24000 | 1150.24001 | 24.0–22.0 | 0.9449–0.8661 | 7/8" | • |
| Ø 25.0 mm | 1150.25000 | 1150.25001 | 25.0–23.0 | 0.9843–0.9055 | 31/32" | – |
| Ø 26.0 mm | 1150.26000 | 1150.26001 | 26.0–24.0 | 1.0236–0.9449 | 1" | • |
| Ø 28.0 mm | 1150.28000 | 1150.28001 | 28.0–26.0 | 1.1024–1.0236 | 1 1/16" | • |
| Ø 30.0 mm | 1150.30000 | 1150.30001 | 30.0–28.0 | 1.1811–1.1024 | 1 1/8" | • |
| Ø 32.0 mm | 1150.32000 | 1150.32001 | 32.0–30.0 | 1.2598–1.1811 | 1 1/4" | • |
| Ø 34.0 mm | 1150.34000 | 1150.34001 | 34.0–32.0 | 1.3386–1.2598 | 1 5/16" | • |
| Ø 36.0 mm | 1150.36000 | 1150.36001 | 36.0–34.0 | 1.4173–1.3386 | 1 3/8" | – |

Included in the ER sets are all marked collets within that size and the matching collet tray ZWT

*Approx. inch sizing

For further technical information, please refer to page 295



ER standard and ER-UP

| Type | Part no. | Clamping range | | Ø [inch] | Included in set |
|------------------------|------------|----------------|----------------|----------|-----------------|
| | | [mm] | [decimal inch] | | |
| ER 11-DM [mm] | | | | | |
| Ø 3.0 mm | 1211.03000 | 3.0–2.75 | 0.1181–0.1083 | – | – |
| Ø 4.0 mm | 1211.04000 | 4.0–3.75 | 0.1575–0.1476 | – | – |
| Ø 5.0 mm | 1211.05000 | 5.0–4.75 | 0.1969–0.187 | – | – |
| Ø 6.0 mm | 1211.06000 | 6.0–5.75 | 0.2362–0.2264 | – | – |
| Ø 7.0 mm | 1211.07000 | 7.0–6.75 | 0.2756–0.2657 | – | – |
| ER 11-DM [inch] | | | | | |
| Ø 1/8" | 1211.03182 | 3.18–2.93 | 0.125–0.1154 | 1/8" | – |
| Ø 3/16" | 1211.04762 | 4.76–4.51 | 0.1875–0.1776 | 3/16" | – |
| Ø 7/32" | 1211.05562 | 5.56–5.31 | 0.2188–0.2091 | 7/32" | – |
| Ø 1/4" | 1211.06352 | 6.35–6.1 | 0.25–0.2402 | 1/4" | – |
| ER 16-DM [mm] | | | | | |
| SET ER 16-DM | 1216.00000 | 3.0–10.0 | 0.1181–0.3937 | – | – |
| Ø 3.0 mm | 1216.03000 | 3.0 h9 | 0.1181 h9 | – | • |
| Ø 4.0 mm | 1216.04000 | 4.0 h9 | 0.1575 h9 | – | • |
| Ø 5.0 mm | 1216.05000 | 5.0–4.5 | 0.1969–0.1772 | – | • |
| Ø 6.0 mm | 1216.06000 | 6.0–5.5 | 0.2362–0.2165 | – | • |
| Ø 7.0 mm | 1216.07000 | 7.0–6.5 | 0.2756–0.2559 | – | • |
| Ø 8.0 mm | 1216.08000 | 8.0–7.5 | 0.315–0.2953 | – | • |
| Ø 9.0 mm | 1216.09000 | 9.0–8.5 | 0.3543–0.3346 | – | • |
| Ø 10.0 mm | 1216.10000 | 10.0–9.5 | 0.3937–0.374 | – | • |

For further technical information, please refer to page 295



Expert advice

Please note that the ER-DM collets are not suitable for use with reCool®.

| Type | Part no. | Clamping range | | | Ø [inch] | Included in set |
|------------------------|------------|----------------|----------------|--------|----------|-----------------|
| | | [mm] | [decimal inch] | | | |
| ER 16-DM [inch] | | | | | | |
| INCH SET ER 16-DM | 1216.00002 | 3.18–10.32 | 0.125–0.4063 | – | – | |
| Ø 1/8" | 1216.03182 | 3.18 h9 | 0.125 h9 | 1/8" | • | |
| Ø 5/32" | 1216.03972 | 3.97 h9 | 0.1563 h9 | 5/32" | – | |
| Ø 3/16" | 1216.04762 | 4.76 h9 | 0.1875 h9 | 3/16" | • | |
| Ø 7/32" | 1216.05562 | 5.56–5.06 | 0.2188–0.1991 | 7/32" | – | |
| Ø 1/4" | 1216.06352 | 6.35–5.85 | 0.25–0.2303 | 1/4" | • | |
| Ø 9/32" | 1216.07142 | 7.14–6.64 | 0.2813–0.2616 | 9/32" | – | |
| Ø 5/16" | 1216.07942 | 7.94–7.44 | 0.3125–0.2928 | 5/16" | • | |
| Ø 11/32" | 1216.08732 | 8.73–8.23 | 0.3438–0.3241 | 11/32" | – | |
| Ø 3/8" | 1216.09532 | 9.53–9.02 | 0.375–0.3553 | 3/8" | • | |
| Ø 13/32" | 1216.10322 | 10.32–9.82 | 0.4063–0.3866 | 13/32" | – | |
| ER 20-DM [mm] | | | | | | |
| SET ER 20-DM | 1220.00000 | 3.0–13.0 | 0.1181–0.5118 | – | – | |
| Ø 3.0 mm | 1220.03000 | 3.0 h9 | 0.1181 h9 | – | • | |
| Ø 4.0 mm | 1220.04000 | 4.0 h9 | 0.1575 h9 | – | • | |
| Ø 5.0 mm | 1220.05000 | 5.0 h9 | 0.1969 h9 | – | • | |
| Ø 6.0 mm | 1220.06000 | 6.0 h9 | 0.2362 h9 | – | • | |
| Ø 7.0 mm | 1220.07000 | 7.0–6.5 | 0.2756–0.2559 | – | • | |
| Ø 8.0 mm | 1220.08000 | 8.0–7.5 | 0.315–0.2953 | – | • | |
| Ø 9.0 mm | 1220.09000 | 9.0–8.5 | 0.3543–0.3346 | – | • | |
| Ø 10.0 mm | 1220.10000 | 10.0–9.5 | 0.3937–0.374 | – | • | |
| Ø 11.0 mm | 1220.11000 | 11.0–10.5 | 0.4331–0.4134 | – | • | |
| Ø 12.0 mm | 1220.12000 | 12.0–11.5 | 0.4724–0.4528 | – | • | |
| Ø 13.0 mm | 1220.13000 | 13.0–12.5 | 0.5118–0.4921 | – | • | |
| ER 20-DM [inch] | | | | | | |
| INCH SET ER 20-DM | 1220.00002 | 3.18–12.7 | 0.125–0.5 | – | – | |
| Ø 1/8" | 1220.03182 | 3.18 h9 | 0.125 h9 | 1/8" | • | |
| Ø 5/32" | 1220.03972 | 3.97 h9 | 0.1563 h9 | 5/32" | – | |
| Ø 3/16" | 1220.04762 | 4.76 h9 | 0.1875 h9 | 3/16" | • | |
| Ø 7/32" | 1220.05562 | 5.56 h9 | 0.2188 h9 | 7/32" | – | |
| Ø 1/4" | 1220.06352 | 6.35 h9 | 0.25 h9 | 1/4" | • | |
| Ø 9/32" | 1220.07142 | 7.14–6.64 | 0.2813–0.2616 | 9/32" | – | |
| Ø 5/16" | 1220.07942 | 7.94–7.44 | 0.3125–0.2928 | 5/16" | • | |
| Ø 11/32" | 1220.08732 | 8.73–8.23 | 0.3438–0.3241 | 11/32" | – | |
| Ø 3/8" | 1220.09532 | 9.53–9.02 | 0.375–0.3553 | 3/8" | • | |
| Ø 13/32" | 1220.10322 | 10.32–9.82 | 0.4063–0.3866 | 13/32" | – | |
| Ø 7/16" | 1220.11112 | 11.11–10.61 | 0.4375–0.4178 | 7/16" | • | |
| Ø 15/32" | 1220.11912 | 11.91–11.41 | 0.4687–0.4491 | 15/32" | – | |
| Ø 1/2" | 1220.12702 | 12.7–12.2 | 0.5–0.4803 | 1/2" | • | |

| Type | Part no. | Clamping range | | Ø [inch] | Included in set |
|------------------------|------------|----------------|----------------|----------|-----------------|
| | | [mm] | [decimal inch] | | |
| ER 25-DM [mm] | | | | | |
| SET ER 25-DM | 1225.00000 | 6.0–16.0 | 0.2362–0.6299 | – | – |
| Ø 6.0 mm | 1225.06000 | 6.0 h9 | 0.2362 h9 | – | • |
| Ø 7.0 mm | 1225.07000 | 7.0 h9 | 0.2756 h9 | – | – |
| Ø 8.0 mm | 1225.08000 | 8.0–7.5 | 0.315–0.2953 | – | • |
| Ø 9.0 mm | 1225.09000 | 9.0–8.5 | 0.3543–0.3347 | – | – |
| Ø 10.0 mm | 1225.10000 | 10.0–9.5 | 0.3937–0.374 | – | • |
| Ø 11.0 mm | 1225.11000 | 11.0–10.5 | 0.4331–0.4134 | – | – |
| Ø 12.0 mm | 1225.12000 | 12.0–11.5 | 0.4724–0.4528 | – | • |
| Ø 13.0 mm | 1225.13000 | 13.0–12.5 | 0.5118–0.4921 | – | – |
| Ø 14.0 mm | 1225.14000 | 14.0–13.5 | 0.5512–0.5315 | – | • |
| Ø 15.0 mm | 1225.15000 | 15.0–14.5 | 0.5906–0.5709 | – | – |
| Ø 16.0 mm | 1225.16000 | 16.0–15.5 | 0.6299–0.6102 | – | • |
| ER 25-DM [inch] | | | | | |
| INCH SET ER 25-DM | 1225.00002 | 6.35–15.88 | 0.25–0.625 | – | – |
| Ø 7/32" | 1225.05562 | 5.56 h9 | 0.2188 h9 | 7/32" | – |
| Ø 1/4" | 1225.06352 | 6.35 h9 | 0.2500 h9 | 1/4" | • |
| Ø 9/32" | 1225.07142 | 7.14 h9 | 0.2813 h9 | 9/32" | – |
| Ø 5/16" | 1225.07942 | 7.94–7.44 | 0.3125–0.2928 | 5/16" | • |
| Ø 11/32" | 1225.08732 | 8.73–8.23 | 0.3438–0.3241 | 11/32" | – |
| Ø 3/8" | 1225.09532 | 9.53–9.02 | 0.375–0.3553 | 3/8" | • |
| Ø 13/32" | 1225.10322 | 10.32–9.82 | 0.4063–0.3866 | 13/32" | – |
| Ø 7/16" | 1225.11112 | 11.11–10.61 | 0.4375–0.4178 | 7/16" | • |
| Ø 15/32" | 1225.11912 | 11.91–11.41 | 0.4687–0.4491 | 15/32" | – |
| Ø 1/2" | 1225.12702 | 12.7–12.2 | 0.5–0.4803 | 1/2" | • |
| Ø 17/32" | 1225.13492 | 13.49–12.99 | 0.5313–0.5116 | 17/32" | – |
| Ø 9/16" | 1225.14292 | 14.29–13.79 | 0.5625–0.5428 | 9/16" | • |
| Ø 19/32" | 1225.15082 | 15.08–14.58 | 0.5934–0.5741 | 19/32" | – |
| Ø 5/8" | 1225.15882 | 15.88–15.38 | 0.625–0.6055 | 5/8" | • |
| ER 32-DM [mm] | | | | | |
| SET ER 32-DM | 1232.00000 | 6.0–20.0 | 0.2362–0.7874 | – | – |
| Ø 6.0 mm | 1232.06000 | 6.0 h9 | 0.2362 h9 | – | • |
| Ø 7.0 mm | 1232.07000 | 7.0 h9 | 0.2756 h9 | – | – |
| Ø 8.0 mm | 1232.08000 | 8.0–7.5 | 0.315–0.2953 | – | • |
| Ø 9.0 mm | 1232.09000 | 9.0–8.5 | 0.3543–0.3346 | – | – |
| Ø 10.0 mm | 1232.10000 | 10.0–9.5 | 0.3937–0.374 | – | • |
| Ø 11.0 mm | 1232.11000 | 11.0–10.5 | 0.4331–0.4134 | – | – |

| Type | Part no. | Clamping range | | Ø [inch] | Included in set |
|-----------|------------|----------------|----------------|----------|-----------------|
| | | [mm] | [decimal inch] | | |
| Ø 12.0 mm | 1232.12000 | 12.0–11.5 | 0.4724–0.4528 | – | • |
| Ø 13.0 mm | 1232.13000 | 13.0–12.5 | 0.5118–0.4921 | – | – |
| Ø 14.0 mm | 1232.14000 | 14.0–13.5 | 0.5512–0.5315 | – | • |
| Ø 15.0 mm | 1232.15000 | 15.0–14.5 | 0.5906–0.5709 | – | – |
| Ø 16.0 mm | 1232.16000 | 16.0–15.5 | 0.6299–0.6102 | – | • |
| Ø 17.0 mm | 1232.17000 | 17.0–16.5 | 0.6693–0.6496 | – | – |
| Ø 18.0 mm | 1232.18000 | 18.0–17.5 | 0.7087–0.689 | – | • |
| Ø 19.0 mm | 1232.19000 | 19.0–18.5 | 0.748–0.7283 | – | – |
| Ø 20.0 mm | 1232.20000 | 20.0–19.5 | 0.7874–0.7677 | – | • |

ER 32-DM [inch]

| | | | | | |
|-------------------|------------|-------------|---------------|--------|---|
| INCH SET ER 32-DM | 1232.00002 | 6.35–19.05 | 0.25–0.75 | – | – |
| Ø 1/4" | 1232.06352 | 6.35 h9 | 0.25 h9 | 1/4" | • |
| Ø 9/32" | 1232.07142 | 7.15 h9 | 0.2813 h9 | 9/32" | – |
| Ø 5/16" | 1232.07942 | 7.94–7.44 | 0.3125–0.2928 | 5/16" | • |
| Ø 11/32" | 1232.08732 | 8.73–8.23 | 0.3438–0.3241 | 11/32" | – |
| Ø 3/8" | 1232.09532 | 9.53–9.02 | 0.375–0.3553 | 3/8" | • |
| Ø 13/32" | 1232.10322 | 10.32–9.82 | 0.4063–0.3866 | 13/32" | – |
| Ø 7/16" | 1232.11112 | 11.11–10.61 | 0.4375–0.4178 | 7/16" | • |
| Ø 15/32" | 1232.11912 | 11.91–11.41 | 0.4687–0.4491 | 15/32" | – |
| Ø 1/2" | 1232.12702 | 12.7–12.2 | 0.5–0.4803 | 1/2" | • |
| Ø 17/32" | 1232.13492 | 13.5–12.99 | 0.5313–0.5116 | 17/32" | – |
| Ø 9/16" | 1232.14292 | 14.29–13.79 | 0.5625–0.5428 | 9/16" | • |
| Ø 19/32" | 1232.15082 | 15.07–14.58 | 0.5934–0.5741 | 19/32" | – |
| Ø 5/8" | 1232.15882 | 15.88–15.38 | 0.625–0.6055 | 5/8" | • |
| Ø 21/32" | 1232.16672 | 16.67–16.17 | 0.6563–0.6366 | 21/32" | – |
| Ø 11/16" | 1232.17462 | 17.46–16.96 | 0.6875–0.6678 | 11/16" | • |
| Ø 23/32" | 1232.18262 | 18.26–17.76 | 0.7188–0.6991 | 23/32" | – |
| Ø 3/4" | 1232.19052 | 19.05–18.55 | 0.75–0.7303 | 3/4" | • |

ER 40-DM [mm]

| | | | | | |
|-----------|------------|-----------|---------------|---|---|
| Ø 6.0 mm | 1240.06000 | 6.0 h9 | 0.2362 h9 | – | – |
| Ø 8.0 mm | 1240.08000 | 8.0 h9 | 0.3150 h9 | – | – |
| Ø 10.0 mm | 1240.10000 | 10.0–9.5 | 0.3937–0.374 | – | – |
| Ø 11.0 mm | 1240.11000 | 11.0–10.5 | 0.4331–0.4134 | – | – |
| Ø 12.0 mm | 1240.12000 | 12.0–11.5 | 0.4724–0.4528 | – | – |
| Ø 13.0 mm | 1240.13000 | 13.0–12.5 | 0.5118–0.4921 | – | – |
| Ø 14.0 mm | 1240.14000 | 14.0–13.5 | 0.5512–0.5315 | – | – |
| Ø 15.0 mm | 1240.15000 | 15.0–14.5 | 0.5906–0.5709 | – | – |

For further technical information, please refer to page 295

| Type | Part no. | Clamping range | | Ø [inch] | Included in set |
|--------------------------------|------------|----------------|----------------|----------|-----------------|
| | | [mm] | [decimal inch] | | |
| ER 40-DM [mm] continued | | | | | |
| Ø 16.0 mm | 1240.16000 | 16.0–15.5 | 0.6299–0.6102 | – | – |
| Ø 17.0 mm | 1240.17000 | 17.0–16.5 | 0.6693–0.6496 | – | – |
| Ø 18.0 mm | 1240.18000 | 18.0–17.5 | 0.7087–0.689 | – | – |
| Ø 19.0 mm | 1240.19000 | 19.0–18.5 | 0.748–0.7283 | – | – |
| Ø 20.0 mm | 1240.20000 | 20.0–19.5 | 0.7874–0.7677 | – | – |
| Ø 21.0 mm | 1240.21000 | 21.0–20.5 | 0.8268–0.8071 | – | – |
| Ø 22.0 mm | 1240.22000 | 22.0–21.5 | 0.8661–0.8465 | – | – |
| Ø 23.0 mm | 1240.23000 | 23.0–22.5 | 0.9055–0.8858 | – | – |
| Ø 24.0 mm | 1240.24000 | 24.0–23.5 | 0.9449–0.9252 | – | – |
| Ø 25.0 mm | 1240.25000 | 25.0–24.5 | 0.9843–0.9646 | – | – |
| Ø 26.0 mm | 1240.26000 | 26.0–25.5 | 1.0236–1.0039 | – | – |

| ER 40-DM [inch] | | | | | |
|------------------------|------------|-------------|---------------|--------|---|
| Ø 1/4" | 1240.06352 | 6.35 h9 | 0.25 h9 | 1/4" | – |
| Ø 5/16" | 1240.07942 | 7.94 h9 | 0.3125 h9 | 5/16" | – |
| Ø 3/8" | 1240.09532 | 9.53–9.02 | 0.375–0.3553 | 3/8" | – |
| Ø 7/16" | 1240.11112 | 11.11–10.61 | 0.4375–0.4178 | 7/16" | – |
| Ø 1/2" | 1240.12702 | 12.7–12.2 | 0.5–0.4803 | 1/2" | – |
| Ø 9/16" | 1240.14292 | 14.29–13.79 | 0.5625–0.5428 | 9/16" | – |
| Ø 5/8" | 1240.15882 | 15.88–15.38 | 0.62–0.6055 | 5/8" | – |
| Ø 11/16" | 1240.17462 | 17.46–16.96 | 0.6875–0.6678 | 11/16" | – |
| Ø 3/4" | 1240.19052 | 19.05–18.55 | 0.75–0.7303 | 3/4" | – |
| Ø 13/16" | 1240.20642 | 20.64–20.14 | 0.8123–0.7928 | 13/16" | – |
| Ø 7/8" | 1240.22232 | 22.23–21.72 | 0.875–0.8553 | 7/8" | – |
| Ø 1" | 1240.25402 | 25.4–24.9 | 1.0–0.9803 | 1" | – |

For further technical information, please refer to page 295.

Expert advice

Please note that DM collets are not compatible with Weldon or Whistle notch shafts. To achieve internal cooling with Weldon or Whistle notch shafts, use the REGO-FIX sealing disks ER/DS with your REGO-FIX ER collet.

secuRgrip® collets ER-SG

ER-SG

DIN 6499

ISO 15488

| Type | Part no. | [mm] | Ø [inch] |
|----------------------|------------|------|-------------|
| ER 32-SG [mm] | | | |
| Ø 10.0 mm | 1332.10004 | 10 | – |
| Ø 12.0 mm | 1332.12004 | 12 | – |
| Ø 16.0 mm | 1332.16004 | 16 | – |

| | | | |
|------------------------|------------|-------|------|
| ER 32-SG [inch] | | | |
| Ø 1/2" | 1332.12704 | 12.7 | 1/2" |
| Ø 5/8" | 1332.15884 | 15.88 | 5/8" |

| | | | |
|----------------------|------------|----|---|
| ER 40-SG [mm] | | | |
| Ø 16.0 mm | 1340.16004 | 16 | – |
| Ø 20.0 mm | 1340.20004 | 20 | – |
| Ø 25.0 mm | 1340.25004 | 25 | – |

| | | | |
|------------------------|------------|-------|------|
| ER 40-SG [inch] | | | |
| Ø 5/8" | 1340.15884 | 15.88 | 5/8" |
| Ø 3/4" | 1340.19054 | 19.05 | 3/4" |
| Ø 1" | 1340.25404 | 25.4 | 1" |

| | |
|---------------------------------|------------|
| Threaded insert SGI [mm] | |
| Ø 10.0 mm | 7694.10000 |
| Ø 12.0 mm | 7694.12000 |
| Ø 14.0 mm | 7694.14000 |
| Ø 16.0 mm | 7694.16000 |
| Ø 18.0 mm | 7694.18000 |
| Ø 20.0 mm | 7694.20000 |
| Ø 25.0 mm | 7694.25000 |

| | |
|-----------------------------------|------------|
| Threaded insert SGI [inch] | |
| Ø 1/2" | 7694.12700 |
| Ø 5/8" | 7694.15880 |
| Ø 3/4" | 7694.19050 |
| Ø 1" | 7694.25400 |

[Learn more](#)

For further information on secuRgrip®, please refer to page 277.



ER tapping collets ER-GB

Manufactured with a form-fitting internal square, the ER-GB collets successfully prevent the tap from slipping.

Tapping collets without axial compensation

Swiss quality

Made in Switzerland to ISO 9001 / ISO 14001.

Marking

Type and size (reduced collet selection errors).

Traceability

Lot number marking on all products for traceability through the entire manufacturing process.

Original REGO-FIX

Our long-lasting machining experience results in a well-engineered system. When buying REGO-FIX products pay attention to our quality seal: The triangle is our seal for outstanding quality made in Switzerland.

Interchangeable

With standard ER collet DIN 6499 / ISO 15488. No additional toolholders and clamping nuts necessary.

Wide product range

Sizes: ER-GB 11 to 50.
Standards: DIN, ISO, JIS, ANSI.

Strength: Square for tight grip of tap

Eliminates tap slippage in collets.

Matched tooling system for best fit

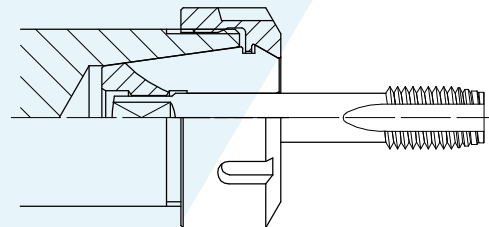
The compatibility of the entire system results in maximum precision, balance and tool life.

Tapping collets ER-GB These rigid tapping collets are compatible with taps per DIN, ISO, JIS and ANSI standards. The REGO-FIX ER-GB tapping collets are manufactured with an internal square. They are intended for use on CNC machines that have synchronized machine spindle speed and feed rate. Machines that have such rigid tapping capabilities require only minimal compensation. We recommend the use of our SSY Softsynchro® tapping holders. They compensate minimal synchronizing differences of CNC machines.

For machines without tapping option we recommend the use of our axial compensating GSF tapping holders. Please refer to page 116 for more information. For additional technical information and dimensions of taps on ER-GB, please refer to pages 299 and 336.



ER-GB

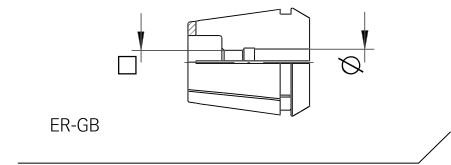


ER-GB

ER tapping collets

ER-GB

ER-GB [mm]

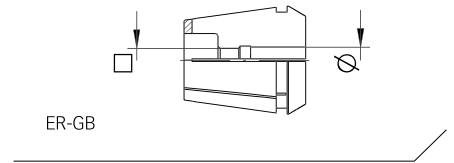


| Dimensions [mm] | | ER-GB | | | | | | | | |
|-----------------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------------|--|
| ∅ | □ | 11 | 16 | 20 | 25 | 32 | 40 | 50 | Standard | |
| 2.5 | 2.1/2.0 | 1411.02500 | - | - | - | - | - | - | DIN / ISO | |
| 2.8 | 2.1 | 1411.02800 | 1416.02800 | - | - | - | - | - | DIN | |
| 3.5 | 2.7 | 1411.03500 | 1416.03500 | 1420.03500 | - | - | - | - | DIN | |
| 4.0 | 3.0 | 1411.04000 | - | - | - | - | - | - | DIN | |
| 4.0 | 3.15/3.2 | 1411.04002 | 1416.04002 | 1420.04002 | 1425.04002 | 1432.04002 | - | - | ISO / JIS | |
| 4.5 | 3.4 | 1411.04500 | 1416.04500 | 1420.04500 | 1425.04500 | 1432.04500 | - | - | DIN | |
| 5.0 | 4.0 | 1411.05002 | 1416.05002 | 1420.05002 | 1425.05002 | 1432.05002 | - | - | ISO / JIS | |
| 5.5 | 4.3 | - | 1416.05500 | 1420.05500 | 1425.05500 | 1432.05500 | - | - | DIN | |
| 5.5 | 4.5 | - | 1416.05501 | 1420.05501 | 1425.05501 | 1432.05501 | - | - | JIS | |
| 6.0 | 4.5 | - | 1416.06001 | 1420.06001 | 1425.06001 | 1432.06001 | 1440.06001 | - | JIS | |
| 6.0 | 4.9 | 1411.06000 | 1416.06000 | 1420.06000 | 1425.06000 | 1432.06000 | 1440.06000 | - | DIN | |
| 6.2 | 5.0 | - | 1416.06201 | 1420.06201 | 1425.06201 | 1432.06201 | 1440.06201 | - | JIS | |
| 6.3 | 5.0 | - | 1416.06302 | 1420.06302 | 1425.06302 | 1432.06302 | 1440.06302 | - | ISO | |
| 7.0 | 5.5 | - | 1416.07000 | 1420.07000 | 1425.07000 | 1432.07000 | 1440.07000 | - | DIN / JIS | |
| 7.1 | 5.6 | - | 1416.07102 | 1420.07102 | 1425.07102 | 1432.07102 | 1440.07102 | - | ISO | |
| 8.0 | 6.2/6.3 | - | 1416.08000 | 1420.08000 | 1425.08000 | 1432.08000 | 1440.08000 | - | DIN / ISO | |
| 8.5 | 6.5 | - | 1416.08501 | 1420.08501 | 1425.08501 | 1432.08501 | 1440.08501 | - | JIS | |
| 9.0 | 7.0/7.1 | - | 1416.09000 | 1420.09000 | 1425.09000 | 1432.09000 | 1440.09000 | - | DIN / ISO | |
| 10.0 | 8.0 | - | - | 1420.10000 | 1425.10000 | 1432.10000 | 1440.10000 | - | DIN / ISO | |
| 10.5 | 8.0 | - | - | 1420.10501 | 1425.10501 | 1432.10501 | 1440.10501 | - | JIS | |
| 11.0 | 9.0 | - | - | 1420.11000 | 1425.11000 | 1432.11000 | 1440.11000 | - | DIN | |
| 11.2 | 9.0 | - | - | 1420.11202 | 1425.11202 | 1432.11202 | 1440.11202 | - | ISO | |
| 12.0 | 9.0 | - | - | 1420.12000 | 1425.12000 | 1432.12000 | 1440.12000 | - | DIN | |
| 12.5 | 10.0 | - | - | - | 1425.12502 | 1432.12502 | 1440.12502 | - | ISO / JIS | |
| 14.0 | 11.0/11.2 | - | - | - | 1425.14000 | 1432.14000 | 1440.14000 | - | DIN / ISO / JIS | |
| 15.0 | 12.0 | - | - | - | 1425.15001 | 1432.15001 | 1440.15001 | - | JIS | |
| 16.0 | 12.0/12.5 | - | - | - | 1425.16000 | 1432.16000 | 1440.16000 | - | DIN / ISO | |
| 17.0 | 13.0 | - | - | - | - | 1432.17001 | 1440.17001 | - | JIS | |
| 18.0 | 14.0/14.5 | - | - | - | - | 1432.18000 | 1440.18000 | - | DIN / ISO | |
| 20.0 | 16.0 | - | - | - | - | 1432.20000 | 1440.20000 | - | DIN / ISO | |
| 22.0 | 18.0 | - | - | - | - | - | 1440.22000 | 1450.22000 | DIN | |
| 25.0 | 20.0 | - | - | - | - | - | - | 1450.25000 | DIN | |
| 28.0 | 22.0 | - | - | - | - | - | - | 1450.28000 | DIN | |
| 32.0 | 24.0 | - | - | - | - | - | - | 1450.32000 | DIN | |

ER tapping collets

ER-GB

ER-GB [inch]

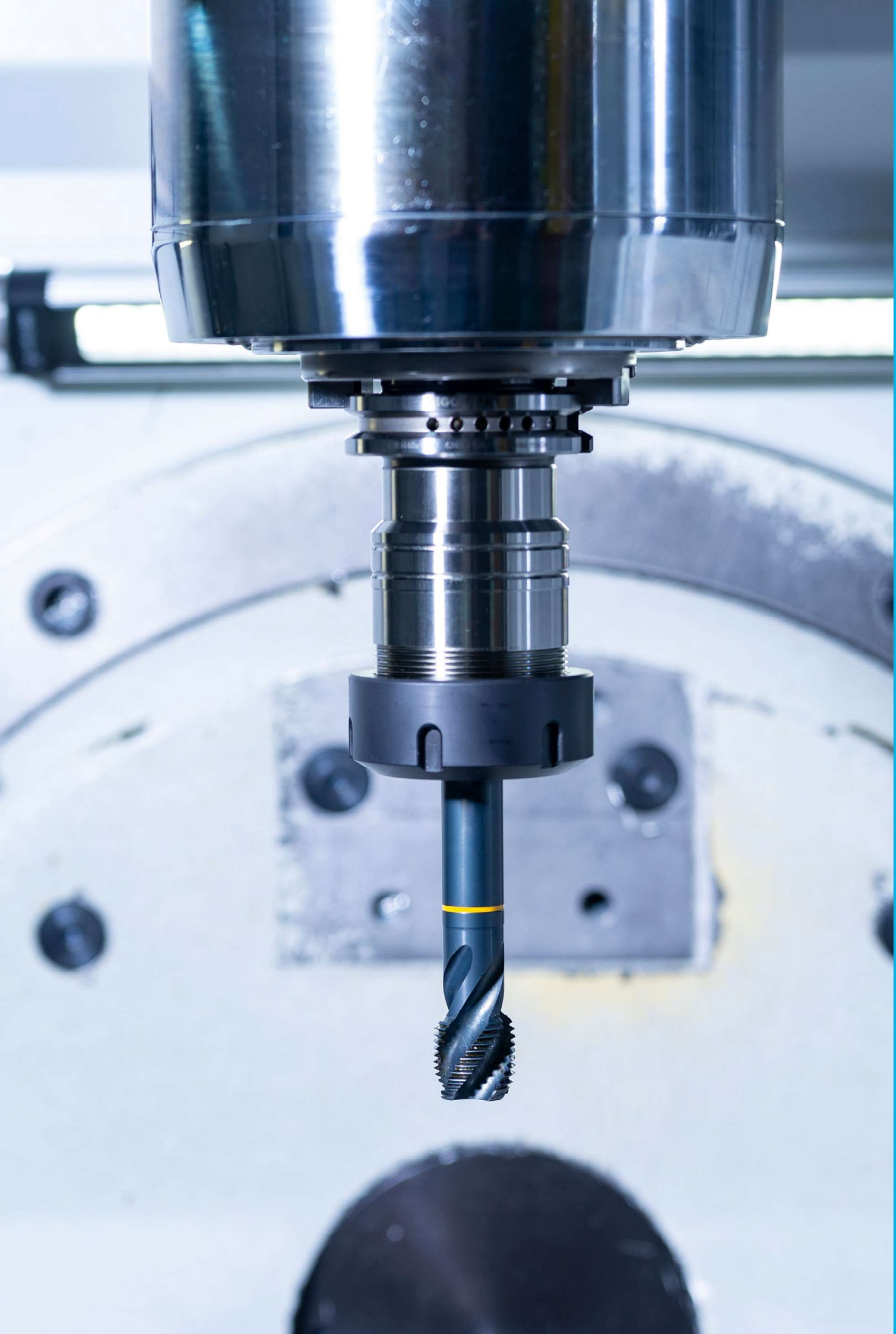


| Dimensions [decimal inch] | | ER-GB | | | | | | | | Standard |
|---------------------------|--------|------------|------------|------------|------------|------------|------------|------------|----------|----------|
| Ø | □ | 11 | 16 | 20 | 25 | 32 | 40 | 50 | | |
| 0.141" | 0.11" | 1411.03585 | 1416.03585 | - | - | - | - | - | ANSI | |
| 0.168" | 0.131" | 1411.04275 | 1416.04275 | 1420.04275 | 1425.04275 | 1432.04275 | - | - | ANSI | |
| 0.194" | 0.152" | 1411.04935 | 1416.04935 | 1420.04935 | 1425.04935 | 1432.04935 | - | - | ANSI | |
| 0.22" | 0.165" | - | 1416.05595 | 1420.05595 | 1425.05595 | 1432.05595 | - | - | ANSI | |
| 0.255" | 0.191" | - | 1416.06485 | 1420.06485 | 1425.06485 | 1432.06485 | 1440.06485 | - | ANSI | |
| 0.318" | 0.238" | - | 1416.08085 | 1420.08085 | 1425.08085 | 1432.08085 | 1440.08085 | - | ANSI | |
| 0.323" | 0.242" | - | - | 1420.08215 | 1425.08215 | 1432.08215 | 1440.08215 | - | ANSI | |
| 0.367" | 0.275" | - | - | 1420.09325 | 1425.09325 | 1432.09325 | 1440.09325 | - | ANSI | |
| 0.381" | 0.286" | - | - | 1420.09685 | 1425.09685 | 1432.09685 | 1440.09685 | - | ANSI | |
| 0.429" | 0.322" | - | - | - | 1425.10905 | 1432.10905 | 1440.10905 | - | ANSI | |
| 0.437" | 0.328" | - | - | - | 1425.11104 | 1432.11104 | 1440.11104 | - | ANSI/NPT | |
| 0.48" | 0.36" | - | - | - | 1425.12195 | 1432.12195 | 1440.12195 | - | ANSI | |
| 0.542" | 0.406" | - | - | - | - | 1432.13775 | 1440.13775 | - | ANSI | |
| 0.562" | 0.421" | - | - | - | - | 1432.14274 | 1440.14274 | - | ANSI/NPT | |
| 0.59" | 0.442" | - | - | - | 1425.14995 | 1432.14995 | 1440.14995 | - | ANSI | |
| 0.652" | 0.489" | - | - | - | - | 1432.16565 | 1440.16565 | - | ANSI | |
| 0.687" | 0.515" | - | - | - | - | - | 1440.17454 | - | ANSI/NPT | |
| 0.697" | 0.523" | - | - | - | - | - | 1440.17705 | - | ANSI | |
| 0.7" | 0.531" | - | - | - | - | - | 1440.17784 | - | ANSI/NPT | |
| 0.76" | 0.57" | - | - | - | - | - | 1440.19305 | - | ANSI | |
| 0.800" | 0.600" | - | - | - | - | - | 1440.20325 | 1450.20325 | ANSI | |
| 0.896" | 0.672" | - | - | - | - | - | - | 1450.22765 | ANSI | |
| 1.021" | 0.766" | - | - | - | - | - | - | 1450.25935 | ANSI | |
| 1.108" | 0.831" | - | - | - | - | - | - | 1450.28145 | ANSI | |
| 1.233" | 0.925" | - | - | - | - | - | - | 1450.31325 | ANSI | |

| Thread | Ø [inch] | □ |
|----------|----------|-------|
| No 0 – 6 | 0.141 | 0.110 |
| 1/16 | 0.141 | 0.110 |
| 3/32 | 0.141 | 0.110 |
| 1/8 | 0.141 | 0.110 |
| 5/32 | 0.168 | 0.131 |
| No 8 | 0.168 | 0.131 |
| 3/16 | 0.194 | 0.152 |
| No 9 | 0.194 | 0.152 |

| Thread | Ø [inch] | □ |
|--------|----------|-------|
| No 10 | 0.194 | 0.152 |
| 1/4 | 0.255 | 0.191 |
| 5/16 | 0.318 | 0.238 |
| 3/8 | 0.381 | 0.286 |
| 7/16 | 0.323 | 0.242 |
| 1/2 | 0.367 | 0.275 |
| 9/16 | 0.429 | 0.322 |

| Thread | Ø [inch] | □ |
|--------|----------|-------|
| 5/8 | 0.480 | 0.360 |
| 11/16 | 0.542 | 0.406 |
| 3/4 | 0.590 | 0.442 |
| 13/16 | 0.652 | 0.489 |
| 7/8 | 0.697 | 0.523 |
| 15/16 | 0.760 | 0.570 |
| 1 | 0.800 | 0.600 |



ER tapping collets PCM ET1

PCM ET1 tapping collets with axial compensation offer a smart and cost-effective toolholding option for machines which need axial compensation for tapping.

Tapping collets with axial compensation

Interchangeable

With REGO-FIX standard ER collet DIN 6499/ISO 15488.

Compatibility

PCM ET1-12 is compatible with ER11 toolholders.

Cost saving

No expensive tapping tools necessary.

Spring tension

Adapted to tap size.

Compact

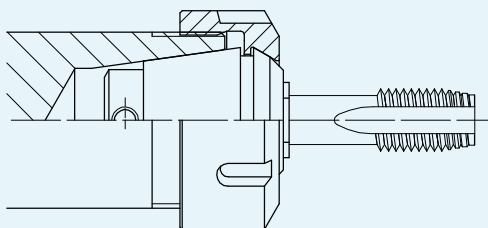
Very robust design with smallest space requirement.

Directions for use The following tapping process is recommended for tapping collets PCM ET1: Fast approach, then tapping feed with approximately 95% of the pitch value, which uses 20 to 30% of the compensation stroke when the spindle rotation and the feed movement are simultaneously reversed.

Return feed must be made with 100% of the pitch, which maintains the sleeve of the tapping collet in the compensation stroke up to the tap disengagement; quick return can then be programmed with usual stroke security. The relatively long axial compensation assists easy programming.

When tapping with very high speed, an appropriate programming compensation may be necessary to balance the differences of inertia between the spindle and the feed movement on reverse. In order to not disturb the axial compensation, use external coolant supply only.

Please refer to page 116 for additional information on REGO-FIX tapping holders. For additional technical information and dimensions of taps on PCM ET1, please refer to pages 300.



PCM ET1



PCM ET1

Expert advice

Not for coolant through tools and not for applications with sealing disks.

Expert advice

Further information about shaft diameters can be found on page 336.

ER tapping collets

PCM ET1

PCM ET1 [mm]

| Shank Ø [mm] | PCM ET1 | | | | | | Standard |
|-----------------|------------|------------|------------|------------|------------|------------|-------------|
| | 12 | 16 | 20 | 25 | 32 | 40 | |
| 1.4 | 1512.01400 | 1516.01400 | – | – | – | – | DIN/ISO |
| 1.6 | 1512.01600 | 1516.01600 | – | – | – | – | DIN |
| 1.8 | 1512.01800 | 1516.01800 | – | – | – | – | DIN |
| 2.0 | 1512.02000 | 1516.02000 | – | – | – | – | DIN |
| 2.2 | 1512.02200 | 1516.02200 | 1520.02200 | – | – | – | ISO/JIS |
| 2.24 | 1512.02240 | 1516.02240 | 1520.02240 | – | – | – | DIN |
| 2.5 | 1512.02500 | 1516.02500 | 1520.02500 | 1525.02500 | – | – | ISO/JIS |
| 2.8 | 1512.02800 | 1516.02800 | 1520.02800 | 1525.02800 | – | – | DIN |
| 3.0 | 1512.03000 | 1516.03000 | 1520.03000 | 1525.03000 | – | – | JIS |
| 3.15 | 1512.03150 | 1516.03150 | 1520.03150 | 1525.03150 | – | – | JIS |
| 3.5 | 1512.03500 | 1516.03500 | 1520.03500 | 1525.03500 | – | – | DIN |
| 3.55 | 1512.03550 | 1516.03550 | 1520.03550 | 1525.03550 | – | – | JIS |
| 4.0 | – | 1516.04000 | 1520.04000 | 1525.04000 | – | – | ISO |
| 4.5 | – | 1516.04500 | 1520.04500 | 1525.04500 | 1532.04500 | – | DIN/JIS |
| 5.0 | – | 1516.05000 | 1520.05000 | 1525.05000 | 1532.05000 | – | ISO |
| 5.5 | – | 1516.05500 | 1520.05500 | 1525.05500 | 1532.05500 | – | DIN/ISO |
| 5.6 | – | 1516.05600 | 1520.05600 | 1525.05600 | 1532.05600 | – | JIS |
| 6.0 | – | 1516.06000 | 1520.06000 | 1525.06000 | 1532.06000 | 1540.06000 | DIN/ISO |
| 6.2 | – | 1516.06200 | 1520.06200 | 1525.06200 | 1532.06200 | 1540.06200 | DIN/ISO |
| 6.3 | – | 1516.06300 | 1520.06300 | 1525.06300 | 1532.06300 | 1540.06300 | JIS |
| 7.0 | – | – | 1520.07000 | 1525.07000 | 1532.07000 | 1540.07000 | DIN |
| 7.1 | – | – | – | 1525.07100 | 1532.07100 | 1540.07100 | ISO |
| 8.0 | – | – | – | 1525.08000 | 1532.08000 | 1540.08000 | DIN |
| 8.5 | – | – | – | 1525.08500 | 1532.08500 | 1540.08500 | ISO/JIS |
| 9.0 | – | – | – | 1525.09000 | 1532.09000 | 1540.09000 | DIN/ISO/JIS |
| 10.0 | – | – | – | 1525.10000 | 1532.10000 | 1540.10000 | JIS |
| 10.5 | – | – | – | – | 1532.10500 | 1540.10500 | DIN/ISO |
| 11.0 | – | – | – | – | 1532.11000 | 1540.11000 | JIS |
| 11.2 | – | – | – | – | 1532.11200 | 1540.11200 | DIN/ISO |
| 12.0 | – | – | – | – | 1532.12000 | 1540.12000 | DIN/ISO |
| 12.5 | – | – | – | – | 1532.12500 | 1540.12500 | DIN |
| 14.0 | – | – | – | – | – | 1540.14000 | DIN |
| 15.0 | – | – | – | – | – | 1540.15000 | DIN |
| 16.0 | – | – | – | – | – | 1540.16000 | DIN |
| 17.0 | – | – | – | – | – | 1540.17000 | JIS |

PCM ET1-ER 12 is technically identical to ER 11 and fits all ER11 toolholders

ER tapping collets

PCM ET1

PCM ET1 [inch]

| Shank Ø | | PCM ET1 | | | | | |
|---------|--------|------------|------------|------------|------------|------------|------------|
| [inch] | [mm] | 12 | 16 | 20 | 25 | 32 | 40 |
| 0.141 | 3.580 | 1512.03581 | 1516.03581 | 1520.03581 | 1525.03581 | – | – |
| 0.168 | 4.270 | – | 1516.04271 | 1520.04271 | 1525.04271 | 1532.04721 | – |
| 0.194 | 4.930 | – | 1516.04931 | 1520.04931 | 1525.04931 | 1532.04931 | – |
| 0.220 | 5.590 | – | 1516.05591 | 1520.05591 | 1525.05591 | 1532.05591 | – |
| 0.255 | 6.480 | – | – | 1520.06481 | 1525.06481 | 1532.06481 | 1540.06481 |
| 0.318 | 8.080 | – | – | – | 1525.08081 | 1532.08081 | 1540.08081 |
| 0.323 | 8.205 | – | – | – | 1525.08211 | 1532.08211 | 1540.08211 |
| 0.367 | 9.320 | – | – | – | 1525.09321 | 1532.09321 | 1540.09321 |
| 0.381 | 9.680 | – | – | – | 1525.09681 | 1532.09681 | 1540.09681 |
| 0.429 | 10.900 | – | – | – | – | 1532.10901 | 1540.10901 |
| 0.437 | 11.113 | – | – | – | – | 1532.11111 | 1540.11111 |
| 0.480 | 12.192 | – | – | – | – | 1532.12191 | 1540.12191 |
| 0.542 | 13.770 | – | – | – | – | – | 1540.13771 |
| 0.562 | 14.290 | – | – | – | – | – | 1540.14291 |
| 0.590 | 14.990 | – | – | – | – | – | 1540.14991 |
| 0.652 | 16.560 | – | – | – | – | – | 1540.16561 |
| 0.697 | 17.700 | – | – | – | – | – | 1540.17701 |

PCM ET1-ER 12 is technically identical to ER 11 and fits all ER11 toolholders

| Thread | Ø [inch] | □ |
|----------|----------|-------|
| No 0 – 6 | 0.141 | 0.110 |
| 1/16 | 0.141 | 0.110 |
| 3/32 | 0.141 | 0.110 |
| 1/8 | 0.141 | 0.110 |
| 5/32 | 0.168 | 0.131 |
| No 8 | 0.168 | 0.131 |
| 3/16 | 0.194 | 0.152 |
| No 9 | 0.194 | 0.152 |

| Thread | Ø [inch] | □ |
|--------|----------|-------|
| No 10 | 0.194 | 0.152 |
| 1/4 | 0.255 | 0.191 |
| 5/16 | 0.318 | 0.238 |
| 3/8 | 0.381 | 0.286 |
| 7/16 | 0.323 | 0.242 |
| 1/2 | 0.367 | 0.275 |
| 9/16 | 0.429 | 0.322 |

| Thread | Ø [inch] | □ |
|--------|----------|-------|
| 5/8 | 0.480 | 0.360 |
| 11/16 | 0.542 | 0.406 |
| 3/4 | 0.590 | 0.442 |
| 13/16 | 0.652 | 0.489 |
| 7/8 | 0.697 | 0.523 |
| 15/16 | 0.760 | 0.570 |
| 1 | 0.800 | 0.600 |