



△ REGO-FIX®
Swiss Line
PHC25/ER20
2625.92003.17

ER_{SYSTEM}

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Swiss
Precision
Tools

ER

Floating Chucks

Features | Benefits

Swiss Quality

Made in Switzerland to ISO 9001/ISO 14001.

1 Marking

Type and part number.

2 Traceability

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

3 Original REGO-FIX®

Our extensive experience results in a well-engineered system. Original only with the REGO-FIX® quality seal \triangle . Guarantee for best quality.

Adjustable Floating Resistance

Continuously adjustable between auto-centering and free floating. No restriction of the floating movement.

Adjustment for Tool Weight

Optimal setup by adjustment of floating resistance.

Vertical and Horizontal Application

Adjustable self-centering keeps the tool at the center of the floating chuck, even in the horizontal position. Prevents chatter marks and extends tool life.

Combined Ball and Friction Bearing

Low load applications:

Ball bearing for easy floating.

High load applications:

Friction bearing to withstand the high pressure.

Double Sealing Against Dirt

Prevents coolant and chips from entering the floating chuck.

Excellent Bore Quality

Only parallel floatation of tool possible.



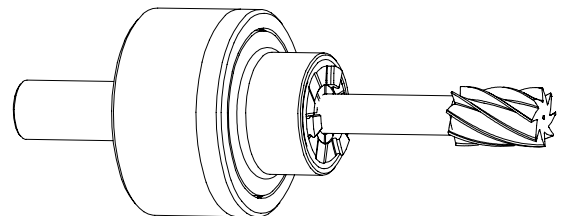
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Information

Floating Chuck PH/ER Standard

Applications

REGO-FIX® floating chucks are excellent tools for reaming and tapping. Their design is such that the tool is self-centering in the vertical and horizontal position. The float is always parallel to the rotational axis and the rotation is both clockwise and counter clockwise. The self-centering feature allows very precise positioning of the reaming or tapping tool. This is especially important in horizontal applications, where on ordinary floating chucks the weight of the tool tends to dislocate the tool from the rotational axis. REGO-FIX® floating chucks are a very universal and economical solution to your reaming and tapping applications.



Floating Chuck PHC/ER

For Coolant Through Tools

REGO-FIX® Floating Chucks PHC/ER for coolant through tools are especially designed for internal cooling and have the same advantages as the PH/ER Floating Chucks.



When using coolant through tools please order AXC clamping nuts and the appropriate sealing disks.

Floating Chuck MPH/ER

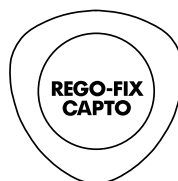
For Tight Space Applications

REGO-FIX® MPH/ER floating chucks are an efficient solution for tight space applications.

Floating Chuck PHC/ER REGO-FIX CAPTO

Polygon Interface

These REGO-FIX CAPTO floating chucks are manufactured with polygon interface.



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Floating Chucks

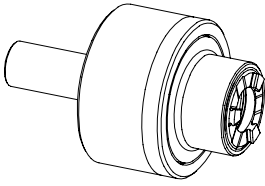
Matching Products

Clamping Nuts | Spanners | Collets

| Clamping Nut and Spanner | ER 11 | Page | Standard | With Friction Bearing | Balanced | For Coolant Through Tools | Collet Locking System | Mini-Nut | Nut with External Thread | Spanner |
|--------------------------|------------|------|----------|-----------------------|----------|---------------------------|-----------------------|----------|--------------------------|---------|
| ER AX | 3311.60000 | 4.18 | | | ■ | | ■ | | ■ | |
| E AX | 7117.11000 | 12.2 | | | | | | | | ■ |

| Collet | ER 11/ET1-12 | |
|--------|---------------------|------|
| | Clamping Range [mm] | Page |
| ER | 0.5 – 7.0 | 2.8 |
| ER-UP | 0.5 – 7.0 | 2.8 |
| ER-DM | 2.75 – 7.0 | 2.22 |
| ER-MB | 0.2 – 0.9 | 2.8 |
| ER-GB | 2.8 – 6.0 | 3.4 |
| ET 1* | 1.4 – 3.55 | 3.8 |

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

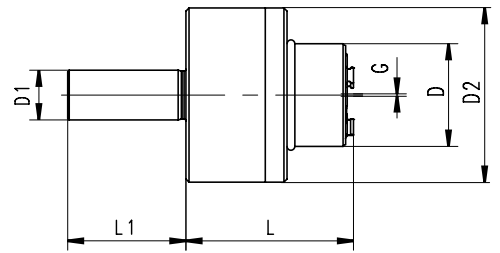


PH | ER

Floating Chucks For Non Coolant Through Tools

| Type | Part No. | D [mm] | D1 h6 [mm] | D2 [mm] | G float [mm] | L [mm] | L1 [mm] |
|-----------------|------------|-----------|---------------|------------|--------------------|-----------|------------|
| PH 5/8" / ER 11 | 2616.91102 | 22 | 15.88 | 38 | 0.8 | 36 | 34 |
| PH 16 / ER 11 | 2616.91100 | 22 | 16.00 | 38 | 0.8 | 36 | 34 |
| PH 3/4" / ER 11 | 2619.91102 | 22 | 19.05 | 38 | 0.8 | 36 | 34 |
| PH 20 / ER 11 | 2620.91100 | 22 | 20.00 | 38 | 0.8 | 36 | 34 |
| PH 22 / ER 11 | 2622.91100 | 22 | 22.00 | 38 | 0.8 | 36 | 34 |

Supplied with: Floating holder, clamping nut and spanner.



Drawings with detailed dimensions see

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Floating Chucks

Matching Products

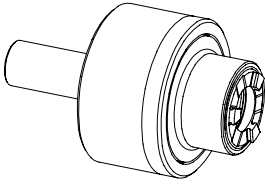
Clamping Nuts | Spanners | Collets

| Clamping Nut and Spanner | ER 20 | ER 32 | Page | Standard | With Friction Bearing | Balanced | For Coolant Through Tools | Collet Locking System | Mini-Nut | Nut with External Thread | Spanner |
|--------------------------|------------|------------|------|----------|-----------------------|----------|---------------------------|-----------------------|----------|--------------------------|---------|
| ER AX | 3320.60000 | 3332.60000 | 4.18 | | | ■ | | ■ | | ■ | |
| ER AXC | 3320.70000 | 3332.70000 | 4.18 | | | ■ | ■ | ■ | | ■ | |
| E AX | 7117.20000 | 7117.32000 | 12.2 | | | | | | | | ■ |

! When using coolant through tools please order AXC clamping nuts and the appropriate sealing disks.

| Collet | ER 11/ET1-12 | | ER 16/ET1-16 | | ER 20/ET1-20 | | ER 25/ET1-25 | | ER 32/ET1-32 | | ER 40/ET1-40 | | ER 50 | |
|--------|---------------------|------|---------------------|------|---------------------|------|---------------------|------|---------------------|------|---------------------|------|---------------------|------|
| | Clamping Range [mm] | Page | Clamping Range [mm] | Page | Clamping Range [mm] | Page | Clamping Range [mm] | Page | Clamping Range [mm] | Page | Clamping Range [mm] | Page | Clamping Range [mm] | Page |
| ER | - | - | - | - | 0.5 – 13.0 | 2.12 | - | - | 1.0 – 20.0 | 2.16 | - | - | - | - |
| ER-UP | - | - | - | - | 0.5 – 13.0 | 2.12 | - | - | 1.0 – 20.0 | 2.16 | - | - | - | - |
| ER-DM | - | - | - | - | 3.0 – 10.0 | 2.26 | - | - | 6.0 – 20.0 | 2.30 | - | - | - | - |
| ER-MB | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ER-GB | - | - | - | - | 4.0 – 11.2 | 3.4 | - | - | 4.0 – 20.0 | 3.4 | - | - | - | - |
| ET 1* | - | - | - | - | 2.2 – 7.0 | 3.8 | - | - | 4.5 – 12.5 | 3.8 | - | - | - | - |

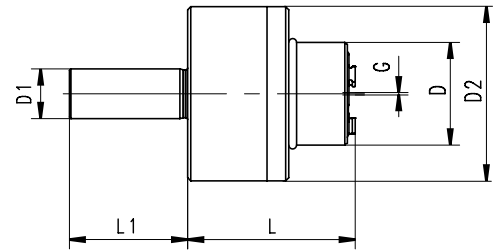
*Not for coolant through tools and not for applications with sealing disks.



PHC | ER

Floating Chucks For Coolant Through Tools

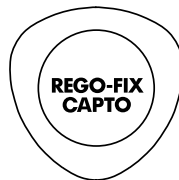
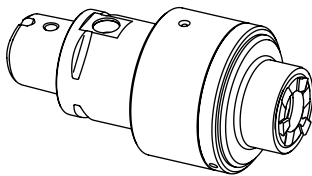
| Type | Part No. | D [mm] | D1 h6 [mm] | D2 [mm] | G float [mm] | L [mm] | L1 [mm] |
|--------------------|------------|--------|------------|---------|--------------|--------|---------|
| PHC 5/8" / ER 20 | 2616.92004 | 33 | 15.88 | 56 | 1.0 | 53.5 | 38 |
| PHC 16 / ER 20 | 2616.92003 | 33 | 16.00 | 56 | 1.0 | 53.5 | 38 |
| PHC 3/4" / ER 20 | 2619.92004 | 33 | 19.05 | 56 | 1.0 | 53.5 | 38 |
| PHC 20 / ER 20 | 2620.92003 | 33 | 20.00 | 56 | 1.0 | 53.5 | 38 |
| PHC 22 / ER 20 | 2622.92003 | 33 | 22.00 | 56 | 1.0 | 53.5 | 38 |
| PHC 25 / ER 20 | 2625.92003 | 33 | 25.00 | 56 | 1.0 | 53.5 | 38 |
| PHC 1" / ER 20 | 2625.92004 | 33 | 25.40 | 56 | 1.5 | 53.5 | 38 |
| PHC 3/4" / ER 32 | 2619.93204 | 46 | 19.05 | 70 | 1.5 | 64.5 | 46 |
| PHC 20 / ER 32 | 2620.93203 | 46 | 20.00 | 70 | 1.5 | 64.5 | 46 |
| PHC 22 / ER 32 | 2622.93203 | 46 | 22.00 | 70 | 1.5 | 64.5 | 46 |
| PHC 25 / ER 32 | 2625.93203 | 46 | 25.00 | 70 | 1.5 | 64.5 | 46 |
| PHC 1" / ER 32 | 2625.93204 | 46 | 25.40 | 70 | 1.5 | 64.5 | 46 |
| PHC 32 / ER 32 | 2632.93203 | 46 | 32.00 | 70 | 1.5 | 64.5 | 46 |
| PHC 1.1/4" / ER 32 | 2632.93204 | 46 | 31.75 | 70 | 1.5 | 64.5 | 46 |
| PHC 1.3/4" / ER 32 | 2644.93204 | 46 | 44.45 | 70 | 1.5 | 64.5 | 46 |



Drawings with detailed dimensions see.

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Supplied with: Floating holder, clamping nut, spanner and adjusting key.



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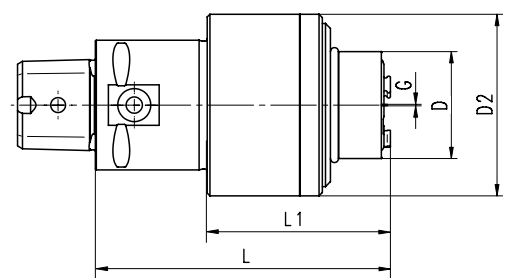
PHC | ER REGO-FIX CAPTO

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Floating Chucks For Coolant Through Tools and with REGO-FIX CAPTO Interface

| Type | Part No. | D [mm] | D2 [mm] | G float [mm] | L [mm] | L1 [mm] |
|----------------|------------|--------|---------|--------------|--------|---------|
| PHC-C3 / ER 20 | 2803.92003 | 33 | 56 | 0.8 | 91 | 53.5 |
| PHC-C4 / ER 20 | 2804.92003 | 33 | 56 | 0.8 | 91 | 56.5 |
| PHC-C4 / ER 32 | 2804.93203 | 46 | 70 | 0.8 | 100 | 64.0 |

Supplied with: Floating holder, clamping nut, spanner.





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Matching Products

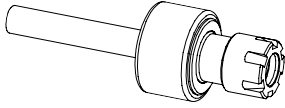
Clamping Nuts | Spanners | Collets

| Clamping Nut and Spanner | ER 11 | Page | Standard | With Friction Bearing | Balanced | For Coolant Through Tools | Collet Locking System | Mini-Nut | Nut with External Thread | Spanner |
|--------------------------|------------|------|----------|-----------------------|----------|---------------------------|-----------------------|----------|--------------------------|---------|
| Hi-Q/ERM | 3511.00000 | 4.12 | | | ■ | | ■ | ■ | | |
| EM | 7113.11000 | 12.1 | | | | | | | | ■ |
| ER MS | 3211.50000 | 4.16 | | | ■ | | | ■ | | |
| E MS | 7114.11000 | 12.2 | | | | | | | | ■ |

| Collet | ER 11/ET1-12 | |
|--------|---------------------|------|
| | Clamping Range [mm] | Page |
| ER | 0.5 – 7.0 | 2.8 |
| ER-UP | 0.5 – 7.0 | 2.8 |
| ER-DM | 2.75 – 7.0 | 2.22 |
| ER-MB | 0.2 – 0.9 | 2.8 |
| ER-GB | 2.8 – 6.0 | 3.4 |
| ET 1* | 1.4 – 3.55 | 3.8 |

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

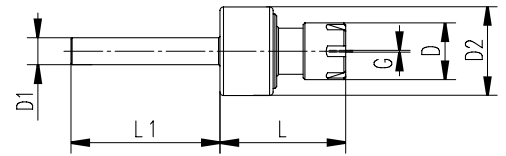
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Mini-Floating Chucks

| Type | Part No. | D [mm] | D1 h6 [mm] | D2 [mm] | G float [mm] | L [mm] | L1 [mm] |
|--------------------|------------|-----------|---------------|------------|--------------------|-----------|------------|
| MPH 8 / ER 11 M | 2608.91107 | 16 | 8.00 | 25 | 0.5 | 35 | 42 |
| MPH 10 / ER 11 M | 2610.91107 | 16 | 10.00 | 25 | 0.5 | 35 | 42 |
| MPH 16 / ER 11 M | 2616.91107 | 16 | 16.00 | 25 | 0.5 | 35 | 42 |
| MPH 3/4" / ER 11 M | 2619.91108 | 16 | 19.05 | 25 | 0.5 | 35 | 70 |
| MPH 20 / ER 11 M | 2620.91107 | 16 | 20.00 | 25 | 0.5 | 35 | 42 |
| MPH 22 / ER 11 M | 2622.91107 | 16 | 22.00 | 25 | 0.5 | 35 | 42 |
| MPH 25 / ER 11 M | 2625.91107 | 16 | 25.00 | 25 | 0.5 | 35 | 40 |
| MPH 1" / ER 11 M | 2625.91108 | 16 | 25.40 | 25 | 0.5 | 35 | 40 |

Supplied with: Floating holder, clamping nut, spanner.



Drawings with detailed dimensions see.

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