

M A S TER C A T ALO G

## HAIMER.

HAIMER.

HIGH PRECISION ER COLLETS METRIC


- High polished finish for extra accuracy and long life, especially when clamped in HAIMER ER collet chucks
- ISO 15488 (formerly DIN 6499)
- Superior clamping strength
- Fits all brands of ER collet holders
- Run-out accuracy 0.0002" (5 $\mu \mathrm{m}$ )

| ER 11 Clamping $\emptyset$ |  | $[\mathrm{mm}]$ | $\emptyset \mathrm{D}$ | L |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $\mathbf{8 1 . 1 1 0 . 1 . 0}$ | $0.50 \ldots 1.00$ | 11.5 | 18 |
|  | $\mathbf{8 1 . 1 1 0 . 1 . 5}$ | $1.00 \ldots 1.50$ | 11.5 | 18 |
|  | 81.110 .2 .0 | $1.50 \ldots 2.00$ | 11.5 | 18 |
| 81.110 .2 .5 | $2.00 \ldots 2.50$ | 11.5 | 18 |  |
| 81.110 .3 .0 | $2.50 \ldots 3.00$ | 11.5 | 18 |  |
| 81.110 .3 .5 | $3.00 \ldots 3.50$ | 11.5 | 18 |  |
| 81.110 .4 .0 | $3.50 \ldots 4.00$ | 11.5 | 18 |  |
| 81.110 .4 .5 | $4.00 \ldots 4.50$ | 11.5 | 18 |  |
| 81.110 .5 .0 | $4.50 \ldots 5.00$ | 11.5 | 18 |  |
| 81.110 .5 .5 | $5.00 \ldots 5.50$ | 11.5 | 18 |  |
| 81.110 .6 .0 | $5.50 \ldots 6.00$ | 11.5 | 18 |  |
| $\mathbf{8 1 . 1 1 0 . 6 . 5}$ | $6.00 \ldots 6.50$ | 11.5 | 18 |  |
| $\mathbf{8 1 . 1 1 0 . 7 . 0}$ | $6.50 \ldots 7.00$ | 11.5 | 18 |  |


| ER 16 Clamping Ø |  | [mm] | ø D | L |
| :---: | :---: | :---: | :---: | :---: |
| Order No. | 81.160 .01 | $0.50 \ldots 1.00$ | 17 | 27 |
|  | 81.160.1.5 | $1.00 \ldots 1.50$ | 17 | 27 |
|  | 81.160 .02 | 1.50 ... 2.00 | 17 | 27 |
|  | 81.160.2.5 | 2.00 ... 2.50 | 17 | 27 |
|  | 81.160 .03 | $2.50 \ldots 3.00$ | 17 | 27 |
|  | 81.160 .04 | 3.00 ... 4.00 | 17 | 27 |
|  | 81.160 .05 | 4.00 ... 5.00 | 17 | 27 |
|  | 81.160 .06 | $5.00 \ldots 6.00$ | 17 | 27 |
|  | 81.160 .07 | $6.00 \ldots 7.00$ | 17 | 27 |
|  | 81.160 .08 | $7.00 \ldots 8.00$ | 17 | 27 |
|  | 81.160 .09 | $8.00 \ldots 9.00$ | 17 | 27 |
|  | 81.160 .10 | $9.00 \ldots 10.00$ | 17 | 27 |


| ER 20 Clamping ø |  | [mm] | Ø D | L |
| :---: | :---: | :---: | :---: | :---: |
| Order No. | 81.200 .02 | 1.50 ... 2.00 | 21 | 31.5 |
|  | 81.200 .03 | 2.00 ... 3.00 | 21 | 31.5 |
|  | 81.200 .04 | 3.00 ... 4.00 | 21 | 31.5 |
|  | 81.200 .05 | 4.00 ... 5.00 | 21 | 31.5 |
|  | 81.200 .06 | $5.00 \ldots 6.00$ | 21 | 31.5 |
|  | 81.200 .07 | 6.00 ... 7.00 | 21 | 31.5 |
|  | 81.200 .08 | $7.00 \ldots 8.00$ | 21 | 31.5 |
|  | 81.200 .09 | 8.00 ... 9.00 | 21 | 31.5 |
|  | 81.200 .10 | $9.00 \ldots 10.00$ | 21 | 31.5 |
|  | 81.200 .11 | 10.00 ... 11.00 | 21 | 31.5 |
|  | 81.200 .12 | $11.00 \ldots 12.00$ | 21 | 31.5 |
|  | 81.200 .13 | 12.00 ... 13.00 | 21 | 31.5 |


| ER 25 Clamping $\emptyset$ |  | $[\mathrm{mm}]$ | $\emptyset \mathrm{D}$ | L |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $\mathbf{8 1 . 2 5 0 . 1 . 5}$ | $1.00 \ldots 1.50$ | 26 | 35 |
|  | $\mathbf{8 1 . 2 5 0 . 0 2}$ | $1.50 \ldots 2.00$ | 26 | 35 |
|  | $\mathbf{8 1 . 2 5 0 . 2 . 5}$ | $2.00 \ldots 2.50$ | 26 | 35 |
|  | $\mathbf{8 1 . 2 5 0 . 0 3}$ | $2.50 \ldots 3.00$ | 26 | 35 |
|  | 81.250 .04 | $3.00 \ldots 4.00$ | 26 | 35 |
| $\mathbf{8 1 . 2 5 0 . 0 5}$ | $4.00 \ldots 5.00$ | 26 | 35 |  |
| $\mathbf{8 1 . 2 5 0 . 0 6}$ | $5.00 \ldots 6.00$ | 26 | 35 |  |
| $\mathbf{8 1 . 2 5 0 . 0 7}$ | $6.00 \ldots 7.00$ | 26 | 35 |  |
| $\mathbf{8 1 . 2 5 0 . 0 8}$ | $7.00 \ldots 8.00$ | 26 | 35 |  |
| $\mathbf{8 1 . 2 5 0 . 0 9}$ | $8.00 \ldots 9.00$ | 26 | 35 |  |
| $\mathbf{8 1 . 2 5 0 . 1 0}$ | $9.00 \ldots 10.00$ | 26 | 35 |  |
| $\mathbf{8 1 . 2 5 0 . 1 1}$ | $10.00 \ldots 11.00$ | 26 | 35 |  |
| $\mathbf{8 1 . 2 5 0 . 1 2}$ | $11.00 \ldots 12.00$ | 26 | 35 |  |
| $\mathbf{8 1 . 2 5 0 . 1 3}$ | $12.00 \ldots 13.00$ | 26 | 35 |  |
| $\mathbf{8 1 . 2 5 0 . 1 4}$ | $13.00 \ldots 14.00$ | 26 | 35 |  |
| $\mathbf{8 1 . 2 5 0 . 1 5}$ | $14.00 \ldots 15.00$ | 26 | 35 |  |
| $\mathbf{8 1 . 2 5 0 . 1 6}$ | $15.00 \ldots 16.00$ | 26 | 35 |  |

## HIGH PRECISION ER COLLETS

 METRIC

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- ISO 15488 (formerly DIN 6499)
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- Run-out accuracy 0.0002" (5 $\mu \mathrm{m}$ )

| ER 32 Clamping ø |  | [mm] | ø D | L |
| :---: | :---: | :---: | :---: | :---: |
| Order No. | 81.320 .02 | 1.50 ... 2.00 | 33 | 40 |
|  | 81.320.2.5 | 2.00 ... 2.50 | 33 | 40 |
|  | 81.320 .03 | 2.50 ... 3.00 | 33 | 40 |
|  | 81.320 .04 | 3.00 ... 4.00 | 33 | 40 |
|  | 81.320 .05 | 4.00 ... 5.00 | 33 | 40 |
|  | 81.320 .06 | 5.00 ... 6.00 | 33 | 40 |
|  | 81.320 .07 | $6.00 \ldots 7.00$ | 33 | 40 |
|  | 81.320 .08 | 7.00 ... 8.00 | 33 | 40 |
|  | 81.320 .09 | $8.00 \ldots 9.00$ | 33 | 40 |
|  | 81.320 .10 | $9.00 \ldots 10.00$ | 33 | 40 |
|  | 81.320 .11 | $10.00 \ldots 11.00$ | 33 | 40 |
|  | 81.320 .12 | 11.00 ... 12.00 | 33 | 40 |
|  | 81.320 .13 | $12.00 \ldots 13.00$ | 33 | 40 |
|  | 81.320 .14 | 13.00 ... 14.00 | 33 | 40 |
|  | 81.320 .15 | 14.00 ... 15.00 | 33 | 40 |
|  | 81.320 .16 | 15.00 ... 16.00 | 33 | 40 |
|  | 81.320 .17 | $16.00 \ldots 17.00$ | 33 | 40 |
|  | 81.320 .18 | 17.00 ... 18.00 | 33 | 40 |
|  | 81.320 .19 | $18.00 \ldots 19.00$ | 33 | 40 |
|  | 81.320 .20 | 19.00 ... 20.00 | 33 | 40 |


| ER 40 Clamping $\emptyset$ |  | [mm] | ø D | L |
| :---: | :---: | :---: | :---: | :---: |
| Order No. | 81.400 .03 | $2.50 \ldots 3.00$ | 41 | 46 |
|  | 81.400 .04 | 3.00 ... 4.00 | 41 | 46 |
|  | 81.400 .05 | 4.00 ... 5.00 | 41 | 46 |
|  | 81.400 .06 | $5.00 \ldots 6.00$ | 41 | 46 |
|  | 81.400 .07 | $6.00 \ldots 7.00$ | 41 | 46 |
|  | 81.400 .08 | 7.00 ... 8.00 | 41 | 46 |
|  | 81.400 .09 | $8.00 \ldots 9.00$ | 41 | 46 |
|  | 81.400 .10 | $9.00 \ldots 10.00$ | 41 | 46 |
|  | 81.400 .11 | 10.00 ... 11.00 | 41 | 46 |
|  | 81.400 .12 | 11.00 ... 12.00 | 41 | 46 |
|  | 81.400 .13 | $12.00 \ldots 13.00$ | 41 | 46 |
|  | 81.400 .14 | 13.00 ... 14.00 | 41 | 46 |
|  | 81.400 .15 | $14.00 \ldots 15.00$ | 41 | 46 |
|  | 81.400 .16 | 15.00 ... 16.00 | 41 | 46 |
|  | 81.400 .17 | $16.00 \ldots 17.00$ | 41 | 46 |
|  | 81.400 .18 | 17.00 ... 18.00 | 41 | 46 |
|  | 81.400 .19 | $18.00 \ldots 19.00$ | 41 | 46 |
|  | 81.400 .20 | 19.00 ... 20.00 | 41 | 46 |
|  | 81.400 .21 | 20.00 ... 21.00 | 41 | 46 |
|  | 81.400 .22 | 21.00 ... 22.00 | 41 | 46 |
|  | 81.400 .23 | 22.00 ... 23.00 | 41 | 46 |
|  | 81.400 .24 | 23.00 ... 24.00 | 41 | 46 |
|  | 81.400 .25 | 24.00 ... 25.00 | 41 | 46 |
|  | 81.400 .26 | 25.00 ... 26.00 | 41 | 46 |

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| ER 16 Clamping $\varnothing$ | [inch] | $\emptyset$ D | L |  |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $\mathbf{8 1 . 1 6 0 . 1 / 1 6 Z}$ | $0.0425-0.0625$ | 0.67 | 1.06 |
|  | $\mathbf{8 1 . 1 6 0 . 1 / 8 Z}$ | $0.085-0.125$ | 0.67 | 1.06 |
|  | $\mathbf{8 1 . 1 6 0 . 3 / \mathbf { 1 6 Z }}$ | $0.1475-0.1875$ | 0.67 | 1.06 |
|  | $\mathbf{8 1 . 1 6 0 . 1 / 4 Z}$ | $0.21-0.25$ | 0.67 | 1.06 |
|  | $\mathbf{8 1 . 1 6 0 . 5 / \mathbf { 1 6 Z }}$ | $0.2725-0.3125$ | 0.67 | 1.06 |
|  | $\mathbf{8 1 . 1 6 0 . 3 / 8 Z}$ | $0.335-0.375$ | 0.67 | 1.06 |


| ER $\mathbf{2 0}$ Clamping $\emptyset$ | [inch] | $\emptyset$ D | L |  |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $\mathbf{8 1 . 2 0 0 . 1 / 8 Z}$ | $0.085-0.125$ | 0.83 | 1.24 |
|  | $\mathbf{8 1 . 2 0 0 . 3 / \mathbf { 1 6 Z }}$ | $0.1475-0.1875$ | 0.83 | 1.24 |
|  | $\mathbf{8 1 . 2 0 0 . 1 / \mathbf { Z }}$ | $0.21-0.25$ | 0.83 | 1.24 |
|  | $\mathbf{8 1 . 2 0 0 . 5 / \mathbf { 1 6 Z }}$ | $0.2725-0.3125$ | 0.83 | 1.24 |
|  | $\mathbf{8 1 . 2 0 0 . 3 / 8 Z}$ | $0.335-0.375$ | 0.83 | 1.24 |
|  | $\mathbf{8 1 . 2 0 0 . 7 / \mathbf { 1 6 Z }}$ | $0.3975-0.4375$ | 0.83 | 1.24 |
|  | $\mathbf{8 1 . 2 0 0 . 1 / \mathbf { 2 Z }}$ | $0.46-0.50$ | 0.83 | 1.24 |


| ER $\mathbf{2 5}$ Clamping $\emptyset$ | [inch] | $\emptyset \mathrm{D}$ | L |  |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $\mathbf{8 1 . 2 5 0 . 1 / 8 Z}$ | $0.085-0.125$ | 1.02 | 1.38 |
|  | $\mathbf{8 1 . 2 5 0 . 3 / \mathbf { 1 6 Z }}$ | $0.1475-0.1875$ | 1.02 | 1.38 |
|  | $\mathbf{8 1 . 2 5 0 . 1 / \mathbf { Z }}$ | $0.21-0.25$ | 1.02 | 1.38 |
|  | $\mathbf{8 1 . 2 5 0 . 5 / \mathbf { 1 6 Z }}$ | $0.2725-0.3125$ | 1.02 | 1.38 |
|  | $\mathbf{8 1 . 2 5 0 . 3 / 8 Z}$ | $0.335-0.375$ | 1.02 | 1.38 |
|  | $\mathbf{8 1 . 2 5 0 . 7 / \mathbf { 1 6 Z }}$ | $0.3975-0.4375$ | 1.02 | 1.38 |
|  | $\mathbf{8 1 . 2 5 0 . 1 / \mathbf { 2 Z }}$ | $0.46-0.50$ | 1.02 | 1.38 |
|  | $\mathbf{8 1 . 2 5 0 . 9 / \mathbf { 1 6 Z }}$ | $0.5225-0.5625$ | 1.02 | 1.38 |
|  | $\mathbf{8 1 . 2 5 0 . 5 / 8 \mathbf { Z }}$ | $0.585-0.625$ | 1.02 | 1.38 |


| ER 32 Clamping Ø |  | [inch] | ø D | L |
| :---: | :---: | :---: | :---: | :---: |
| Order No. | 81.320.1/8Z | 0.085-0.125 | 1.3 | 1.57 |
|  | 81.320.3/16Z | 0.1475-0.1875 | 1.3 | 1.57 |
|  | 81.320.1/4Z | $0.21-0.25$ | 1.3 | 1.57 |
|  | 81.320.5/16Z | 0.2725-0.3125 | 1.3 | 1.57 |
|  | 81.320.3/8Z | 0.335-0.375 | 1.3 | 1.57 |
|  | 81.320.7/16Z | $0.3975-0.4375$ | 1.3 | 1.57 |
|  | 81.320.1/2Z | 0.46-0.50 | 1.3 | 1.57 |
|  | 81.320.9/16Z | 0.5225-0.5625 | 1.3 | 1.57 |
|  | 81.320.5/8Z | 0.585-0.625 | 1.3 | 1.57 |
|  | 81.320.11/16Z | 0.6475-0.6875 | 1.3 | 1.57 |
|  | 81.320.3/4Z | $0.71-0.75$ | 1.3 | 1.57 |


| ER $\mathbf{4 0}$ Clamping $\varnothing$ | [linch] | $\varnothing$ D | L |  |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $\mathbf{8 1 . 4 0 0 . 1 / 4 Z}$ | $0.21-0.25$ | 1.61 | 1.81 |
|  | $\mathbf{8 1 . 4 0 0 . 5 / \mathbf { 1 6 Z }}$ | $0.2725-0.3125$ | 1.61 | 1.81 |
|  | $\mathbf{8 1 . 4 0 0 . 3 / 8 Z}$ | $0.335-0.375$ | 1.61 | 1.81 |
|  | $\mathbf{8 1 . 4 0 0 . 7 / 1 6 Z}$ | $0.3975-0.4375$ | 1.61 | 1.81 |
|  | $\mathbf{8 1 . 4 0 0 . 1 / 2 Z}$ | $0.46-0.50$ | 1.61 | 1.81 |
|  | $\mathbf{8 1 . 4 0 0 . 9 / 1 6 Z}$ | $0.5225-0.5625$ | 1.61 | 1.81 |
|  | $\mathbf{8 1 . 4 0 0 . 5 / 8 Z}$ | $0.585-0.625$ | 1.61 | 1.81 |
|  | $\mathbf{8 1 . 4 0 0 . 3 / 4 Z}$ | $0.71-0.75$ | 1.61 | 1.81 |
|  | $\mathbf{8 1 . 4 0 0 . 7 / 8 Z}$ | $0.835-0.875$ | 1.61 | 1.81 |
|  | $\mathbf{8 1 . 4 0 0 . 1 Z}$ | $0.96-1$ | 1.61 | 1.81 |

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- Run-out accuracy 0.0002" ( $5 \mu \mathrm{~m}$ )
- Sealed for internal coolant tools

| ER 16 Clamping $\varnothing$ |  | $[\mathrm{mm}]$ | $\boldsymbol{\varnothing}$ D | L |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $\mathbf{8 1 . 1 6 5 . 0 3}$ | 03 | 16.70 | 30 |
|  | $\mathbf{8 1 . 1 6 5 . 0 4}$ | 04 | 16.70 | 30 |
|  | $\mathbf{8 1 . 1 6 5 . 0 5}$ | 05 | 16.70 | 30 |
| $\mathbf{8 1 . 1 6 5 . 0 6}$ | 06 | 16.70 | 30 |  |
| $\mathbf{8 1 . 1 6 5 . 0 7}$ | 07 | 16.70 | 30 |  |
| $\mathbf{8 1 . 1 6 5 . 0 8}$ | 08 | 16.70 | 30 |  |
| $\mathbf{8 1 . 1 6 5 . 0 9}$ | 09 | 16.70 | 30 |  |
| $\mathbf{8 1 . 1 6 5 . 1 0}$ | 10 | 16.70 | 30 |  |


| ER 25 Clamping Ø |  | [mm] | Ø D | L |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $\mathbf{8 1 . 2 5 5 . 0 3}$ | 03 | 25.70 | 37 |
|  | $\mathbf{8 1 . 2 5 5 . 0 4}$ | 04 | 25.70 | 37 |
|  | $\mathbf{8 1 . 2 5 5 . 0 5}$ | 05 | 25.70 | 37 |
| $\mathbf{8 1 . 2 5 5 . 0 6}$ | 06 | 25.70 | 37 |  |
| $\mathbf{8 1 . 2 5 5 . 0 7}$ | 07 | 25.70 | 37 |  |
| $\mathbf{8 1 . 2 5 5 . 0 8}$ | 08 | 25.70 | 37 |  |
| $\mathbf{8 1 . 2 5 5 . 0 9}$ | 09 | 25.70 | 37 |  |
| $\mathbf{8 1 . 2 5 5 . 1 0}$ | 10 | 25.70 | 37 |  |
| $\mathbf{8 1 . 2 5 5 . 1 1}$ | 11 | 25.70 | 37 |  |
| $\mathbf{8 1 . 2 5 5 . 1 2}$ | 12 | 25.70 | 37 |  |
| $\mathbf{8 1 . 2 5 5 . 1 3}$ | 13 | 25.70 | 37 |  |
| $\mathbf{8 1 . 2 5 5 . 1 4}$ | 14 | 25.70 | 37 |  |
| $\mathbf{8 1 . 2 5 5 . 1 5}$ | 15 | 25.70 | 37 |  |
| $\mathbf{8 1 . 2 5 5 . 1 6}$ | 16 | 25.70 | 37 |  |


| ER $\mathbf{4 0}$ Clamping $\varnothing$ |  | [mm] | Ø D | L |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $\mathbf{8 1 . 4 0 5 . 0 6}$ | 06 | 40.70 | 30 |
|  | $\mathbf{8 1 . 4 0 5 . 0 8}$ | 08 | 40.70 | 30 |
|  | $\mathbf{8 1 . 4 0 5 . 1 0}$ | 10 | 40.70 | 30 |
| $\mathbf{8 1 . 4 0 5 . 1 2}$ | 12 | 40.70 | 30 |  |
| $\mathbf{8 1 . 4 0 5 . 1 4}$ | 14 | 40.70 | 30 |  |
| $\mathbf{8 1 . 4 0 5 . 1 6}$ | 16 | 40.70 | 30 |  |
| $\mathbf{8 1 . 4 0 5 . 1 8}$ | 18 | 40.70 | 30 |  |
| $\mathbf{8 1 . 4 0 5 . 2 0}$ | 20 | 40.70 | 30 |  |
| $\mathbf{8 1 . 4 0 5 . 2 2}$ | 22 | 40.70 | 30 |  |
| $\mathbf{8 1 . 4 0 5 . 2 5}$ | 25 | 40.70 | 30 |  |


| ER 20 Clamping $\varnothing$ |  | $[\mathrm{mm}]$ | $\boldsymbol{\emptyset} \mathbf{D}$ | L |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $\mathbf{8 1 . 2 0 5 . 0 3}$ | 03 | 20.70 | 30 |
|  | $\mathbf{8 1 . 2 0 5 . 0 4}$ | 04 | 20.70 | 30 |
|  | $\mathbf{8 1 . 2 0 5 . 0 5}$ | 05 | 20.70 | 30 |
| $\mathbf{8 1 . 2 0 5 . 0 6}$ | 06 | 20.70 | 30 |  |
| $\mathbf{8 1 . 2 0 5 . 0 7}$ | 07 | 20.70 | 30 |  |
| $\mathbf{8 1 . 2 0 5 . 0 8}$ | 08 | 20.70 | 30 |  |
| $\mathbf{8 1 . 2 0 5 . 0 9}$ | 09 | 20.70 | 30 |  |
| $\mathbf{8 1 . 2 0 5 . 1 0}$ | 10 | 20.70 | 30 |  |
| $\mathbf{8 1 . 2 0 5 . 1 1}$ | 11 | 20.70 | 30 |  |
| $\mathbf{8 1 . 2 0 5 . 1 2}$ | 12 | 20.70 | 30 |  |


| ER 32 Clamping $\varnothing$ |  | $[\mathrm{mm}]$ | $\boldsymbol{\emptyset} \mathbf{D}$ | L |
| :--- | :--- | :--- | :--- | :--- |
|  | $\mathbf{8 1 . 3 2 5 . 0 3}$ | 03 | 32.70 | 45 |
| $\mathbf{8 1 . 3 2 5 . 0 4}$ | 04 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 0 5}$ | 05 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 0 6}$ | 06 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 0 7}$ | 07 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 0 8}$ | 08 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 0 9}$ | 09 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 1 0}$ | 10 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 1 1}$ | 11 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 1 2}$ | 12 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 1 3}$ | 13 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 1 4}$ | 14 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 1 5}$ | 15 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 1 6}$ | 16 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 1 7}$ | 17 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 1 8}$ | 18 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 1 9}$ | 19 | 32.70 | 45 |  |
| $\mathbf{8 1 . 3 2 5 . 2 0}$ | 20 | 32.70 | 45 |  |
|  |  |  |  |  |

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| ER 16 Clamping $\emptyset$ |  | [inch] | ¢ D | L |
| :---: | :---: | :---: | :---: | :---: |
| Order No. | 81.165.1/8z | 1/8 | 0.65 | 1.18 |
|  | 81.165.3/16z | 3/16 | 0.65 | 1.18 |
|  | 81.165.1/4z | 1/4 | 0.65 | 1.18 |
|  | 81.165.5/16z | 5/16 | 0.65 | 1.18 |
|  | 81.165.3/8z | 3/8 | 0.65 | 1.18 |


| ER 20 Clamping $\emptyset$ | $[$ inch] | $\emptyset$ D | L |
| :--- | :--- | :--- | :--- |
| Order No. $81.205 .1 / 8 z$ | $1 / 8$ | 1.001 | 1.46 |
| $81.205 .3 / 16 z$ | $3 / 16$ | 1.001 | 1.46 |
| $81.205 .1 / 4 z$ | $1 / 4$ | 1.001 | 1.46 |
| $81.205 .5 / 16 z$ | $5 / 16$ | 1.001 | 1.46 |
| $81.205 .3 / 8 \mathrm{z}$ | $3 / 8$ | 1.001 | 1.46 |
| $81.205 .7 / 16 \mathrm{z}$ | $7 / 16$ | 1.001 | 1.46 |
| $81.205 .1 / 2 \mathrm{z}$ | $1 / 2$ | 1.001 | 1.46 |


| ER 25 Clamping $\emptyset$ | $[$ inch] | $\emptyset \mathrm{D}$ | L |  |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $81.255 .1 / 8 \mathrm{z}$ | $1 / 8$ | 1.001 | 1.46 |
| $81.255 .3 / 16 \mathrm{z}$ | $3 / 16$ | 1.001 | 1.46 |  |
| $81.255 .1 / 4 \mathrm{z}$ | $1 / 4$ | 1.001 | 1.46 |  |
| $81.255 .5 / 16 \mathrm{z}$ | $5 / 16$ | 1.001 | 1.46 |  |
| $81.255 .3 / 8 \mathrm{z}$ | $3 / 8$ | 1.001 | 1.46 |  |
| $81.255 .7 / 16 \mathrm{z}$ | $7 / 16$ | 1.001 | 1.46 |  |
| $81.255 .1 / 2 \mathrm{z}$ | $1 / 2$ | 1.001 | 1.46 |  |
| $81.255 .9 / 16 \mathrm{z}$ | $9 / 16$ | 1.001 | 1.46 |  |
| $81.255 .5 / 8 \mathrm{z}$ | $5 / 8$ | 1.001 | 1.46 |  |


| ER 32 Clamping $\emptyset$ | [inch] | $\emptyset \mathrm{D}$ | L |
| :--- | :--- | :--- | :--- |
| Order No. | $81.325 .1 / 8 \mathrm{z}$ | $1 / 8$ | 1.28 |
| $81.325 .3 / 16 \mathrm{z}$ | $3 / 16$ | 1.28 | 1.77 |
| $81.325 .1 / 4 \mathrm{z}$ | $1 / 4$ | 1.28 | 1.77 |
| $81.325 .5 / 16 \mathrm{z}$ | $5 / 16$ | 1.28 | 1.77 |
| $81.325 .3 / 8 \mathrm{z}$ | $3 / 8$ | 1.28 | 1.77 |
| $81.325 .7 / 16 \mathrm{z}$ | $7 / 16$ | 1.28 | 1.77 |
| $81.325 .1 / 2 \mathrm{z}$ | $1 / 2$ | 1.28 | 1.77 |
| $81.325 .9 / 16 \mathrm{z}$ | $9 / 16$ | 1.28 | 1.77 |
| $81.325 .5 / 8 \mathrm{z}$ | $5 / 8$ | 1.28 | 1.77 |
| $81.325 .3 / 4 \mathrm{z}$ | $3 / 4$ | 1.28 | 1.77 |



- High polished finish for extra accuracy and long life, especially when clamped in HAIMER ER collet chucks
- ISO 15488 (formerly DIN 6499)
- Superior clamping strength
- Fits all brands of ER collet holders
- Run-out accuracy $0.00012^{\prime \prime}(3 \mu \mathrm{~m})$
- With Cool Jet bores for optimal coolant supply
- For cylindrical shanks with tolerance h8 or better

| ER 25 Clamping Ø |  | [mm] | ø D | L | ER 32 Clamping ø |  | [mm] | $\varnothing$ D | L |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Order No. | 81.252 .04 | 04 | 26 | 37 | Order No. | 81.322.04 | 04 | 33 | 45 |
|  | 81.252 .06 | 06 | 26 | 37 |  | 81.322 .06 | 06 | 33 | 45 |
|  | 81.252 .08 | 08 | 26 | 37 |  | 81.322 .08 | 08 | 33 | 45 |
|  | 81.252 .10 | 10 | 26 | 37 |  | 81.322 .10 | 10 | 33 | 45 |
|  | 81.252 .12 | 12 | 26 | 37 |  | 81.322 .12 | 12 | 33 | 45 |
|  | 81.252.14 | 14 | 26 | 37 |  | 81.322.14 | 14 | 33 | 45 |
|  |  |  |  |  |  | 81.322 .16 | 16 | 33 | 45 |
|  |  |  |  |  |  | 81.322 .18 | 18 | 33 | 45 |
|  |  |  |  |  |  | 81.322.20 | 20 | 33 | 45 |

Attention: Blue plastic ring is for identification purposes only and must be removed before use.

POWER COLLET FOR HAIMER POWER/HIGH PRECISION COLLET CHUCK INCH


- High runout accuracy: $<0.00012^{\prime \prime}(3 \mu \mathrm{~m})$ at $3 \times \mathrm{D}$
- Superior clamping strength
- Fits HAIMER Power Collet Chucks and High Precision Collet Chucks
- For cylindrical shanks with tolerance h10
- Optional: Cool Jet bores at self-sealing collets

| ER 16 | Clamping | Ø D1 [inch] | Ø D2 [inch] | L [inch] |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $81.163 .1 / 8 z$ | $1 / 8$ | 0.65 | 1.18 |
|  | $81.163 .3 / 16 z$ | $3 / 16$ | 0.65 | 1.18 |
| $81.163 .1 / 4 z^{1)}$ | $1 / 4$ | 0.65 | 1.18 |  |
| $81.163 .5 / 16 z^{1)}$ | $5 / 16$ | 0.65 | 1.18 |  |
|  | $81.163 .3 / 8 z^{1)}$ | $3 / 8$ | 0.65 | 1.18 |


| ER 25 | Clamping | $\emptyset$ D1 [inch] | $\emptyset$ D2 [inch] | L [inch] |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $81.253 .1 / 8 \mathrm{z}$ | $1 / 8$ | 1.001 | 1.46 |
|  | $81.253 .3 / 16 \mathrm{z}$ | $3 / 16$ | 1.001 | 1.46 |
|  | $81.253 .1 / 4 z^{1)}$ | $1 / 4$ | 1.001 | 1.46 |
| $81.253 .5 / 16 z^{1)}$ | $5 / 16$ | 1.001 | 1.46 |  |
| $81.253 .3 / 8 z^{1)}$ | $3 / 8$ | 1.001 | 1.46 |  |
| $81.253 .7 / 16 z^{1)}$ | $7 / 16$ | 1.001 | 1.46 |  |
| $81.253 .1 / 2 z^{1)}$ | $1 / 2$ | 1.001 | 1.46 |  |
| $81.253 .9 / 16 z^{1)}$ | $9 / 16$ | 1.001 | 1.46 |  |
| $81.253 .5 / 8 z^{1)}$ | $5 / 8$ | 1.001 | 1.46 |  |


| ER 32 | Clamping | $\emptyset$ D1 [inch] | $\emptyset$ D2 [inch] | L [inch] |
| :--- | :--- | :--- | :--- | :--- |
| Order No. | $81.323 .1 / 8 z$ | $1 / 8$ | 1.28 | 1.77 |
|  | $81.323 .3 / 16 z$ | $3 / 16$ | 1.28 | 1.77 |
| $81.323 .1 / 4 z^{1)}$ | $1 / 4$ | 1.28 | 1.77 |  |
| $81.323 .5 / 16 z^{1)}$ | $5 / 16$ | 1.28 | 1.77 |  |
| $81.323 .3 / 8 z^{1)}$ | $3 / 8^{1)}$ | 1.28 | 1.77 |  |
| $81.323 .7 / 16 z^{1)}$ | $7 / 16$ | 1.28 | 1.77 |  |
| $81.323 .1 / 2 z^{1)}$ | $1 / 2^{11}$ | 1.28 | 1.77 |  |
| $81.323 .9 / 16 z^{1)}$ | $9 / 16$ | 1.28 | 1.77 |  |
| $81.323 .5 / 8 z^{1)}$ | $5 / 8^{1)}$ | 1.28 | 1.77 |  |
| $81.323 .3 / 4 z^{1)}$ | $3 / 4$ | 1.28 | 1.77 |  |

[^0]POWER COLLET FOR HAIMER POWER/HIGH PRECISION COLLET CHUCK METRIC

-High runout accuracy: $<0.00012^{\prime \prime}(3 \mu \mathrm{~m})$ at $3 \times \mathrm{D}$

- Superior clamping strength
- Fits HAIMER Power Collet Chucks and High Precision Collet Chucks
-For cylindrical shanks with tolerance h10
- Optional: Cool Jet bores at self-sealing collets

| ER 16 Clamping $\emptyset$ [mm] |  | D1 | D2 | L |
| :---: | :---: | :---: | :---: | :---: |
| Order No. | 81.163.02 ${ }^{\text {1) }}$ | 2 | 16.45 | 30 |
|  | 81.163.03 | 3 | 16.45 | 30 |
|  | 81.163.04 ${ }^{1}$ | 4 | 16.45 | 30 |
|  | 81.163.05 ${ }^{1)}$ | 5 | 16.45 | 30 |
|  | 81.163.06 ${ }^{1)}$ | 6 | 16.45 | 30 |
|  | 81.163.08 ${ }^{1)}$ | 8 | 16.45 | 30 |
|  | 81.163.10 ${ }^{1)}$ | 10 | 16.45 | 30 |


|  |  | D1 | D2 | L | ER 32 Clamping $\emptyset$ [mm] |  | D1 | D2 | L |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { ER } 25 \text { Clamping } \emptyset[\mathrm{mm}] \\ & \text { Order No. } \quad \mathbf{8 1 . 2 5 3 . 0 2}{ }^{11} \end{aligned}$ |  | 2 | 25.45 | 37 | Order No. | 81.323.02 ${ }^{11}$ | 2 | 32.48 | 45 |
|  | 81.253 .03 | 3 | 25.45 | 37 |  | 81.323 .03 | 3 | 32.48 | 45 |
|  | 81.253 .04 | 4 | 25.45 | 37 |  | 81.323 .04 | 4 | 32.48 | 45 |
|  | $81.253 .05^{1)}$ | 5 | 25.45 | 37 |  | 81.323.05 ${ }^{\text {1) }}$ | 5 | 32.48 | 45 |
|  | 81.253.06 ${ }^{11}$ | 6 | 25.45 | 37 |  | 81.323.06 ${ }^{1)}$ | 6 | 32.48 | 45 |
|  | 81.253.08 ${ }^{1)}$ | 8 | 25.45 | 37 |  | 81.323.08 ${ }^{1)}$ | 8 | 32.48 | 45 |
|  | 81.253.10 ${ }^{11}$ | 10 | 25.45 | 37 |  | 81.323.10 ${ }^{11}$ | 10 | 32.48 | 45 |
|  | 81.253.12 ${ }^{11}$ | 12 | 25.45 | 37 |  | 81.323.12 ${ }^{11}$ | 12 | 32.48 | 45 |
|  | 81.253.14 | 14 | 25.45 | 37 |  | 81.323.14 ${ }^{11}$ | 14 | 32.48 | 45 |
|  | 81.253.16 ${ }^{1)}$ | 16 | 25.45 | 37 |  | 81.323.16 ${ }^{11}$ | 16 | 32.48 | 45 |
|  |  |  |  |  |  | 81.323.18 ${ }^{11}$ | 18 | 32.48 | 45 |
|  |  |  |  |  |  | 81.323.20 ${ }^{1)}$ | 20 | 32.48 | 45 |

[^1]

- High-precision Power Collets with stabilization and concentricity through pilot of collet
- High torque due to form closed clamping
- No pull out and no spinning of the tool
- Groove on tool shank is directed so that the tool will be pulled into the chuck (depending on direction of rotation)
- Sealed for internal coolant

| INCH ER 16 (0.47-0.63) | $\emptyset$ D1 [inch] | Ø D2 [inch] | L [inch] |
| :---: | :---: | :---: | :---: |
| Order No. 81.163.3/8z. 7 | 3/8 | 1.001 | 1.46 |
| INCH ER 25 (0.47-0.63) | $\emptyset$ D1 [inch] | Ø D2 [inch] | L [inch] |
| Order No. 81.253.3/8z.7 | 3/8 | 1.001 | 1.46 |
| 81.253.1/2z.7 | 1/2 | 1.001 | 1.46 |
| 81.253.5/8z.7 | 5/8 | 1.001 | 1.46 |
| INCH ER 32 (0.63-0.79) | $\emptyset$ D1 [inch] | Ø D2 [inch] | L [inch] |
| 81.323.3/8z.7 | 3/8 | 1.28 | 1.77 |
| 81.323.1/2z.7 | 1/2 | 1.28 | 1.77 |
| 81.323.5/8z.7 | 5/8 | 1.28 | 1.77 |
| 81.323.3/4z.7 | 3/4 | 1.28 | 1.77 |


| METRIC ER 16 Clamping $\varnothing[\mathrm{mm}]$ | D1 | D2 | L |
| :--- | :--- | :--- | :--- |
| Order No. | $\mathbf{8 1 . 1 6 3 . 0 6 . 7}$ | 6 | 16.45 |
| $\mathbf{8 1 . 1 6 3 . 0 8 . 7}$ | 8 | 16.45 | 30 |
| $\mathbf{8 1 . 1 6 3 . 1 0 . 7}$ | 10 | 16.45 | 30 |
|  | $\mathbf{8 1 . 2 5 3 . 0 6 . 7}$ | 6 | 25.45 |
| METRIC ER 25 Clamping $\varnothing[\mathrm{mm}]$ | D1 | D2 | L |
| Order No. | $\mathbf{8 1 . 2 5 3 . 0 8 . 7}$ | 8 | 25.45 |
| $\mathbf{8 1 . 2 5 3 . 1 0 . 7}$ | 10 | 25.45 | 37 |
| $\mathbf{8 1 . 2 5 3 . 1 2 . 7}$ | 12 | 25.45 | 37 |
| $\mathbf{8 1 . 2 5 3 . 1 4 . 7}$ | 14 | 25.45 | 37 |
| $\mathbf{8 1 . 2 5 3 . 1 6 . 7}$ | 16 | 25.45 | 37 |


| METRIC ER 32 Clamping $\varnothing[\mathrm{mm}]$ | D1 | D2 | L |
| :--- | :--- | :--- | :--- |
| Order No. | $\mathbf{8 1 . 3 2 3 . 0 6 . 7}$ | 6 | 32.48 |
| $\mathbf{8 1 . 3 2 3 . 0 8 . 7}$ | 8 | 35 |  |
| $\mathbf{8 1 . 3 2 3 . 1 0 . 7}$ | 10 | 32.48 | 45 |
| $\mathbf{8 1 . 3 2 3 . 1 2 . 7}$ | 12 | 32.48 | 45 |
| $\mathbf{8 1 . 3 2 3 . 1 4 . 7}$ | 14 | 32.48 | 45 |
| $\mathbf{8 1 . 3 2 3 . 1 6 . 7}$ | 16 | 32.48 | 45 |
| $\mathbf{8 1 . 3 2 3 . 1 8 . 7}$ | 18 | 32.48 | 45 |
| $\mathbf{8 1 . 3 2 3 . 2 0 . 7}$ | 20 | 32.48 | 45 |

## COOL JET BORES FOR POWER COLLETS



Optional: Cool Jet for Power Collets

- Optimized coolant bores, aimed at center of the collet
- Coolant directly to the cutting edge
- Extended tool life up to $100 \%$
- Higher reliability of cutting process
-Eliminates chips packing and chip welding
- Available for self-sealing Power Collets


[^0]:    1) Sealed for internal coolant
[^1]:    1) Sealed for internal coolant
