

M A S TER C A T ALO G

## HAIMER.




BALANCING ARBORS


- To balance tools with cylindrical bore
- Precise center clamping for highest repeatability
- Fine balanced to < 1 gmm
- Can be used individually

| Balancing arbor | Collet | Clamping range Ø D | L |
| :---: | :---: | :---: | :---: |
| Order No. | Order No. |  |  |
| DG07, Clamping range 25-34.5 mm |  |  |  |
| 80.250.A63.070 | 80.250.07.25 | $\emptyset 25-25.5 \mathrm{~mm}$ | 100 mm |
|  | 80.250.07.26 | Ø 26-26.5 mm | 100 mm |
|  | 80.250.07.28 | $\emptyset 28-28.5 \mathrm{~mm}$ | 100 mm |
|  | 80.250.07.30 | Ø 30-30.5 mm | 100 mm |
|  | 80.250.07.32 | $\emptyset 32-32.5 \mathrm{~mm}$ | 100 mm |
|  | 80.250.07.34 | $\emptyset 34-34.5 \mathrm{~mm}$ | 100 mm |
| DG08, Clamping range 35-44.5 mm |  |  |  |
| 80.250.A63.080 | 80.250.08.35 | $\emptyset 35-35.5 \mathrm{~mm}$ | 100 mm |
|  | 80.250.08.36 | $\emptyset 36-36.5 \mathrm{~mm}$ | 100 mm |
|  | 80.250.08.38 | $\emptyset 38-38.5 \mathrm{~mm}$ | 100 mm |
|  | 80.250.08.40 | $\emptyset 40-40.5 \mathrm{~mm}$ | 100 mm |
|  | 80.250.08.42 | $\emptyset 42-42.5 \mathrm{~mm}$ | 100 mm |
|  | 80.250.08.44 | $\emptyset$ 44-44.5 mm | 100 mm |
| DG09, Clamping range 45-54.5 mm |  |  |  |
| 80.250.A63.090 | 80.250.09.45 | $\emptyset 45-45.5 \mathrm{~mm}$ | 125 mm |
|  | 80.250.09.48 | $\emptyset 48-48.5 \mathrm{~mm}$ | 125 mm |
|  | 80.250.09.50 | $\emptyset 50-50.5 \mathrm{~mm}$ | 125 mm |
|  | 80.250.09.52 | $\emptyset 52-52.5 \mathrm{~mm}$ | 125 mm |
|  | 80.250.09.54 | $\emptyset 54-54.5 \mathrm{~mm}$ | 125 mm |
| DG10, Clamping range 55-65.5 mm |  |  |  |
| 80.250.A63.100 | 80.250 .10 .55 | $\varnothing$ 55-55.5 mm | 135 mm |
|  | 80.250.10.58 | $\emptyset 58-58.5 \mathrm{~mm}$ | 135 mm |
|  | 80.250.10.60 | $\varnothing$ 60-60.5 mm | 135 mm |
|  | 80.250.10.62 | $\emptyset 62-62.5 \mathrm{~mm}$ | 135 mm |
|  | 80.250.10.65 | Ø 65-65.5 mm | 135 mm |

Please specify collet with balancing arbor order When ordering, you need one balancing arbor and one collet

## BALANCING RINGS



For fine-balancing all tool holders with cylindrical outer diameter (diam. A).
The balancing index rings have a defined unbalance in themselves. They are turned in such a position that the unbalance of the tool holder will be compensated. There are always 2 rings needed per balancing plane.

- Balancing quickly and precisely
- No damage to tool holder
- Can be repeated as often as necessary
- Simply fixed by clamping screw
- Suitable for tool holders of all brands
- The balancing machine determines the position of the rings
- Included in delivery: 2 balancing index rings with screws (without hex wrench)
- Tightening torque: $1 \mathrm{ft} \mathrm{lb}(1.4 \mathrm{Nm})$

| Order No. | Ø A [mm] | Ø A [inch] | unbalance ${ }^{1 /}$ | rpm [1/min] |
| :---: | :---: | :---: | :---: | :---: |
| 79.350 .15 | 15 | 0.59 | $14 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 55,000 |
| 79.350 .16 | 16 | 0,63 | $14 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 55,000 |
| 79.350 .17 | 17 | 0.67 | $16 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 55,000 |
| 79.350 .18 | 18 | 0.71 | $17 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 55,000 |
| 79.350 .19 | 19 | 0.75 | $19 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 55,000 |
| 79.350 .20 | 20 | 0.79 | $21 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 55,000 |
| 79.350 .22 | 22 | 0.87 | $23 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 55,000 |
| 79.350 .23 | 23 | 0.91 | $25 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 55,000 |
| 79.350 .24 | 24 | 0.94 | $27 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 55,000 |
| 79.350 .25 | 25 | 0.98 | $28 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 55,000 |
| 79.350 .26 | 26 | 1.02 | $32 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 50,000 |
| 79.350 .27 | 27 | 1.06 | $32,5 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 50,000 |
| 79.350 .28 | 28 | 1.10 | $34 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 50,000 |
| 79.350 .30 | 30 | 1.18 | $37 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 45,000 |
| 79.350 .32 | 32 | 1.26 | $43 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 45,000 |
| 79.350 .34 | 34 | 1.34 | $46 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 40,000 |
| 79.350 .35 | 35 | 1.38 | $48 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 40,000 |
| 79.350 .36 | 36 | 1.42 | $51 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 40,000 |
| 79.350 .38 | 38 | 1.50 | $56 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 35,000 |
| 79.350 .40 | 40 | 1.57 | $60 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 35,000 |
| 79.350 .42 | 42 | 1.65 | $65 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 35,000 |
| 79.350 .43 | 43 | 1.69 | $69 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 35,000 |
| 79.350.1.71Z | 43.45 | 1.71 | $68 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 35,000 |
| 79.350 .44 | 44 | 1.73 | $72 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 35,000 |
| 79.350 .46 | 46 | 1.81 | $80 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 35,000 |
| 79.350 .48 | 48 | 1.89 | $85 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 30,000 |
| 79.350 .50 | 50 | 1.97 | $90 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 30,000 |
| 79.350 .52 | 52 | 2.05 | $100 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 30,000 |
| 79.350 .53 | 53 | 2.09 | $100 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 30,000 |
| 79.350 .54 | 54 | 2.13 | $103 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 30,000 |


| Order No. | Ø A [mm] | Ø A [inch] | unbalance ${ }^{1)}$ | rpm [1/min] |
| :---: | :---: | :---: | :---: | :---: |
| 79.350 .55 | 55 | 2.17 | 105 g .mm | max. 30,000 |
| 79.350 .56 | 56 | 2.20 | $110 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 30,000 |
| 79.350 .58 | 58 | 2.28 | $120 \mathrm{~g} . \mathrm{mm}$ | max. 30,000 |
| 79.350 .60 | 60 | 2.36 | $128 \mathrm{~g} . \mathrm{mm}$ | max. 25,000 |
| 79.350 .62 | 62 | 2.44 | 132 g .mm | max. 25,000 |
| 79.350 .63 | 63 | 2.48 | $135 \mathrm{~g} . \mathrm{mm}$ | max. 25,000 |
| 79.350 .64 | 64 | 2.52 | $147 \mathrm{~g} . \mathrm{mm}$ | max. 25,000 |
| 79.350 .65 | 65 | 2.56 | $147 \mathrm{~g} . \mathrm{mm}$ | max. 25,000 |
| 79.350 .66 | 66 | 2.60 | $145 \mathrm{~g} . \mathrm{mm}$ | max. 25,000 |
| 79.350 .68 | 68 | 2.68 | $161 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 25,000 |
| 79.350 .70 | 70 | 2.76 | $165 \mathrm{~g} . \mathrm{mm}$ | max. 25,000 |
| 79.350 .72 | 72 | 2.83 | $170 \mathrm{~g} . \mathrm{mm}$ | max. 25,000 |
| 79.350 .74 | 74 | 2.91 | $184 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 25,000 |
| 79.350 .76 | 76 | 2.99 | $186 \mathrm{~g} . \mathrm{mm}$ | max. 20,000 |
| 79.350 .78 | 78 | 3.07 | $206 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 20,000 |
| 79.350 .80 | 80 | 3.15 | $215 \mathrm{~g} . \mathrm{mm}$ | max. 20,000 |
| 79.350 .82 | 82 | 3.23 | 213 g .mm | max. 20,000 |
| 79.350 .84 | 84 | 3.31 | $229 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 20,000 |
| 79.350 .86 | 86 | 3.39 | $249 \mathrm{~g} . \mathrm{mm}$ | max. 20,000 |
| 79.350 .87 | 87 | 3.43 | $256 \mathrm{~g} . \mathrm{mm}$ | max. 20,000 |
| 79.350 .88 | 88 | 3.46 | $251 \mathrm{~g} . \mathrm{mm}$ | max. 20,000 |
| 79.350 .89 | 89 | 3.50 | $260 \mathrm{~g} . \mathrm{mm}$ | max. 20,000 |
| 79.350 .90 | 90 | 3.54 | $265 \mathrm{~g} . \mathrm{mm}$ | max. 20,000 |
| 79.350 .92 | 92 | 3.62 | 275 g.mm | max. 20,000 |
| 79.350 .94 | 94 | 3.70 | 286 g .mm | max. 20,000 |
| 79.350 .96 | 96 | 3.78 | $300 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 20,000 |
| 79.350 .98 | 98 | 3.86 | 305 g .mm | max. 20,000 |
| 79.350.100 | 100 | 3.94 | $320 \mathrm{~g} \cdot \mathrm{~mm}$ | max. 15,000 |
| 79.350.125 | 125 | 4.92 | $500 \mathrm{~g} . \mathrm{mm}$ | max. 15,000 |

[^0]Additional sizes may be available - please contact Haimer USA for more information

## SET OF BALANCING SCREWS



For fine-balancing of all tool holders with balancing threads M6 (e.g. shrink fit chucks from HAIMER).

The screws have different weights in a fine graduation.
They are screwed into the balancing threads of the tool holder so that their weight compensates the unbalance of the tool holder.

- Set consisting of screws in 11 different sizes and weights
- Screws are screwed to the bottom of the thread and tightened.

No additional fixing of screws necessary

- Balance quickly and precisely
- No damage to tool holders
- Can be repeated as often as necessary
- Suitable for tool holders of all brands
- The balancing machine calculates the necessary weight of the screws (e.g. HAIMER Tool Dynamic)
- Included in delivery: Case with $11 \times 10$ balancing screws, screw driver

| Accessories | Order No. |
| :--- | ---: |
| Set of Balancing Screws | 80.203 .00 |

HEAVY METAL BALANCING SCREWS


Heavy metal balancing screws (thread M6) for manual balancing of tool holders.

| Length L [mm] |  | 07 | 07 | 08 | 08 | 10 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Size G [mm] |  | M6x7 | $\begin{aligned} & \text { M6x7 } \\ & \text { (5 pcs.) } \end{aligned}$ | M6x8 | M6x8 <br> (5 pcs.) | M6x10 | M6x10 <br> (5 pcs.) |
| Mass |  | ca. 2.3 g | ca. 2.3 g | ca. 2.7 g | ca. 2.7 g | ca. 3.5 g | ca. 3.5 g |
| Order No. | 85.502... | . 7.0 | .7.0.SET | .8.0 | .8.0.SET | . 10.0 | .10.0.SET |


[^0]:    1) Unbalance $g$. mm are reference values, small variances possible
