# YG REAMERS

**K2101 SERIES**

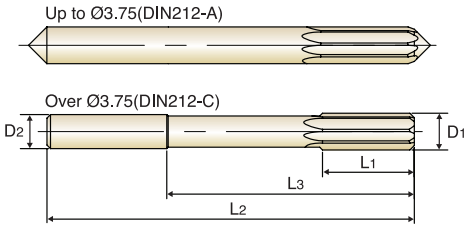
## HSS-E, STRAIGHT SHANK CHUCKING REAMERS - STRAIGHT FLUTES

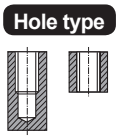
HSS-E, MASCHINENREIBAHLE mit ZYLINDERSCHAFT - GERADEGENUTET
ALÉSOIRS HSS-E MACHINE DROIT- ENTRÉE DROITE
ALESATORI IN HSS-E, ATTACCO CILINDRICO - ELICA DRITTA

- O.D. Tolerances : DIN 1420 for H7
- Shank Diameter Tolerances : h8
- Straight Flute / Right Hand Cut
- Chamfer Angle - Up to Ø3.75 : 15°
  - Over Ø3.75 : 45°

- Schneiden-Ø Toleranzen : DIN 1420 für H7
- Schaft-Ø Toleranzen : h8
- Geradegenutet / Rechtsschneidend
- Anschnittwinkel - bis Ø3,75 mm : 15°
  - über Ø3,75 mm : 45°






HSS-E | DIN 212 | H7 | 15° (up to Ø3.75) | 45° (over Ø3.75) | Bright | p.A406

Recommended ToolHolder | Plain Shank | ER COLLET CHUCK

Unit : mm

| EDP No. | Reamer Diameter D1 | Shank Diameter D2 | Cutting Length L1 | Neck Length L3 | Overall Length L2 | No. of Flute |
|---|---|---|---|---|---|---|
| K210100200 | 2.0 | 2 | 11 | - | 49 | 4 |
| K210100220 | 2.2 | 2.2 | 12 | - | 53 | 4 |
| K210100250 | 2.5 | 2.5 | 14 | - | 57 | 4 |
| K210100260 | 2.6 | 2.6 | 14 | - | 57 | 4 |
| K210100280 | 2.8 | 2.8 | 15 | - | 61 | 4 |
| K210100300 | 3.0 | 3 | 15 | - | 61 | 6 |
| K210100310 | 3.1 | 3.1 | 16 | - | 65 | 6 |
| K210100320 | 3.2 | 3.2 | 16 | - | 65 | 6 |
| K210100350 | 3.5 | 3.5 | 18 | - | 70 | 6 |
| K210100360 | 3.6 | 3.6 | 18 | - | 70 | 6 |
| K210100370 | 3.7 | 3.7 | 18 | - | 70 | 6 |
| K210100400 | 4.0 | 4 | 19 | 42 | 75 | 6 |
| K210100430 | 4.3 | 4.5 | 21 | 46 | 80 | 6 |
| K210100450 | 4.5 | 4.5 | 21 | 46 | 80 | 6 |
| K210100460 | 4.6 | 4.5 | 21 | 46 | 80 | 6 |
| K210100500 | 5.0 | 5 | 23 | 51 | 86 | 6 |
| K210100550 | 5.5 | 5.6 | 26 | 56 | 93 | 6 |
| K210100560 | 5.6 | 5.6 | 26 | 56 | 93 | 6 |
| K210100600 | 6.0 | 5.6 | 26 | 56 | 93 | 6 |
| K210100650 | 6.5 | 6.3 | 28 | 62 | 101 | 6 |
| K210100700 | 7.0 | 7.1 | 31 | 68 | 109 | 6 |
| K210100720 | 7.2 | 7.1 | 31 | 68 | 109 | 6 |
| K210100800 | 8.0 | 8 | 33 | 74 | 117 | 6 |
| K210100830 | 8.3 | 8 | 33 | 74 | 117 | 6 |
| K210100850 | 8.5 | 8 | 33 | 74 | 117 | 6 |
| K210100900 | 9.0 | 9 | 36 | 80 | 125 | 6 |

▶ NEXT PAGE

◎ : Excellent ○ : Good

| ISO | P | | | | | | | | | | | M | | | K | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Material Description | Non-alloy steel | | | | | Low alloy steel | | | | High alloyed steel, and tool steel | | Stainless steel | | | Grey cast iron | | Nodular cast iron | | Malleable cast iron | |
| VDI 3323 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| HRc | | 13 | 25 | 28 | 32 | 10 | 29 | 32 | 38 | 15 | 35 | 15 | 23 | 10 | 10 | 26 | 3 | 25 | | 21 |
| HB | 125 | 190 | 250 | 270 | 300 | 180 | 275 | 300 | 350 | 200 | 325 | 200 | 240 | 180 | 180 | 260 | 160 | 250 | 130 | 230 |
| Recommended | ◎ | ◎ | ○ | ○ | | ◎ | ○ | | | ○ | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

| ISO | N | | | | | | | | | | S | | | | | | | H | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Material Description | Aluminum-wrought alloy | | Aluminum-cast, alloyed | | | Copper and Copper Alloys (Bronze / Brass) | | | Non Metallic Materials | | Heat Resistant Super Alloys | | | | | Titanium Alloys | | Hardened steel | | Chilled Cast Iron | Hardened Cast Iron |
| VDI 3323 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 |
| HRc | | | | | | | | | | | 15 | 30 | 25 | 38 | 34 | | | 55 | 60 | 42 | 55 |
| HB | 60 | 100 | 75 | 90 | 130 | 110 | 90 | 100 | | | 200 | 280 | 250 | 350 | 320 | 400 Rm | 1050 Rm | 550 | 630 | 400 | 550 |
| Recommended | ○ | ○ | ○ | ○ | | ○ | ○ | ○ | | | | | | | | | | | | | |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YG-1 CO., LTD.

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HSS-E, MASCHINENREIBAHLE mit ZYLINDERSCHAFT - GERADEGENUTET

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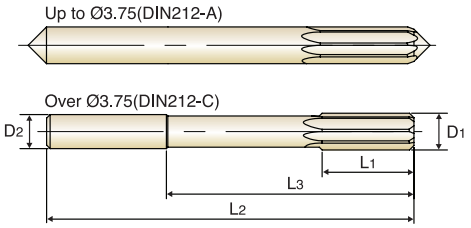


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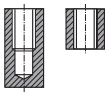

HSS-E | DIN 212 | H7 | 15° | 45° | Bright

up to Ø3.75 over Ø3.75

p.A406

Recommended ToolHolder — Plain Shank — ER COLLET CHUCK

Unit : mm

| EDP No. | Reamer Diameter D1 | Shank Diameter D2 | Cutting Length L1 | Neck Length L3 | Overall Length L2 | No. of Flute |
|---|---|---|---|---|---|---|
| K210100950 | 9.5 | 9 | 36 | 80 | 125 | 6 |
| K210101000 | 10.0 | 10 | 38 | 86 | 133 | 6 |
| K210101050 | 10.5 | 10 | 38 | 86 | 133 | 6 |
| K210101100 | 11.0 | 10 | 41 | 95 | 142 | 6 |
| K210101200 | 12.0 | 10 | 44 | 104 | 151 | 6 |
| K210101300 | 13.0 | 10 | 44 | 104 | 151 | 6 |
| K210101400 | 14.0 | 12.5 | 47 | 108 | 160 | 8 |
| K210101500 | 15.0 | 12.5 | 50 | 110 | 162 | 8 |
| K210101600 | 16.0 | 12.5 | 52 | 118 | 170 | 8 |
| K210101700 | 17.0 | 14 | 54 | 121 | 175 | 8 |
| K210101800 | 18.0 | 14 | 56 | 128 | 182 | 8 |
| K210101900 | 19.0 | 16 | 58 | 129 | 189 | 8 |
| K210102000 | 20.0 | 16 | 60 | 135 | 195 | 8 |

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| HRc | | 13 | 25 | 28 | 32 | 10 | 29 | 32 | 38 | 15 | 35 | 15 | 23 | 10 | 10 | 26 | 3 | 25 | | 21 |
| HB | 125 | 190 | 250 | 270 | 300 | 180 | 275 | 300 | 350 | 200 | 325 | 200 | 240 | 180 | 180 | 260 | 160 | 250 | 130 | 230 |
| Recommended | ◎ | ◎ | ○ | ○ | | ◎ | ○ | | | ○ | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

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| HRc | | | | | | | | | | | 15 | 30 | 25 | 38 | 34 | | | 55 | 60 | 42 | 55 |
| HB | 60 | 100 | 75 | 90 | 130 | 110 | 90 | 100 | | | 200 | 280 | 250 | 350 | 320 | 400Rm | 1050Rm | 550 | 630 | 400 | 550 |
| Recommended | ○ | ○ | ○ | ○ | | ○ | ○ | ○ | | | | | | | | | | | | | |