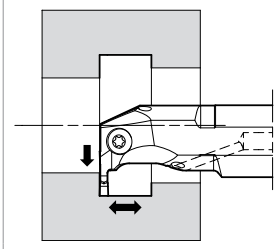
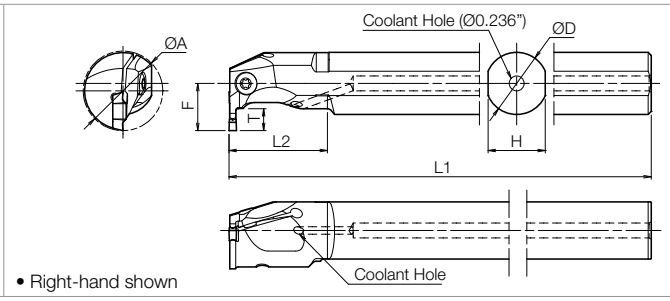
для заказа - kyocera@kyocera-tools.ru



NEW ITEMS!

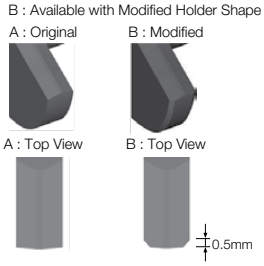
## KGDI NEW






• Right-hand shown

A : Available with Original Holder Shape
B : Available with Modified Holder Shape (Below)




### Toolholder Dimensions

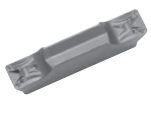
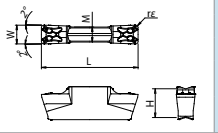
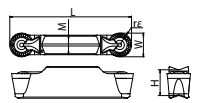
| Part Number | | Stock R | Stock L | Unit | Min. Bore Dia. ØA GMI | Min. Bore Dia. ØA CM | ØD | H | L1 | L2 | F | T | Edge Width W MIN | Edge Width W MAX | Spare Parts: Clamp Screw | Spare Parts: Clamp Screw | Spare Parts: Wrench | Spare Parts: Wrench |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KGDIR | 10B-2 | ● | | inch | 0.709 | - | 0.625 | 0.591 | 6 | 0.984 | 0.374 | 0.177 | 0.079 | 0.079 | GS-50 | - | LW-3 | - |
| | 12B-2 | ● | | | 0.984 | | 0.75 | 0.709 | 7 | 1.181 | 0.571 | 0.236 | 0.079 | 0.079 | | | | |
| | 16B-2 | ● | | | 1.260 | | 1 | 0.906 | 8 | 1.575 | 0.748 | 0.276 | 0.079 | 0.079 | - | SB-5TR | - | LTW-20 |
| KGDIR | 10B-3 | ● | | | 0.787 | 0.827 | 0.625 | 0.591 | 6 | 0.984 | 0.453 | 0.217 | 0.118 | 0.118 | GS-50 | - | LW-3 | - |
| | 12B-3 | ● | | | 0.984 | 1.024 | 0.75 | 0.709 | 7 | 1.181 | 0.571 | 0.236 | 0.118 | 0.118 | | | | |
| | 16B-3 | ● | | | 1.260 | 1.299 | 1 | 0.906 | 8 | 1.575 | 0.748 | 0.315 | 0.118 | 0.118 | - | SB-5TR | - | LTW-20 |
| KGDIR | 16B-4 | ● | | | 1.260 | A: 1.575 B: 1.299 | 1 | 0.906 | 8 | 1.575 | 0.748 | 0.335 | 0.157 | 0.197 | - | SB-5TR | - | LTW-20 |
| | 20B-4 | ● | | | 1.575 | A: 1.890 B: 1.614 | 1.25 | 1.142 | 8.5 | 1.969 | 0.925 | 0.433 | 0.157 | 0.197 | | | | |
| KGDIR | 16B-5 | ● | | | 1.260 | A: 1.457 B: 1.338 | 1 | 0.906 | 8 | 1.575 | 0.748 | 0.335 | 0.197 | 0.197 | - | SB-5TR | - | LTW-20 |
| | 20B-5 | ● | | | 1.575 | A: 1.772 B: 1.653 | 1.25 | 1.142 | 8.5 | 1.969 | 0.925 | 0.433 | 0.197 | 0.197 | | | | |
| KGDIR※ | 1816B-2 | ○ | ○ | mm | 18 | - | 16 | 15 | 150 | 25 | 9.5 | 4.5 | 2 | 2 | GS-50 | - | LW-3 | - |
| | 2520B-2 | ○ | ○ | | 25 | | 20 | 18 | 180 | 30 | 14.5 | 6 | 2 | 2 | | | | |
| | 3225B-2 | ○ | ○ | | 32 | | 25 | 23 | 200 | 40 | 19 | 7 | 2 | 2 | - | SB-5TR | - | LTW-20 |
| KGDIR※ | 2016B-3 | ○ | ○ | | 20 | 21 | 16 | 15 | 150 | 25 | 11.5 | 5.5 | 3 | 3 | GS-50 | - | LW-3 | - |
| | 2520B-3 | ○ | ○ | | 25 | 26 | 20 | 18 | 180 | 30 | 14.5 | 6 | 3 | 3 | | | | |
| | 3225B-3 | ○ | ○ | | 32 | 33 | 25 | 23 | 200 | 40 | 19 | 8 | 3 | 3 | - | SB-5TR | - | LTW-20 |
| KGDIR※ | 3225B-4 | ○ | ○ | | 32 | 40 (34*) | 25 | 23 | 200 | 40 | 19 | 8.5 | 4 | 5 | - | SB-5TR | - | LTW-20 |
| | 4032B-4 | ○ | ○ | | 40 | 48 (42*) | 32 | 29 | 220 | 50 | 23.5 | 11 | 4 | 5 | | | | |
| KGDIR※ | 3225B-5 | ○ | ○ | | 32 | 37 (34*) | 25 | 23 | 200 | 40 | 19 | 8.5 | 5 | 5 | - | SB-5TR | - | LTW-20 |
| | 4032B-5 | ○ | ○ | | 40 | 45 (42*) | 32 | 29 | 220 | 50 | 23.5 | 11 | 5 | 5 | | | | |

* Possible by slightly chamfering toolholder's tip about 0.5 mm

## Applicable Inserts

Classification of Usage
● : Light Interruption / 1st Choice
◔ : Light Interruption / 2nd Choice
● : Continuous / 1st Choice
○ : Continuous / 2nd Choice

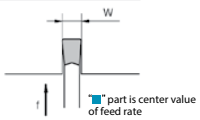
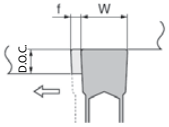
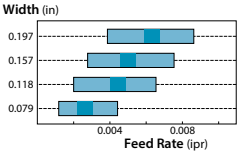
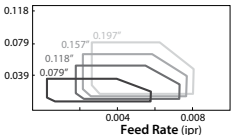
| | | | | | |
|---|---|---|---|---|---|
| P | Carbon Steel / Alloy Steel | ● | ◔ | ● | ◔ |
| M | Stainless Steel | | ● | ◔ | ◔ |
| K | Cast Iron | | | | ● |

| Insert | | Part Number | Dimensions (in) W in | W mm | rε | M | L | H | Cermet TN620 | MEGACOAT NANO PR1535 | MEGACOAT PR1225 | MEGACOAT PR1215 | Applicable Toolholders |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  | GDM 2013N-020GMI | 0.079 | 2.0 | 0.008 | 0.059 | 0.531 | 0.169 | ○ | ● | ● | ○ | KGDI※...-2 |
| | | 3015N-040GMI | 0.118 | 3.0 | 0.016 | 0.094 | 0.610 | 0.181 | ○ | ● | ● | ○ | KGDI※...-3 |
| | | 4020N-040GMI | 0.157 | 4.0 | 0.016 | 0.134 | 0.787 | 0.169 | ○ | ● | ● | ○ | KGDI※...-4 |
| | | 5020N-040GMI | 0.197 | 5.0 | 0.016 | 0.173 | 0.787 | 0.169 | ○ | ● | ● | ○ | KGDI※...-4 ...-5 |
| | | 5020N-080GMI | 0.197 | 5.0 | 0.031 | 0.173 | 0.787 | 0.169 | ○ | ● | ● | ○ | KGDI※...-4 ...-5 |
|  |  | GDM 3015N-150R-CM | 0.118 | 3.0 | 0.059 | 0.091 | 0.642 | 0.181 | ○ | ● | ● | ○ | KGDI※...-3 |
| | | 4020N-200R-CM | 0.157 | 4.0 | 0.079 | 0.130 | 0.787 | 0.169 | ○ | ● | ● | ● | KGDI※...-4 |
| | | 5020N-250R-CM | 0.197 | 5.0 | 0.098 | 0.165 | 0.827 | 0.169 | ○ | ● | ● | ● | KGDI※...-4 ...-5 |

* Tolerance: ±0.03mm for W = 2.0 and 3.0 and 4.0, ±0.04mm for W = 5.0

## Recommended Cutting Conditions

| Workpiece Material | Chipbreaker | Recommended Insert Grade (Vc sfm) Cermet TN620 | MEGACOAT NANO PR1535 | MEGACOAT PR1225 | MEGACOAT PR1215 | Notes |
|---|---|---|---|---|---|---|
| Carbon Steel | GMI CM | ☆ 330~720 | ☆ 260~490 | ★ 260~660 | ☆ 330~660 | Wet |
| Alloy Steel | | ☆ 260~660 | ☆ 230~490 | ★ 230~590 | ☆ 260~590 | |
| Stainless Steel | | ☆ 230~590 | ★ 200~490 | ★ 200~490 | ☆ 200~490 | |
| Cast Iron | | - | - | - | ★ 330~660 | |

| Chipbreaker | Grooving | Turning |
|---|---|---|
| |  "■" part is center value of feed rate |  |
| GMI (General Purpose) |  Width (in) 0.197 0.157 0.118 0.079 0.004 0.008 Feed Rate (ipr) |  D.O.C. (in) 0.118 0.079 0.039 0.157" 0.197" 0.118" 0.079" 0.004 0.008 Feed Rate (ipr) |

kyocera@kyocera-tools.ru
www.kyocera-tools.ru

● : U.S. Stock Standard
○ : World Express (Shipping: 7-10 Business Days)