

Diamond 35° Inserts

35°ひし形インサート

| 被削材 Work material | | ●: 一般切削・第一推奨 General cutting, First recommended | | ○: 一般切削・第二推奨 General cutting, Second recommended | | コーティング Coated | | | | | | | | | | | | コートセラメット Coated Cermet | | ノンコート Non-Coated | |
|---------------------------|-----------------|--|---------------------------------|---|--|---------------------------|---------------------------|--------|--------|-------|--------|--------|--------|--------|-----------------|-----------------|--------|---------------------------|-------|---------------------|---|
| | | P 鋼 Carbon steels | M SUS等 SUS, etc. | K FC・FCD | N アルミニウム合金 Aluminum Alloy | S チタン合金 Titanium Alloy | H 高硬度材 Hardened steels | HGコート | iPコート | GMコート | iPコート | GXコート | HXコート | CYコート | サーメット Cermet | サーメット Cermet | | | | | |
| 区分 Group | ブレーカ Breaker | ブレーカ断面形状 Breaker cross-section shape | 切りくず処理領域 Chip removal region | 商品コード (メートル系) Item Code (metric) | コーナ 半径 r_n Nose radius (mm) | HG8010 | HG8025 | iP2000 | iP3000 | GM25 | GM8020 | GM8035 | iP050S | iP100S | GX30 | HX3505 | HX3515 | CZ25 | CH550 | | |
| 仕上切削 For Finishing | FE | | | VNMG160404-FE | 0.4 | ● | ● | | | | | | | | | | | ● | | | |
| | | | | VNMG160408-FE | 0.8 | ● | ● | | | | | | | | | | | | | | |
| | BE | | | VNMG160404-BE | 0.4 | | | | | ● | ● | | | | | | | | | | |
| | | | | VNMG160408-BE | 0.8 | | | | | ● | ● | | | | | | | | | | |
| | | | | VNMG160412-BE | 1.2 | | | | | | | | | | | | | | | | |
| | BH | | | VNMG160404-BH | 0.4 | ● | ● | ● | | | | | | | | | | | | | |
| VNMG160408-BH | | | | 0.8 | ● | ● | ● | | | | | | | | | | | | | | |
| 半切削 For Semi finishing | AB | | | VNMG160404-AB | 0.4 | ● | ● | ● | | ● | | | | | | | | | | | |
| | | | | VNMG160408-AB | 0.8 | ● | ● | ● | | ● | ● | ● | | | | | | | | | |
| | CE | | | VNMG160404-CE | 0.4 | | | | | | | | | | | | | ● | | | |
| 仕上切削 For Finishing | MP | | | VNMG160404-MP | 0.4 | - | - | - | - | - | - | - | ● | - | - | - | - | - | - | | |
| | | | | VNMG160408-MP | 0.8 | - | - | - | - | - | - | - | - | - | ● | - | - | - | - | - | - |
| 中切削 For Medium cutting | PV | | | VNMG160404-PV | 0.4 | | | | | | | | | | ● | | | | | | |
| | | | | VNMG160408-PV | 0.8 | | | | | | | | | | | ● | | | | | |
| | | | | VNMG160412-PV | 1.2 | | | | | | | | | | | | ● | | | | |
| | V | | | VNMG160404-V | 0.4 | ● | | | | ● | | | | | | ● | ● | ● | ● | ● | |
| | | | | VNMG160408-V | 0.8 | ● | | | | ● | | | | | | | ● | ● | ● | ● | ● |
| VNMG160412-V | | | | 1.2 | ● | | | | ● | | | | | | | | ● | ● | ● | ● | ● |
| VA | | | VNMG160404-VA | 0.4 | ● | | | | | | | | | | | | ● | | | | |
| VNMG160408-VA | 0.8 | ● | | | | | | | | | | | | | | | ● | | | | |
| VNMG160412-VA | 1.2 | ● | | | | | | | | | | | | | | | | ● | | | |

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 ●: Stocked Items. No Mark: Manufactured upon request only. -: Not Manufactured.

Diamond 35° Inserts

35°ひし形インサート

| 被削材 Work material | | ●：一般切削・第一推奨 General cutting, First recommended ◎：一般切削・第二推奨 General cutting, Second recommended | | P | 鋼 | Carbon steels | ● | ● | ● | ● | ● | ● | ● | ● | ◎ | ◎ | ◎ | ◎ | ◎ | | | | | | | | | | |
|-----------------------------------|----------------------------|---|---|--|--|------------------------------------|---------------|--------|--------|-------|--------|--------|--------|--------|------|--------|--------|-----------------------------|--------|------|---|---|---|---|---|---|---|---|--|
| | | | | M | SUS等 | SUS, etc. | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | | | | | | | | |
| 区分 Group | | ブレーカ Breaker | ブレーカ断面形状 Breaker cross-section shape | 切りくず処理領域 Chip removal region | 商品コード (メートル系) Item Code (metric) | コーナ半径 r_n Nose radius (mm) | コーティング Coated | | | | | | | | | | | コーテッドセラメット Coated Cermet | | | | | | | | | | | |
| | | | | | | | HGコート | IPコート | GMコート | IPコート | GXコート | HXコート | Cコート | PCA12M | CZ25 | ◎ | ◎ | | | | | | | | | | | | |
| | | | | | | HG8010 | HG8025 | IP2000 | IP3000 | GM25 | GM8020 | GM8035 | IP050S | IP100S | GX30 | HX3505 | HX3515 | PCA10E | PCA12M | CZ25 | ◎ | ◎ | | | | | | | |
| 汎用切削 For General cutting | 無し Non Breaker | | | — | VNMA160404 | 0.4 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VNMA160408 | 0.8 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VNMA160412 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | |
| 汎用切削 For General cutting | 研ぎ付け Handed ground type | | | 汎用 General | VNMG160404L-M | 0.4 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VNMG160404R-M | 0.4 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VNMG160408L-M | 0.8 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VNMG160408R-M | 0.8 | | | | | | | | | | | | | | | | | | | | | | | |
| 精密仕上切削 For Precision Finishing | 研ぎ付け Handed ground type | | | 低切込み 仕上げ加工 Shallow depth finishing | VPET0802003FL | 0.03 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VPET0802003FR | 0.03 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VPET080201FL | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VPET080201FR | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VPET080202FL | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VPET080202FR | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VPET1103003FL | 0.03 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VPET1103003FR | 0.03 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VPET110301FL | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VPET110301FR | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VPET110302FL | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | VPET110302FR | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| 仕上切削 For Finishing | MP | | | — | VBMT110304-MP | 0.4 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| | | | | | VBMT110308-MP | 0.8 | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| | | | | | VBMT160404-MP | 0.4 | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | | | | | VBMT160408-MP | 0.8 | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | | | | | VCMT110302-MP | 0.2 | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | | | | | VCMT110304-MP | 0.4 | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | | | | | VCMT110308-MP | 0.8 | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | | | | | VCMT160404-MP | 0.4 | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| VCMT160408-MP | 0.8 | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 仕上切削 For Finishing | JQ | | | — | VBMT110304-JQ | 0.4 | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | |
| | | | | | VBMT110308-JQ | 0.8 | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | |
| | | | | | VBMT160404-JQ | 0.4 | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | |
| | | | | | VBMT160408-JQ | 0.8 | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | |
| 中切削 For Medium cutting | JE | | | — | VCMT160404-JE | 0.4 | ● | ● | ● | ● | ● | | | | | | | | | | | | | ● | | | | | |
| | | | | | VCMT160408-JE | 0.8 | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | |
| | | | | | VBMT110304-JE | 0.4 | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | |
| | | | | | VBMT110308-JE | 0.8 | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | |
| | | | | | VBMT160404-JE | 0.4 | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | |
| VBMT160408-JE | 0.8 | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | |

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