

VNMG neg. Inserts for Finishing & Medium Cutting

DIAMOND TYPE INSERTS FOR TURNING

35° Diamond Type 0° Relief
With Insert Hole



| Dimensions (mm) | | | | |
|-----------------|------|---------|------|------|
| VN-- | l | ød (IC) | s | d1 |
| 1604-- | 16,6 | 9,525 | 4,76 | 3,81 |



⇒ D16

P Steel
M Stainless Steel
K Cast Iron
N Non-Ferrous Metals
S Super Alloy
H Hardened Steel

VNMA

● M-Class No Chipbreaker

| Application | Shape | ISO Cat. No. | r |
|-------------|-------|---|-------------------|
| Roughing | | VNMA 160404 VNMA 160408 VNMA 160412 | 0,4 0,8 1,2 |

| Carbide | | | | | | | | | | | | | Cermet | | | Carbide | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|---------|----------------|--------|----------------|----------------|----------------|--------|----------|--------|--------|---------|--------|--------|--------|--------|--------|------|-------|-------|----|
| Coated | | | | | | | | | ZX-Coated | | | | Uncoated | | | | | | | | | | | | |
| | | P | | | | M | P _M | K | K _S | M _S | P _M | | P | | | K | S | N | | | | | | | |
| AC805P | AC810P | AC820P | AC830P | AC2000 | AC3000 | AC6030M | AC6040M | AC610M | AC630M | AC405K | AC415K | AC420K | AC900G | AC510U | AC520U | AC530U | T1500Z | T2000Z | T3000Z | T1000A | T1500A | G10E | EH510 | EH520 | H1 |
| | | | | | | | | | | ● | ● | ● | | | | | | | | | | | | | |

VN_G

● G/M-Class Double Sided Bumpy Chipbreaker

| Application | Shape | ISO Cat. No. | r |
|----------------|---------|---|-------------------|
| Fine Finishing | NFA | VNMG 160404 NFA VNMG 160408 NFA | 0,4 0,8 |
| Fine Finishing | NFL | VNMG 160404 NFL VNMG 160408 NFL | 0,4 0,8 |
| Finishing | NLU | VNMG 160402 NLU VNMG 160404 NLU VNMG 160408 NLU | 0,2 0,4 0,8 |
| Medium Cut | NEF | VNMG 160402 NEF VNMG 160404 NEF VNMG 160408 NEF | 0,2 0,4 0,8 |
| Finishing | NSU | VNMG 160402 NSU VNMG 160404 NSU VNMG 160408 NSU | 0,2 0,4 0,8 |
| Medium Cut | NSE | VNMG 160404 NSE VNMG 160408 NSE | 0,4 0,8 |
| Medium Cut | NSX | VNMG 160404 NSX VNMG 160408 NSX | 0,4 0,8 |

| Carbide | | | | | | | | | | | | Cermet | | | Carbide | | | | | | | | | | |
|---------|--------|--------|--------|--------|----------------|---------|---------|--------|--------|----------------|----------------|----------------|----------|--------|---------|--------|--------|--------|--------|--------|--------|------|-------|-------|----|
| Coated | | | | | | | | | | ZX-Coated | | | Uncoated | | | | | | | | | | | | |
| P | | | M | | P _M | | K | | | K _S | M _S | P _M | P | | K | S | H | | | | | | | | |
| AC805P | AC810P | AC820P | AC830P | AC2000 | AC3000 | AC6030M | AC6040M | AC610M | AC630M | AC405K | AC415K | AC420K | AC900G | AC510U | AC520U | AC530U | T1500Z | T2000Z | T3000Z | T1000A | T1500A | G10E | EH510 | EH520 | H1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

● = Euro stock
○ = Stock item in Japan
▲ = To be replaced by new item