

Indexable Inserts For Grooving

■ GROOVING INSERTS

| TNMA NG | | | Cermet | | | | Uncoated | | | | Dimensions (Inches) | | | | Insert Hole |
|-----------------|-------------------|------------------|--------|--|--|--|----------|--|--|--|---------------------|-----------|-------|------------------|-------------|
| | Sumitomo Cat. No. | New ISO Cat. No. | | | | | | | | | Inscribed Circle | Thickness | Width | Insert Hole Dia. | Application |
| TNMA 32 NGR1/16 | — | | | | | | | | | | 3/8 | 1/8 | 1/16 | .150 | |
| TNMA 32 NGR3/32 | — | | | | | | | | | | | | 3/32 | | |
| TNMA 32 NGR1/8 | — | | | | | | | | | | | | 1/8 | | |
| TNMA 32 NGL1/16 | — | | | | | | | | | | | | 1/16 | | |
| TNMA 32 NGL3/32 | — | | | | | | | | | | | | 3/32 | | |
| TNMA 43 NGR1/8 | — | | | | | | | | | | 1/8 | .2031 | | | |
| TNMA 43 NGR5/32 | — | | | | | | | | | | 5/32 | | | | |
| TNMA 43 NGR3/16 | — | | | | | | | | | | 3/16 | | | | |
| TNMA 43 NGL1/8 | — | | | | | | | | | | 1/8 | | | | |
| TNMA 43 NGL5/32 | — | | | | | | | | | | 5/32 | | | | |

General Info

Negative Inserts

Positive Inserts

Ace-Fix Inserts

Threading, Grooving, & Cut-Off Inserts

| TNMC NG | | | Cermet | | | | Uncoated | | | | Dimensions (Inches) | | | | Insert Hole |
|----------------|-------------------|------------------|--------|--|--|--|----------|--|--|--|---------------------|-----------|-------|------------------|-------------|
| | Sumitomo Cat. No. | New ISO Cat. No. | | | | | | | | | Inscribed Circle | Thickness | Width | Insert Hole Dia. | Application |
| TNMC 32NGR1/16 | — | | | | | | | | | | 3/8 | 1/8 | 1/16 | .150 | |
| TNMC 32NGR3/32 | — | | | | | | | | | | | | 3/32 | | |
| TNMC 32NGR1/8 | — | | | | | | | | | | | | 1/8 | | |
| TNMC 32NGL1/16 | — | | | | | | | | | | | | 1/16 | | |
| TNMC 32NGL3/32 | — | | | | | | | | | | | | 3/32 | | |
| TNMC 43NGR1/8 | — | | | | | | | | | | 1/8 | .2031 | | | |
| TNMC 43NGR5/32 | — | | | | | | | | | | 5/32 | | | | |
| TNMC 43NGR3/16 | — | | | | | | | | | | 3/16 | | | | |
| TNMC 43NGL1/8 | — | | | | | | | | | | 1/8 | | | | |
| TNMC 54NGR | — | | | | | | | | | | 5/8 | | .250 | | |
| TNMC 54NGL | — | | | | | | | | | | 1/4 | | | | |
| TNMC 64NGR | — | | | | | | | | | | | | | | |
| TNMC 64NGL | — | | | | | | | | | | 3/4 | | | | |

Ceramic Inserts

PCBN & PCD Inserts

Toolholders

Swiss Toolholders

Boring Bars

Technical Info

ALMT

Indexable Inserts For Grooving

General Info

Negative Inserts

Positive Inserts

Ace-Fix Inserts

Threading, Grooving, & Cut-Off Inserts

Ceramic Inserts

PCBN & PCD Inserts

Toolholders

Swiss Toolholders

Boring Bars

Technical Info

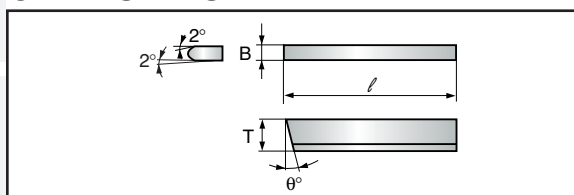
ALMT

| TPMA | NG | | Cermet | | | | Uncoated | | Dimensions (Inches) | | | | Insert Hole |
|-------------------|------------------|--|--------|--|--|--|----------|-------|---------------------|-----------|-------|------------------|-------------|
| | | | | | | | G10E | ST30E | Inscribed Circle | Thickness | Width | Insert Hole Dia. | Application |
| Sumitomo Cat. No. | New ISO Cat. No. | | | | | | | | | | | | |
| TPMA 32NGR1/16 | — | | | | | | ▲ | ▲ | 3/8 | 1/8 | 1/16 | .150 | — |
| TPMA 32NGR3/32 | — | | | | | | ▲ | ▲ | | | 3/32 | | |
| TPMA 32NGR1/8 | — | | | | | | ▲ | ▲ | | | 1/8 | | |
| TPMA 32NGL1/16 | — | | | | | | | ▲ | | | 1/16 | | |
| TPMA 43NGR1/8 | — | | | | | | ▲ | ▲ | | | 1/8 | | |
| TPMA 43NGR3/16 | — | | | | | | ▲ | | 1/2 | 3/16 | 3/16 | .2031 | |
| TPMA 43NGL1/8 | — | | | | | | ▲ | | | | 1/8 | | |
| TPMA 54NGR | — | | | | | | | | 5/8 | 1/4 | | .250 | |
| TPMA 54NGL | — | | | | | | | | | | | | |

| TPMC | NG | | Cermet | | | | Uncoated | | Dimensions (Inches) | | | | Insert Hole |
|-------------------|------------------|--|--------|--|--|--|----------|------|---------------------|-----------|-------|------------------|-------------|
| | | | | | | | ST30E | G10E | Inscribed Circle | Thickness | Width | Insert Hole Dia. | Application |
| Sumitomo Cat. No. | New ISO Cat. No. | | | | | | | | | | | | |
| TPMC 32NGR1/16 | — | | | | | | ▲ | ▲ | 3/8 | 1/8 | 1/16 | .150 | — |
| TPMC 32NGR3/32 | — | | | | | | ● | | | | 3/32 | | |
| TPMC 32NGR1/8 | — | | | | | | | | | | 1/8 | | |
| TPMC 32NGL1/16 | — | | | | | | | | | | 1/16 | | |
| TPMC 43NGR1/8 | — | | | | | | ▲ | ▲ | | | 1/8 | | |
| TPMC 43NGR3/16 | — | | | | | | ▲ | ▲ | 1/2 | 3/16 | 3/16 | .2031 | |
| TPMC 43NGL1/8 | — | | | | | | | ▲ | | | 1/8 | | |
| TPMC 43NGL5/32 | — | | | | | | ▲ | | | | 5/32 | | |
| TPMC 54NGR | — | | | | | | | | 5/8 | | | .150 | |
| TPMC 54NGL | — | | | | | | | | | 1/4 | | | |
| TPMC 64NGR | — | | | | | | | | 3/4 | | | .3126 | |
| TPMC 64NGL | — | | | | | | | | | | | | |

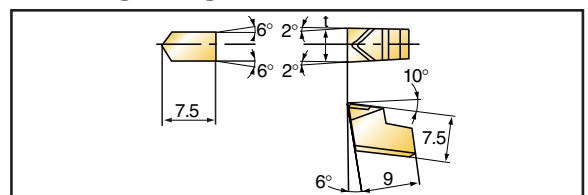
GROOVING INSERTS FOR CF AND PFE HOLDERS

CFB INSERTS



| Insert Cat. No. | Uncoated | | Dimensions (Inches) | | Holder Cat. No. |
|-----------------|----------|------|---------------------|------|-----------------|
| | ST30E | G10E | B | T | |
| CFB3 | ● | ● | .118 | 3/16 | CF3-3 |
| CFB3T | | ● | | | |
| CFB5 | | ● | | | |
| CFB5T | | ● | .118 | 3/16 | CF4-5 |

PFT INSERTS



| Insert Cat. No. | Coated | | Dimensions (Inches) | | Holder Cat. No. |
|-----------------|--------|--|---------------------|--|-----------------|
| | AC2000 | | T | | |
| PFT03 | ● | | .118 | | PFER 160-3 |
| PFT04 | ● | | .157 | | PFER 160-4 |
| PFT05 | ● | | .157 | | PFER 160-5 |