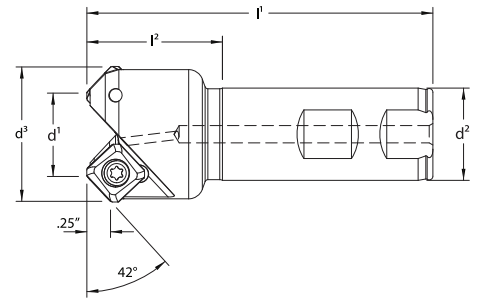


# TSN45

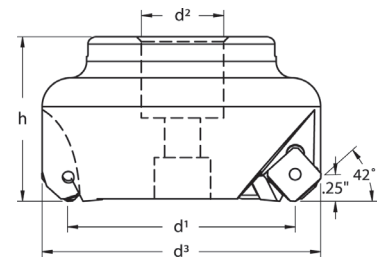
## High Shear Milling Cutters



### End Mills for High Metal Removal

| Designation  | d <sup>1</sup> | d <sup>2</sup> | d <sup>3</sup> | l <sup>1</sup> | l <sup>2</sup> | Flutes | Insert                              | Insert Screw | Wrench                               |
|--------------|----------------|----------------|----------------|----------------|----------------|--------|-------------------------------------|--------------|--------------------------------------|
| TSN45-1000   | 1.000          | 1.000          | 1.54           | 3.75           | 1.47           | 2      | SNKT-1205<br>SNMT-1205<br>XNKT-1205 | 214.80.072   | 214.80.994 (S/D)<br>214.80.076 (F/T) |
| TSN45-1250   | 1.250          | 1.250          | 1.79           | 4.00           | 1.72           | 3      |                                     |              |                                      |
| TSN45-1500   | 1.500          | 1.250          | 2.04           | 4.00           | 1.72           | 4      |                                     |              |                                      |
| TSN45-2000EM | 2.000          | 1.250          | 2.52           | 4.00           | 1.72           | 4      |                                     |              |                                      |

Remember to use COPASLIP® anti-seize compound on all insert screws



### Face Mills for High Metal Removal

| Designation | d <sup>1</sup> | d <sup>2</sup> | d <sup>3</sup> | h    | Flutes | lbs.  | Insert                              | Insert Screw | Wrench                               |
|-------------|----------------|----------------|----------------|------|--------|-------|-------------------------------------|--------------|--------------------------------------|
| TSN45-2000  | 2.000          | .750           | 2.52           | 2.00 | 4      | 1.45  | SNKT-1205<br>SNMT-1205<br>XNKT-1205 | 214.80.073   | 214.80.994 (S/D)<br>214.80.076 (F/T) |
| TSN45-2500  | 2.500          | 1.000          | 3.02           | 2.00 | 5      | 2.20  |                                     |              |                                      |
| TSN45-3000  | 3.000          | 1.000          | 3.56           | 2.00 | 6      | 3.00  |                                     |              |                                      |
| TSN45-4000  | 4.000          | 1.250          | 4.58           | 2.00 | 7      | 3.70  |                                     |              |                                      |
| TSN45-5000  | 5.000          | 1.500          | 5.52           | 2.00 | 8      | 5.75  |                                     |              |                                      |
| TSN45-6000  | 6.000          | 1.500          | 6.52           | 2.00 | 10     | 8.65  |                                     |              |                                      |
| TSN45-8000* | 8.000          | 2.500          | 8.52           | 2.50 | 12     | 17.45 |                                     |              |                                      |

\* Cutter supplied with 4 holes on a 4" bolt circle

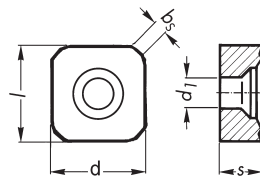
Remember to use COPASLIP® anti-seize compound on all insert screws



SN\_T



XNKT



### TSN45 Inserts

| Designation       | l    | s    | r  | d   | d <sup>1</sup> | bs   | TSN45 Inserts |        |        |        |       |        |        |        |        |     |     |     |     |       |        |
|-------------------|------|------|----|-----|----------------|------|---------------|--------|--------|--------|-------|--------|--------|--------|--------|-----|-----|-----|-----|-------|--------|
|                   |      |      |    |     |                |      | TN7525        | TN6525 | TN7535 | TN6540 | TN450 | TN5515 | TN6510 | TN6520 | TN2510 | TTM | TTR | THM | THR | THM-U | TTI-25 |
| SNKT-1205 AZER-20 | .500 | 7/32 | -- | 1/2 | .217           | .061 | ●             | ●      | ●      | ●      | ●     | ●      | ●      | ●      | ●      | ●   | ●   | ●   | ●   | ●     | ●      |
| SNKT-1205 AZR-21  | .500 | 7/32 | -- | 1/2 | .217           | .061 | ●             | ●      | ●      | ●      | ●     | ●      | ●      | ●      | ●      | ●   | ●   | ●   | ●   | ●     | ●      |
| SNKT-1205 AZR-31  | .500 | 7/32 | -- | 1/2 | .217           | .061 | ●             | ●      | ●      | ●      | ●     | ●      | ●      | ●      | ●      | ●   | ●   | ●   | ●   | ●     | ●      |
| SNMT-1205 AZR-31  | .500 | 7/32 | -- | 1/2 | .217           | .061 | ●             | ●      | ●      | ●      | ●     | ●      | ●      | ●      | ●      | ●   | ●   | ●   | ●   | ●     | ●      |
| XNKT-1205 AZER-11 | .500 | 7/32 | -- | 1/2 | .217           | .315 | ●             | ●      | ●      | ●      | ●     | ●      | ●      | ●      | ●      | ●   | ●   | ●   | ●   | ●     | ●      |
| XNKT-1205 AZTR-12 | .500 | 7/32 | -- | 1/2 | .217           | .315 | ●             | ●      | ●      | ●      | ●     | ●      | ●      | ●      | ●      | ●   | ●   | ●   | ●   | ●     | ●      |