

BLACK WEEK SPECIAL OFFER BLACK WEEK SPECIAL OFFER BLACK WEEK SPECIAL OFFER BLACK WEEK SPECIAL OFFER

# BLACK WEEK

od 25 listopada do 29 listopada 2024

FREZ



ZA PÓŁ CENY

przy zakupie



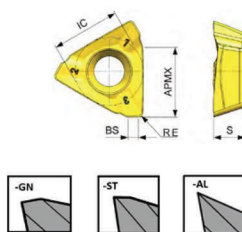
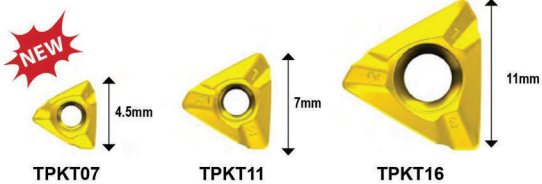
30

PŁYTEK !



YG-1 POLAND

# Frez za pół ceny przy zakupie 30 płytek



| Przykładowe płytki        | Cena netto [EUR] |
|---------------------------|------------------|
| Dowolna płytka TPKT 07    | 5,48             |
| Dowolna płytka TPKT 11    | 6,40             |
| Dowolna płytka TPK T16    | 6,99             |
| Dowolna płytka TPCT 07-AL | 6,04             |
| Dowolna płytka TPKT 11-AL | 6,98             |
| Dowolna płytka TPK T16-AL | 7,69             |

**RZECZYWISTE 90°**

**TPKT 11/16**  
Ap 7mm/11mm Grubość 5,38mm

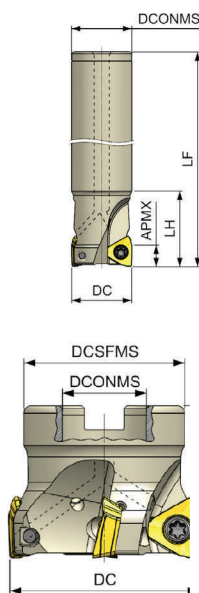
**Większy rdzeń** →

**TPKT 07** **NEW**  
Ap 4,5mm Grubość 2,92mm

**Rzeczywiste 90° ścianek bocznych**

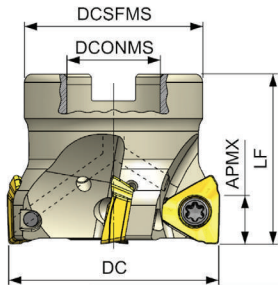
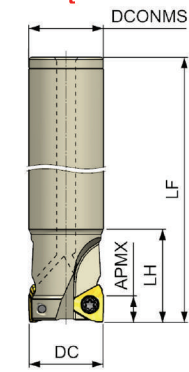
Pozytywna geometria gwarantujące niskie siły skrawania  
Szeroki zakres gatunków i geometrii do różnych zastosowań:  
rowki, płaszczyzny, kontury, interpolacja śrubowa.

## Frezy



| EDP Nr   | Symbol                 | z | Wymiary |        |        |    |     |      | Chłodz. | Rys. |
|----------|------------------------|---|---------|--------|--------|----|-----|------|---------|------|
|          |                        |   | DC      | DCSFMS | DCONMS | LH | LF  | APMX |         |      |
| 17000995 | E90-TP11-D20Z2W20-L90  | 2 | 20      | -      | 20     | 40 | 90  | 7    | •       | 1    |
| 17001037 | E90-TP11-D20Z2C20-L170 | 2 | 20      | -      | 20     | 40 | 170 | 7    | •       | 1    |
| 17001038 | E90-TP11-D21Z2C20-L150 | 2 | 21      | -      | 20     | 40 | 150 | 7    | •       | 1    |
| 17001039 | E90-TP11-D21Z2C20-L200 | 2 | 21      | -      | 20     | 40 | 200 | 7    | •       | 1    |
| 17001040 | E90-TP11-D25Z3W25-L100 | 3 | 25      | -      | 25     | 40 | 100 | 7    | •       | 1    |
| 17001026 | E90-TP11-D25Z3C25-L200 | 3 | 25      | -      | 25     | 60 | 200 | 7    | •       | 1    |
| 17001041 | E90-TP11-D26Z2C25-L200 | 2 | 26      | -      | 25     | 40 | 200 | 7    | •       | 1    |
| 17001042 | E90-TP11-D26Z2C25-L250 | 2 | 26      | -      | 25     | 40 | 200 | 7    | •       | 1    |
| 17001043 | E90-TP11-D26Z3C25-L150 | 3 | 26      | -      | 25     | 40 | 150 | 7    | •       | 1    |
| 17001044 | E90-TP11-D26Z3C25-L200 | 3 | 26      | -      | 25     | 40 | 200 | 7    | •       | 1    |
| 17001045 | E90-TP11-D32Z3C32-L230 | 3 | 32      | -      | 32     | 60 | 230 | 7    | •       | 1    |
| 17001046 | E90-TP11-D32Z4W32-L110 | 4 | 32      | -      | 32     | 40 | 110 | 7    | •       | 1    |
| 17001047 | E90-TP11-D33Z3C32-L200 | 3 | 33      | -      | 32     | 40 | 200 | 7    | •       | 1    |
| 17001048 | E90-TP11-D40Z4C32-L200 | 4 | 40      | -      | 32     | 60 | 200 | 7    | •       | 1    |
| 17001049 | E90-TP11-D40Z5W32-L115 | 5 | 40      | -      | 32     | 40 | 115 | 7    | •       | 1    |
| 17001050 | F90-TP11-D40Z5S16      | 5 | 40      | 38     | 16     | -  | 40  | 7    | •       | 2    |
| 17001051 | F90-TP11-D50Z6S22      | 6 | 50      | 42     | 22     | -  | 40  | 7    | •       | 2    |
| 17001052 | F90-TP11-D63Z7S22      | 7 | 63      | 48     | 22     | -  | 40  | 7    | •       | 2    |
| 17001053 | F90-TP11-D63Z8S22      | 8 | 63      | 48     | 22     | -  | 40  | 7    | •       | 2    |

# Narzędzia



| EDP Nr   | Symbol                 | Z  | Wymiary (mm) |        |        |    |     |      | Chłodz. | Rys. |
|----------|------------------------|----|--------------|--------|--------|----|-----|------|---------|------|
|          |                        |    | DC           | DCSFMS | DCONMS | LH | LF  | APMX |         |      |
| 17000941 | E90-TP16-D32Z2C32-L150 | 2  | 32           | -      | 32     | 40 | 150 | 11   | ●       | 1    |
| 17000942 | E90-TP16-D32Z2C32-L250 | 2  | 32           | -      | 32     | 80 | 250 | 11   | ●       | 1    |
| 17000929 | E90-TP16-D33Z2C32-L200 | 2  | 33           | -      | 32     | 40 | 200 | 11   | ●       | 1    |
| 17001010 | E90-TP16-D33Z2C32-L250 | 2  | 33           | -      | 32     | 40 | 250 | 11   | ●       | 1    |
| 17000944 | E90-TP16-D40Z3W32-L110 | 3  | 40           | -      | 32     | 40 | 110 | 11   | ●       | 1    |
| 17000945 | E90-TP16-D40Z4C32-L200 | 4  | 40           | -      | 32     | 40 | 200 | 11   | ●       | 1    |
| 17000931 | F90-TP16-D50Z4S22      | 4  | 50           | 42     | 22     | -  | 40  | 11   | ●       | 2    |
| 17000932 | F90-TP16-D63Z5S22      | 5  | 63           | 48     | 22     | -  | 40  | 11   | ●       | 2    |
| 17000947 | F90-TP16-D63Z6S22      | 6  | 63           | 48     | 22     | -  | 40  | 11   | ●       | 2    |
| 17000948 | F90-TP16-D80Z6S27      | 6  | 80           | 56     | 27     | -  | 50  | 11   | ●       | 2    |
| 17000949 | F90-TP16-D80Z7S27      | 7  | 80           | 56     | 27     | -  | 50  | 11   | ●       | 2    |
| 17000950 | F90-TP16-D100Z8S32     | 8  | 100          | 67     | 32     | -  | 50  | 11   | ●       | 2    |
| 17000951 | F90-TP16-D125Z10S40    | 10 | 125          | 89     | 40     | -  | 63  | 11   | ●       | 2    |
| 17000952 | F90-TP16-D125Z12S40    | 12 | 125          | 89     | 40     | -  | 63  | 11   | ●       | 2    |
| 17000953 | F90-TP16-D160Z11S40    | 11 | 160          | 110    | 40     | -  | 63  | 11   | X       | 2    |
| 17000955 | F90-TP16-D200Z11S60    | 11 | 200          | 160    | 60     | -  | 63  | 11   | X       | 2    |

| EDP No.  | Description            | CICT | Dimension |        |        |    |     |      | Coolant | Fig. |
|----------|------------------------|------|-----------|--------|--------|----|-----|------|---------|------|
|          |                        |      | DC        | DCSFMS | DCONMS | LH | LF  | APMX |         |      |
| 17001136 | E90-TP07-D12Z1C12-L80  | 1    | 12        | -      | 12     | 20 | 80  |      | ●       | 1    |
| 17001137 | E90-TP07-D14Z1C12-L80  | 1    | 14        | -      | 12     | 20 | 80  |      | ●       | 1    |
| 17001138 | E90-TP07-D16Z2C16-L110 | 2    | 16        | -      | 16     | 25 | 110 |      | ●       | 1    |
| 17001139 | E90-TP07-D16Z2C16-L150 | 2    | 16        | -      | 16     | 25 | 150 |      | ●       | 1    |
| 17001140 | E90-TP07-D16Z3C16-L150 | 3    | 16        | -      | 16     | 25 | 150 |      | ●       | 1    |
| 17001192 | E90-TP07-D17Z2C16-L150 | 2    | 17        | -      | 16     | 25 | 150 |      | ●       | 1    |
| 17001193 | E90-TP07-D17Z2C16-L200 | 2    | 17        | -      | 16     | 25 | 200 |      | ●       | 1    |
| 17001141 | E90-TP07-D17Z3C16-L150 | 3    | 17        | -      | 16     | 25 | 150 |      | ●       | 1    |
| 17001142 | E90-TP07-D18Z3C16-L150 | 3    | 18        | -      | 16     | 25 | 150 | 4,5  | ●       | 1    |
| 17001143 | E90-TP07-D20Z3C20-L160 | 3    | 20        | -      | 20     | 25 | 160 |      | ●       | 1    |
| 17001194 | E90-TP07-D21Z3C20-L160 | 3    | 21        | -      | 20     | 25 | 160 |      | ●       | 1    |
| 17001144 | E90-TP07-D25Z4W20-L115 | 4    | 25        | -      | 20     | 25 | 115 |      | ●       | 1    |
| 17001145 | E90-TP07-D25Z5W25-L115 | 5    | 25        | -      | 25     | 25 | 115 |      | ●       | 1    |
| 17001146 | E90-TP07-D25Z5C25-L115 | 5    | 25        | -      | 25     | 25 | 115 |      | ●       | 1    |
| 17001147 | E90-TP07-D32Z6W25-L130 | 6    | 32        | -      | 25     | 30 | 130 |      | ●       | 1    |
| 17001148 | E90-TP07-D40Z8W32-L130 | 8    | 40        | -      | 32     | 30 | 130 |      | ●       | 1    |
| 17001161 | E90-TP07-D42Z8C32-L130 | 8    | 42        | -      | 32     | 30 | 130 |      | ●       | 1    |

| EDP No.  | Description       | CICT | Dimension |        |        |    |    |      | Coolant | Fig. |
|----------|-------------------|------|-----------|--------|--------|----|----|------|---------|------|
|          |                   |      | DC        | DCSFMS | DCONMS | LH | LF | APMX |         |      |
| 17001154 | M90-TP07-D16Z2M08 | 2    | 16        | 13     | M08    | 23 | 40 |      | ●       | 3    |
| 17001155 | M90-TP07-D20Z3M10 | 3    | 20        | 18     | M10    | 35 | 55 |      | ●       | 3    |
| 17001156 | M90-TP07-D22Z4M10 | 4    | 22        | 18     | M10    | 35 | 55 |      | ●       | 3    |
| 17001157 | M90-TP07-D25Z5M12 | 5    | 25        | 21     | M12    | 35 | 57 |      | ●       | 3    |
| 17001158 | M90-TP07-D32Z6M16 | 6    | 32        | 29     | M16    | 43 | 68 |      | ●       | 3    |
| 17001159 | M90-TP07-D40Z7M16 | 7    | 40        | 29     | M16    | 43 | 68 |      | ●       | 3    |
| 17001160 | M90-TP07-D42Z8M16 | 8    | 42        | 29     | M16    | 43 | 68 | 4,5  | ●       | 3    |
| 17001149 | F90-TP07-D32Z6S16 | 6    | 32        | 30     | 16     | -  | 32 |      | ●       | 2    |
| 17001150 | F90-TP07-D35Z7S16 | 7    | 35        | 30     | 16     | -  | 35 |      | ●       | 2    |
| 17001151 | F90-TP07-D40Z7S16 | 7    | 40        | 38     | 16     | -  | 40 |      | ●       | 2    |
| 17001152 | F90-TP07-D40Z8S16 | 8    | 40        | 38     | 16     | -  | 40 |      | ●       | 2    |
| 17001153 | F90-TP07-D40Z8S22 | 8    | 40        | 38     | 22     | -  | 40 |      | ●       | 2    |
| 17001162 | F90-TP07-D50Z9S22 | 9    | 50        | 45     | 22     | -  | 40 |      | ●       | 2    |
| 17001163 | F90-TP07-D52Z9S22 | 9    | 52        | 45     | 22     | -  | 40 |      | ●       | 2    |

Clamping Torque = 0.6Nm