

FREZOWANIE BEZ ZBĘDNYCH DRGAŃ

 **KOMET**[®]
POLAND



Frezy asymetryczne

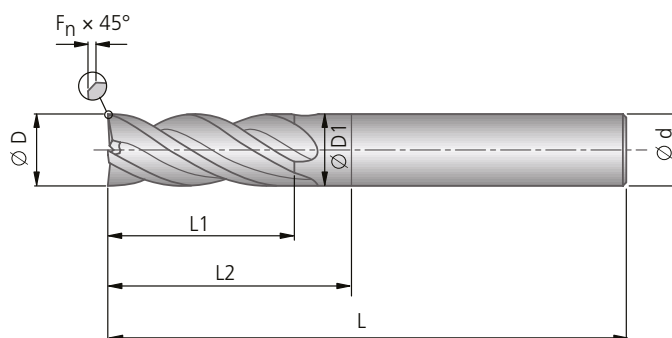
F054D - obróbka zgrubna

F054F - obróbka wykańczająca



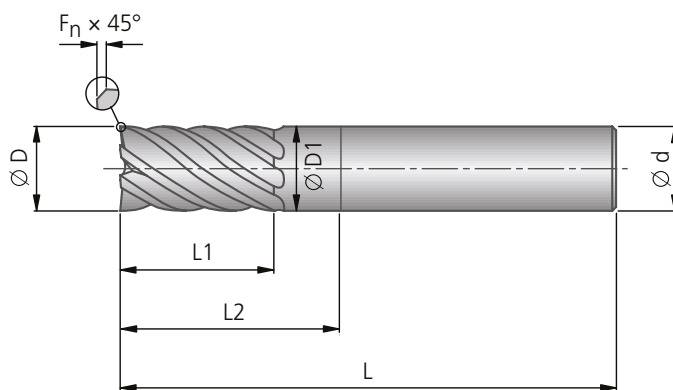
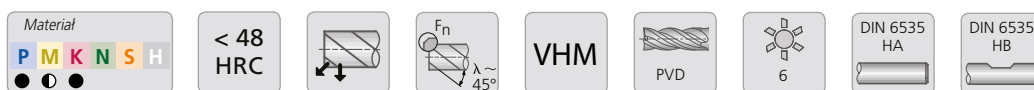
F154D - z promieniem naroża

F054D - frezy asymetryczne ze zmiennym podziałem ostrzy - obróbka zgrubna



| F054D | | | | | | | Z = 4 ~45° | |
|-----------------------|----------------------|------------------|-----|----|-----|-------|--------------------------------|--------------------------------|
| $\varnothing D_{h10}$ | $\varnothing d_{h6}$ | $\varnothing D1$ | L | L1 | L2 | F_n | DIN 6535 HA Nr zamówieniowy | DIN 6535 HB Nr zamówieniowy |
| 2,0 | 6 | 1,9 | 58 | 5 | 8 | 0,04 | 78916658040200 | 70916658040200 |
| 3,0 | 6 | 2,9 | 58 | 8 | 14 | 0,07 | 78916658040300 | 70916658040300 |
| 4,0 | 6 | 3,8 | 58 | 11 | 20 | 0,07 | 78916658040400 | 70916658040400 |
| 5,0 | 6 | 4,8 | 58 | 12 | 20 | 0,07 | 78916658040500 | 70916658040500 |
| 6,0 | 6 | 5,8 | 58 | 13 | 21 | 0,10 | 78916658040600 | 70916658040600 |
| 6,0 | 6 | 5,8 | 105 | 19 | 50 | 0,10 | 78916605040600 | 70916605040600 |
| 8,0 | 8 | 7,7 | 64 | 19 | 27 | 0,15 | 78916664040800 | 70916664040800 |
| 8,0 | 8 | 7,7 | 80 | 28 | 44 | 0,15 | 78916680040800 | 70916680040800 |
| 8,0 | 8 | 7,7 | 105 | 28 | 60 | 0,15 | 78916605040800 | 70916605040800 |
| 10,0 | 10 | 9,5 | 73 | 22 | 32 | 0,20 | 78916673041000 | 70916673041000 |
| 10,0 | 10 | 9,5 | 100 | 28 | 60 | 0,20 | 78916600041000 | 70916600041000 |
| 12,0 | 12 | 11,5 | 74 | 16 | 28 | 0,25 | 78916674041200 | 70916674041200 |
| 12,0 | 12 | 11,5 | 84 | 26 | 42 | 0,25 | 78916684041200 | 70916684041200 |
| 12,0 | 12 | 11,5 | 109 | 32 | 64 | 0,25 | 78916609041200 | 70916609041200 |
| 14,0 | 14 | 13,5 | 84 | 28 | 38 | 0,25 | 78916684041400 | 70916684041400 |
| 14,0 | 14 | 13,5 | 109 | 21 | 64 | 0,25 | 78916609041400 | 70916609041400 |
| 16,0 | 16 | 15,5 | 93 | 32 | 44 | 0,30 | 78916693041600 | 70916693041600 |
| 16,0 | 16 | 15,5 | 109 | 24 | 61 | 0,30 | 78916609041600 | 70916609041600 |
| 16,0 | 16 | 15,5 | 120 | 24 | 72 | 0,30 | 78916620041600 | 70916620041600 |
| 16,0 | 16 | 15,6 | 160 | 38 | 110 | 0,30 | 78916660041600 | 70916660041600 |
| 18,0 | 18 | 17,4 | 93 | 36 | 44 | 0,35 | 78916693041800 | 70916693041800 |
| 18,0 | 18 | 17,4 | 109 | 27 | 61 | 0,35 | 78916609041800 | 70916609041800 |
| 18,0 | 16 | 17,4 | 160 | 38 | 110 | 0,35 | 78916660041800 | 70916660041800 |
| 20,0 | 20 | 19,4 | 105 | 40 | 54 | 0,35 | 78916605042000 | 70916605042000 |
| 20,0 | 20 | 19,4 | 160 | 45 | 110 | 0,35 | 78916660042000 | 70916660042000 |
| 25,0 | 25 | 24,4 | 125 | 50 | 69 | 0,35 | 78916625042500 | 70916625042500 |
| 25,0 | 25 | 24,4 | 160 | 40 | 104 | 0,35 | 78916660042500 | 70916660042500 |

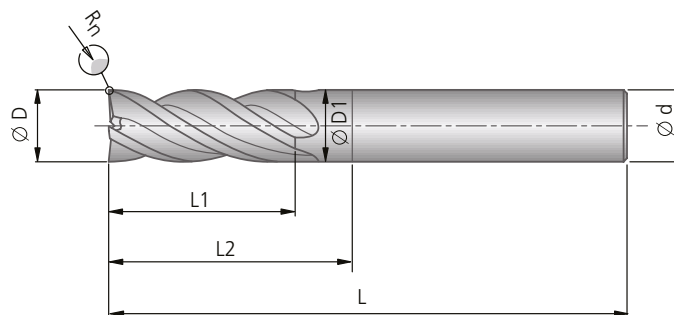
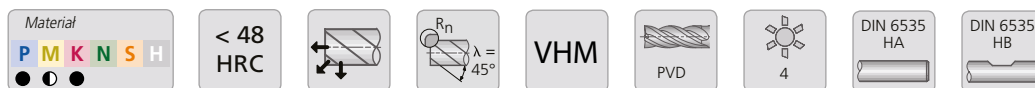
F054F - frezy asymetryczne ze zmiennym podziałem ostrzy - obróbka wykańczająca



| F054F | | | | | | | Z = 6 ~45° | |
|-----------------------|----------------------|-------------------|-----|-----|-----|-------|--------------------------------|--------------------------------|
| $\varnothing D_{h10}$ | $\varnothing d_{h6}$ | $\varnothing D_1$ | L | L1 | L2 | F_n | DIN 6535 HA Nr zamówieniowy | DIN 6535 HB Nr zamówieniowy |
| 6,0 | 6 | 5,8 | 58 | 19 | 21 | 0,05 | 78917658060600 | 70917658060600 |
| 6,0 | 6 | 5,8 | 100 | 19 | 64 | 0,05 | 78917600060600 | 70917600060600 |
| 6,0 | 6 | 5,8 | 100 | 35 | 64 | 0,05 | 78917600060601 | 70917600060601 |
| 8,0 | 8 | 7,7 | 64 | 25 | - | 0,05 | 78917664060800 | 70917664060800 |
| 8,0 | 8 | 7,7 | 100 | 25 | 64 | 0,05 | 78917600060800 | 70917600060800 |
| 8,0 | 8 | 7,7 | 100 | 45 | 64 | 0,05 | 78917600060801 | 70917600060801 |
| 10,0 | 10 | 9,6 | 73 | 30 | - | 0,12 | 78917673061000 | 70917673061000 |
| 10,0 | 10 | 9,6 | 100 | 28 | 60 | 0,12 | 78917600061000 | 70917600061000 |
| 10,0 | 10 | 9,6 | 100 | 50 | 60 | 0,12 | 78917600061001 | 70917600061001 |
| 12,0 | 12 | 11,6 | 84 | 32 | 37 | 0,12 | 78917684061200 | 70917684061200 |
| 12,0 | 12 | 11,6 | 100 | 32 | 55 | 0,12 | 78917600061200 | 70917600061200 |
| 12,0 | 12 | 11,6 | 120 | 60 | 75 | 0,12 | 78917620061200 | 70917620061200 |
| 16,0 | 16 | 15,6 | 93 | 38 | 44 | 0,15 | 78917693061600 | 70917693061600 |
| 16,0 | 16 | 15,6 | 160 | 38 | 110 | 0,15 | 78917660061600 | 70917660061600 |
| 16,0 | 16 | 15,6 | 160 | 80 | 110 | 0,15 | 78917660061601 | 70917660061601 |
| 18,0 | 18 | 17,4 | 93 | 38 | 44 | 0,15 | 78917693061800 | 70917693061800 |
| 18,0 | 18 | 17,4 | 160 | 38 | 110 | 0,15 | 78917660061800 | 70917660061800 |
| 18,0 | 18 | 17,4 | 160 | 90 | 100 | 0,15 | 78917660061801 | 70917660061801 |
| 20,0 | 20 | 19,4 | 105 | 45 | 55 | 0,15 | 78917605062000 | 70917605062000 |
| 20,0 | 20 | 19,4 | 160 | 45 | 110 | 0,15 | 78917660062000 | 70917660062000 |
| 20,0 | 20 | 19,4 | 160 | 90 | 110 | 0,15 | 78917660062001 | 70917660062001 |
| 25,0 | 25 | 24,4 | 160 | 55 | 104 | 0,15 | 78917660062500 | 70917660062500 |
| 25,0 | 25 | 24,4 | 160 | 100 | - | 0,15 | 78917660062501 | 70917660062501 |



F154D - frezy asymetryczne ze zmiennym podziałem ostrzy i promieniem naroża



| F154D | | | | | | | Z = 4 ~45° | |
|--------------------|-------------------|------|-----|----|----|----------------|-----------------------------------|-----------------------------------|
| Ø D _{h10} | Ø d _{h6} | Ø D1 | L | L1 | L2 | R _n | DIN 6535 HA Nr zamówieniowy | DIN 6535 HB Nr zamówieniowy |
| 3,0 | 6 | 2,9 | 58 | 8 | 14 | 0,20 | 78921011250300 | 70921011250300 |
| 3,0 | 6 | 2,9 | 58 | 8 | 14 | 0,30 | 78921011260300 | 70921011260300 |
| 3,0 | 6 | 2,9 | 58 | 8 | 14 | 0,50 | 78921011280300 | 70921011280300 |
| 4,0 | 6 | 3,8 | 58 | 11 | 20 | 0,20 | 78921011250400 | 70921011250400 |
| 4,0 | 6 | 3,8 | 58 | 11 | 20 | 0,40 | 78921011270400 | 70921011270400 |
| 4,0 | 6 | 3,8 | 58 | 11 | 20 | 0,50 | 78921011280400 | 70921011280400 |
| 5,0 | 6 | 4,8 | 58 | 12 | 20 | 0,20 | 78921011250500 | 70921011250500 |
| 5,0 | 6 | 4,8 | 58 | 12 | 20 | 0,50 | 78921011280500 | 70921011280500 |
| 5,0 | 6 | 4,8 | 58 | 12 | 20 | 1,00 | 78921011310500 | 70921011310500 |
| 6,0 | 6 | 5,8 | 58 | 13 | 21 | 0,20 | 78921011250600 | 70921011250600 |
| 6,0 | 6 | 5,8 | 58 | 13 | 21 | 0,50 | 78921011280600 | 70921011280600 |
| 6,0 | 6 | 5,8 | 58 | 13 | 21 | 1,00 | 78921011310600 | 70921011310600 |
| 8,0 | 8 | 7,7 | 64 | 19 | 27 | 0,20 | 78921011250800 | 70921011250800 |
| 8,0 | 8 | 7,7 | 64 | 19 | 27 | 0,50 | 78921011280800 | 70921011280800 |
| 8,0 | 8 | 7,7 | 64 | 19 | 27 | 1,00 | 78921011310800 | 70921011310800 |
| 8,0 | 8 | 7,7 | 64 | 19 | 27 | 2,00 | 78921011330800 | 70921011330800 |
| 10,0 | 10 | 9,5 | 73 | 22 | 32 | 0,20 | 78921011251000 | 70921011251000 |
| 10,0 | 10 | 9,5 | 73 | 22 | 32 | 0,50 | 78921011281000 | 70921011281000 |
| 10,0 | 10 | 9,5 | 73 | 22 | 32 | 1,00 | 78921011311000 | 70921011311000 |
| 10,0 | 10 | 9,5 | 73 | 22 | 32 | 1,50 | 78921011321000 | 70921011321000 |
| 10,0 | 10 | 9,5 | 73 | 22 | 32 | 2,00 | 78921011331000 | 70921011331000 |
| 12,0 | 12 | 11,5 | 84 | 26 | 42 | 0,20 | 78921011251200 | 70921011251200 |
| 12,0 | 12 | 11,5 | 84 | 26 | 42 | 0,50 | 78921011281200 | 70921011281200 |
| 12,0 | 12 | 11,5 | 84 | 26 | 42 | 1,00 | 78921011311200 | 70921011311200 |
| 12,0 | 12 | 11,5 | 84 | 26 | 42 | 1,50 | 78921011321200 | 70921011321200 |
| 12,0 | 12 | 11,5 | 84 | 26 | 42 | 2,00 | 78921011331200 | 70921011331200 |
| 14,0 | 14 | 13,5 | 84 | 28 | 38 | 1,00 | 78921011311400 | 70921011311400 |
| 16,0 | 16 | 15,5 | 93 | 32 | 44 | 0,30 | 78921011261600 | 70921011261600 |
| 16,0 | 16 | 15,5 | 93 | 32 | 44 | 0,50 | 78921011281600 | 70921011281600 |
| 16,0 | 16 | 15,5 | 93 | 32 | 44 | 1,00 | 78921011311600 | 70921011311600 |
| 16,0 | 16 | 15,5 | 93 | 32 | 44 | 2,00 | 78921011331600 | 70921011331600 |
| 16,0 | 16 | 15,5 | 93 | 32 | 44 | 4,00 | 78921011361600 | 70921011361600 |
| 20,0 | 20 | 19,4 | 105 | 40 | 54 | 0,30 | 78921011262000 | 70921011262000 |
| 20,0 | 20 | 19,4 | 105 | 40 | 54 | 0,50 | 78921011282000 | 70921011282000 |
| 20,0 | 20 | 19,4 | 105 | 40 | 54 | 1,00 | 78921011312000 | 70921011312000 |
| 20,0 | 20 | 19,4 | 105 | 40 | 54 | 2,00 | 78921011332000 | 70921011332000 |