



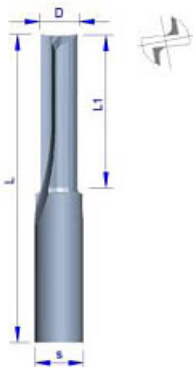
TERÄTOIMITUS.fi

Puuntyöstöjyrsimet



Viimeistelyjyrsin Z=2, suora leikkuu, Malli V001
Syöttönopeus 3-8 m/min, 18000–24000 RPM

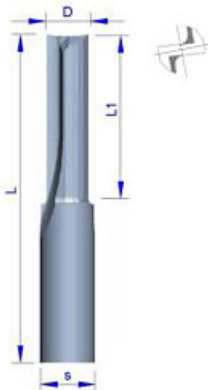
Typ V001



D	L1	L	s	Z	Art.. Nr P
2	6	50	6	2	V001.020.006.050
2,5	6	50	6	2	V001.025.006.050
3	10	50	6	2	V001.030.010.050
3,17 (1/8")	12,7 (1/2")	50,8 (2")	6,35 (1/4")	2	V001.032.013.051
3,5	12	50	6	2	V001.035.012.050
4	15	50	6	2	V001.040.015.050
4,75 (3/16")	12,7 (1/2")	50,8 (2")	6,35 (1/4")	2	V001.048.013.051
5	15	50	6	2	V001.050.015.050
5	20	60	6	2	V001.050.020.060
6	20	60	6	2	V001.060.020.060
6	25	65	6	2	V001.060.025.065
6,35 (1/4")	25,4 (1")	63,5 (2 1/2")	6,35 (1/4")	2	V001.063.025.063

Viimeistelyjyrsin Z=2, suora leikkuu, Malli V002
Syöttönopeus 3-8 m/min, 18000–24000 RPM

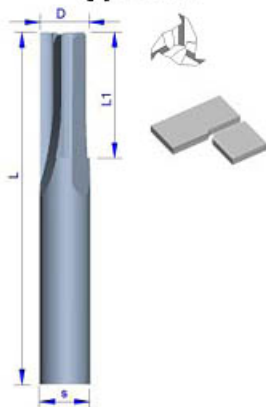
Typ V002



D	L1	L	s	Z	Art.. Nr P
2	6	50	8	2	V002.020.006.050
2,5	6	50	8	2	V002.025.006.050
3	10	50	8	2	V002.030.010.050
3,17 (1/8")	12,7 (1/2")	50,8 (2")	7,95 (5/16")	2	V002.032.013.051
3,5	10	50	8	2	V002.035.010.050
4	15	60	8	2	V002.040.015.060
4,75 (3/16")	12,7 (1/2")	50,8 (2")	7,95 (5/16")	2	V002.048.013.051
5	15	60	8	2	V002.050.015.060
5	20	60	8	2	V002.050.020.060
6	20	60	8	2	V002.060.020.060
6	25	65	8	2	V002.060.025.065
6,35 (1/4")	25,4 (1")	76,2 (2 1/2")	7,95 (5/16")	2	V002.064.025.077
7	25	65	8	2	V002.070.025.065
7,95 (5/16")	25,4 (1")	76,2 (2 1/2")	7,95 (5/16")	2	V002.079.025.077
8	25	65	8	2	V002.080.025.065
8	30	70	8	2	V002.080.030.070

Viimeistelyjyrsin Z=3, suora leikkuu, Malli V003
Syöttönopeus 3-8 m/min, 18000–24000 RPM

Typ V003



D	L1	L	s	Z	Art.. Nr P
9,50 (3/8")	25,4 (1")	76,2 (2 1/2")	12,70 (1/2")	3	V003.095.025.077
10	25	70	12	3	V003.100.025.070
10	35	80	12	3	V003.100.035.080
10	40	85	12	3	V003.100.040.085
12	25	70	12	3	V003.120.025.070
12	35	80	12	3	V003.120.035.080
12	45	90	12	3	V003.120.045.090
12,70 (1/2")	25,4 (1")	76,2 (2 1/2")	12,70 (1/2")	3	V003.127.025.077
12,70 (1/2")	38,1 (1 1/2")	88,9 (3 1/2")	12,70 (1/2")	3	V003.127.038.089

Viimeistelyspiraali Z=2, nostava leikkuu, Malli V011
Syöttönopeus 3-8 m/min, 18000–24000 RPM

D	L1	L	s	Z	Art.. Nr P
2	6	50	6	2	V011.020.006.050
2,5	6	50	6	2	V011.025.006.050
3	10	55	6	2	V011.030.010.055
3,17 (1/8")	12,7 (1/2")	57,2 (2 1/4")	6,35 (1/4")	2	V011.032.013.057
3,5	12	50	6	2	V011.035.012.050
4	15	50	6	2	V011.040.015.050
4,75 (3/16")	12,7 (1/2")	50,8 (2")	7,95 (5/6")	2	V011.048.013.051
5	17	60	6	2	V011.050.017.060
5	20	60	6	2	V011.050.020.060
6	17	60	6	2	V011.060.017.060
6	22	60	6	2	V011.060.022.060
6,35 (1/4")	25,4 (1")	63,5 (2 1/2")	6,35 (1/4")	2	V011.063.025.064

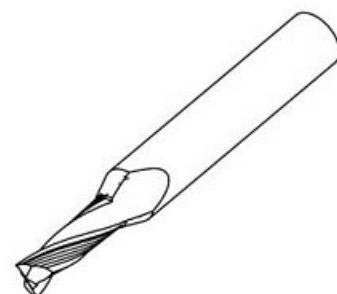
Typ V011



Viimeistelyspiraali Z=2, nostava leikkuu, Malli V012
Syöttönopeus 3-8 m/min, 18000–24000 RPM

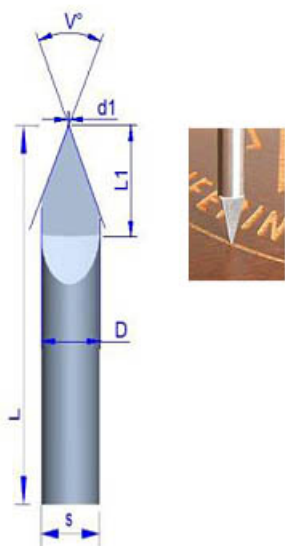
D	L1	L	s	Z	Art.. Nr P
2	6	50	8	2	V012.020.006.050
2,5	6	50	8	2	V012.025.006.050
3	10	50	8	2	V012.030.010.050
3,17 (1/8")	12,7 (1/2")	50,8 (2")	7,95 (5/6")	2	V012.032.013.051
3,5	12	50	8	2	V012.035.012.050
4	15	60	8	2	V012.040.015.060
4,75 (3/16")	12,7 (1/2")	50,8 (2")	7,95 (5/6")	2	V012.048.013.051
5	17	60	8	2	V012.050.017.060
5	20	65	8	2	V012.050.020.065
6	17	60	8	2	V012.060.017.060
6	22	65	8	2	V012.060.022.065
6,35 (1/4")	25,4 (1")	76,2 (2 1/2")	7,95 (5/6")	2	V012.064.025.077
7	22	65	8	2	V012.070.022.065
7,95 (5/6")	25,4 (1")	76,2 (2 1/2")	7,95 (5/6")	2	V012.079.025.077
8	25	70	8	2	V012.080.025.070
8	30	75	8	2	V012.080.030.075

Typ V012



Kaiverrusjyrsin 30°, 45°, 60°, 90°, Malli V004
Syöttönopeus 2-6 m/min, 18000-30000 RPM

Typ V004



D	d1	L ₂	L ₁	s	V°	Art.. Nr P
4	0,1	18	45	4	30°	V004.040.030.045
4	0,1	18	45	4	45°	V004.040.045.045
4	0,1	18	45	4	60°	V004.040.060.045
4	0,1	18	45	4	90°	V004.040.090.045
6	0,2	22	50	6	30°	V004.060.030.050
6	0,2	22	50	6	45°	V004.060.045.050
6	0,2	22	50	6	60°	V004.060.060.050
6	0,2	22	50	6	90°	V004.060.090.050
8	0,2	25	55	8	45°	V004.080.045.055
8	0,2	25	55	8	60°	V004.080.060.055
8	0,2	25	55	8	90°	V004.080.090.055

Viimeistelyspiraali Z=1, nostava leikkuu, Malli V101

Syöttönopeus 2-10 m/min, 18000-24000 RPM

Saatavana myös:

OIK. / PAINAVA LEIKKU (NEG)

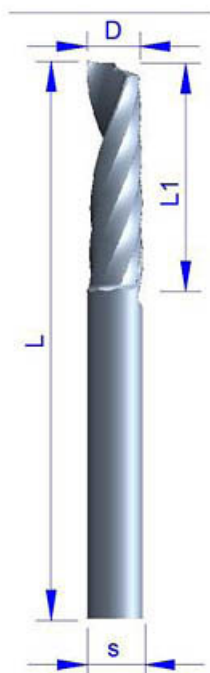
VAS. / NOSTAVA LEIKKU (POS)

VAS. / PAINAVA LEIKKU (NEG)

Z1

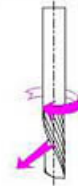


Typ V101



D	L1	L	s	Z	Art.. Nr P/P
3	14	50	3	1	V101.030.014.050
4	14	50	4	1	V101.040.014.050
4	20	50	4	1	V101.040.020.050
5	17	50	5	1	V101.050.017.050
5	22	60	5	1	V101.050.022.060
6	22	60	6	1	V101.060.022.060
6	27	70	6	1	V101.060.027.070
8	22	70	8	1	V101.080.022.070
8	32	80	8	1	V101.080.032.080
10	32	80	10	1	V101.100.032.080
10	42	90	10	1	V101.100.042.090
12	32	80	12	1	V101.120.032.080
12	42	90	12	1	V101.120.042.090

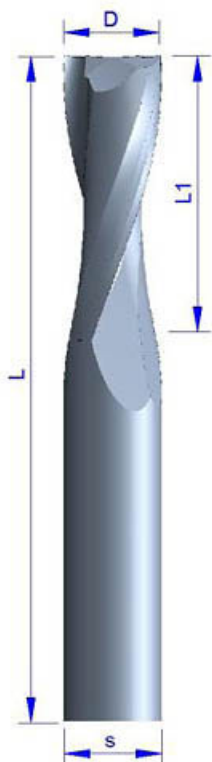
Art.. Nr P/N
V101.030.014.050N
V101.040.014.050N
V101.040.020.050N
V101.050.017.050N
V101.050.022.060N
V101.060.022.060N
V101.060.027.080N
V101.080.022.070N
V101.080.032.080N
V101.100.032.080N
V101.100.042.090N
V101.120.032.080N
V101.120.042.090N



Z2



Typ V201


Viimeistelyspiraali Z=2, nostava leikkuu, Malli V201
Syöttönopeus 2-10 m/min, 18000-24000 RPM

Saatavana myös:

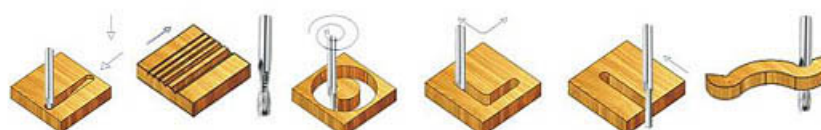
OIK. / PAINAVA LEIKKUU (NEG)

VAS. / NOSTAVA LEIKKUU (POS)

VAS. / PAINAVA LEIKKUU (NEG)

D	L ₁	L	s	Z	Art. Nr P/P
2	8	50	3	2	V201.020.008.050
3	12	50	3	2	V201.030.012.050
4	12	50	4	2	V201.040.012.050
5	17	70	5	2	V201.050.017.070
6	22	70	6	2	V201.060.022.070
8	22	70	8	2	V201.080.022.070
8	32	80	8	2	V201.080.032.080
10	32	80	10	2	V201.100.032.080
10	42	90	10	2	V201.100.042.090
10	52	100	10	2	V201.100.052.100
12	32	80	12	2	V201.120.032.080
12	42	90	12	2	V201.120.042.090
12	52	100	12	2	V201.120.052.100
14	42	90	14	2	V201.140.042.090
14	52	100	14	2	V201.140.052.100
16	32	80	16	2	V201.160.032.080
16	42	90	16	2	V201.160.042.090
16	52	100	16	2	V201.160.052.100
16	62	110	16	2	V201.160.062.110
16	72	120	16	2	V201.160.072.120
18	52	100	18	2	V201.180.052.100
18	72	120	18	2	V201.180.072.120
20	52	100	20	2	V201.200.052.100
20	72	120	20	2	V201.200.072.120
20	82	130	20	2	V201.200.082.130
20	100	150	20	2	V201.200.100.150

Art. Nr P/N
V201.020.008.050N
V201.030.012.050N
V201.040.012.050N
V201.050.017.070N
V201.060.022.070N
V201.080.022.070N
V201.080.032.080N
V201.100.032.080N
V201.100.042.090N
V201.100.052.100N
V201.120.032.080N
V201.120.042.090N
V201.120.052.100N
V201.140.042.090N
V201.140.052.100N
V201.160.032.080N
V201.160.042.090N
V201.160.052.100N
V201.160.062.110N
V201.160.072.120N
V201.180.052.100N
V201.180.072.120N
V201.200.052.100N
V201.200.072.120N
V201.200.082.130N
V201.200.100.150N



Viimeistelyspiraali lastunkatkaisu-urilla Z=2, nostava leikkuu, Malli V202
Syöttönopeus 2-10 m/min, 18000–24000 RPM

Saatavana myös:

OIK. / PAINAVA LEIKKUU (NEG)

VAS. / NOSTAVA LEIKKUU (POS)

VAS. / PAINAVA LEIKKUU (NEG)

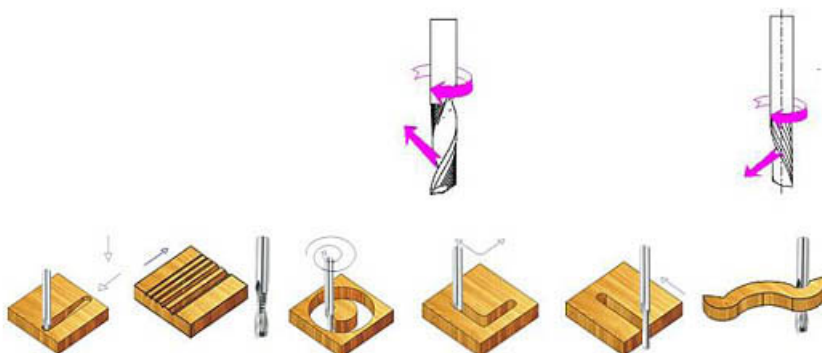
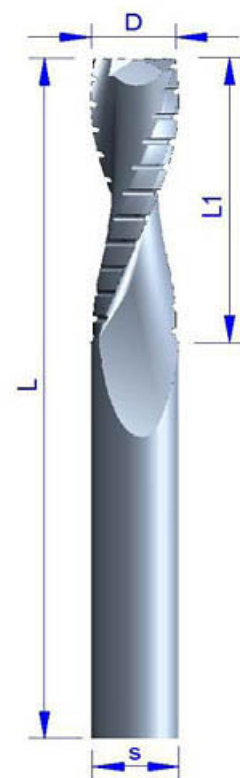
D	L1	L	s	Z	Art. Nr P/P
6	22	70	6	2	V202.060.022.070
8	22	70	8	2	V202.080.022.070
8	32	80	8	2	V202.080.032.080
10	32	80	10	2	V202.100.032.080
10	42	90	10	2	V202.100.042.090
10	52	100	10	2	V202.100.052.100
12	32	80	12	2	V202.120.032.080
12	42	90	12	2	V202.120.042.090
12	52	100	12	2	V202.120.052.100
14	42	90	14	2	V202.140.042.090
14	52	100	14	2	V202.140.052.100
16	32	80	16	2	V202.160.032.080
16	42	90	16	2	V202.160.042.090
16	52	100	16	2	V202.160.052.100
16	62	110	16	2	V202.160.062.110
16	72	120	16	2	V202.160.072.120
18	52	100	18	2	V202.180.052.100
18	72	120	18	2	V202.180.072.120
20	52	100	20	2	V202.200.052.100
20	72	120	20	2	V202.200.072.120
20	82	130	20	2	V202.200.082.130
20	100	150	20	2	V202.200.100.150

Art. Nr P/N
V202.060.022.070N
V202.080.022.070N
V202.080.032.080N
V202.100.032.080N
V202.100.042.090N
V202.100.052.100N
V202.120.032.080N
V202.120.042.090N
V202.120.052.100N
V202.140.042.090N
V202.140.052.100N
V202.160.032.080N
V202.160.042.090N
V202.160.052.100N
V202.160.062.110N
V202.160.072.120N
V202.180.052.100N
V202.180.072.120N
V202.200.052.100N
V202.200.072.120N
V202.200.082.130N
V202.200.100.150N

Z2



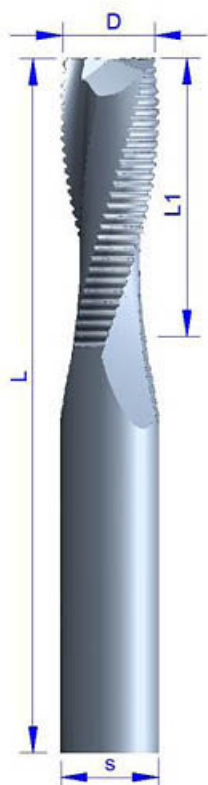
Typ V202



Z2



Typ V203



Rouhintaspiraali Z=2, nostava leikkuu, Malli V203

Syöttönopeus 2-10 m/min, 18000-24000 RPM

Saatavana myös:

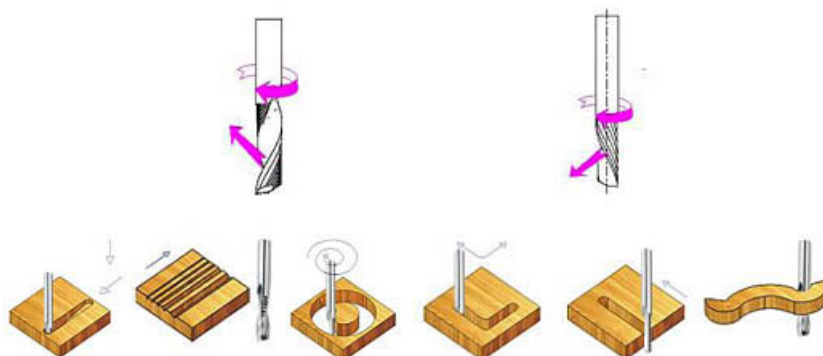
OIK. / PAINAVA LEIKKU (NEG)

VAS. / NOSTAVA LEIKKU (POS)

VAS. / PAINAVA LEIKKU (NEG)

D	L1	L	s	Z	Art. Nr P/P
6	20	70	6	2	V203.060.020.070
8	22	70	8	2	V203.080.022.070
8	32	80	8	2	V203.080.032.080
10	32	80	10	2	V203.100.032.080
10	42	90	10	2	V203.100.042.090
10	52	100	10	2	V203.100.052.100
12	32	80	12	2	V203.120.032.080
12	42	90	12	2	V203.120.042.090
12	52	100	12	2	V203.120.052.100
14	42	90	14	2	V203.140.042.090
14	52	100	14	2	V203.140.052.100
16	32	80	16	2	V203.160.032.080
16	42	90	16	2	V203.160.042.090
16	52	100	16	2	V203.160.052.100
16	62	110	16	2	V203.160.062.110
16	72	120	16	2	V203.160.072.120
18	52	100	18	2	V203.180.052.100
18	72	120	18	2	V203.180.072.120
20	52	100	20	2	V203.200.052.100
20	72	120	20	2	V203.200.072.120
20	85	130	20	2	V203.200.085.130
20	100	150	20	2	V203.200.100.150

Art. Nr P/N
V203.060.020.070N
V203.080.022.070N
V203.080.032.080N
V203.100.032.080N
V203.100.042.090N
V203.100.052.100N
V203.120.032.080N
V203.120.042.090N
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V203.160.042.090N
V203.160.052.100N
V203.160.062.110N
V203.160.072.120N
V203.180.052.100N
V203.180.072.120N
V203.200.052.100N
V203.200.072.120N
V203.200.085.130N
V203.200.100.150N



Viimeistelyspiraali Z=3, nostava leikkuu, Malli V301
Syöttönopeus 2-16 m/min, 18000–24000 RPM

Saatavana myös:

OIK. / PAINAVA LEIKKU (NEG)

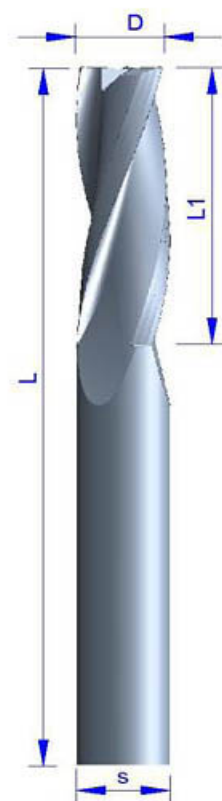
VAS. / NOSTAVA LEIKKU (POS)

VAS. / PAINAVA LEIKKU (NEG)

Z3

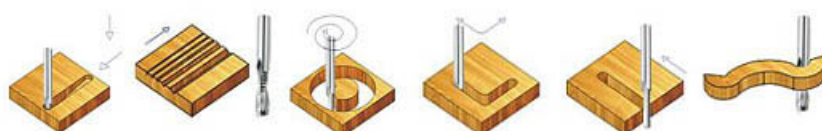
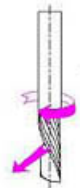


Typ V301



D	L1	L	s	Z	Art. Nr P/P
6	20	70	6	3	V301.060.020.070
8	22	70	8	3	V301.080.022.070
8	32	80	8	3	V301.080.032.080
10	32	80	10	3	V301.100.032.080
10	42	90	10	3	V301.100.042.090
10	52	100	10	3	V301.100.052.100
12	32	80	12	3	V301.120.032.080
12	42	90	12	3	V301.120.042.090
12	52	100	12	3	V301.120.052.100
14	42	90	14	3	V301.140.042.090
14	52	100	14	3	V301.140.052.100
16	32	80	16	3	V301.160.032.080
16	42	90	16	3	V301.160.042.090
16	52	100	16	3	V301.160.052.100
16	62	110	16	3	V301.160.062.110
16	72	120	16	3	V301.160.072.120
18	52	100	18	3	V301.180.052.100
18	72	120	18	3	V301.180.072.120
20	52	100	20	3	V301.200.052.100
20	72	120	20	3	V301.200.072.120
20	85	130	20	3	V301.200.085.130
20	100	150	20	3	V301.200.100.150
25	100	150	25	3	V301.250.100.150

Art. Nr P/N
V301.060.020.070N
V301.080.022.070N
V301.080.032.080N
V301.100.032.080N
V301.100.042.090N
V301.100.052.100N
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V301.120.042.090N
V301.120.052.100N
V301.140.042.090N
V301.140.052.100N
V301.160.032.080N
V301.160.042.090N
V301.160.052.100N
V301.160.062.110N
V301.160.072.120N
V301.180.052.100N
V301.180.072.120N
V301.200.052.100N
V301.200.072.120N
V301.200.085.130N
V301.200.100.150N
V301.250.100.150N



Z3


Viimeistelyspiraali lastunkatkaisu-urilla Z=3, nostava leikkuu, Malli V302
Syöttönopeus 2-10 m/min, 1800–2400 RPM

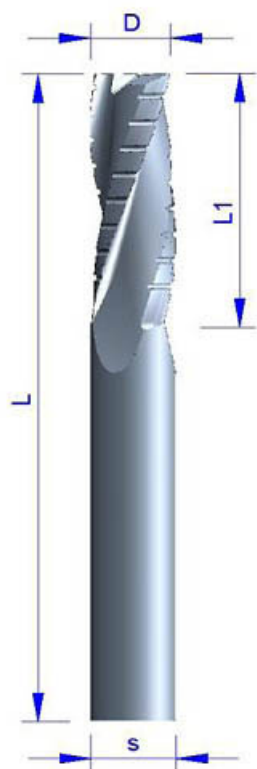
Saatavana myös:

OIK. / PAINAVA LEIKKU (NEG)

VAS. / NOSTAVA LEIKKU (POS)

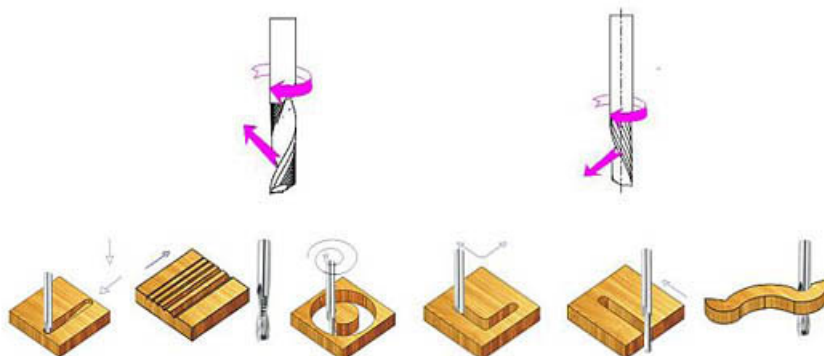
VAS. / PAINAVA LEIKKU (NEG)

Typ V302



D	L1	L	s	Z	Art. Nr P/P
6	20	70	6	3	V302.060.020.070
8	22	70	8	3	V302.080.022.070
8	32	80	8	3	V302.080.032.080
10	32	80	10	3	V302.100.032.080
10	42	90	10	3	V302.100.042.090
10	52	100	10	3	V302.100.052.100
12	32	80	12	3	V302.120.032.080
12	42	90	12	3	V302.120.042.090
12	52	100	12	3	V302.120.052.100
14	42	90	14	3	V302.140.042.090
14	52	100	14	3	V302.140.052.100
16	32	80	16	3	V302.160.032.080
16	42	90	16	3	V302.160.042.090
16	52	100	16	3	V302.160.052.100
16	62	110	16	3	V302.160.062.110
16	72	120	16	3	V302.160.072.120
18	52	100	18	3	V302.180.052.100
18	72	120	18	3	V302.180.072.120
20	52	100	20	3	V302.200.052.100
20	72	120	20	3	V302.200.072.120
20	85	130	20	3	V302.200.085.130
20	100	150	20	3	V302.200.100.150
25	100	150	25	3	V302.250.100.150

Art. Nr P/N
V302.060.020.070N
V302.080.022.070N
V302.080.032.080N
V302.100.032.080N
V302.100.042.090N
V302.100.052.100N
V302.120.032.080N
V302.120.042.090N
V302.120.052.100N
V302.140.042.090N
V302.140.052.100N
V302.160.032.080N
V302.160.042.090N
V302.160.052.100N
V302.160.062.110N
V302.160.072.120N
V302.180.052.100N
V302.180.072.120N
V302.200.052.100N
V302.200.072.120N
V302.200.085.130N
V302.200.100.150N
V302.250.100.150N



Rouhintaspiraali Z=3, nostava leikkuu, Malli V303

Syöttönopeus 2-16 m/min, 18000-24000 RPM

Saatavana myös:

OIK. / PAINAVA LEIKKU (NEG)

VAS. / NOSTAVA LEIKKU (POS)

VAS. / PAINAVA LEIKKU (NEG)

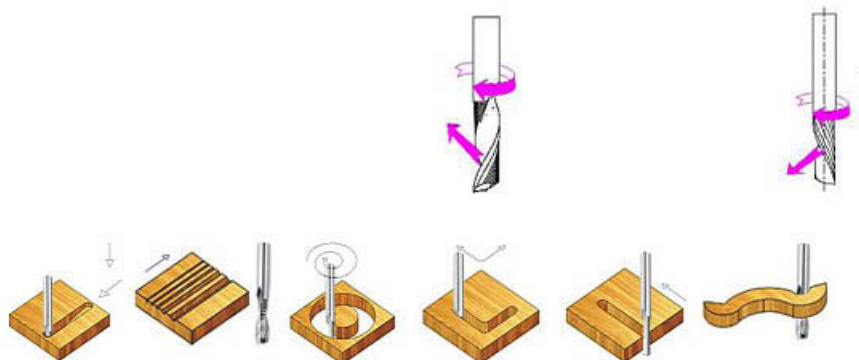
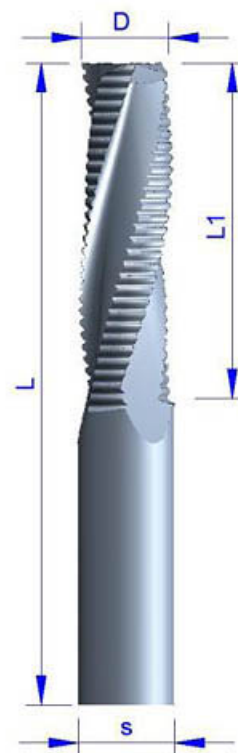
Z3



Typ V303

D	L1	L	s	Z	Art. Nr P/P
6	22	70	6	3	V303.080.022.070
8	22	70	8	3	V303.080.022.070
8	32	80	8	3	V303.080.032.080
10	32	80	10	3	V303.100.032.080
10	42	90	10	3	V303.100.042.090
10	52	100	10	3	V303.100.052.100
12	32	80	12	3	V303.120.032.080
12	42	90	12	3	V303.120.042.090
12	52	100	12	3	V303.120.052.100
14	42	90	14	3	V303.140.042.090
14	52	100	14	3	V303.140.052.100
16	32	80	16	3	V303.160.032.080
16	42	90	16	3	V303.160.042.090
16	52	100	16	3	V303.160.052.100
16	62	110	16	3	V303.160.062.110
16	72	120	16	3	V303.160.072.120
18	52	100	18	3	V303.180.052.100
18	72	120	18	3	V303.180.072.120
20	52	100	20	3	V303.200.052.100
20	72	120	20	3	V303.200.072.120
20	85	130	20	3	V303.200.085.130
20	100	150	20	3	V303.200.100.150
25	100	150	25	3	V303.250.100.150

Art. Nr P/N
V303.080.022.070N
V303.080.022.070N
V303.080.032.080N
V303.100.032.080N
V303.100.042.090N
V303.100.052.100N
V303.120.032.080N
V303.120.042.090N
V303.120.052.100N
V303.140.042.090N
V303.140.052.100N
V303.160.032.080N
V303.160.042.090N
V303.160.052.100N
V303.160.062.110N
V303.160.072.120N
V303.180.052.100N
V303.180.072.120N
V303.200.052.100N
V303.200.072.120N
V303.200.085.130N
V303.200.100.150N
V303.250.100.150N



Z4



Viimeistelyspiraali Z=4, nostava leikkuu, Malli V401

Syöttönopeus 2-16 m/min, 18000-24000 RPM

Saatavana myös:

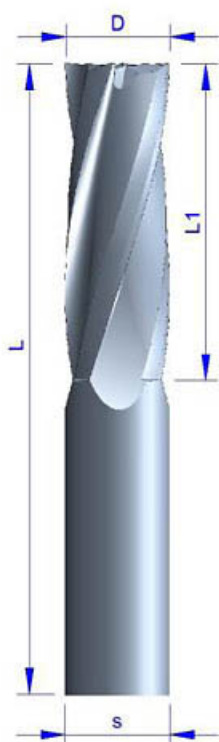
OIK. / PAINAVA LEIKKUU (NEG)

VAS. / NOSTAVA LEIKKUU (POS)

VAS. / PAINAVA LEIKKUU (NEG)

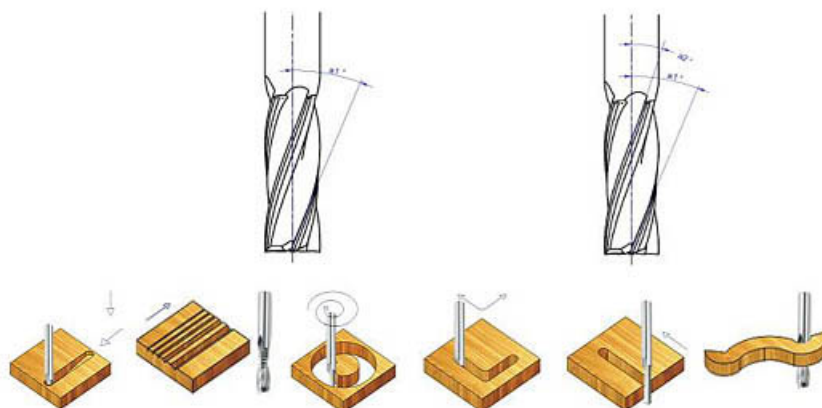
MUUTTUVALLA NOUSUKULMALLA

Typ V401 / V401S



D	L1	L	s	Z	Art. nr
10	32	80	10	4	V401.100.032.080
10	42	90	10	4	V401.100.042.900
12	32	80	12	4	V401.120.042.080
12	42	90	12	4	V401.120.042.090
12	52	100	12	4	V401.120.052.100
14	42	90	14	4	V401.140.042.090
14	52	100	14	4	V401.140.052.100
16	32	80	16	4	V401.160.032.080
16	42	90	16	4	V401.160.042.090
16	52	100	16	4	V401.160.052.100
16	62	110	16	4	V401.160.062.110
16	72	120	16	4	V401.160.072.120
18	52	100	18	4	V401.180.052.100
18	72	120	18	4	V401.180.072.120
20	52	100	20	4	V401.200.052.100
20	72	120	20	4	V401.200.072.120
20	85	130	20	4	V401.200.085.130
20	100	150	20	4	V401.200.100.150
25	100	150	25	4	V401.250.100.150

Art. Nr S
V401.100.032.080S
V401.100.042.900S
V401.120.042.080S
V401.120.042.090S
V401.120.052.100S
V401.140.042.090S
V401.140.052.100S
V401.160.032.080S
V401.160.042.090S
V401.160.052.100S
V401.160.062.110S
V401.160.072.120S
V401.180.052.100S
V401.180.072.120S
V401.200.052.100S
V401.200.072.120S
V401.200.085.130S
V401.200.100.150S
V401.250.100.150S



Viimeistelyspiraali lastunkatkaisu-urilla Z=4 (2+2), nostava leikkuu, Malli V402

Syöttönopeus 2-16 m/min, 18000-24000 RPM

Saatavana myös:

OIK. / PAINAVA LEIKKU (NEG)

VAS. / NOSTAVA LEIKKU (POS)

VAS. / PAINAVA LEIKKU (NEG)

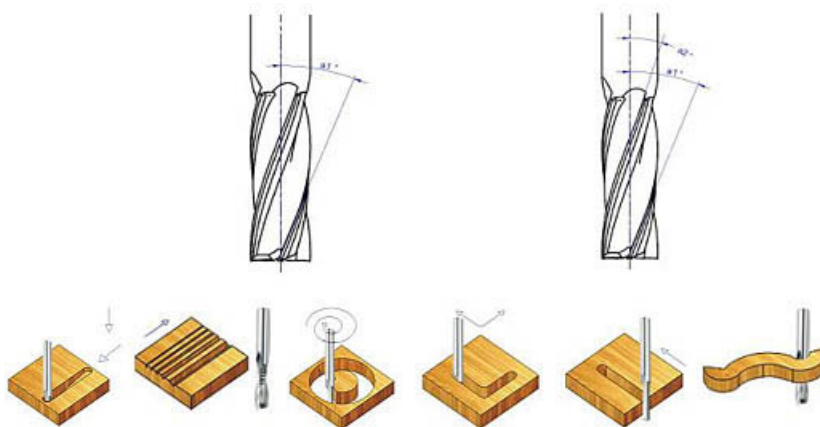
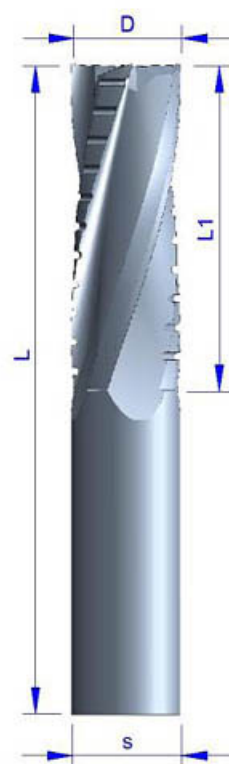
MUUTTUVALLA NOUSUKULMALLA

Z4



D	L1	L	s	Z	Art. nr	Art. Nr S
10	32	80	10	4	V402.100.032.080	V402.100.032.080S
10	42	90	10	4	V402.100.042.900	V402.100.042.900S
12	32	80	12	4	V402.120.042.080	V402.120.042.080S
12	42	90	12	4	V402.120.042.090	V402.120.042.090S
12	52	100	12	4	V402.120.052.100	V402.120.052.100S
14	42	90	14	4	V402.140.042.090	V402.140.042.090S
14	52	100	14	4	V402.140.052.100	V402.140.052.100S
16	32	80	16	4	V402.160.032.080	V402.160.032.080S
16	42	90	16	4	V402.160.042.090	V402.160.042.090S
16	52	100	16	4	V402.160.052.100	V402.160.052.100S
16	62	110	16	4	V402.160.062.110	V402.160.062.110S
16	72	120	16	4	V402.160.072.120	V402.160.072.120S
18	52	100	18	4	V402.180.052.100	V402.180.052.100S
18	72	120	18	4	V402.180.072.120	V402.180.072.120S
20	52	100	20	4	V402.200.052.100	V402.200.052.100S
20	72	120	20	4	V402.200.072.120	V402.200.072.120S
20	85	130	20	4	V402.200.085.130	V402.200.085.130S
20	100	150	20	4	V402.200.100.150	V402.200.100.150S
25	100	150	25	4	V402.250.100.150	V402.250.100.150S

Typ V402 / V402S



Z4



Rouhintaspiraali Z=4, nostava leikkuu, Malli V403

Syöttönopeus 2-16 m/min, 18000-24000 RPM

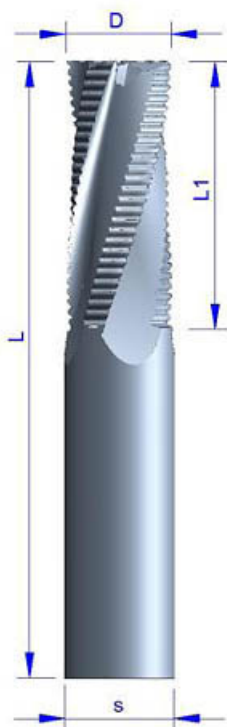
Saatavana myös:

OIK. / PAINAVA LEIKKU (NEG)

VAS. / NOSTAVA LEIKKU (POS)

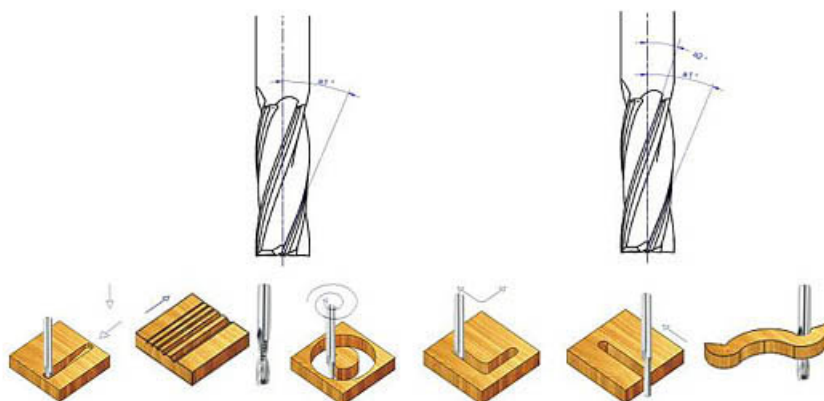
VAS. / PAINAVA LEIKKU (NEG)

Typ V403 / V403S



D	L1	L	s	Z	Art. Nr
10	32	80	10	4	V403.100.032.080
10	42	90	10	4	V403.100.042.900
12	32	80	12	4	V403.120.042.080
12	42	90	12	4	V403.120.042.090
12	52	100	12	4	V403.120.052.100
14	42	90	14	4	V403.140.042.090
14	52	100	14	4	V403.140.052.100
16	32	80	16	4	V403.160.032.080
16	42	90	16	4	V403.160.042.090
16	52	100	16	4	V403.160.052.100
16	62	110	16	4	V403.160.062.110
16	72	120	16	4	V403.160.072.120
18	52	100	18	4	V403.180.052.100
18	72	120	18	4	V403.180.072.120
20	52	100	20	4	V403.200.052.100
20	72	120	20	4	V403.200.072.120
20	85	130	20	4	V403.200.085.130
20	100	150	20	4	V403.200.100.150
25	100	150	25	4	V403.250.100.150

Art. Nr S
V403.100.032.080S
V403.100.042.900S
V403.120.042.080S
V403.120.042.090S
V403.120.052.100S
V403.140.042.090S
V403.140.052.100S
V403.160.032.080S
V403.160.042.090S
V403.160.052.100S
V403.160.062.110S
V403.160.072.120S
V403.180.052.100S
V403.180.072.120S
V403.200.052.100S
V403.200.072.120S
V403.200.085.130S
V403.200.100.150S
V403.250.100.150S



Viimeistelyspiraali rouhintaurilla Z=4 (2+2), nostava leikkuu, Malli V404

Syöttönopeus 2-16 m/min, 18000-24000 RPM

Saatavana myös:

OIK. / PAINAVA LEIKKU (NEG)

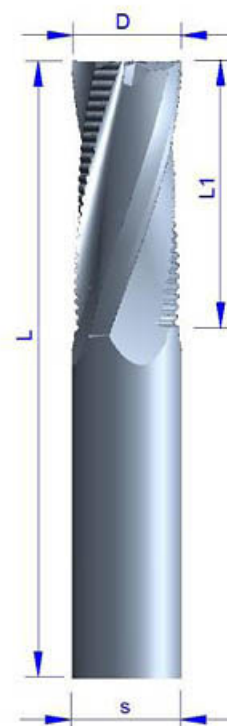
VAS. / NOSTAVA LEIKKU (POS)

VAS. / PAINAVA LEIKKU (NEG)

Z4

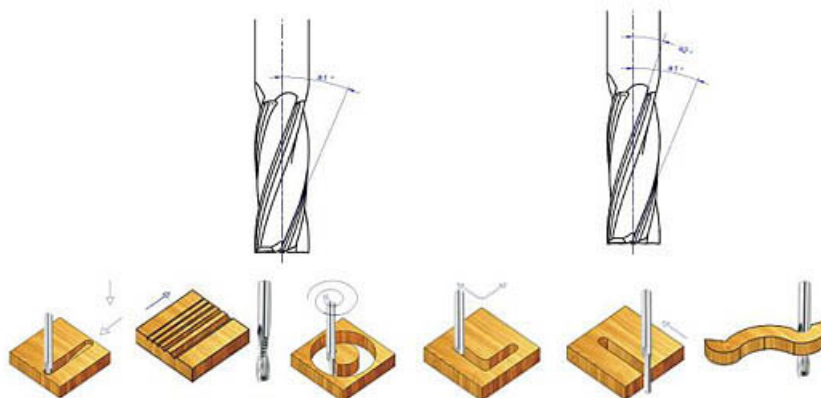


Typ V404 / V404S



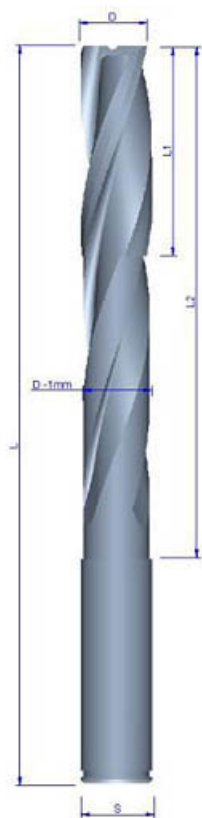
D	L1	L	s	Z	Art. Nr
10	32	80	10	4	V404.100.032.080
10	42	90	10	4	V404.100.042.900
12	32	80	12	4	V404.120.042.080
12	42	90	12	4	V404.120.042.090
12	52	100	12	4	V404.120.052.100
14	42	90	14	4	V404.140.042.090
14	52	100	14	4	V404.140.052.100
16	32	80	16	4	V404.160.032.080
16	42	90	16	4	V404.160.042.090
16	52	100	16	4	V404.160.052.100
16	62	110	16	4	V404.160.062.110
16	72	120	16	4	V404.160.072.120
18	52	100	18	4	V404.180.052.100
18	72	120	18	4	V404.180.072.120
20	52	100	20	4	V404.200.052.100
20	72	120	20	4	V404.200.072.120
20	85	130	20	4	V404.200.085.130
20	100	150	20	4	V404.200.100.150
25	100	150	25	4	V404.250.100.150

Art. Nr S
V404.100.032.080S
V404.100.042.900S
V404.120.042.080S
V404.120.042.090S
V404.120.052.100S
V404.140.042.090S
V404.140.052.100S
V404.160.032.080S
V404.160.042.090S
V404.160.052.100S
V404.160.062.110S
V404.160.072.120S
V404.180.052.100S
V404.180.072.120S
V404.200.052.100S
V404.200.072.120S
V404.200.085.130S
V404.200.100.150S
V404.250.100.150S

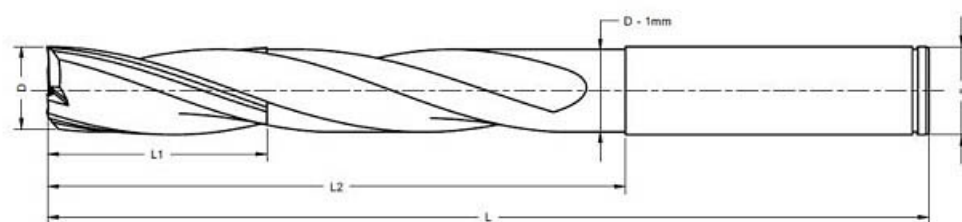
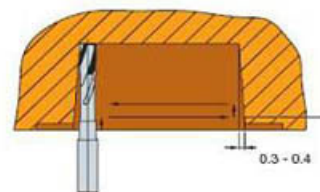


Z3


Viimeistely Lukkopesäijysin Z=3, nostava leikkuu, Malli V501
 Syöttönopeus 4-10 m/min, 18000-24000 RPM
 Saatavana myös:
 ROUHINTA PÄÄTYLEIKKUULLA

Typ V501


D	L1/L2	L	s	Z	Art. nr
12	40/95	150	12	3	V501.120.040.150
14	40/95	150	14	3	V501.140.040.150
14	40/105	170	14	3	V501.140.040.170
16	40/95	150	16	3	V501.160.040.150
16	40/105	170	16	3	V501.160.040.170
18	40/95	150	18	3	V501.180.040.150
18	40/105	170	18	3	V501.180.040.170
20	40/95	150	20	3	V501.200.040.150
20	40/105	170	20	3	V501.200.040.170



Rouhinta Lukkopesäjäyrsin Z=3, nostava leikkuu, Malli V502
Syöttönopeus 4-10 m/min, 18000-24000 RPM

Saatavana myös:

ROUHINTA PÄÄTYLEIKKUULLA

SILEÄLLÄ PÄÄTYLEIKKUULLA (6 mm)

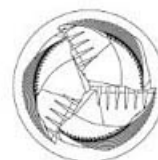
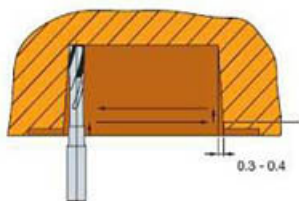
Z3



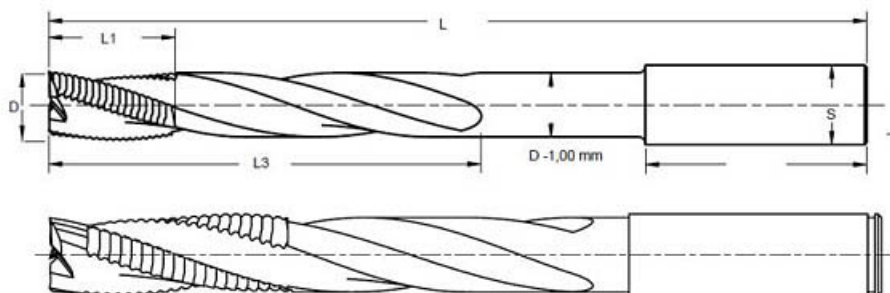
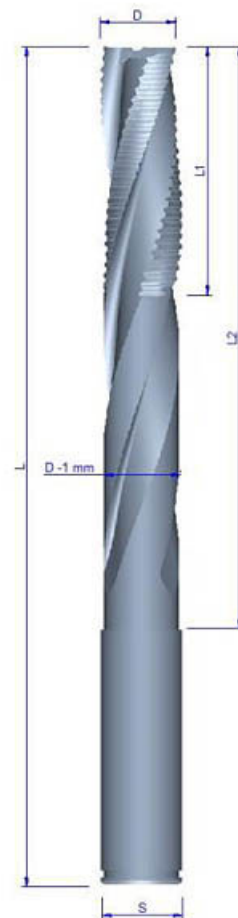
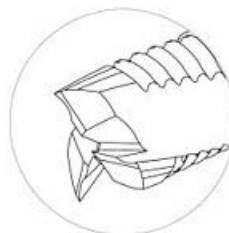
Typ V502

D	L1/L2	L	s	Z	Art. nr
12	40/95	150	12	3	V502.120.040.150
14	40/95	150	14	3	V502.140.040.150
14	40/105	170	14	3	V502.140.040.170
16	40/95	150	16	3	V502.160.040.150
16	40/105	170	16	3	V502.160.040.170
18	40/95	150	18	3	V502.180.040.150
18	40/105	170	18	3	V502.180.040.170
20	40/95	150	20	3	V502.200.040.150
20	40/105	170	20	3	V502.200.040.170

V502 ... CHB



V502 ... GL

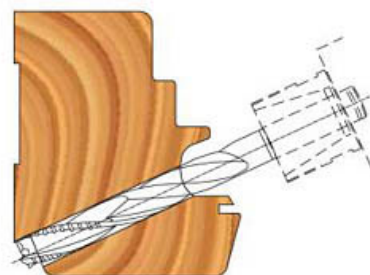


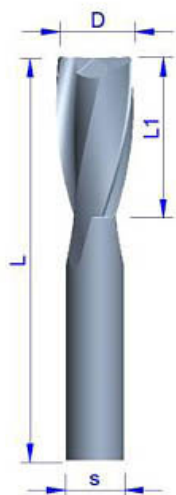
Z3

Typ V503


Viimeistelyspiraali lastunkatkaisu-urilla Z=3, nostava leikkuu, Malli V503
Syöttönopeus 4-10 m/min, 18000–24000 RPM

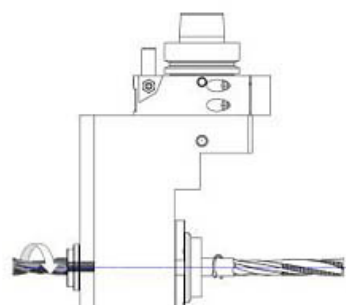
D	L1	L	s	Z	Art. nr
8	30/80	115	8	3	V503.080.030.115
8	30/95	130	8	3	V503.080.030.130
10	30/80	115	10	3	V503.100.030.115
10	30/95	130	10	3	V503.100.030.130
12	30/80	115	12	3	V503.120.030.115
12	30/95	130	12	3	V503.120.030.130


Z2

Typ V504


Viimeistelyspiraali CNC aggregaateille, Z=3, nostava leikkuu, Malli V504
Syöttönopeus 4-10 m/min, 18000–24000 RPM

D	L1	L	s	Z	Art. nr
10	30	80	10	2	V504.100.030.080
12	30	80	10	2	V504.120.030.080
14	30	80	10	2	V504.140.030.080



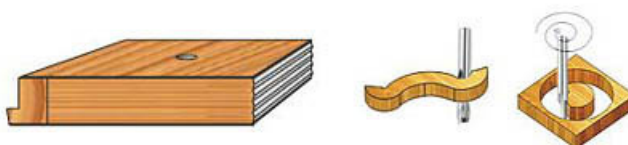
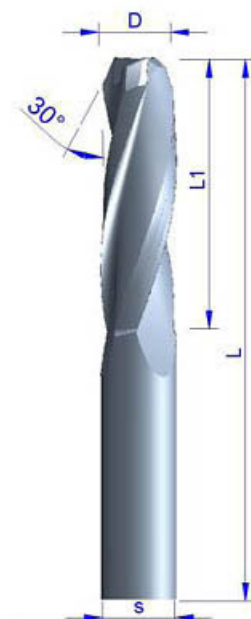
Z3



Viimeistelyspiraali porakärjellä, Z=3, nostava leikkuu, Malli V601
Syöttönopeus 4-10 m/min, 18000–24000 RPM

D	L1	L	s	Z	Art. nr
14	60	110	14	3	V601.140.060.110
14	65	120	14	3	V601.140.065.120
16	60	110	16	3	V601.160.060.110
16	65	120	16	3	V601.160.065.120
18	60	110	18	3	V601.180.060.110
18	65	120	18	3	V601.180.065.120

Typ V601



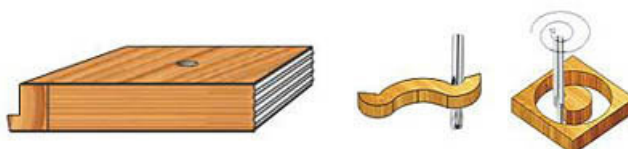
Z3



Typ V602

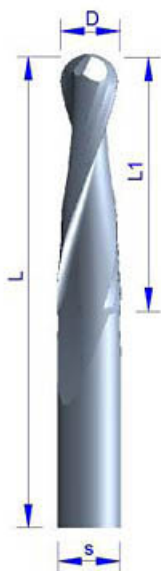
Rouhintaspiraali porakärjellä, Z=3, nostava leikkuu, Malli V602
Syöttönopeus 4-10 m/min, 18000–24000 RPM

D	L1	L	s	Z	Art. nr
14	60	110	14	3	V602.140.060.110
14	65	120	14	3	V602.140.065.120
16	60	110	16	3	V602.160.060.110
16	65	120	16	3	V602.160.065.120
18	60	110	18	3	V602.180.060.110
18	65	120	18	3	V602.180.065.120

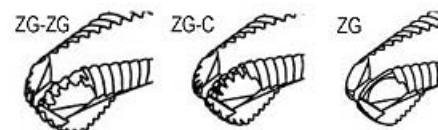
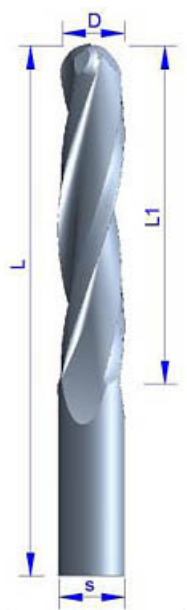


Z2


Viimeistelyspiraali pallopää Z=2, nostava leikkuu, Malli V701
 Syöttönopeus 2-10 m/min, 18000-24000 RPM
 Saatavana myös rouhintaspiraalina

Typ V701


D	L1	L	s	Z	Art. nr
3	10	50	3	2	V701.030.010.050
4	12	50	4	2	V701.040.012.050
5	15	60	5	2	V701.050.015.060
6	15	60	6	2	V701.060.015.060
6	22	70	6	2	V701.060.022.070
8	22	70	8	2	V701.080.022.070
10	32	80	10	2	V701.100.032.080
10	42	100	10	2	V701.100.042.100
12	32	80	12	2	V701.120.032.080
12	42	100	12	2	V701.120.042.100
14	42	100	14	2	V701.140.042.100
16	42	100	16	2	V701.160.042.100
16	52	100	16	2	V701.160.052.100
18	52	100	18	2	V701.180.052.100
20	50	100	20	2	V701.200.050.100
20	100	160	20	2	V701.200.100.160
25	50	100	25	2	V701.250.050.100
25	70	130	25	2	V701.250.070.130


Typ V702


Viimeistelyspiraali pallopää Z=2, nostava leikkuu, Malli V702
 Syöttönopeus 2-10 m/min, 18000-24000 RPM
 Saatavana myös rouhintaspiraalina

D	L1	L	s	Z	Art. nr
10	32	80	10	3	V702.100.032.080
10	42	100	10	3	V702.100.042.100
12	32	80	12	3	V702.120.032.080
12	42	100	12	3	V702.120.042.100
14	42	100	14	3	V702.140.042.100
16	42	100	16	3	V702.160.042.100
16	52	100	16	3	V702.160.052.100
18	52	100	18	3	V702.180.052.100
20	52	100	20	3	V702.200.052.100
20	100	160	20	3	V702.200.100.160
25	52	100	25	3	V702.250.052.100
25	72	130	25	3	V702.250.072.130



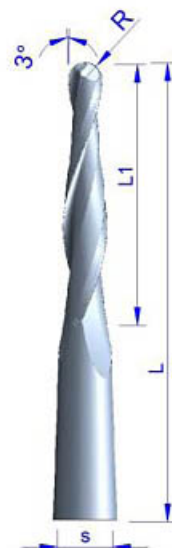
Z2



Viimeistelyspiraali pallopää Z=2, nostava leikkuu, kartio, Malli V703
Syöttönopeus 2-10 m/min, 18000–24000 RPM

R	L1	L	D=s	Z	Art. nr
2	16	80	6	2	V703.02.016.080
3	22	80	8	2	V703.03.022.080
3	32	90	8	2	V703.03.032.090
3	42	100	8	2	V703.03.042.100
4	52	100	12	2	V703.04.052.100
4	62	120	12	2	V703.04.062.120
5	52	120	16	2	V703.05.052.120
5	72	150	16	2	V703.05.072.150

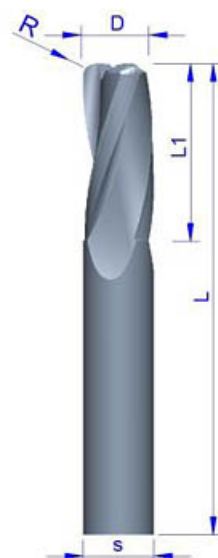
Typ V703



Viimeistelyspiraali pallopää Z=2/3, nostava leikkuu, nurkkapyörästetty kärki, Malli V704
Syöttönopeus 2-10 m/min, 18000–24000 RPM

D	R	L1	L	s	Z	Art. nr
10	2	16	80	10	2	V704.100.016.080R2
12	2	22	80	12	3	V704.120.022.080R2
14	2	32	90	14	3	V704.140.032.090R2
16	2	42	100	16	3	V704.160.042.100R2
16	3	52	100	16	3	V704.160.052.100R3
18	2	62	120	18	3	V704.180.062.120R2
18	3	52	120	18	3	V704.180.052.120R3
20	3	70	120	20	3	V704.200.070.120R3
20	5	70	120	20	3	V704.200.070.120R5

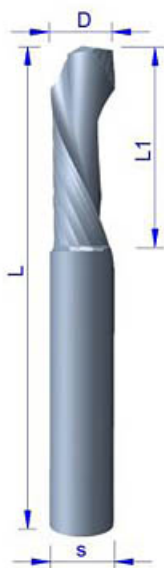
Typ V704



Z 1+1



Typ V801



Viimeistelyspiraali Z1+1, nostava+painava leikkuu, Malli V801
Syöttönopeus 2-10 m/min, 18000–24000 RPM

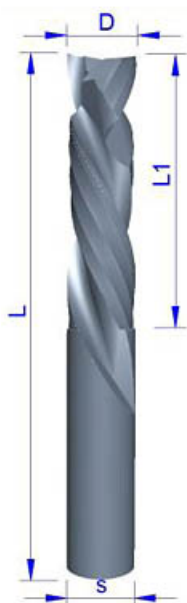
D	L1	L	s	Z	Art. nr
4	12	60	4	1+1	V801.040.012.060
5	15	65	5	1+1	V801.050.015.065
6	17	70	6	1+1	V801.060.017.070
8	22	80	8	1+1	V801.080.022.080
10	22	80	10	1+1	V801.100.022.080
10	32	90	10	1+1	V801.100.032.090
12	22	80	12	1+1	V801.120.022.080
12	32	90	12	1+1	V801.120.032.090



Z 2+2



Typ V802



Viimeistelyspiraali Z2+2, nostava+painava leikkuu, Malli V802
Syöttönopeus 6-16 m/min, 18000–24000 RPM

D	L1	L	s	Z	Art. nr
6	20	70	6	2+2	V802.060.020.070
8	22	80	8	2+2	V802.080.022.080
8	32	90	8	2+2	V802.080.032.090
10	22	80	10	2+2	V802.100.022.080
10	32	90	10	2+2	V802.100.032.090
12	22	80	12	2+2	V802.120.022.080
12	32	90	12	2+2	V802.120.032.090
12	42	100	12	2+2	V802.120.042.100
14	32	90	14	2+2	V802.140.032.090
14	42	100	14	2+2	V802.140.042.100
14	52	110	14	2+2	V802.140.052.110
16	32	90	16	2+2	V802.160.032.090
16	42	100	16	2+2	V802.160.042.100
16	52	110	16	2+2	V802.160.052.110

Z 2+2



Viimeistelyspiraali Z2+2, nostava+painava leikkuu, nestaukseen, Malli V802HP
Syöttönopeus 6-16 m/min, 18000–24000 RPM

D	L1	L	s	Z	Art. nr
8	22	80	8	2+2	V802.080.022.080HP
8	32	90	8	2+2	V802.080.032.090HP
10	22	80	10	2+2	V802.100.022.080HP
10	32	90	10	2+2	V802.100.032.090HP
12	22	80	12	2+2	V802.120.022.080HP
12	32	90	12	2+2	V802.120.032.090HP
12	42	100	12	2+2	V802.120.042.100HP
14	32	90	14	2+2	V802.140.032.090HP
14	42	100	14	2+2	V802.140.042.100HP
14	52	110	14	2+2	V802.140.052.110HP
16	32	90	16	2+2	V802.160.032.090HP
16	42	100	16	2+2	V802.160.042.100HP
16	52	110	16	2+2	V802.160.052.110HP

Typ V802 HP



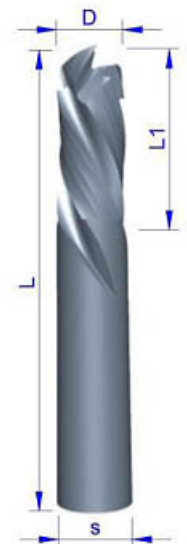
Z 3+3



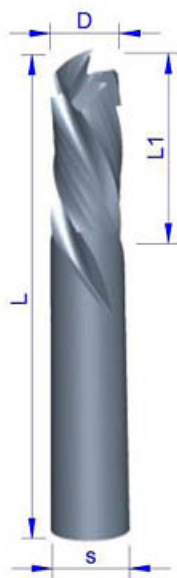
Viimeistelyspiraali Z3+3, nostava+painava leikkuu, Malli V803
Syöttönopeus 8-25 m/min, 18000–24000 RPM

D	L1	L	s	Z	Art. nr
10	25	80	10	3+3	V803.100.025.080
10	32	90	10	3+3	V803.100.032.090
12	25	80	12	3+3	V803.120.025.080
12	32	90	12	3+3	V803.120.032.090
12	42	100	12	3+3	V803.120.042.100
14	32	90	14	3+3	V803.140.032.090
14	42	100	14	3+3	V803.140.042.100
14	52	110	14	3+3	V803.140.052.110
16	32	90	16	3+3	V803.160.032.090
16	42	100	16	3+3	V803.160.042.100
16	52	110	16	3+3	V803.160.052.110

Typ V803



Z 3+3

Typ V803 HP


Viimeistelyspiraali Z3+3, nostava+painava leikkuu, nestaukseen, Malli V803HP
Syöttönopeus 8-25 m/min, 18000–24000 RPM

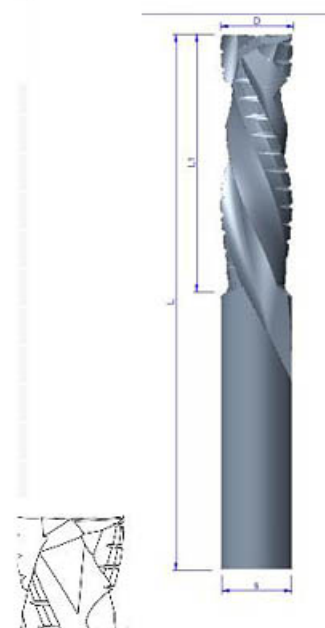
D	L1	L	s	Z	Art. nr
10	25	80	10	3+3	V803.100.025.080HP
10	32	90	10	3+3	V803.100.032.090HP
12	25	80	12	3+3	V803.120.025.080HP
12	32	90	12	3+3	V803.120.032.090HP
12	42	100	12	3+3	V803.120.042.100HP
14	32	90	14	3+3	V803.140.032.090HP
14	42	100	14	3+3	V803.140.042.100HP
14	52	110	14	3+3	V803.140.052.110HP
16	32	90	16	3+3	V803.160.032.090HP
16	42	100	16	3+3	V803.160.042.100HP
16	52	110	16	3+3	V803.160.052.110HP


Z 2+2


Viimeistelyspiraali Z2+2, nostava+painava leikkuu,
nestaukseen, lastunkatkaisu-urilla, Malli V805
Syöttönopeus 10–30 m/min, 18000–24000 RPM

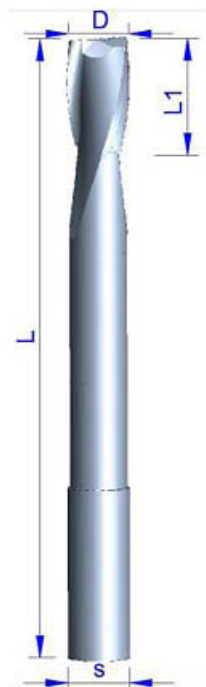
Typ V805

D	L1	L	s	Z	Art. nr	Art. Nr HP
8	22	80	8	2+2	V805.080.022.080	V805.080.022.080HP
8	32	90	8	2+2	V805.080.032.090	V805.080.032.090HP
10	22	80	10	2+2	V805.100.022.080	V805.100.022.080HP
10	32	90	10	2+2	V805.100.032.090	V805.100.032.090HP
12	22	80	12	2+2	V805.120.022.080	V805.120.022.080HP
12	32	90	12	2+2	V805.120.032.090	V805.120.032.090HP
12	42	100	12	2+2	V805.120.042.100	V805.120.042.100HP
14	32	90	14	2+2	V805.140.032.090	V805.140.032.090HP
14	42	100	14	2+2	V805.140.042.100	V805.140.042.100HP
14	52	110	14	2+2	V805.140.052.110	V805.140.052.110HP
16	32	90	16	2+2	V805.160.032.090	V805.160.032.090HP
16	42	100	16	2+2	V805.160.042.100	V805.160.042.100HP
16	52	110	16	2+2	V805.160.052.110	V805.160.052.110HP

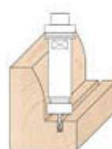


Viimeistelyspiraali Z=2/3,nostava leikkuu, 3D-jyrsintään , Malli V901
Syöttönopeus 2-10 m/min, 16000–20000 RPM

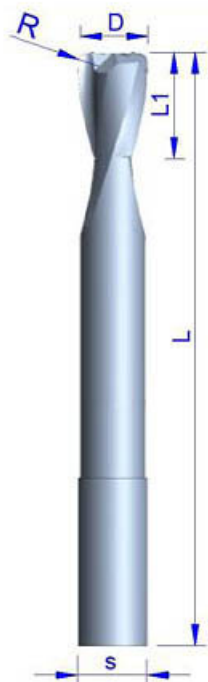
Typ V901 - 3D



D	L1	L	s	Z	Art. nr
8	30	120	8	2	V901.080.030.120.Z2
10	30	140	10	2	V901.100.030.140.Z2
12	40	150	12	2	V901.120.040.150.Z2
12	40	150	12	3	V901.120.040.150.Z3
16	40	180	16	2	V901.160.040.180.Z2
16	40	180	16	3	V901.160.040.180.Z3
20	40	200	20	2	V901.200.040.200.Z2
20	40	200	20	3	V901.200.040.200.Z3
25	50	220	25	2	V901.250.050.220.Z2
25	50	220	25	3	V901.250.050.220.Z3
25	50	220	25	4	V901.250.050.220.Z4



Typ V902 - 3D



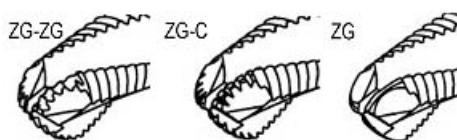
Viimeistelyspiraali Z=2/3,nostava leikkuu, 3D-jyrsintään ,nurkkapyörästetty kärki, Malli V902
Syöttönopeus 2-10 m/min, 16000–20000 RPM

D	R	L1	L	s	Z	Art. nr
8	2	30	120	8	2	V902.080.030.120.Z2R2
10	2	30	140	10	2	V902.100.030.140.Z2R2
12	3	40	150	12	2	V902.120.040.150.Z2R3
12	3	40	150	12	3	V902.120.040.150.Z3R3
16	3	40	180	16	2	V902.160.040.180.Z2R3
16	3	40	180	16	3	V902.160.040.180.Z3R3
20	3	40	200	20	2	V902.200.040.200.Z2R3
20	3	40	200	20	3	V902.200.040.200.Z3R3
25	3	50	220	25	2	V902.250.050.220.Z2R3
25	3	50	220	25	3	V902.250.050.220.Z3R3
25	3	50	220	25	4	V902.250.050.220.Z4R3

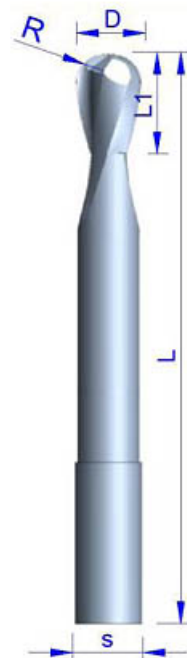


Viimeistelyspiraali pallopää Z=2/3, nostava leikkuu, 3D-jyrsintään, Malli V903
Syöttönopeus 2-10 m/min, 16000-20000 RPM
Saatavana myös rouhintaspiraalina

D	L1	L	s	Z	Art. nr
6	20	120	6	2	V903.060.020.120.Z2
8	30	120	8	2	V903.080.030.120.Z2
10	30	140	10	2	V903.100.030.140.Z2
12	40	150	12	2	V903.120.040.150.Z2
12	40	150	12	3	V903.120.040.150.Z3
16	40	180	16	2	V903.160.040.180.Z2
16	40	180	16	3	V903.160.040.180.Z3
20	40	200	20	2	V903.200.040.200.Z2
20	40	200	20	3	V903.200.040.200.Z3
25	50	220	25	2	V903.250.050.220.Z2
25	50	220	25	3	V903.250.050.220.Z3
25	50	220	25	4	V903.250.050.220.Z4



Typ V903 - 3D

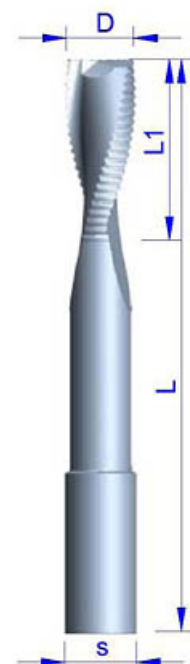


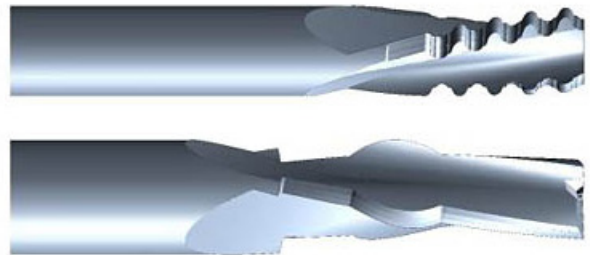
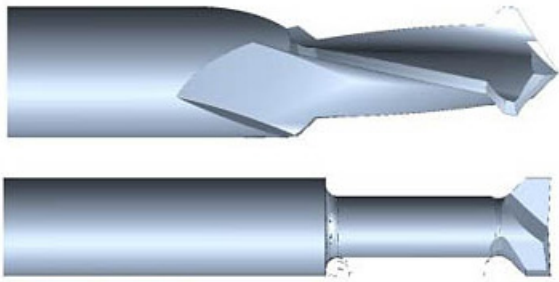
Rouhintaspiraali Z=2/3, nostava leikkuu, 3D-jyrsintään, Malli V904
Syöttönopeus 2-10 m/min, 16000-20000 RPM

D	L1	L	s	Z	Art. nr
8	30	120	8	2	V904.080.030.120.Z2
10	30	140	10	2	V904.100.030.140.Z2
12	40	150	12	2	V904.120.040.150.Z2
12	40	150	12	3	V904.120.040.150.Z3
16	40	180	16	2	V904.160.040.180.Z2
16	40	180	16	3	V904.160.040.180.Z3
20	40	200	20	2	V904.200.040.200.Z2
20	40	200	20	3	V904.200.040.200.Z3
25	50	220	25	2	V904.250.050.220.Z2
25	50	220	25	3	V904.250.050.220.Z3
25	50	220	25	4	V904.250.050.220.Z4



Typ V904 - 3D





Erikoisvalmisteiset jyrsimet , Malli V999

Tarvittavat tiedot:

- *halkaisija
- *pituus
- *pyörimissuunta
- *muoto
- *varren halkaisija
- *käyttökohde

Typ V999

