

E

**Series 21 Wood Router - Up Cut
Micrograin Solid Carbide**

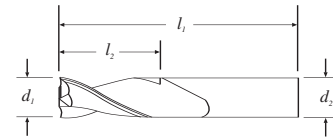
For Wood, Plastic and Other Nonferrous Materials
2 Flute - Right Hand Spiral - Right Hand Cutting.

**Series 22 Wood Router - Down Cut
Micrograin Solid Carbide**

Micrograin Solid Carbide

For Wood, Plastic and Other Nonferrous Materials,
2 Flute - Left Hand Spiral - Right Hand Cutting.

21



Cutting Diameter d_1	Length of Cut l_2	Overall Length l_1	Shank Diameter d_2	Uncoated EDP No.
1/8	1/2	2	1/4	90001
5/32	5/8	2-1/2	1/4	90005
3/16	3/4	2-1/2	1/4	90009
1/4	3/4	2-1/2	1/4	90013
1/4	1	2-1/2	1/4	90017
5/16	1	2-1/2	5/16	90021
5/16	1	3	1/2	90025
3/8	1	2-1/2	3/8	90029
3/8	1-1/4	3	1/2	90033
1/2	1-1/4	3	1/2	90037
1/2	1-1/2	3-1/2	1/2	90041
1/2	2	4	1/2	90045
5/8	2	4-1/2	5/8	90049
3/4	2	4-1/2	3/4	90053

TOLERANCES
$d_1 = +.000-.003$
$d_2 = -.0001-.0004$

TECHNICAL
° 78-79

ES

**Serie 21 - Fresa para madera
- Corte hacia arriba**

Carburo sólido con micrograno

Para madera, plástico y otros materiales no ferrosos

2 filos - hélice a derecha - corte a derecha.

**Serie 22 - Fresa para madera
- Corte hacia abajo**

Carburo sólido con micrograno

Para madera, plástico y otros materiales no ferrosos

2 filos - hélice a izquierda - corte a derecha.

2

FR

**Série 21 - Fraise pour bois
- Coupe ascendante**

Carbure monobloc, micrograin

Pour bois, matières synthétiques et métaux non-ferreux

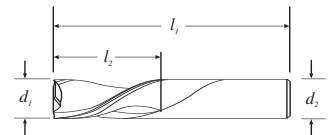
- Hélice à droite - Coupe à droite - 2 dents

**Série 22 - Fraise pour bois
- Coupe descendante**

Carbure monobloc, micrograin

Pour bois, matières synthétiques et métaux non-ferreux - Hélice à gauche - Coupe à droite - 2 dents

22



Cutting Diameter d_1	Length of Cut l_2	Overall Length l_1	Shank Diameter d_2	Uncoated EDP No.
1/8	1/2	2	1/4	91001
5/32	5/8	2-1/2	1/4	91005
3/16	3/4	2-1/2	1/4	91009
1/4	3/4	2-1/2	1/4	91013
1/4	1	2-1/2	1/4	91017
5/16	1	2-1/2	5/16	91021
5/16	1	3	1/2	91025
3/8	1	2-1/2	3/8	91029
3/8	1-1/4	3	1/2	91033
1/2	1-1/4	3	1/2	91037
1/2	1-1/2	3-1/2	1/2	91041
1/2	2	4	1/2	91045
5/8	2	4-1/2	5/8	91049
3/4	2	4-1/2	3/4	91053

TOLERANCES
$d_1 = +.000-.003$
$d_2 = -.0001-.0004$

TECHNICAL
° 78-79