

DRILL AND MILLING BITS



HSS HIGH SPEED DRILL BITS (Other dimensions and packages please consult us.)

Ø 0,6 mm
Ø 0,8 mm
Ø 1,0 mm
Ø 1,2 mm

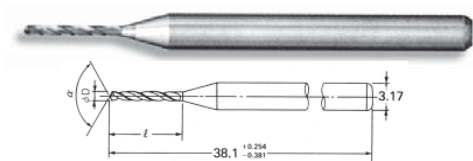


Reference
10 pcs **AR 29**
10 pcs **AR 30**
10 pcs **AR 31**
10 pcs **AR 32**

Ø 1,5 mm
Ø 2,0 mm
Case with 25 HSS drill bits Ø 1,0 to 13 mm x 0,5
Case with 50 HSS drill bits Ø 1,0 to 5,9 mm x 0,1

Reference
10 pcs **AR 33**
10 pcs **AR 34**
Unit **DU 590**
Unit **DU 591**

CARBIDE DRILL BITS - Mono piece, reinforced 3,17 shank. In stock from 0,4 mm to 3,17mm - Minimum drilling speed 20.000 rpm. with larger diameters the drilling speed needs to be increased. - Descending height speed from 1,6 to 4 mm / min max. - Optional drill bits with ring - Other dimensions and packages please consult us



Ø mm	Ref	Ø mm	Ref	Ø mm	Ref	Ø mm	Ref	Ø mm	Ref	Ø mm	Ref
0,4	DU 64	0,9	DU 69	1,4	DU 74	1,9	DU 79	2,4	DU 84	2,9	DU 89
0,5	DU 65	1,0	DU 70	1,5	DU 75	2,0	DU 80	2,5	DU 85	3,0	DU 90
0,6	DU 66	1,1	DU 71	1,6	DU 76	2,1	DU 81	2,6	DU 86		
0,7	DU 67	1,2	DU 72	1,7	DU 77	2,2	DU 82	2,7	DU 87	3,17	DU 91
0,8	DU 68	1,3	DU 73	1,8	DU 78	2,3	DU 83	2,8	DU 88		



CARBIDE MILLING BIT

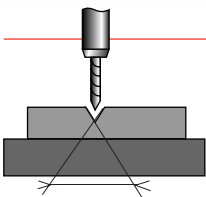
Shank 3,17mm
Use : routing of printed circuit boards



Ø mm	Dim. C	Rpm	Advance m/mm	Ref
2,0	8,0	22 to 27 000	1,0 to 1,5	DUFD 1
2,5	9,5	16 to 23 000	1,0 to 1,8	DUFD 2
3,17	10,0	16 to 23 000	1,0 to 1,5	DUFD 3

ANGLED ENGRAVING BITS

One piece carbide - Shank 3,17mm - front face

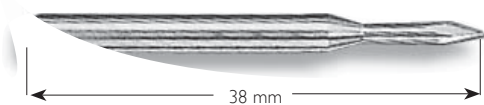


Ø mm	-	Rpm	Advance m/mm	Ref
2,0	30°	50 to 60 000	0,6 to 1,2	DU 11
2,4	60°	45 to 55 000	0,8 to 1,5	DU 12
3,17	90°	40 to 50 000	1,0 to 1,8	DU 13
3,17	60°	40 to 50 000	1,0 to 1,8	DU 14

ANGLED ENGRAVING BIT

One-piece carbide Ø 3,17mm and a conic angle 60 °
A high precision bit to engrave tracks of 0,2 mm width

Reference
DW 101010



MILLING BIT FOR FLAT SURFACES

One-piece carbide shank 3,17 mm - Mills with two levels (side and front) which gives very clean surface

Ø mm	Length mm	Rpm	Advance m/mm	Ref
1,0	4,0	24 to 30 000	0,2 to 0,4	DU 1
1,6	6,35	24 to 30 000	0,4	DU 2
2,0	8,0	24 to 30 000	0,4	DU 3
2,4	8,0	24 to 30 000	0,4	DU 4
3,0	8,0	15 to 24 000	0,7 to 1,2	DU 5

MILLING BIT FOR MARMER SURFACES

Diameters 14 mm or 8 mm (to be used with the special pliers)

DU 200

MILLING BIT FOR PLASTICS



One-piece carbide shank 3,17 mm. Mills with two levels (side and front), which gives very clean surface
For all plastic materials : PVC, polystyrene, ABS,...

Tool
N° 650
N° 199
N° 115

Ref
DU 650
DU 199
DU 115