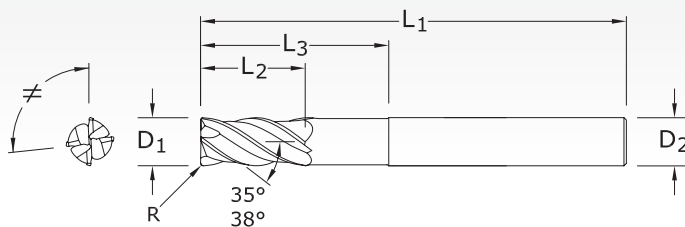




Z-Carb-AP Variable Rake End Mills



TOLERANCES (inch)

1/4 DIAMETER

$D_1 = +0.000/-0.0012$

$D_2 = h_6$

$R = +0.000/-0.0020$

>1/4-3/8 DIAMETER

$D_1 = +0.000/-0.0016$

$D_2 = h_6$

$R = +0.000/-0.0020$

>3/8-1 DIAMETER

$D_1 = +0.000/-0.0020$

$D_2 = h_6$

$R = +0.000/-0.0020$

Z1PLC

FRACTIONAL SERIES

TECH INFO 57

inch						EDP NO.
CUTTING DIAMETER D_1	LENGTH OF CUT L_2	OVERALL LENGTH L_1	SHANK DIAMETER D_2	REACH L_3	CORNER RADIUS R	TI-NAMITE-X W/FLAT
1/4	1/2	4	1/4	1-1/4	0.020	36450
5/16	13/16	4	5/16	1-5/8	0.020	36452
3/8	7/8	5	3/8	1-7/8	0.020	36456
7/16	1	6	7/16	2	0.020	36460
1/2	1	6	1/2	2-1/4	0.030	36462
9/16	1-1/8	6	9/16	2-1/2	0.030	36466
5/8	1-1/4	6	5/8	3	0.040	36470
3/4	1-1/2	6	3/4	3-1/2	0.040	36472
1	1-1/2	6	1	4	0.040	36474

- STEELS
- STAINLESS STEELS
- CAST IRON
- HIGH TEMP ALLOYS
- TITANIUM

TOLERANCES (mm)

6 DIAMETER

$D_1 = +0,000/-0,030$

$D_2 = h_6$

$R = +0,000/-0,050$

>6-10 DIAMETER

$D_1 = +0,000/-0,040$

$D_2 = h_6$

$R = +0,000/-0,050$

>10-25 DIAMETER

$D_1 = +0,000/-0,050$

$D_2 = h_6$

$R = +0,000/-0,050$

Z1MPLC

METRIC SERIES

TECH INFO 58

mm						EDP NO.
CUTTING DIAMETER D_1	LENGTH OF CUT L_2	OVERALL LENGTH L_1	SHANK DIAMETER D_2	REACH L_3	CORNER RADIUS R	TI-NAMITE-X W/FLAT
6,0	8,0	75,0	6,0	24,0	0,5	46821
8,0	10,0	75,0	8,0	32,0	1,0	46822
8,0	10,0	75,0	8,0	32,0	2,0	46823
10,0	12,0	100,0	10,0	40,0	1,0	46824
10,0	12,0	100,0	10,0	40,0	2,0	46825
12,0	15,0	100,0	12,0	48,0	1,0	46826
12,0	15,0	100,0	12,0	48,0	1,5	46827
12,0	15,0	100,0	12,0	48,0	2,0	46828
12,0	15,0	100,0	12,0	48,0	3,0	46829
16,0	20,0	115,0	16,0	65,0	1,0	46830
16,0	20,0	115,0	16,0	65,0	1,5	46831
16,0	20,0	115,0	16,0	65,0	2,0	46832
16,0	20,0	115,0	16,0	65,0	3,0	46833
16,0	20,0	115,0	16,0	65,0	4,0	46834
16,0	20,0	115,0	16,0	65,0	5,0	46835
20,0	24,0	140,0	20,0	80,0	1,0	46836
20,0	24,0	140,0	20,0	80,0	1,5	46737
20,0	24,0	140,0	20,0	80,0	2,0	46838
20,0	24,0	140,0	20,0	80,0	3,0	46839
20,0	24,0	140,0	20,0	80,0	4,0	46840
20,0	24,0	140,0	20,0	80,0	5,0	46841

U.S. Patents 7,306,408 and 7,789,597

