

ASP60 END MILLS



CONTENTS

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2 FLUTE, HELIX 30°, SHORT LENGTH



PART NUMBER	COATING
1321800.....	TiAIN

2

3 FLUTE, HELIX 30°, SHORT LENGTH



PART NUMBER	COATING
1331800.....	TiAIN

3

4 FLUTE, HELIX 30°, SHORT LENGTH



PART NUMBER	COATING
1341800.....	TiAIN

4

3-4-5 FLUTE, ROUGHER, HELIX 30°, SHORT LENGTH



PART NUMBER	COATING
1351800.....	TiAIN

5

3-4-5-6 FLUTE, ROUGHER, HELIX 45°



PART NUMBER	COATING
1351820.....	TiAIN

6

3 FLUTE, ROUGHER, HELIX 42°, SHORT LENGTH, *FOR ALUMINUM*



PART NUMBER	COATING
1351840.....	TiAIN

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3 FLUTE, ROUGHER, HELIX 42°, LONG LENGTH, *FOR ALUMINUM*



PART NUMBER	COATING
1351850.....	TiAIN

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ASP60
END MILLS

2 FLUTE, HELIX 30°, SHORT LENGTH

DIN
327

TiAIN

ASP
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PART NUMBER FLAT SHANK	MILL Ø D1	SHANK Ø D2	LENGTH OF CUT L1	OVERALL LENGTH L3
132180000100	1.0	6	2.5	47
132180000200	2.0	6	4	48
132180000300	3.0	6	5	49
132180000400	4.0	6	7	51
132180000500	5.0	6	8	52
132180000600	6.0	6	8	52
132180000700	7.0	10	10	60
132180000800	8.0	10	11	61
132180000900	9.0	10	11	61
132180001000	10.0	10	13	63
132180001200	12.0	12	16	73
132180001400	14.0	12	16	73
132180001600	16.0	16	19	79
132180001800	18.0	16	19	79
132180002000	20.0	20	22	88
132180002200	22.0	20	22	88
132180002500	25.0	25	26	102



Tolerance range in μ						
Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
e8	-14	-20	-25	-32	-40	-50
	-28	-38	-47	-59	-73	-89
h6	0	0	0	0	0	0
	-6	-8	-9	-11	-13	-16

3 FLUTE, HELIX 30°, SHORT LENGTH

DIN
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3

PART NUMBER FLAT SHANK	MILL Ø D1	SHANK Ø D3	LENGTH OF CUT L1	OVERALL LENGTH L3
133180000100	1.0	6	2.5	47
133180000200	2.0	6	4	48
133180000300	3.0	6	5	49
133180000400	4.0	6	7	51
133180000500	5.0	6	8	52
133180000600	6.0	6	8	52
133180000700	7.0	10	10	60
133180000800	8.0	10	11	61
133180000900	9.0	10	11	61
133180001000	10.0	10	13	63
133180001200	12.0	12	16	73
133180001400	14.0	12	16	73
133180001600	16.0	16	19	79
133180001800	18.0	16	19	79
133180002000	20.0	20	22	88
133180002200	22.0	20	22	88
133180002500	25.0	25	26	102



Tolerance range in μ

Nominal-Diameter in mm

	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
e8	-14	-20	-25	-32	-40	-50
	-28	-38	-47	-59	-73	-89
h6	0	0	0	0	0	0
	-6	-8	-9	-11	-13	-16

4 FLUTE, HELIX 30°, SHORT LENGTH

DIN
844

TiAIN

ASP
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PART NUMBER FLAT SHANK	MILL Ø D1	SHANK Ø D2	LENGTH OF CUT L1	OVERALL LENGTH L3
134180000600	6.0	6	13	57
134180000800	8.0	8	19	69
134180001000	10.0	10	22	72
134180001200	12.0	12	26	83
134180001400	14.0	12	26	83
134180001600	16.0	16	32	92
134180001800	18.0	16	32	92
134180002000	20.0	20	38	104
134180002200	22.0	20	38	104
134180002500	25.0	25	45	121



Tolerance	
MILL Ø TOLERANCE	+0.03 0
SHANK Ø TOLERANCE	h6

3-4-5 FLUTE, ROUGHER, HELIX 30°, SHORT LENGTH

DIN
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ASP
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PART NUMBER FLAT SHANK	MILL Ø D1	SHANK Ø D2	LENGTH OF CUT L1	OVERALL LENGTH L3	No. of FLUTE
135180000600	6.0	6	13	57	3
135180000700	7.0	8	16	66	3
135180000800	8.0	8	19	69	3
135180000900	9.0	10	19	69	3
135180001000	10.0	10	22	72	4
135180001200	12.0	12	26	83	4
135180001400	14.0	12	26	83	4
135180001600	16.0	16	32	92	4
135180001800	18.0	16	32	92	4
135180002000	20.0	20	38	104	4
135180002200	22.0	20	38	104	5
135180002500	25.0	25	45	121	5



Tolerance range in μ
Nominal-Diameter in mm

	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
js12	±50	±60	±75	±90	±105	±125
h6	0	0	0	0	0	0
	-6	-8	-9	-11	-13	-16

3-4-5-6 FLUTE, ROUGHER, HELIX 45°

TiAIN

ASP
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PART NUMBER FLAT SHANK	MILL Ø D1	SHANK Ø D2	LENGTH OF CUT L1	OVERALL LENGTH L3	No. of FLUTE
135182000400	4.0	6	11	57	3
135182000500	5.0	6	13	57	4
135182000600	6.0	6	16	57	4
135182000700	7.0	8	16	63	4
135182000800	8.0	8	16	63	4
135182000900	9.0	10	19	72	4
135182001000	10.0	10	22	72	4
135182001200	12.0	12	25	83	4
135182001400	14.0	14	32	83	4
135182001600	16.0	16	32	92	5
135182001800	18.0	18	32	92	6
135182002000	20.0	20	38	104	6
135182002500	25.0	25	45	121	6



	Tolerance range in μ					
	Nominal-Diameter in mm					
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
js12	±50	±60	±75	±90	±105	±125
h6	0	0	0	0	0	0
	-6	-8	-9	-11	-13	-16

3 FLUTE, ROUGHER, HELIX 42°, SHORT LENGTH

FOR ALUMINUM

TiAlN

ASP
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PART NUMBER FLAT SHANK	MILL Ø D1	SHANK Ø D2	LENGTH OF CUT L1	OVERALL LENGTH L3
135184001200	12.0	12	26	83
135184001400	14.0	12	26	83
135184001600	16.0	16	32	92
135184001800	18.0	16	32	92
135184002000	20.0	20	38	104
135184002500	25.0	25	45	121



Tolerance range in μ
Nominal-Diameter in mm

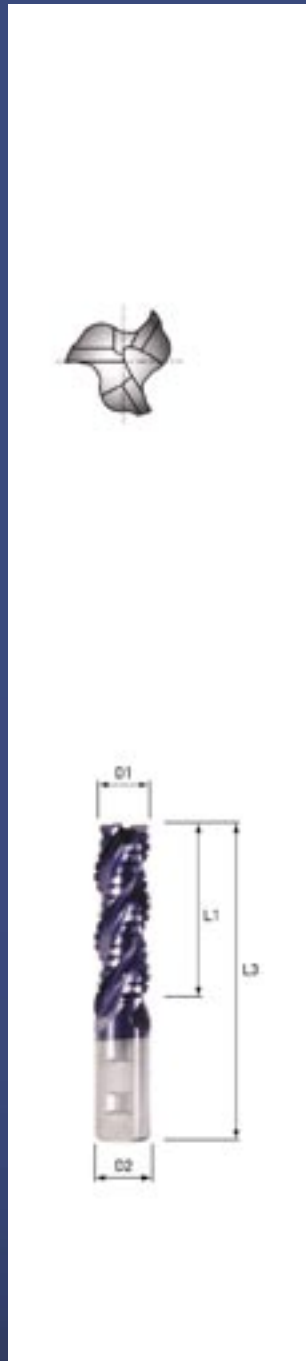
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
js12	±50	±60	±75	±90	±105	±125
h6	0	0	0	0	0	0
	-6	-8	-9	-11	-13	-16

3 FLUTE, ROUGHER, HELIX 42°, LONG LENGTH

FOR ALUMINUM



PART NUMBER FLAT SHANK	MILL Ø D1	SHANK Ø D2	LENGTH OF CUT L1	OVERALL LENGTH L3
135185001200	12.0	12	53	110
135185001400	14.0	12	53	110
135185001600	16.0	16	63	123
135185001800	18.0	16	63	123
135185002000	20.0	20	75	141
135185002500	25.0	25	90	166



	Tolerance range in μ					
	Nominal-Diameter in mm					
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
js12	±50	±60	±75	±90	±105	±125
h6	0	0	0	0	0	0
	-6	-8	-9	-11	-13	-16

