

4 FLUTE APOLLO

0.1250" - 1.0000" DIAMETER

Variable Helix

Unequal Flutes to Reduce Chatter

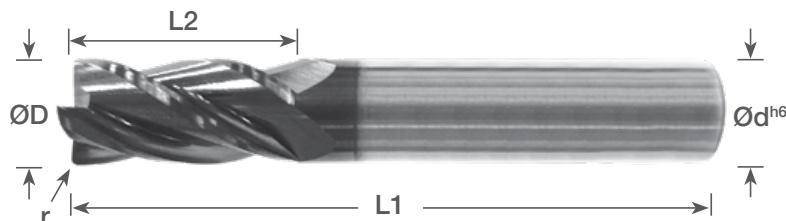
Can be used as a rougher or a finishing tool

VARIABLE HELIX END MILLS

Excellent for Alloy Steel, Nickel Inconel Alloys, Stainless Steel, and Carbon Steel

Excellent for Alloy Steel, Nickel Steel, Stainless Steel, and Carbon Steel

AICrN Coating



STUB Length (Inch Sizes)

AICrN Coating		Dimensions (in)				
Part Number	Stock	ØD	Ød ^{h6}	L1	L2	r
AP4-2500.500	●	0.2500 (1/4)	1/4	2	1/2	0.015 - 0.020
AP4-3125.500	●	0.3125 (5/16)	5/16	2	1/2	0.015 - 0.020
AP4-3750.625	●	0.3750 (3/8)	3/8	2	5/8	0.015 - 0.020
AP4-5000.625	●	0.5000 (1/2)	1/2	2 1/2	5/8	0.025 - 0.030
AP4-6250.750	●	0.6250 (5/8)	5/8	3	3/4	0.030 - 0.035
AP4-7500.1000	●	0.7500 (3/4)	3/4	3	1	0.030 - 0.035

STANDARD Length (Inch Sizes)

AICrN Coating		Dimensions (in)				
Part Number	Stock	ØD	Ød ^{h6}	L1	L2	r
AP4-1250.500	●	0.1250 (1/8)	1/8	1 1/2	1/2	0.010 - 0.015
AP4-1875.625	●	0.1875 (3/16)	3/16	2	5/8	0.015 - 0.020
AP4-2500.750	●	0.2500 (1/4)	1/4	2 1/2	3/4	0.015 - 0.020
AP4-3125.813	●	0.3125 (5/16)	5/16	2 1/2	13/16	0.015 - 0.020
AP4-3750.1000	●	0.3750 (3/8)	3/8	2 1/2	1	0.015 - 0.020
AP4-4375.1000	●	0.4375 (7/16)	7/16	2 3/4	1	0.015 - 0.020
AP4-5000.1000	●	0.5000 (1/2)	1/2	3	1	0.025 - 0.030
AP4-6250.1250	●	0.6250 (5/8)	5/8	3 1/2	1 1/4	0.030 - 0.035
AP4-7500.1500	●	0.7500 (3/4)	3/4	4	1 1/2	0.030 - 0.035
AP4-10000.1500	●	1.0000 (1)	1	4	1 1/2	0.030 - 0.035

LONG Length (Inch Sizes)

AICrN Coating		Dimensions (in)				
Part Number	Stock	ØD	Ød ^{h6}	L1	L2	r
AP4-2500.1125	●	0.2500 (1/4)	1/4	3	1 1/8	0.015 - 0.020
AP4-3125.1125	●	0.3125 (5/16)	5/16	3	1 1/8	0.015 - 0.020
AP4-3750.1125	●	0.3750 (3/8)	3/8	3	1 1/8	0.015 - 0.020
AP4-5000.2000	●	0.5000 (1/2)	1/2	4	2	0.025 - 0.030
AP4-6250.2250	●	0.6250 (5/8)	5/8	5	2 1/4	0.030 - 0.035
AP4-7500.2250	●	0.7500 (3/4)	3/4	5	2 1/4	0.030 - 0.035

Cutting Diameter Tolerances

0.1250" - 0.2500" = +0.0000/-0.0012
 0.3125" - 0.3750" = +0.0000/-0.0016
 0.4375" - 1.0000" = +0.0000/-0.0020

APOLLO SERIES AP4 WORKPIECE MATERIAL

Coating	P	P	H	H	M	K	N	N	N	N	N	N	N	S	S	
	Steel ~30HRC	Steel 30-40HRC	Hardened Steel ~55HRC	Hardened Steel ~68HRC	Stainless Steel	Cast Iron	Aluminum	Graphite	Copper Alloy	Brass	CFRP	Plastic	Thermoset Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
AICrN	☆	☆	★	★	★	☆			☆	☆					★	★

★ : Priority ☆ : Applicable Materials

Recommended Cutting Conditions Page L228-L229

Symbol Descriptions Page L3

● : U.S. Stock Standard
 ■ : NOT STOCKED - Call for Delivery

(U.S.) 1.888.848.8449
 (International) 001.714.428.3636
 Visit us online at KyoceraPrecisionTools.com

INSERT GRADES **A**
 TURNING INSERTS **B**
 GEN/PCD INSERTS **C**
 TURNING HOLDERS **D**
 SMALL TOOLS **E**
 BORING **F**
 GROOVING **G**
 CUT-OFF **H**
 THREADING **J**
 DRILLING **K**
 SOLID TOOLS **L**
 MILLING **M**
 HSK TOOLING **N**
 SPARE PARTS **P**
 TECHNICAL **R**
 INDEX **T**

4 FLUTE APOLLO

3.00mm - 25.00mm DIAMETER

Variable Helix

Unequal Flutes to Reduce Chatter

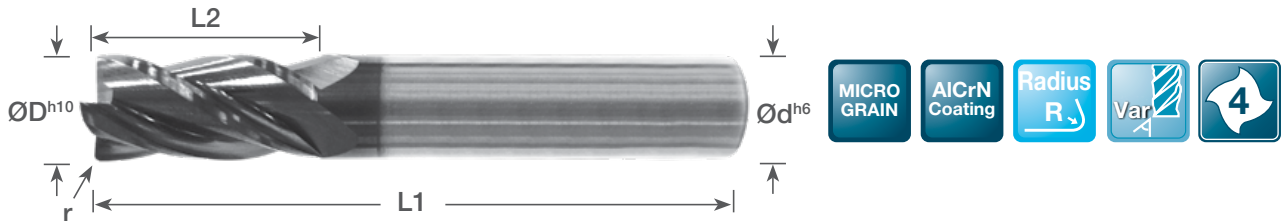
Can be used as a rougher or a finishing tool

VARIABLE HELIX END MILLS

Excellent for Alloy Steel, Nickel Inconel Alloys, Stainless Steel, and Carbon Steel

Excellent for Alloy Steel, Nickel Steel, Stainless Steel, and Carbon Steel

AlCrN Coating



STUB Length (Metric Sizes)

AlCrN Coating		Dimensions (mm)				
Part Number	Stock	ØD ^{h10}	Ød ^{h6}	L1	L2	r
AP4M-1181.236	●	3.00	3.00	38.00	6.00	0.40
AP4M-2362.394	●	6.00	6.00	50.00	10.00	0.40
AP4M-3150.472	●	8.00	8.00	50.00	12.00	0.40
AP4M-3937.787	●	10.00	10.00	50.00	12.00	0.40
AP4M-4724.630	●	12.00	12.00	63.00	16.00	0.70
AP4M-6299.787	●	16.00	16.00	89.00	20.00	0.70
AP4M-7874.866	●	20.00	20.00	100.00	22.00	0.70

STANDARD Length (Metric Sizes)

AlCrN Coating		Dimensions (mm)				
Part Number	Stock	ØD ^{h10}	Ød ^{h6}	L1	L2	r
AP4M-1575.551	●	4.00	4.00	50.00	14.00	0.40
AP4M-2362.787	●	6.00	6.00	63.00	20.00	0.40
AP4M-3150.787	●	8.00	8.00	63.00	20.00	0.40
AP4M-3937.984	●	10.00	10.00	70.00	25.00	0.40
AP4M-4724.984	●	12.00	12.00	75.00	25.00	0.60
AP4M-6299.1260	●	16.00	16.00	89.00	32.00	0.70
AP4M-7874.1496	●	20.00	20.00	100.00	38.00	0.70
AP4M-9843.1496	●	25.00	25.00	100.00	38.00	0.70

LONG Length (Metric Sizes)

AlCrN Coating		Dimensions (mm)				
Part Number	Stock	ØD ^{h10}	Ød ^{h6}	L1	L2	r
AP4M-2362.984	●	6.00	6.00	75.00	25.00	0.40
AP4M-3150.984	●	8.00	8.00	75.00	25.00	0.40
AP4M-3937.1181	●	10.00	10.00	75.00	30.00	0.40
AP4M-4724.1969	●	12.00	12.00	100.00	50.00	0.60
AP4M-5511.1969	●	14.00	14.00	125.00	50.00	0.60
AP4M-6299.1969	●	16.00	16.00	125.00	50.00	0.70
AP4M-7087.1969	●	18.00	18.00	125.00	50.00	0.70
AP4M-7874.1969	●	20.00	20.00	125.00	50.00	0.80
AP4M-9843.1969	●	25.00	25.00	125.00	50.00	0.80

- SOLID TOOLS
- DRILLS
- END MILLS
- ROUTERS
- THREAD MILLS & TAPS
- ENGRAVERS
- BORING BARS
- REAMERS
- TECHNICAL

APOLLO SERIES AP4M WORKPIECE MATERIAL

Coating	P	P	H	H	M	K	N	N	N	N	N	N	N	S	S	
	Steel ~30HRC	Steel 30-40HRC	Hardened Steel ~55HRC	Hardened Steel ~68HRC	Stainless Steel	Cast Iron	Aluminum	Graphite	Copper Alloy	Brass	CFRP	Plastic	Thermoset Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
AlCrN	☆	☆	★	★	★	☆			☆	☆					★	★

★ : Priority ☆ : Applicable Materials

Recommended Cutting Conditions Page L228-L229

Symbol Descriptions Page L3