

The advertisement features a vibrant green background. On the right side, there is a detailed, realistic image of a silver-colored metal drill bit, showing its sharp tip and the double-flute design. To the left of the drill bit, there are three white line-art outlines of different drill bit designs, including a double-flute bit, a more complex multi-flute bit, and a bit with a wider cutting edge. The text 'A-PRO' is prominently displayed in a large, bold, white sans-serif font, with 'SERIES' in a smaller, all-caps font directly below it.

A-PRO
SERIES

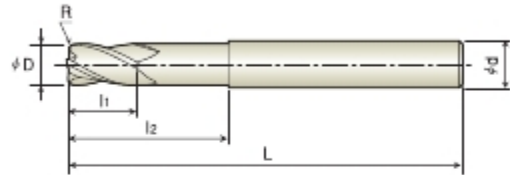
4날 롱샹크 코너라디우스 엔드밀

4 FLUTES LONG SHANK CORNER RADIUS END MILLS

HRc50이하 소재의 가공용으로 설계
 날부파손 방지 및 절삭성 증대를 위한 형상설계
 직경대비 3~4배 큰 형상가공

Designed for cutting of hardened steels below HRc50.
 Geometry design to protect the breakage of cutting edge and improve the cutting performance.
 Machining up to the dimension three times as large as the diameter.

SMG	TiAlN
4	CR ± 0.01
45°	HRc ~50
h6	DATA p.198



unit (mm)

신규 모델 번호	구 모델 번호	인선 직경	코너 반경	유효 장	날 장	샹크 경	전 장
Model No.	Model No.	Outside Diameter	Corner Radius	Effective Length	Length of cut	Shank Diameter	Overall Length
		D	CR	L ₂	L ₁	d	L
4ALR 060 R05 180 680	APLS4060R05	6	R0.5	18	9	6	80
4ALR 060 R10 180 680	APLS4060R10	6	R1.0	18	9	6	80
4ALR 080 R05 240 8A0	APLS4080R05	8	R0.5	24	12	8	100
4ALR 080 R10 240 8A0	APLS4080R10	8	R1.0	24	12	8	100
4ALR 100 R05 300 AA0	APLS4100R05	10	R0.5	30	15	10	100
4ALR 100 R10 300 AA0	APLS4100R10	10	R1.0	30	15	10	100
4ALR 120 R05 300 CB0	APLS4120R05	12	R0.5	30	18	12	110
4ALR 120 R10 300 CB0	APLS4120R10	12	R1.0	30	18	12	110

A-PRO

샹크경, 전장 표시법	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
사이즈	인선직경공차(mm)																				
D Size	D Tolerance																				
All	0~-0.020																				