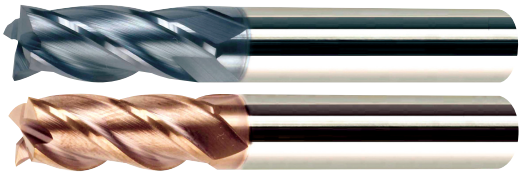
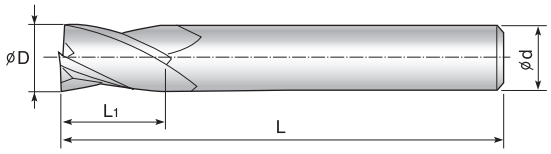
BYE 4000

4날 스퀘어 엔드밀
SQUARE END MILLS (4 FLUTES)

- TiSiN 코팅 적용으로 절삭저항 최소화되며 내마모성이 우수함
- HRc50 이하 소재 및 프리하든강, 합금강, 탄소강 등 다양한 피삭재 영역에 적용 가능
- 고정밀, 절삭성 및 가공성이 우수한 날부 edge 형상 채택
- Excellent wear-resistance and minimum cutting resistance due to TiSiN coating
- Suitable for various workpieces such as prehardened, alloy, and carbon steels, as well as materials below HRc50
- Adopt excellent cutting edge geometry with high precision, cutting performance, and machinability

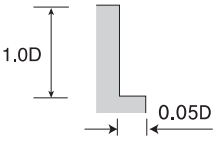




모델번호	직 경	날 장	전 장	생 크 경
Model No.	Diameter of Mill	Length of cut	Overall Length	Shank Diameter
	ØD	L1	L	Φd(h6)
BYE 4010	1.0	3	45	4
BYE 4015	1.5	4	45	4
BYE 4020	2.0	6	45	6
BYE 4030	3.0	10	50	6
BYE 4040-S4	4.0	10	50	4
BYE 4040	4.0	12	50	6
BYE 4050	5.0	15	55	6
BYE 4060	6.0	15	55	6
BYE 4070	7.0	20	65	8
BYE 4080	8.0	20	65	8
BYE 4090	9.0	25	70	10
BYE 4100	10.0	25	70	10
BYE 4120	12.0	30	80	12
BYE 4140	14.0	40	100	16
BYE 4160	16.0	45	100	16
BYE 4180	18.0	50	110	18
BYE 4200	20.0	50	110	20

BYE 4000 Series 4날 스퀘어-Side Cutting

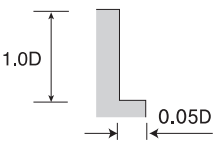
MATERIAL	NON-ALLOYED STEELS ALLOY STEELS CAST IRON		ALLOY STEELS HEAT RESISTANT STEELS		HARDENED STEELS			
HARDNESS	~HRc 30		HRc 30 ~HRc 45		HRc 45 ~HRc 55		HRc 55 ~HRc 65	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
1.0	20700	252	13680	153	9000	45	5040	41
2.0	10404	252	6804	153	4536	45	2520	41
3.0	8028	288	5004	180	3024	54	1710	45
4.0	1404	513	4158	315	2646	54	1332	45
5.0	5670	540	3402	324	2088	63	1134	45
6.0	5004	594	3024	369	1800	72	990	45
8.0	3780	639	2268	342	1512	99	756	45
10.0	2934	549	1800	270	1224	81	612	38
12.0	2466	468	1512	225	1044	72	504	36
16.0	1980	369	1224	180	810	54	396	23
20.0	1512	288	954	144	612	36	288	23



RPM = rev/min
Feed = mm/min

BYEL 4000 Series 4날 롱 스퀘어-Side Cutting

MATERIAL	NON-ALLOYED STEELS ALLOY STEELS CAST IRON		ALLOY STEELS HEAT RESISTANT STEELS		HARDENED STEELS			
HARDNESS	~HRc 30		HRc 30 ~HRc 45		HRc 45 ~HRc 55		HRc 55 ~HRc 65	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
1.0	15750	180	9090	72	5670	41	4950	25
2.0	7938	180	4536	72	2835	41	2520	27
3.0	5553	207	3213	90	1980	50	1701	27
4.0	4500	252	2556	104	1611	54	1323	32
5.0	3843	324	2178	126	1422	63	1134	36
6.0	3312	387	1890	162	1233	81	1044	45
8.0	2520	414	1422	162	945	81	756	45
10.0	2115	414	1233	162	756	81	603	45
12.0	1728	324	1044	144	630	63	504	36
16.0	1458	288	801	113	504	54	396	32
20.0	1062	207	612	81	378	41	306	23



RPM = rev/min
Feed = mm/min

CAUTION

- 불꽃 발생으로 인한 화재의 위험이나 공구 파손에 의한 열발생이 가공중에 발생할수 있습니다.
- 사용전에 반드시 화재예방 대책이 마련되어 있는지 확인하시기 바랍니다.
- Danger of fire by spark incidence or heat caused by tool breakage can happen during processing.
- Confirm fire prevention countermeasure beforehand necessarily before use.