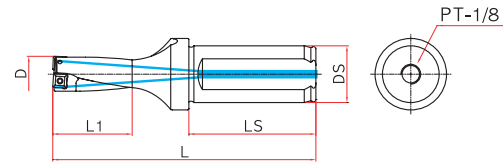


# HIGH SPEED DRILL

## STD-V 2×D

※ 범용선반 가공시, 가공직경  $\phi 40$ 이상은 TSD나, MXD 사용을 권장함.



### ● Shank ISO9766, Parallel with clamping flat

CODE NO.	치수, Dimension (mm)					인서트 INSERT	부품, Component	
	D	L1	L	Ds	Ls		SCREW	T-DRIVER
STD-V13020D S20	13	29	99	20	50	SPMX 050204	TSB-20045	TXL-6
STD-V13520D S20	13.5	30	100					
STD-V14020D S20	14	31	101					
STD-V14520D S20	14.5	32	102					
STD-V15020D S20	15	33	103					
STD-V15520D S25	15.5	34	115	25	56	SPMX 060204	TSB-22052	
STD-V16020D S25	16	35	116					
STD-V16520D S25	16.5	36	117					
STD-V17020D S25	17	37	118					
STD-V17520D S25	17.5	38	119					
STD-V18020D S25	18	39	120					
STD-V18520D S25	18.5	40	121					
STD-V19020D S25	19	41	122					
STD-V19520D S25	19.5	42	123					
STD-V20020D S25	20	43	124					
STD-V20520D S25	20.5	44	125					
STD-V21020D S25	21	45	126					
STD-V21520D S25	21.5	46	127					

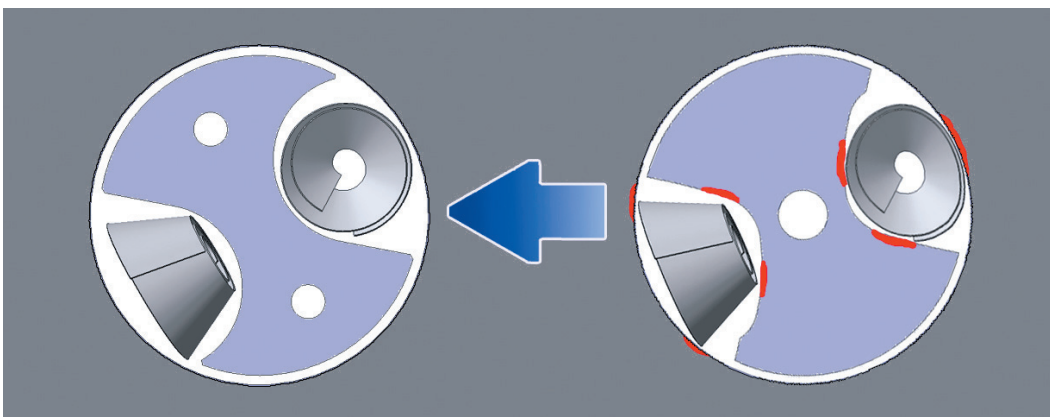
### ● The characteristic of STD-V small drills

- \* Small Dia drills are designed oil holes to 11 types so the hardness of the drill body is improved and the space of chip break is greatly extended.
- \* The drilling performance and the drilled surface are excellent by the best design.

### ● STD-V 소구경 드릴의 특징

- \* STD-V 소구경( $\phi 13 \sim \phi 21.5$ ) 드릴은 절삭유 흡을 11자 타입으로 설계변경하여 드릴바디의 강성이 향상되고, 칩 배출 공간을 대폭 확장 시켰습니다.
- \* 최적의 설계로 절삭성능이 뛰어나고, 표면조도가 매우 우수합니다.

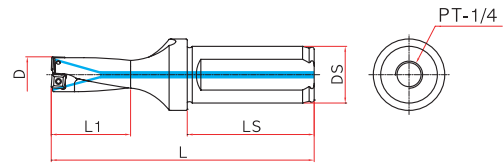
- \* The widen chip discharging space 넓어진 칩 배출 공간



# HIGH SPEED DRILL

## STD-V 2×D

※ 범용선반 가공시, 가공직경  $\phi 40$  이상은 TSD나, MXD 사용을 권장함.



DRILL

### ● Shank ISO9766, Parallel with clamping flat

CODE NO.	치수, Dimension (mm)					인서트 INSERT	부품, Component	
	D	L1	L	Ds	Ls		SCREW	T-DRIVER
STD-V22020D S32	22	47	137	32	60	SPMX 07T308	TSB-25065	TXL-8
STD-V22520D S32	22.5	48	138					
STD-V23020D S32	23	49	139					
STD-V23520D S32	23.5	50	140					
STD-V24020D S32	24	51	141					
STD-V24520D S32	24.5	52	142					
STD-V25020D S32	25	53	143					
STD-V25520D S32	25.5	54	144					
STD-V26020D S32	26	55	145					
STD-V26520D S32	26.5	56	146					
STD-V27020D S32	27	57	147					
STD-V27520D S32	27.5	58	148					
STD-V28020D S32	28	59	149					
STD-V28520D S32	28.5	60	150					
STD-V29020D S32	29	61	151	40	70	SPMX 090408	TSB-35090	TXL-15
STD-V29520D S32	29.5	63	153					
STD-V30020D S32	30	65	155					
STD-V31020D S32	31	67	157					
STD-V32020D S32	32	69	159					
STD-V33020D S32	33	71	161					
STD-V34020D S40	34	73	178					
STD-V35020D S40	35	75	180					
STD-V36020D S40	36	77	182					
STD-V37020D S40	37	79	184					
STD-V38020D S40	38	81	186					
STD-V39020D S40	39	83	188					
STD-V40020D S40	40	85	190					
STD-V41020D S40	41	87	192					
STD-V42020D S40	42	89	194	40	70	SPMX 110408	TSB-40100	TXL-20
STD-V43020D S40	43	91	196					
STD-V44020D S40	44	93	198					
STD-V45020D S40	45	95	200					
STD-V46020D S40	46	97	202					
STD-V47020D S40	47	99	204					
STD-V48020D S40	48	101	206					
STD-V49020D S40	49	103	208					
STD-V50020D S40	50	105	210					
						SPMX 140512	TSB-50125	TXL-20

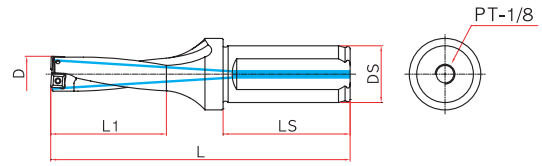
\* STD-V drill will be sold after STD drill is sold out.

\* STD-V 드릴은, STD 드릴 재고 소진 후 판매됩니다.

# HIGH SPEED DRILL

## STD-V 3×D

※ 범용선반 가공시, 가공직경  $\phi 40$ 이상은 TSD나, MXD 사용을 권장함.



### ● Shank ISO9766, Parallel with clamping flat

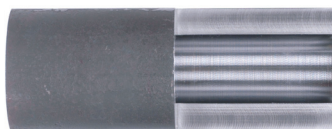
CODE NO.	치수, Dimension (mm)					인서트 INSERT	부품, Component	
	D	L1	L	Ds	Ls		SCREW	T-DRIVER
STD-V13030D S20	13	42	112	20	50	SPMX 050204	TSB-20045	TXL-6
STD-V13530D S20	13.5	44	114					
STD-V14030D S20	14	45	115					
STD-V14530D S20	14.5	47	117					
STD-V15030D S20	15	48	118					
STD-V15530D S25	15.5	50	131	25	56	SPMX 060204	TSB-22052	
STD-V16030D S25	16	51	132					
STD-V16530D S25	16.5	53	134					
STD-V17030D S25	17	54	135					
STD-V17530D S25	17.5	56	137					
STD-V18030D S25	18	57	138					
STD-V18530D S25	18.5	59	140					
STD-V19030D S25	19	60	141					
STD-V19530D S25	19.5	62	143					
STD-V20030D S25	20	63	144					
STD-V20530D S25	20.5	65	146					
STD-V21030D S25	21	66	147					
STD-V21530D S25	21.5	68	149					

### ● The characteristic of STD-V middle and big diameter drills

- \* The chip discharging space for STD-V middle dia and big dia drill( $\phi 22 \sim \phi 80$ ) was greatly extended.  
These drills are stable and drilling surface are excellent in the deep hole drilling also.
- \* Please make sure the proper oil pressure and the cutting data(P.97) for the best performance.  
(The proper pressure for STD-V2XD, 3XD is over 4kg/cm<sup>2</sup>, the proper pressure for 4XD is over 5kg/cm<sup>2</sup>)

### ● STD-V 중 · 대구경 드릴의 특징

- \* STD-V 중 · 대구경( $\phi 22 \sim \phi 80$ ) 드릴은 최적의 설계로 칩 배출 공간을 대폭 확장 시켰습니다.  
깊은 홀 가공에서도 드릴링이 안정되고, 표면조도가 우수합니다.
- \* 최적의 결과물을 위해, 절삭조건표(P.97)와 절삭유 적정 압력을 확인해 주세요.  
(절삭유 적정압력은, STD-V 2XD, 3XD일때 4kg/cm<sup>2</sup> 이상, 4XD일때, 5kg/cm<sup>2</sup> 이상)

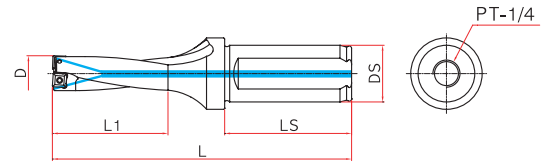


\* The real drilled section 실제 가공 단면

# HIGH SPEED DRILL

## STD-V 3×D

※ 범용선반 가공시, 가공직경  $\phi 400$  이상은 TSD나, MXD 사용을 권장함.



DRILL

### ● Shank ISO9766, Parallel with clamping flat

CODE NO.	치수, Dimension (mm)					인서트 INSERT	부품, Component	
	D	L1	L	DS	LS		SCREW	T-DRIVER
STD-V22030D S32	22	69	159	32	60	SPMX 07T308	TSB-25065	TXL-8
STD-V22530D S32	22.5	71	161					
STD-V23030D S32	23	72	162					
STD-V23530D S32	23.5	74	164					
STD-V24030D S32	24	75	165					
STD-V24530D S32	24.5	77	167					
STD-V25030D S32	25	78	168					
STD-V25530D S32	25.5	80	170					
STD-V26030D S32	26	81	171					
STD-V26530D S32	26.5	83	173					
STD-V27030D S32	27	84	174					
STD-V27530D S32	27.5	86	176	32	60	SPMX 090408	TSB-35090	TXL-15
STD-V28030D S32	28	87	177					
STD-V28530D S32	28.5	89	179					
STD-V29030D S32	29	90	180					
STD-V29530D S32	29.5	93	183					
STD-V30030D S32	30	95	185					
STD-V31030D S32	31	98	188					
STD-V32030D S32	32	101	191					
STD-V33030D S32	33	104	194					
STD-V34030D S40	34	107	212	40	70	SPMX 110408	TSB-40100	TXL-20
STD-V35030D S40	35	110	215					
STD-V36030D S40	36	113	218					
STD-V37030D S40	37	116	221					
STD-V38030D S40	38	119	224					
STD-V39030D S40	39	122	227					
STD-V40030D S40	40	125	230					
STD-V41030D S40	41	128	233					
STD-V42030D S40	42	131	236					
STD-V43030D S40	43	134	239					
STD-V44030D S40	44	137	242					
STD-V45030D S40	45	140	245			SPMX 140512	TSB-50125	TXL-20
STD-V46030D S40	46	143	248					
STD-V47030D S40	47	146	251					
STD-V48030D S40	48	149	254					
STD-V49030D S40	49	152	257					
STD-V50030D S40	50	155	260					

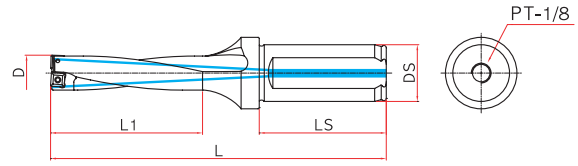
\* STD-V drill will be sold after STD drill is sold out.

\* STD-V 드릴은, STD 드릴 재고 소진 후 판매됩니다.

# HIGH SPEED DRILL

## STD-V 4×D

※ 범용선반 가공시, 가공직경  $\phi 40$ 이상은 TSD나, MXD 사용을 권장함.



### ● Shank ISO9766, Parallel with clamping flat

CODE NO.	치수, Dimension (mm)					인서트 INSERT	부품, Component	
	D	L1	L	Ds	Ls		SCREW	T-DRIVER
STD-V13040D S20	13	55	125	20	50	SPMX 050204	TSB-20045	TXL-6
STD-V13540D S20	13.5	57	127					
STD-V14040D S20	14	59	129					
STD-V14540D S20	14.5	61	131					
STD-V15040D S20	15	63	133					
STD-V15540D S25	15.5	65	146	25	56	SPMX 060204	TSB-22052	
STD-V16040D S25	16	67	148					
STD-V16540D S25	16.5	69	150					
STD-V17040D S25	17	71	152					
STD-V17540D S25	17.5	73	154					
STD-V18040D S25	18	75	156					
STD-V18540D S25	18.5	77	158					
STD-V19040D S25	19	79	160					
STD-V19540D S25	19.5	81	162					
STD-V20040D S25	20	83	164					
STD-V20540D S25	20.5	85	166					
STD-V21040D S25	21	87	168					
STD-V21540D S25	21.5	89	170					

\* Need to make sure the best cutting data for the best performance.

\* Please make sure the cutting condition and oil pressure.

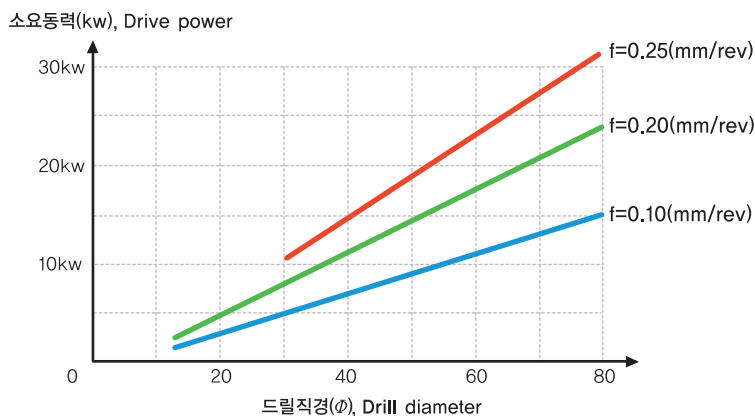
\* 최고의 결과물을 위해서는 최적의 절삭조건이 필요합니다.

\* 절삭조건표와 절삭유 압력 등을 꼭 확인해 주세요.

※ The hole tolerance of STD-V drill STD-V드릴 구멍공차

Dia	2XD	3XD	4XD
13~21.5	-0.1~+0.15	-0.1~+0.15	-0.15~+0.2
22~50	-0.1~+0.15	-0.12~+0.2	-0.15~+0.25
50~80	-0.15~+0.2	-0.15~+0.25	-0.15~+0.3

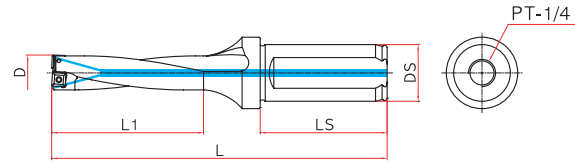
### ● Power Requirements 소요동력



# HIGH SPEED DRILL

## STD-V 4×D

※ 범용선반 가공시, 가공직경  $\phi 40$  이상은 TSD나, MXD 사용을 권장함.



DRILL

### ● Shank ISO9766, Parallel with clamping flat

CODE NO.	치수, Dimension (mm)					인서트 INSERT	부품, Component	
	D	L1	L	DS	LS		SCREW	T-DRIVER
STD-V22040D S32	22	91	181	32	60	SPMX 07T308	TSB-25065	TXL-8
STD-V22540D S32	22.5	93	183					
STD-V23040D S32	23	95	185					
STD-V23540D S32	23.5	97	187					
STD-V24040D S32	24	99	189					
STD-V24540D S32	24.5	101	191					
STD-V25040D S32	25	103	193					
STD-V25540D S32	25.5	105	195					
STD-V26040D S32	26	107	197					
STD-V26540D S32	26.5	109	199					
STD-V27040D S32	27	111	201	32	60	SPMX 090408	TSB-35090	TXL-15
STD-V27540D S32	27.5	113	203					
STD-V28040D S32	28	115	205					
STD-V28540D S32	28.5	117	207					
STD-V29040D S32	29	120	210					
STD-V29540D S32	29.5	123	213					
STD-V30040D S32	30	125	215					
STD-V31040D S32	31	129	219	40	70	SPMX 110408	TSB-40100	TXL-20
STD-V32040D S32	32	133	223					
STD-V33040D S32	33	137	227					
STD-V34040D S40	34	141	246					
STD-V35040D S40	35	145	250					
STD-V36040D S40	36	149	254					
STD-V37040D S40	37	153	258					
STD-V38040D S40	38	157	262					
STD-V39040D S40	39	161	266			SPMX 140512	TSB-50125	TXL-20
STD-V40040D S40	40	165	270					
STD-V41040D S40	41	169	274					
STD-V42040D S40	42	173	278					
STD-V43040D S40	43	177	282					
STD-V44040D S40	44	181	286					
STD-V45040D S40	45	185	290					
STD-V46040D S40	46	189	294					
STD-V47040D S40	47	193	298					
STD-V48040D S40	48	197	302					
STD-V49040D S40	49	201	306					
STD-V50040D S40	50	205	310					

\* STD-V drill will be sold after STD drill is sold out.

\* STD-V 드릴은, STD 드릴 재고 소진 후 판매됩니다.