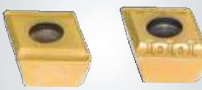


DEEP HOLE DRILL BTA



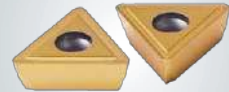
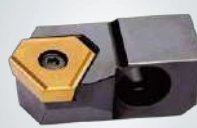
DEEP HOLE DRILL

contents

	Single tube System DHD (800.20)	04P		Ejector tube System E-DHD (800.24)	06P
	Insert LPMT*****C- G,L (800,801)	08P		Insert LPMT*****I- G,L (800,801)	08P
	Insert LPET*****P- G,L (800)	09P		Insert LPXT***** SUP (800)	09P
	Single tube System GHD (700.10)	10P		Single tube System DHD (800.20)	11P
	Insert LNXT*****R*** (700.10)	11P		Single tube System Cartridge type drill LHD (801)	12P
	Center Cartridge CLP*****C-K (801)	15P		Intermediate Cartridge CLP*****I-K (801)	16P
	Peripheral Cartridge CLP*****P-K (801)	16P		Ejector tube System Cartridge type drill THD (424.10)	17P

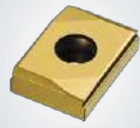
DEEP HOLE DRILL

contents

	Center Cartridge CTP**-K-L (424.10)	20P		Intermediate Cartridge CTP**-K-R (424.10)	20P
	Peripheral Cartridge CLP**-K (424.10)	20P		Insert TPMT*****R-K** (424.10)	21P
	Insert LPMT*****-K** (424.10,801)	21P		Insert LNXT**D***-SUP (424.10,801)	21P
	Support Pad-430.30 **D*** (801,818,424.10, 424.31, 424.32, 424.41, 424.42)	22P		Single tube System Counterboring drill THD (818)	23P
	Single tube System Counterboring drill RBH (424.31)	28P		Cartridge CTX**-K (818,424.31,424.41)	31P
	Insert TXN*****-G-L (818,424.31,424.41)	31P		Cartridge CTP**-K-SP (818,424.31)	32P
	Insert TPGX*****R-G-L (818,424.31)	32P		Single tube System Counterboring drill CBH (424.32)	33P

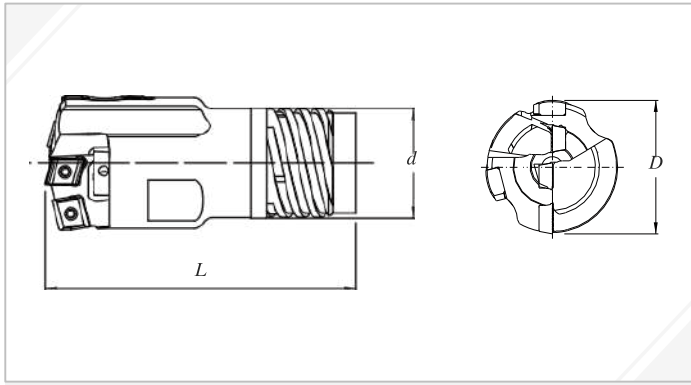
DEEP HOLE DRILL

contents

 424.41 424.42	Single tube System Counterboring drill GBH –KHB (424.41,424.42) 35P	 CTP**-K (424.32,424.42) 37P
 TPGX*****R-G-L (424.32,424.42) 37P	Insert TPGX*****R-G-L (424.32,424.42) 37P	 Shank system XHD (805) 38P
 Skiving Cartridge 39P	Skiving Cartridge 39P	 Skiving Insert R420.37-*** ** 00-01 39P
 Insert SPCT12T3ZPE -LJ (424.31F) 39P	Insert SPCT12T3ZPE -LJ (424.31F) 39P	

DEEP HOLE DRILLING

STS SYSTEM (800.20)

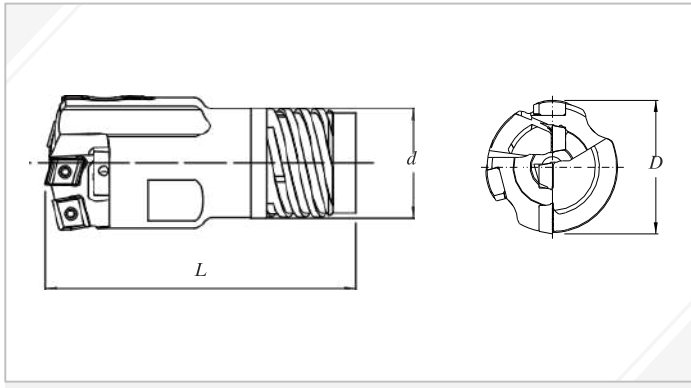


INSERT TYPE > IL JIN

Diameter rang mm	Ordering Code	Dimensions Mm		Center	Intermediate	Peripheral	Support Pad
		d	L				
25.00~26.40	DHD-03D**.*	19.5	73	LPMT050308C-G-L	LPMT050308I-G-L	LPET060308P-G-L	LNXT0618-SUP
26.41~28.70	DHD-04D**.*	21	74	LPMT050308C-G-L	LPMT050308I-G-L	LPET060308P-G-L	LNXT0618-SUP
28.71~31.00	DHD-05D**.*	23.5	75	LPMT06T308C-G-L	LPMT050308I-G-L	LPET060308P-G-L	LNXT0618-SUP
31.01~33.30	DHD-06D**.*	25.5	76	LPMT06T308C-G-L	LPMT06T308I-G-L	LPET08T308P-G-L	LNXT0720-SUP
33.31~36.20	DHD-07D**.*	28.0	77	LPMT06T308C-G-L	LPMT06T308I-G-L	LPET08T308P-G-L	LNXT0720-SUP
				LPMT08T308C-G-L	LPMT08T308I-G-L		
36.21~39.60	DHD-08D**.*	30.0	89	LPMT08T308C-G-L	LPMT08T308I-G-L	LPET08T308P-G-L	LNXT0720-SUP
						LPET09T308P-G-L	
39.61~43.00	DHD-09D**.*	33.0	93	LPMT08T308C-G-L	LPMT08T308I-G-L	LPET09T308P-G-L	LNXT0825-SUP
43.01~47.00	DHD-10D**.*	36.0	95	LPMT10T308C-G-L	LPMT08T308I-G-L	LPET09T308P-G-L	LNXT0825-SUP
47.01~51.70	DHD-11D**.*	39.0	102	LPMT12T308C-G-L	LPMT08T308I-G-L	LPET09T308P-G-L	LNXT1030-SUP
				LPMT10T308C-G-L		LPET11T308P-G-L	
51.71~56.20	DHD-12D**.*	43.0	110	LPMT10T308C-G-L	LPMT08T308I-G-L	LPET11T308P-G-L	LNXT1030-SUP
					LPMT12T308I-G-L		LNXT1235-SUP
56.21~65.00	DHD-13D**.*	47.0	115	LPMT10T308C-G-L	LPMT12T308I-G-L	LPET11T308P-G-L	LNXT1235-SUP
				LPMT12T308C-G-L			
60.61~65.00	DHD-13E**.*	51.0	115	LPMT12T308C-G-L	LPMT12T308I-G-L	LPET11T308P-G-L	LNXT1235-SUP

DEEP HOLE DRILLING

STS SYSTEM (800.20)



▶ Insert and pad size

INSERT TYPE > IL JIN

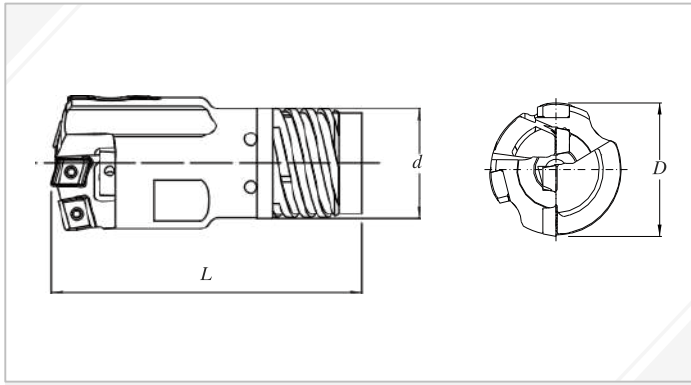
Diameter rang mm	Center	Diameter range mm	Intermediate	Diameter range mm	Peripheral	Diameter range mm	Support Pad
D		D		D		D	
25.00~28.70	LPMT050308C-G-L	25.00~31.00	LPMT050308I-G-L	25.00~31.00	LPET060308P-G-L	25.00~31.00	LNXT0618-SUP
28.71~33.99	LPMT06T308C-G-L	31.01~34.99	LPMT06T308I-G-L	31.01~38.99	LPET08T308P-G-L	31.01~39.60	LNXT0720-SUP
34.00~43.00	LPMT08T308C-G-L	35.00~54.99	LPMT08T308I-G-L	39.00~49.99	LPET09T308P-G-L	39.61~47.00	LNXT0825-SUP
43.01~47.00	LPMT10T308C-G-L	55.00~65.00	LPMT12T308I-G-L	50.00~65.00	LPET11T308P-G-L	47.01~54.99	LNXT1030-SUP
47.01~49.99	LPMT12T308C-G-L					55.00~65.00	LNXT1235-SUP
50.00~57.99	LPMT10T308C-G-L						
58.00~65.00	LPMT12T308C-G-L						

▶ Screw size

Part NO.	Center	Intermediate	Peripheral	Support Pad	Screw driver
DHD-03D	5513 020-05-M2.2	5513 020-05-M2.2	5513 020-05-M2.2	5513 020-20-M2.5	T7
DHD-04D	5513 020-05-M2.2	5513 020-05-M2.2	5513 020-05-M2.2	5513 020-20-M2.5	T7
DHD-05D	5513 020-34-M2.5	5513 020-05-M2.2	5513 020-05-M2.2	5513 020-20-M2.5	T7,T8
DHD-06D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	416.1-832-M3.0	T8,T9
DHD-07D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	416.1-832-M3.0	T8,T9
DHD-08D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	416.1-832-M3.0	T8,T9
DHD-09D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-16-M3.5	T8,T10
DHD-10D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-16-M3.5	T8,T10
DHD-11D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	416.1-833-M3.5	T8,T10
DHD-12D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	416.1-833-M3.5	T8,T10
DHD-13D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	416.1-833-M3.5	T8,T10

DEEP HOLE DRILLING

EJECTOR SYSTEM (800.24)

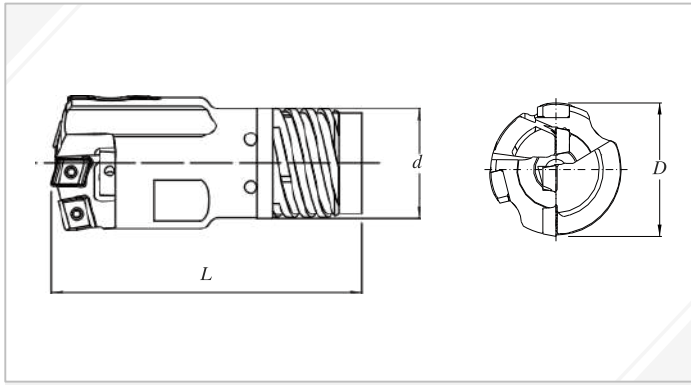


INSERT TYPE > IL JIN

Diameter rang mm	Ordering Code	Dimensions Mm		Center	Intermediate	Peripheral	Support Pad
		d	L				
25.00~26.40	E-DHD-03D***	21.0	74	LPMT050308C-G-L	LPMT050308I-G-L	LPET060308P-G-L	LNXT0618-SUP
26.41~28.70	E-DHD-04D***	23.5	75	LPMT050308C-G-L	LPMT050308I-G-L	LPET060308P-G-L	LNXT0618-SUP
28.71~31.00	E-DHD-05D***	25.5	76	LPMT06T308C-G-L	LPMT050308I-G-L	LPET060308P-G-L	LNXT0618-SUP
31.01~33.30	E-DHD-06D***	28.0	77	LPMT06T308C-G-L	LPMT06T308I-G-L	LPET08T308P-G-L	LNXT0720-SUP
33.31~36.20	E-DHD-07D***	30.0	89	LPMT06T308C-G-L	LPMT06T308I-G-L	LPET08T308P-G-L	LNXT0720-SUP
				LPMT08T308C-G-L	LPMT08T308I-G-L		
36.21~39.60	E-DHD-08D***	33.0	93	LPMT08T308C-G-L	LPMT08T308I-G-L	LPET08T308P-G-L	LNXT0720-SUP
						LPET09T308P-G-L	
39.61~43.00	E-DHD-09D***	36.0	95	LPMT08T308C-G-L	LPMT08T308I-G-L	LPET09T308P-G-L	LNXT0825-SUP
43.01~47.00	E-DHD-10D***	39.0	102	LPMT10T308C-G-L	LPMT08T308I-G-L	LPET09T308P-G-L	LNXT0825-SUP
47.01~51.70	E-DHD-11D***	43.0	110	LPMT12T308C-G-L	LPMT08T308I-G-L	LPET09T308P-G-L	LNXT1030-SUP
				LPMT10T308C-G-L		LPET11T308P-G-L	
51.71~56.20	E-DHD-12D***	47.0	115	LPMT10T308C-G-L	LPMT08T308I-G-L	LPET11T308P-G-L	LNXT1030-SUP
					LPMT12T308I-G-L		LNXT1235-SUP
56.21~65.00	E-DHD-13D***	51.0	115	LPMT10T308C-G-L	LPMT12T308I-G-L	LPET11T308P-G-L	LNXT1235-SUP
				LPMT12T308C-G-L			

DEEP HOLE DRILLING

EJECTOR SYSTEM (800.24)



▶ Insert and pad size

INSERT TYPE > IL JIN

Diameter rang mm D	Center	Diameter range mm D	Intermediate	Diameter range mm D	Peripheral	Diameter range mm D	Support Pad
25.00~28.70	LPMT050308C-G-L	25.00~31.00	LPMT050308I-G-L	25.00~31.00	LPET060308P-G-L	25.00~31.00	LNXT0618-SUP
28.71~33.99	LPMT06T308C-G-L	31.01~34.99	LPMT06T308I-G-L	31.01~38.99	LPET08T308P-G-L	31.01~39.60	LNXT0720-SUP
34.00~43.00	LPMT08T308C-G-L	35.00~54.99	LPMT08T308I-G-L	39.00~49.99	LPET09T308P-G-L	39.61~47.00	LNXT0825-SUP
43.01~47.00	LPMT10T308C-G-L	55.00~65.00	LPMT12T308I-G-L	50.00~65.00	LPET11T308P-G-L	47.01~54.99	LNXT1030-SUP
47.01~49.99	LPMT12T308C-G-L					55.00~65.00	LNXT1235-SUP
50.00~57.99	LPMT10T308C-G-L						
58.00~65.00	LPMT12T308C-G-L						

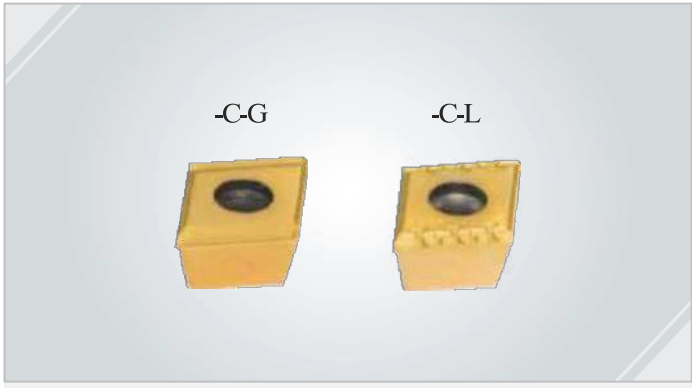
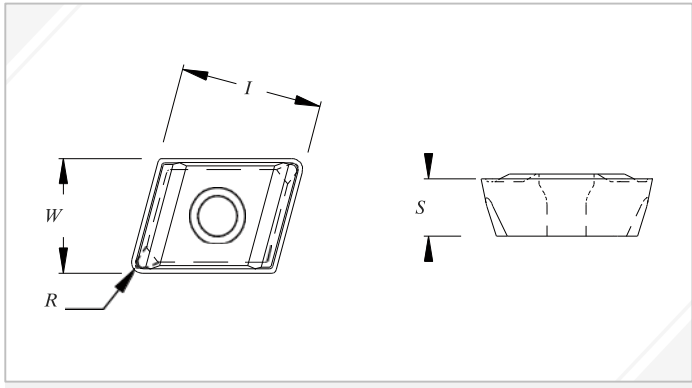
▶ Screw size

Part NO.	Center	Intermediate	Peripheral	Support Pad	Screw driver
E-DHD-03D	5513 020-05-M2.2	5513 020-05-M2.2	5513 020-05-M2.2	5513 020-20-M2.5	T7
E-DHD-04D	5513 020-05-M2.2	5513 020-05-M2.2	5513 020-05-M2.2	5513 020-20-M2.5	T7
E-DHD-05D	5513 020-34-M2.5	5513 020-05-M2.2	5513 020-05-M2.2	5513 020-20-M2.5	T7,T8
E-DHD-06D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	416.1-832-M3.0	T8,T9
E-DHD-07D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	416.1-832-M3.0	T8,T9
E-DHD-08D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	416.1-832-M3.0	T8,T9
E-DHD-09D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-16-M3.5	T8,T10
E-DHD-10D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-16-M3.5	T8,T10
E-DHD-11D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	416.1-833-M3.5	T8,T10
E-DHD-12D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	416.1-833-M3.5	T8,T10
E-DHD-13D	5513 020-34-M2.5	5513 020-34-M2.5	5513 020-34-M2.5	416.1-833-M3.5	T8,T10

DEEP HOLE INSERT

INSERT (800, 801)

Center



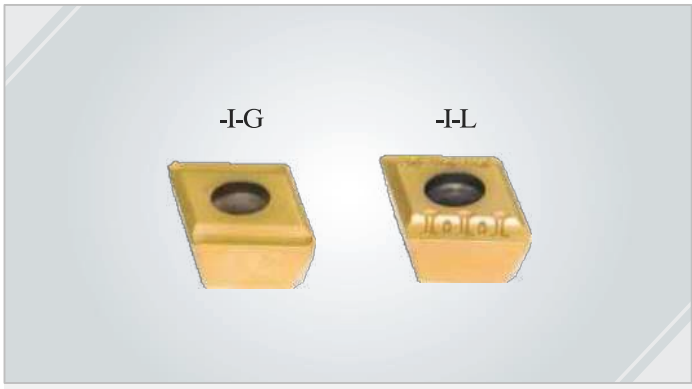
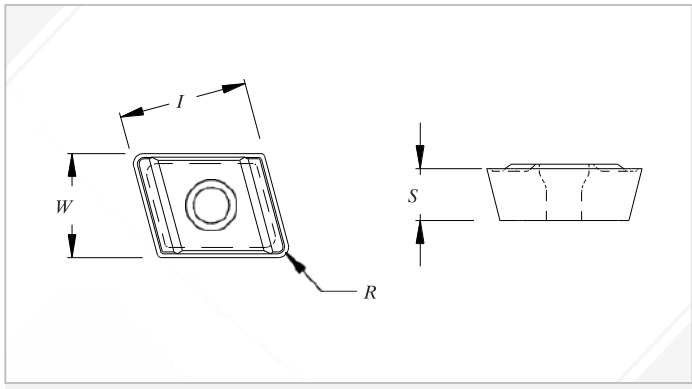
★ : first recommend grade ☆ : second recommend grade

INSERT > IL JIN

Insert size	P			M			K			N			S			I	W	S	R
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3				
LPMT050308C-G,L	★	☆		☆	★		★	☆		★		☆	★			9.87	5.56	3.18	0.8
LPMT06T308C-G,L	★	☆		☆	★		★	☆		★		☆	★			9.87	6.35	3.97	0.8
LPMT08T308C-G,L	★	☆		☆	★		★	☆		★		☆	★			9.87	7.94	3.97	0.8
LPMT10T308C-G,L	★	☆		☆	★		★	☆		★		☆	★			9.87	9.53	3.97	0.8
LPMT12T308C-G,L	★	☆		☆	★		★	☆		★		☆	★			9.87	12.7	3.97	0.8

INSERT (800, 801)

Intermediate



★ : first recommend grade ☆ : second recommend grade

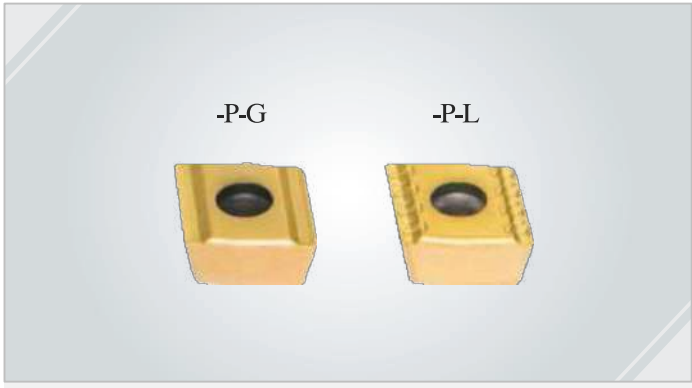
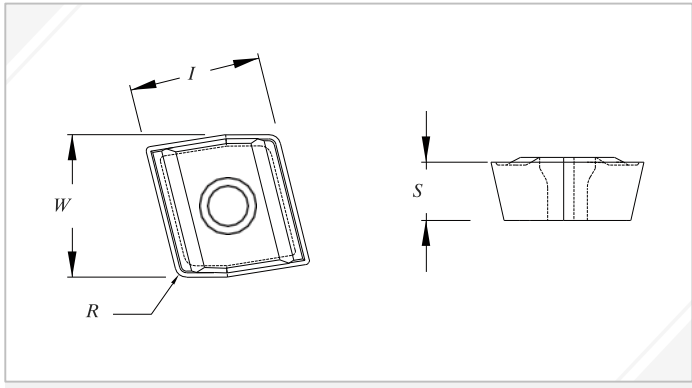
INSERT > IL JIN

Insert size	P			M			K			N			S			I	W	S	R
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3				
LPMT050308I-G,L	★	☆		☆	★		★	☆		★		☆	★			9.87	5.56	3.18	0.8
LPMT06T308I-G,L	★	☆		☆	★		★	☆		★		☆	★			9.87	6.35	3.97	0.8
LPMT08T308I-G,L	★	☆		☆	★		★	☆		★		☆	★			9.87	7.94	3.97	0.8
LPMT12T308I-G,L	★	☆		☆	★		★	☆		★		☆	★			9.87	12.7	3.97	0.8

DEEP HOLE INSERT

INSERT (800)

Peripheral



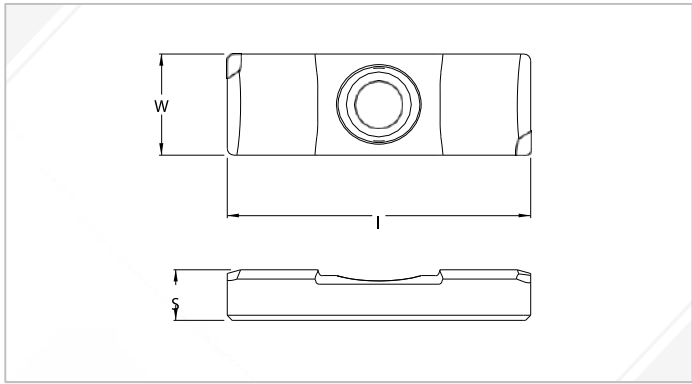
★ : first recommend grade ☆ : second recommend grade

INSERT > IL JIN

Insert size	P			M			K			N			S			I	W	S	R
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3				
LPET060308P-G,L	★	☆		☆	★		★	☆		★		☆	★			8.0	6.42	3.18	0.8
LPET08T308P-G,L	★	☆		☆	★		★	☆		★		☆	★			9.0	8.62	3.97	0.8
LPET09T308P-G,L	★	☆		☆	★		★	☆		★		☆	★			9.0	9.63	3.97	0.8
LPET11T308P-G,L	★	☆		☆	★		★	☆		★		☆	★			9.0	12.7	3.97	0.8

SUPPORT PAD (800)

Support Pad



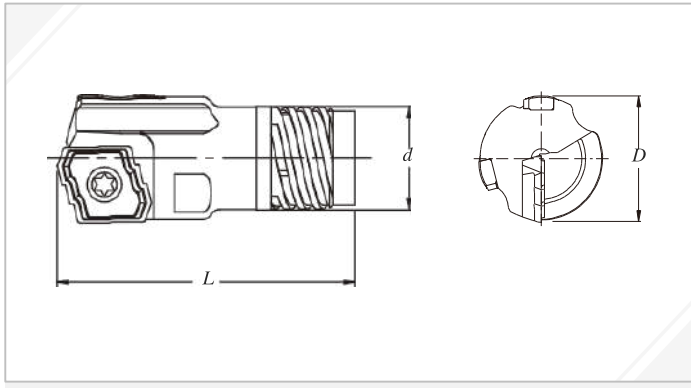
★ : first recommend grade ☆ : second recommend grade

SUPPORT PAD > IL JIN

Support Pad	P			M			K			N			S			I	W	S
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3			
LNXT0618-SUP			★			★			★			★			★	18	6	3.0
LNXT0720-SUP			★			★			★			★			★	20	7	3.4
LNXT0825-SUP			★			★			★			★			★	25	8	4.5
LNXT1030-SUP			★			★			★			★			★	30	10	4.5
LNXT1235-SUP			★			★			★			★			★	35	12	5.5

DEEP HOLE DRILLING

STS SYSTEM (700.10)

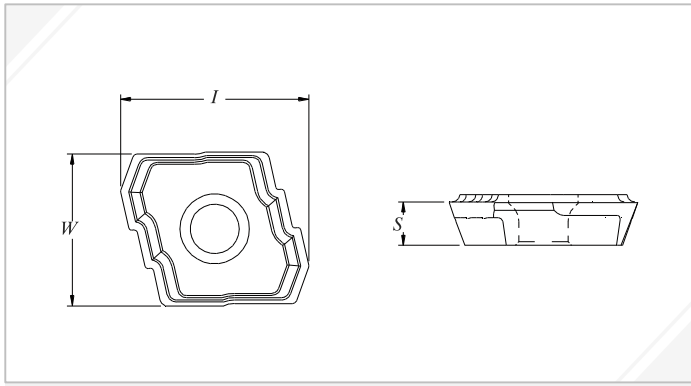


INSERT TYPE > IL JIN

Diameter rang mm D	Ordering Code	Dimensions mm		Insert	Insert Screw	Screw driver	Support Pad	Pad Screw	Screw driver
		d	L						
12.00~13.60	GHD-94D**.*	9.6	58.0	LXET06T104-DR	FTNA02205-M2.2	T6	LNXT0418-R055	FTNA02205-M2.2	T6
13.61~13.99	GHD-95D**.*	10.6	58.0	LXET06T104-DR	FTNA02205-M2.2	T6	LNXT0418-R055	FTNA02205-M2.2	T6
14.00~14.62				LXET080204-DR	FTKA02550S-M2.5	T8	LNXT0418-R065		
14.63~14.99	GHD-96D**.*	11.6	58.0	LXET080204-DR	FTKA02550S-M2.5	T8	LNXT0418-R065	FTNA02205-M2.2	T6
15.00~15.59							LNXT0618-R070	FTKA02540-M2.5	T7
15.60~15.99	GHD-97D**.*	12.6	60.0	LXET080204-DR	FTKA02550S-M2.5	T8	LNXT0618-R070	FTKA02540-M2.5	T7
16.00~16.69				LXET09T204-DR			LNXT0618-R075	FTKA02555-M2.5	
16.70~17.69	GHD-98D**.*	13.6	60.0	LXET09T204-DR	FTKA02550S-M2.5	T8	LNXT0618-R075	FTKA02555-M2.5	T7
17.70~17.99	GHD-99D**.*	14.5	60.0	LXET09T204-DR	FTKA02550S-M2.5	T8	LNXT0618-R075	FTKA02555-M2.5	T7
18.00~18.89				LXET100305-DR	FTNA0306-M3.0	T9	LNXT0618-R085		
18.90~19.99	GHD-00D**.*	15.5	61.0	LXET100305-DR	FTNA0306-M3.0	T9	LNXT0618-R085	FTKA02555-M2.5	T7
20.00~21.79	GHD-01D**.*	16.0	61.0	LXET110305-DR	FTNA0307-M3.0	T9	LNXT0618-R095	FTKA02555-M2.5	T7
21.80~21.99	GHD-02D**.*	18.0	61.0	LXET110305-DR	FTNA0307-M3.0	T9	LNXT0618-R095	FTKA02555-M2.5	T7
22.00~24.09				LXET13T305-DR	FTGA03508-M3.5	T15	LNXT0618-R105		
24.10~24.99	GHD-03D**.*	19.5	65.0	LXET13T305-DR	FTGA03508-M3.5	T15	LNXT0618-R105	FTKA02555-M2.5	T7
25.00~26.39				LXET140405-DR			LNXT0618-R120		
26.40~28.69	GHD-04D**.*	21.0	68.0	LXET140405-DR	FTGA03508-M3.5	T15	LNXT0618-R120	FTKA02555-M2.5	T7
28.70~30.99	GHD-05D**.*	23.5	73.0	LXET150405-DR	FTKA0410-M4.0	T15	LNXT0618-R130	FTKA02555-M2.5	T7
31.00~33.30	GHD-06D**.*	25.5	75.0	LXET160505-DR	FTKA0410-M4.0	T15	LNXT0720-R140	ST3083-60-M3.0	T9

DEEP HOLE INSERT

INSERT (700.10)

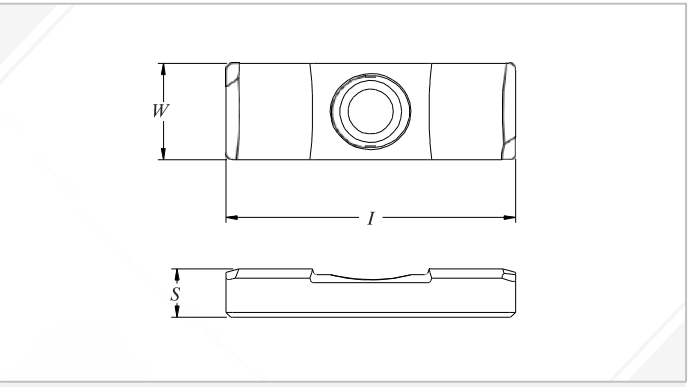


★ : first recommend grade ☆ : second recommend grade

INSERT > IL JIN

Insert size	P			M			K			N			S			I	W	S
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3			
LXET06T104-DR	★	☆		★	☆		★	☆		★	☆		★	☆		9.5	7.3	2.0
LXET080204-DR	★	☆		★	☆		★	☆		★	☆		★	☆		10.5	8.6	2.3
LXET09T204-DR	★	☆		★	☆		★	☆		★	☆		★	☆		11.5	8.6	2.8
LXET100305-DR	★	☆		★	☆		★	☆		★	☆		★	☆		13.0	10.6	3.0
LXET110305-DR	★	☆		★	☆		★	☆		★	☆		★	☆		14.5	11.7	3.3
LXET13T305-DR	★	☆		★	☆		★	☆		★	☆		★	☆		15.0	13.2	3.75
LXET140405-DR	★	☆		★	☆		★	☆		★	☆		★	☆		15.0	14.7	4.0
LXET150405-DR	★	☆		★	☆		★	☆		★	☆		★	☆		15.5	16.2	4.5
LXET160505-DR	★	☆		★	☆		★	☆		★	☆		★	☆		16.5	17.4	5.0

SUPPORT PAD (700.10)



★ : first recommend grade ☆ : second recommend grade

INSERT > IL JIN

Insert size	P			M			K			N			S			I	W	S
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3			
LNXT0618-R070			★			★			★			★			★	18.0	6.0	3.0
LNXT0618-R075			★			★			★			★			★	18.0	6.0	3.0
LNXT0618-R085			★			★			★			★			★	18.0	6.0	3.0
LNXT0618-R095			★			★			★			★			★	18.0	6.0	3.0
LNXT0618-R105			★			★			★			★			★	18.0	6.0	3.0
LNXT0618-R120			★			★			★			★			★	18.0	6.0	3.0

DEEP HOLE DRILLING

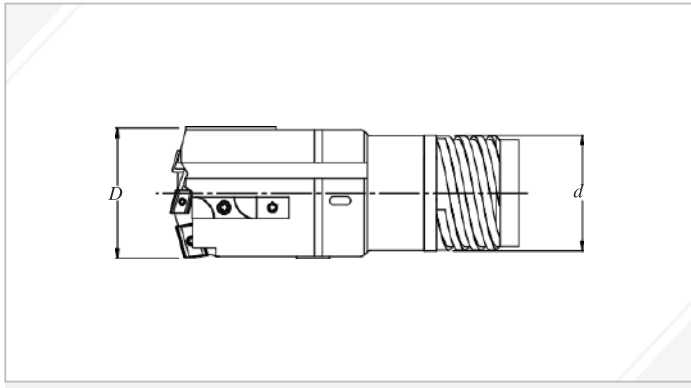
CARTRIDGE TYPE DRILL HEAD (801)



CARTRIDGE TYPE DRILL ORDER FORM

Drill Diameter	Cutting Depth
Drilling System to use = Ejector or STS	Drill Tube and size to use

CARTRIDGE TYPE DRILL HEAD (801)

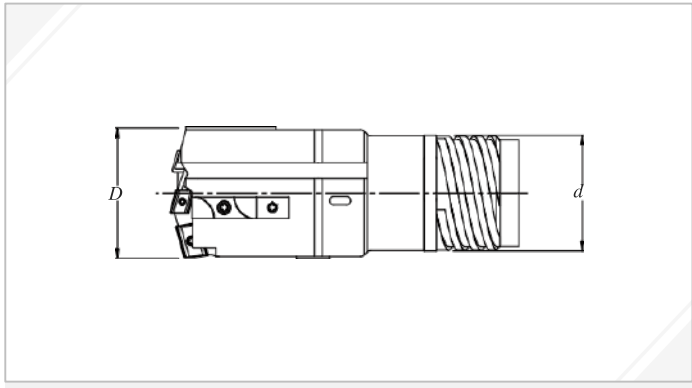


INSERT TYPE > IL JIN

Ordering Code	radius adjust ment	Center		Intermediate		Peripheral		Safe tg. Fiber Pad		Support Pad		Pad Screw		Screw driver
LHD-14D065	0.75	LPMT12T308C	1	LPMT12T308I	1	LPMT13T308	1	142067-S	3	430.32-12D65.0	3	5513 020-01-M3.5	7	T15
								142067-F	1	LNXT35D065-SUP				
LHD-15D068	0.75	LPMT12T308C	1	LPMT12T308I	1	LPMT13T308	1	142067-S	3	430.32-12D65.0	3	5513 020-01-M3.5	7	T15
								142067-F	1	LNXT35D065-SUP				
LHD-15D070	0.50	LPMT08T308C	2	LPMT08T308I	1	LPMT13T308	1	142067-S	3	430.32-12D70.0	3	5513 020-01-M3.5	7	T15
		LPMT06T308C	1					142067-F	1	LNXT35D065-SUP				
LHD-15D071	1.50	LPMT10T308C	1	LPMT12T308I	1	LPMT180608	1	142067-S	3	430.32-12D70.0	3	5513 020-01-M3.5	7	T15
								142067-F	1	LNXT35D065-SUP				
LHD-16D073	2.00	LPMT12T308C	1	LPMT12T308I	1	LPMT180608	1	142067-S	3	430.32-12D70.0~12D75.0	3	5513 020-01-M3.5	7	T15
								142067-F	1	LNXT35D065-SUP				
LHD-17D080	2.00	LPMT08T308C	1	LPMT12T308I	1	LPMT180608	1	142067-S	3	430.32-12D80.0	3	5513 020-01-M3.5	7	T15
		LPMT06T308C	2					142067-F	1	LNXT35D075-SUP				
LHD-17D086	2.00	LPMT08T308C	2	LPMT12T308I	1	LPMT180608	1	142067-S	3	430.32-12D85.0	3	5513 020-01-M3.5	7	T15
		LPMT06T308C	1					142067-F	1	LNXT35D085-SUP				
LHD-18D090	2.00	LPMT08T308C	3	LPMT12T308I	1	LPMT180608	1	142067-S	3	430.32-12D90.0	3	5513 020-01-M3.5	7	T15
								142067-F	1	LNXT35D085-SUP				
LHD-18D094	0.75	LPMT08T308C	3	LPMT12T308I	1	LPMT180608	1	142067-S	3	430.32-12D90.0	3	5513 020-01-M3.5	7	T15
								142067-F	1	LNXT35D085-SUP				
LHD-18D095	2.00	LPMT12T308C	1	LPMT08T308I	2	LPMT180608	1	142067-S	3	430.32-12D95.0	3	5513 020-01-M3.5	7	T15
				LPMT12T308I	1			142067-F	1	LNXT35D085-SUP				
LHD-18D098	2.00	LPMT12T308C	1	LPMT08T308I	2	LPMT180608	1	142067-S	3	430.32-12D95.0	3	5513 020-01-M3.5	7	T15
				LPMT12T308I	1			142067-F	1	LNXT35D085-SUP				
LHD-19D105	2.50	LPMT12T308C	1	LPMT08T308I	1	LPMT180608	1	202582-S	3	430.32-16D110.0~D115.0	3	5513 020-26-M5.0	7	T20
										430.32-16D105.0				
				LPMT12T308I	2			202582-F	1	LNXT50D100-SUP				
LHD-20D120	2.50	LPMT12T308C	1	LPMT08T308I	4	LPMT180608	1	202582-S	3	430.32-16D120.0	3	5513 020-26-M5.0	7	T20
				LPMT12T308I	1			202582-F	1	LNXT50D110-SUP				
LHD-21D125	2.50	LPMT12T308C	1	LPMT08T308I	4	LPMT180608	1	202582-S	3	430.32-16D125.0	3	5513 020-26-M5.0	7	T20
				LPMT12T308I	1			202582-F	1	LNXT50D120-SUP				
LHD-21D130	2.50	LPMT12T308C	1	LPMT08T308I	3	LPMT180608	1	202582-S	3	430.32-16D130.0	3	5513 020-26-M5.0	7	T20
				LPMT12T308I	2			202582-F	1	LNXT50D120-SUP				
LHD-21D135	2.50	LPMT12T308C	1	LPMT08T308I	3	LPMT180608	1	202582-S	3	430.32-16D130.0	3	5513 020-26-M5.0	7	T20
				LPMT12T308I	2			202582-F	1	LNXT50D130-SUP				
LHD-22D141	2.50	LPMT12T308C	1	LPMT08T308I	2	LPMT180608	1	202582-S	3	430.32-16D140.0	3	5513 020-26-M5.0	7	T20
				LPMT12T308I	3			202582-F	1	LNXT50D130-SUP				
LHD-23D150	2.50	LPMT12T308C	1	LPMT08T308I	1	LPMT180608	1	202582-S	3	430.32-16D150.0	3	5513 020-26-M5.0	7	T20
				LPMT12T308I	4			202582-F	1	LNXT50D130-SUP				
LHD-23D157	2.50	LPMT12T308C	1	LPMT12T308I	5	LPMT180608	1	202582-S	3	430.32-16D150.0	3	5513 020-26-M5.0	7	T20
								202582-F	1	LNXT50D130-SUP				
LHD-24D162	2.50	LPMT12T308C	1	LPMT12T308I	5	LPMT180608	1	202582-S	3	430.32-16D160.0	3	5513 020-26-M5.0	7	T20
								202582-F	1	LNXT50D130-SUP				

DEEP HOLE CARTRIDGE

CARTRIDGE TYPE DRILL HEAD (801)

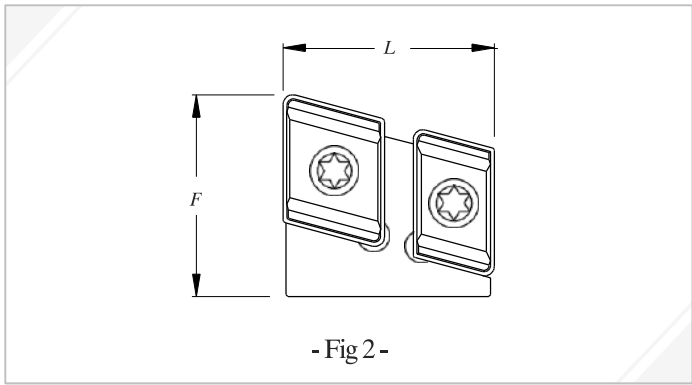
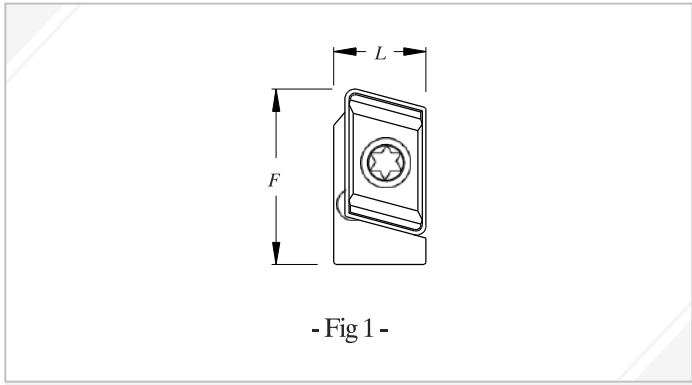


INSERT TYPE > IL JIN

Ordering Code	radius adjustment	Center		Intermediate		Peripheral	
LHD-14D065	0.75	CLP12T3C-K	1	CLP12T3I-K	1	CLP13T3P-K	1
LHD-15D068	0.75	CLP12T3C-K	1	CLP12T3I-K	1	CLP13T3P-K	1
LHD-15D070	0.50	CLP06T3C-2-K	1	CLP08T3I-K	1	CLP13T3P-K	1
		CLP06T3C-K	1				
LHD-15D071	1.50	CLP10T3C-K	1	CLP12T3I-K	1	CLP1806P-K	1
LHD-16D073	2.00	CLP12T3C-K	1	CLP12T3I-K	1	CLP1806P-K	1
LHD-17D080	2.00	CLP06T3C-2-K	1	CLP12T3I-K	1	CLP1806P-K	1
		CLP06T3C-K	1				
LHD-17D086	2.00	CLP08T3C-K	2	CLP12T3I-K	1	CLP1806P-K	1
		CLP06T3C-K	1				
LHD-18D090	2.00	CLP08T3C-K	3	CLP12T3I-K	1	CLP1806P-K	1
LHD-18D094	0.75	CLP08T3C-K	3	CLP12T3I-K	1	CLP1806P-K	1
LHD-18D095	2.00	CLP12T3C-K	1	CLP08T3I-K	2	CLP1806P-K	1
				CLP12T3I-K	1		
LHD-18D098	2.00	CLP12T3C-K	1	CLP08T3I-K	2	CLP1806P-K	1
				CLP12T3I-K	1		
LHD-19D105	2.50	CLP12T3C-K	1	CLP08T3I-K	1	CLP1806P-K	1
				CLP12T3I-K	2		
LHD-20D120	2.50	CLP12T3C-K	1	CLP08T3I-K	4	CLP1806P-K	1
				CLP12T3I-K	1		
LHD-21D125	2.50	CLP12T3C-K	1	CLP08T3I-K	4	CLP1806P-K	1
				CLP12T3I-K	1		
LHD-21D130	2.50	CLP12T3C-K	1	CLP08T3I-K	3	CLP1806P-K	1
				CLP12T3I-K	2		
LHD-21D135	2.50	CLP12T3C-K	1	CLP08T3I-K	3	CLP1806P-K	1
				CLP12T3I-K	2		
LHD-22D141	2.50	CLP12T3C-K	1	CLP08T3I-K	3	CLP1806P-K	1
				CLP12T3I-K	2		
LHD-23D150	2.50	CLP12T3C-K	1	CLP08T3I-K	1	CLP1806P-K	1
				CLP12T3I-K	4		
LHD-23D157	2.50	CLP12T3C-K	1	CLP12T3I-K	5	CLP1806P-K	1
LHD-24D162	2.50	CLP12T3C-K	1	CLP12T3I-K	5	CLP1806P-K	1

DEEP HOLE CARTRIDGE

Center Cartridge (801)

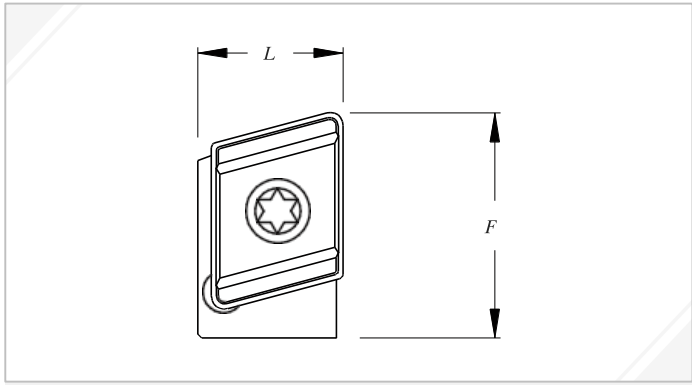


INSERT TYPE > IL JIN

Center cartridge	Insert	F	L	Insert Screw	Cartridge Screw	Screw driver	Fig
CLP06T3C-K	LPMT06T308C-G.L	14.30	8.0	5513 020-34-M2.5	5513 020-25-M4	T8,T15	1
CLP06T3C-2-K	LPMT08T308C-G.L	17.30	17.5	5513 020-34-M2.5	5513 020-26-M5	T8,T20	2
	LPMT06T308C-G.L						
CLP08T3C-K	LPMT08T308C-G.L	14.30	10.00	5513 020-34-M2.5	5513 020-25-M4	T8,T15	1
CLP10T3C-K	LPMT10T308C-G.L	15.30	12.00	5513 020-34-M2.5	5513 020-26-M5	T8,T20	1
CLP12T3C-K	LPMT12T308C-G.L	15.30	15.60	5513 020-34-M2.5	5513 020-26-M5	T8,T20	1

DEEP HOLE CARTRIDGE

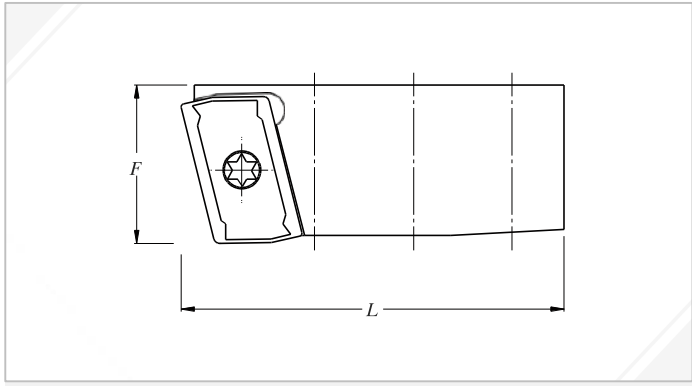
Intermediate Cartridge (801)



INSERT TYPE > IL JIN

Intermediate cartridge	Insert	F	L	Insert Screw	Cartridge Screw	Screw driver
CLP08T3I-K	LPMT08T308I-G,L	14.30	9.70	5513 020-34-M2.5	5513 020-25-M4	T8,T15
CLP12T3I-K	LPMT12T308I-G,L	15.30	14.60	5513 020-34-M2.5	5513 020-26-M5	T8,T20

Peripheral Cartridge (801)



INSERT TYPE > IL JIN

Peripheral cartridge	Insert	F	L	Insert Screw	Cartridge Screw	Screw driver
CLP13T3P-K	LPMT13T308-K22,K23	16.10	49.50	5513 020-24-M3	5513-M5*0.8P*15L	T9
CLP1806P-K	LPMT180608-K22,K23	21.00	50.70	5513 020-25-M4	5513-M6*1P*20L	T15

DEEP HOLE DRILLING

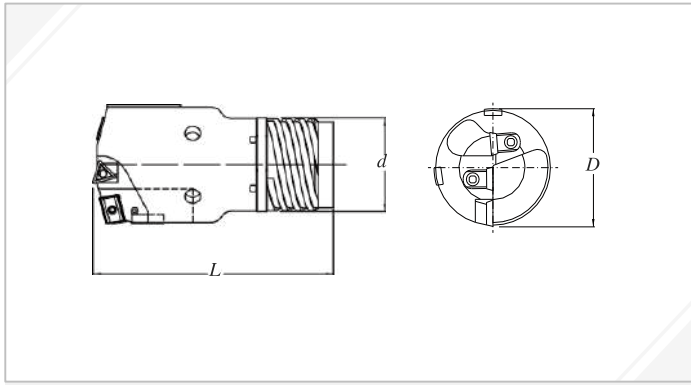
CARTRIDGE TYPE DRILL HEAD (424.10)



CARTRIDGE TYPE DRILL ORDER FORM

Drill Diameter	Cutting Depth
Drilling System to use = Ejector or STS	Drill Tube and size to use

CARTRIDGE TYPE DRILL HEAD (424.10)

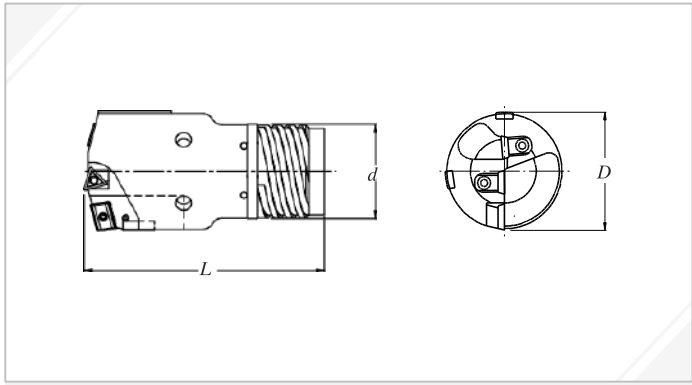


INSERT TYPE > IL JIN

Ordering Code	Dimensions mm		Center Cartridge		Intermediate Cartridge		Peripheral Cartridge		Support Pad	
	d	L								
THD-13D63.50~64.99	47.0	115	CTP16-K-L	1	CTP16-K-R	1	CLP13-K	1	430.32-12D65.0 LNXT35D065-SUP	2
THD-13E63.50~65.00	51.0	115	CTP16-K-L	1	CTP16-K-R	1	CLP13-K	1	430.32-12D65.0 LNXT35D065-SUP	2
THD-14D63.50~65.00	52.0	150	CTP16-K-L	1	CTP16-K-R	1	CLP13-K	1	430.32-12D65.0 LNXT35D065-SUP	2
THD-15D65.01~74.99	58.0	150	CTP16-K-L	1	CTP16-K-R	1	CLP13-K	1	430.32-12D65.0 LNXT35D065-SUP 430.32-12D70.0	2
THD-16D75.00~79.99	63.0	160	CTP16-K-L	1	CTP16-K-R	1	CLP18-K	1	430.32-12D75.0 LNXT35D075-SUP	2
THD-17D80.00~88.89	70.0	190	CTP16-K-L CTP22-K-L	1	CTP16-K-R	1	CLP18-K	1	430.32-12D80.0 LNXT35D085-SUP 430.32-12D85.0	2
THD-18D88.90~99.99	77.0	190	CTP22-K-L	1	CTP16-K-R CTP22-K-R	1	CLP18-K	1 1	430.32-12D85.0 LNXT35D085-SUP 430.32-12D90.0 430.32-12D95.0	2
THD-19D100.00~114.29	89.0	195	CTP22-K-L CTP16-K-L	1 1	CTP22-K-R CTP16-K-R	1 3	CLP18-K CLP13-K	1 1	430.32-16D100.0 LNXT50D100-SUP 430.32-16D105.0 LNXT50D110-SUP 430.32-16D110.0	2 2
THD-20D114.30~124.99	101.0	220	CTP16-K-L	1	CTP16-K-R	3	CLP13-K CLP18-K	1 1	430.32-16D110.0 LNXT50D110-SUP 430.32-16D115.0 430.32-16D120.0 LNXT50D120-SUP	2
THD-21D125.00~139.99	113.0	220	CTP16-K-L	1	CTP16-K-R	3	CLP18-K	1	430.32-16D125.0 LNXT50D120-SUP 430.32-16D130.0 LNXT50D130-SUP	2
THD-22D140.00~147.99	(Custom Order)									
THD-23D148.00~159.99										
THD-24D160.00~171.99										
THD-25D172.00~183.90										
Pad Screw						Screwdriver				
63.50~99.99	-	5513 020-01-M3.5				T15				
100.00~183.90	-	5513 020-26-M5.0				T20				

DEEP HOLE DRILLING

CARTRIDGE TYPE DRILL HEAD (424.10)



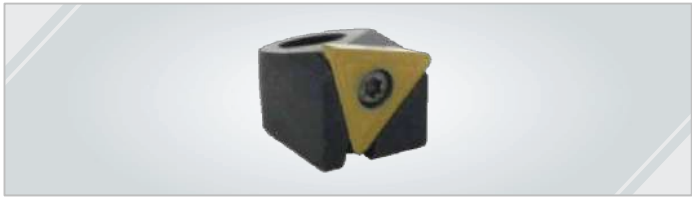
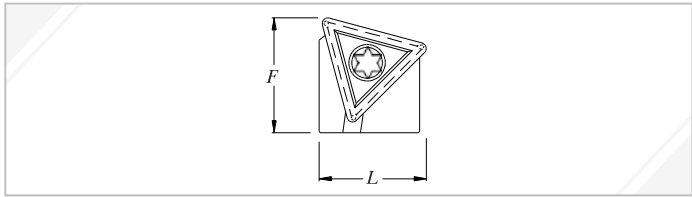
Cartridge, Insert size

INSERT TYPE > IL JIN

Center	Insert	Intermediate	Insert	Peripheral	Insert
CTP16-K-L	TPMT16T312R-K22	CTP16-K-R	TPMT16T312R-K22	CLP13-K	LPMT13T308-K22
	TPMT16T312R-K23		TPMT16T312R-K23		LPMT13T308-K23
CTP22-K-L	TPMT220612R-K22	CTP22-K-R	TPMT220612R-K22	CLP18-K	LPMT180608-K22
	TPMT220612R-K23		TPMT220612R-K23		LPMT180608-K23

DEEP HOLE CARTRIDGE

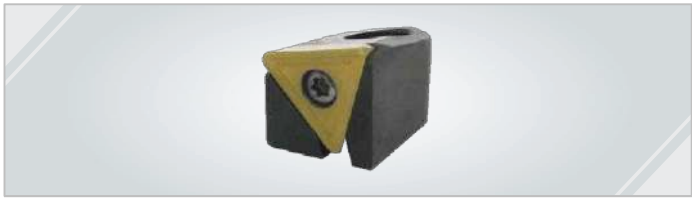
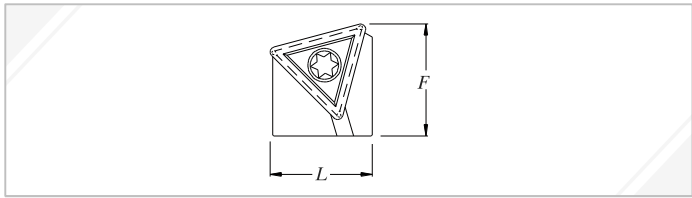
Center Cartridge (424.10)



INSERT TYPE > IL JIN

Center cartridge	Insert	F	L	Insert Screw	Cartridge Screw	Screw driver
CTP16-K-L	TPMT16T312R-K22.K23	15.50	15.50	5513 020-24-M3	5513 020-26-M5	T9,T20
CTP22-K-L	TPMT220612R-K22.K23	20.80	20.80	5513 020-25-M4	5513 020-26-M5	T15,T20

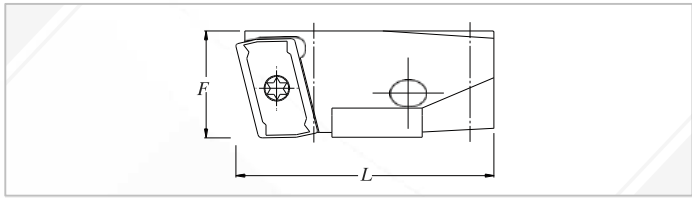
Intermediate Cartridge (424.10)



INSERT TYPE > IL JIN

Intermediate cartridge	Insert	F	L	Insert Screw	Cartridge Screw	Screw driver
CTP16-K-R	TPMT16T312R-K22.K23	15.50	15.50	5513 020-24-M3	5513 020-26-M5	T9,T20
CTP22-K-R	TPMT220612R-K22.K23	20.80	20.80	5513 020-25-M4	5513 020-26-M5	T15,T20

Peripheral Cartridge (424.10)

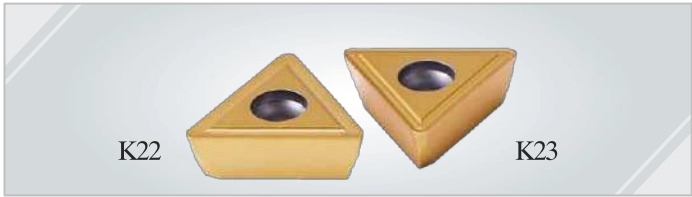
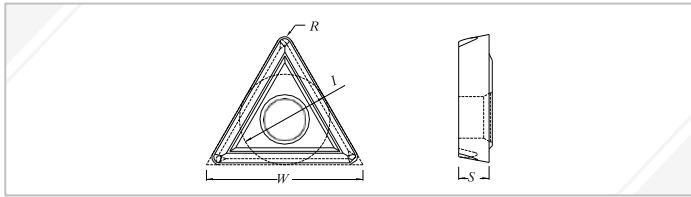


INSERT TYPE > IL JIN

Peripheral cartridge	Insert	F	L	Insert Screw	Cartridge Screw	Screw driver
CLP13-K	LPMT13T308-K22.K23	15.60	45.80	5513 020-24-M3	430.21-825-M6	154.3-835-M3
CLP18-K	LPMT180608-K22.K23	21.00	50.80	5513 020-25-M4	430.21-825-M6	154.3-835-M3

DEEP HOLE INSERT

INSERT / Intermediate (424.10)

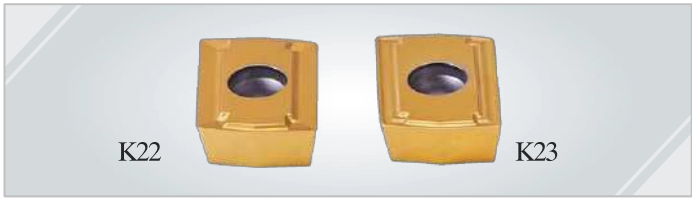
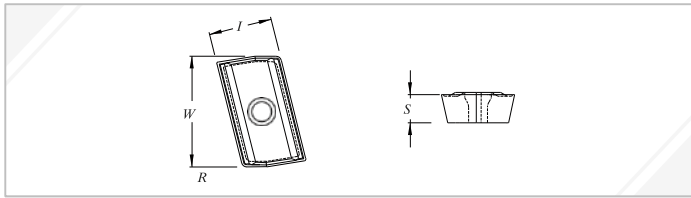


★ : first recommend grade ☆ : second recommend grade

INSERT > IL JIN

Insert size	P			M			K			N			S			I	W	S	R
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3				
TPMT16T312R-K22	★	☆		☆	★		★	☆			★		☆	★		9.52	16.5	3.97	1.2
TPMT16T312R-K23	★	☆		☆	★		★	☆			★		☆	★		9.52	16.5	3.97	1.2
TPMT220612R-K22	★	☆		☆	★		★	☆			★		☆	★		12.7	22.0	6.35	1.2
TPMT220612R-K23	★	☆		☆	★		★	☆			★		☆	★		12.7	22.0	6.35	1.2

INSERT Peripheral (424.10, 801)

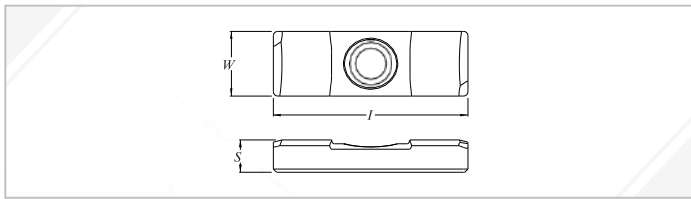


★ : first recommend grade ☆ : second recommend grade

INSERT > IL JIN

Insert size	P			M			K			N			S			I	W	S	R
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3				
LPMT 13T308-K22	★	☆		☆	★		★	☆			★		☆	★		10.0	14.3	3.96	0.8
LPMT 13T308-K23	★	☆		☆	★		★	☆			★		☆	★		10.0	14.3	3.96	0.8
LPMT 180608-K22	★	☆		☆	★		★	☆			★		☆	★		11.5	19.4	6.35	0.8
LPMT 180608-K23	★	☆		☆	★		★	☆			★		☆	★		11.5	19.4	6.35	0.8

SUPPORT Pad (424.10, 801)



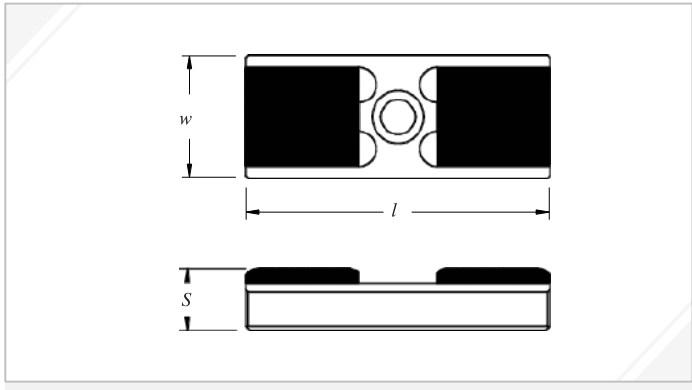
★ : first recommend grade ☆ : second recommend grade

SUPPORT PAD > IL JIN

Support Pad	P			M			K			N			S			I	W	S
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3			
LNXT35D065-SUP			★			★			★			★			★	35	14	7.0
LNXT35D075-SUP			★			★			★			★			★	35	14	7.0
LNXT35D085-SUP			★			★			★			★			★	35	14	7.0
LNXT50D100-SUP			★			★			★			★			★	50	20	8.5
LNXT50D110-SUP			★			★			★			★			★	50	20	8.5
LNXT50D120-SUP			★			★			★			★			★	50	20	8.5
LNXT50D130-SUP			★			★			★			★			★	50	20	8.5

DEEP HOLE INSERT

SUPPORT Pad (801,818,424.10,424.31,424.32,424.41,424.42)



★ : first recommend grade ☆ : second recommend grade

SUPPORT PAD > IL JIN

Insert size	P			M			K			N			S			I	W	S
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3			
430.32-10D35.0																35	12	7.0
430.32-10D40.0																35	12	7.0
430.32-10D45.0																35	12	7.0
430.32-10D50.0																35	12	7.0
430.32-10D55.0																35	12	7.0
430.32-10D60.0																35	12	7.0
430.32-12D65.0																35	14	7.0
430.32-12D70.0																35	14	7.0
430.32-12D75.0																35	14	7.0
430.32-12D80.0																35	14	7.0
430.32-12D85.0																35	14	7.0
430.32-12D90.0																35	14	7.0
430.32-12D95.0																35	14	7.0
430.32-16D100.0																50	20	8.5
430.32-16D105.0																50	20	8.5
430.32-16D110.0																50	20	8.5
430.32-16D115.0																50	20	8.5
430.32-16D120.0																50	20	8.5
430.32-16D125.0																50	20	8.5
430.32-16D130.0																50	20	8.5
430.32-16D140.0																50	20	8.5
430.32-16D150.0																50	20	8.5
430.32-16D160.0																50	20	8.5
430.32-16D170.0																50	20	8.5
430.32-16D180.0																50	20	8.5

DEEP HOLE DRILLING

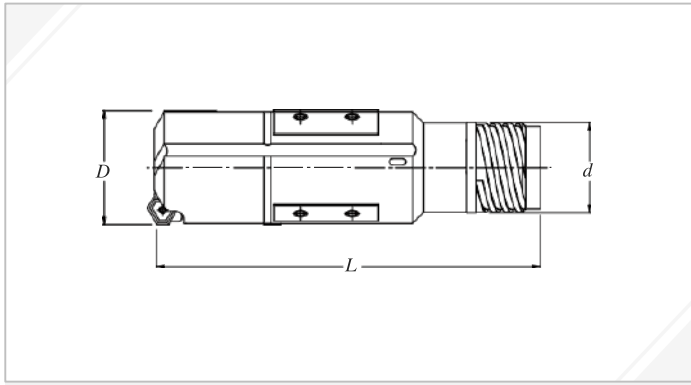
COUNTERBORING DRILL HEAD (818)



CARTRIDGE TYPE DRILL ORDER FORM

Drill Diameter	Cutting Depth or Pad - Boring size
Drilling System to use = Ejector or STS	Drill Tube and size to use
D210.00mm or more detachable type customized	

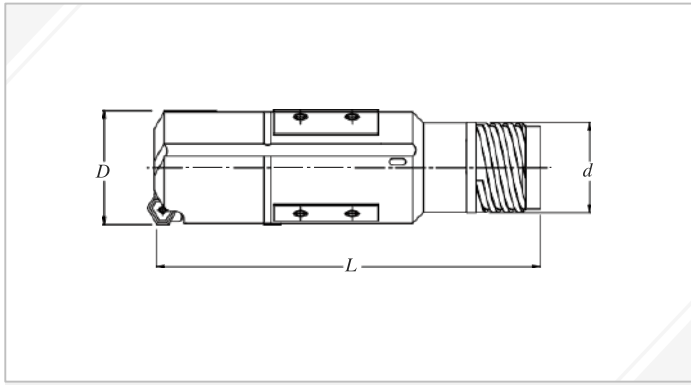
COUNTERBORING DRILL HEAD (818)



INSERT TYPE > IL JIN

Ordering Code	Radial adjustment	Dimensions mm		Main Cartridge	Main Insert	Compatible Cartridge	Compatible Cartridge
		d	L				
TBH-07D*35.00~37.99*	2	28	145.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
TBH-08D*38.00~42.99*	2	30	155.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
TBH-09D*43.01~44.99*	2	33	155.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
TBH-09D*45.00~47.00*	2	33	165.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
TBH-10D*47.01~49.99*	2	36	165.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
TBH-10D*50.00~51.70*	2	36	175.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
TBH-10D*51.71~56.20*	2	36	175.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
TBH-11D*56.21~56.99*	2	39	175.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
TBH-11D*57.00~60.99*	2	39	180.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
TBH-12D*61.00~65.00*	2	43	185.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
TBH-12D*65.01~68.99*	2	43	210.0	CTX25-K	TXN250408	CTP24-K-SP	TPGX240512R
TBH-13D*69.00~69.99*	2	47	210.0	CTX25-K	TXN250408	CTP24-K-SP	TPGX240512R
TBH-13D*70.00~74.99*	2	47	230.0	CTX25-K	TXN250408	CTP24-K-SP	TPGX240512R
TBH-14D*75.00~80.99*	5	52	260.0	CTX25-K	TXN250408	CTP24-K-SP	TPGX240512R
TBH-15D*81.00~89.99*	5	58	270.0	CTX25-K	TXN250408	CTP24-K-SP	TPGX240512R

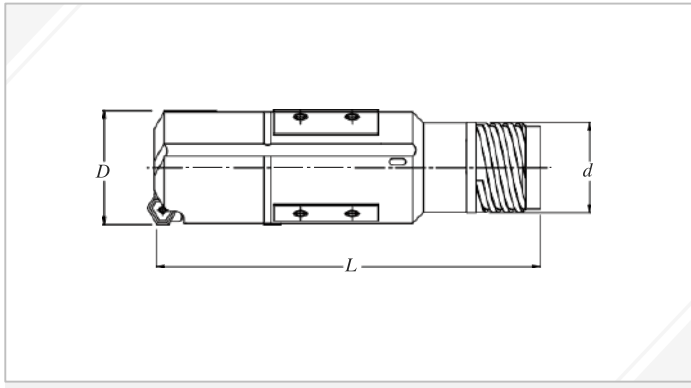
COUNTERBORING DRILL HEAD (818)



INSERT TYPE > IL JIN

Ordering Code	Radial adjustment	Dimensions mm		Main Cartridge	Main Insert	Compatible Cartridge	Compatible Cartridge
		d	L				
TBH-16D*90.00~98.99*	5	63	275.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-17D*99.00~99.99*	5	70	295.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-17D*100.00~106.99*	8	70	335.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-18D*107.00~119.99*	8	77	335.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-19D*120.00~129.99	8	89	335.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-19D*130.00~131.99*	8	89	360.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-20D*132.00~143.99*	8	101	380.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-21D*144.00~155.99*	8	113	380.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-22D*156.00~159.99*	8	125	380.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-22D*160.00~167.99*	8	125	405.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-23D*168.00~179.99*	8	137	425.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-24D*180.00~191.99*	8	149	425.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-25D*192.00~199.99*	8	161	420.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-25D*200.00~203.99*	8	161	480.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-26D*204.00~215.99*	8	173	495.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-27D*216.00~227.99*	8	185	500.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-28D*228.00~239.99*	8	197	500.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-29D*240.00~251.99*	8	209	510.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-30D*252.00~263.99*	8	221	510.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-31D*264.00~275.99*	8	233	520.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-32D*276.00~287.99*	8	245	530.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-33D*288.00~299.99*	8	257	530.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-34D*300.00~311.99*	8	269	580.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-35D*312.00~323.99*	8	281	590.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-36D*324.00~335.99*	8	293	595.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
TBH-37D*336.00~347.99*	8	305	600.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R

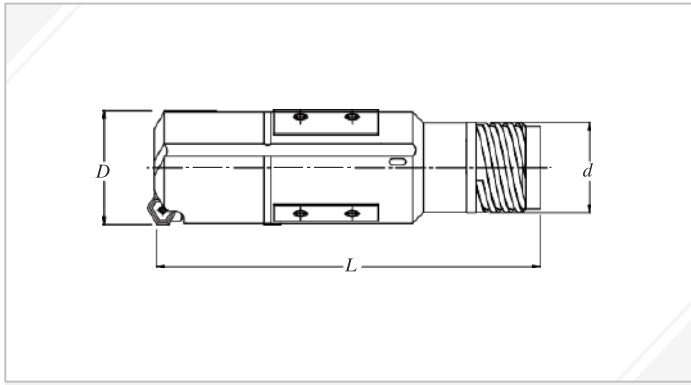
COUNTERBORING DRILL HEAD (818)



INSERT TYPE > IL JIN

Ordering Code	Radial adjustment	Pad Shoes	Support Pad	Safety Pad	Sud guide Pad	Blank fiber Pad	Seat protection plate	Support Pad Screw	Safety, Sudguide Pad Screw
TBH-07D*35.00~37.99*	2	-	430.32-10D35.0	142030-S	-	5571 001-04	-	5513 020-01-M3.5	5513 020-01-M3.5
TBH-08D*38.00~42.99*	2	-	430.32-10D35.0	142030-S	-	5571 001-05	-	5513 020-01-M3.5	5513 020-01-M3.5
TBH-9D*43.01~44.99*	2	-	430.32-10D40.0	142030-S	-	5571 001-05	-	5513 020-01-M3.5	5513 020-01-M3.5
TBH-9D*45.00~47.00*	2	-	430.32-10D45.0	142030-S	-	5571 001-06	-	5513 020-01-M3.5	5513 020-01-M3.5
TBH-10D*47.01~49.99*	2	-	430.32-10D45.0	142030-S	-	5571 001-06	-	5513 020-01-M3.5	5513 020-01-M3.5
TBH-10D*50.00~51.70*	2	-	430.32-10D50.0	142030-S	-	5571 001-06	-	5513 020-01-M3.5	5513 020-01-M3.5
TBH-10D*51.71~56.20*	2	-	430.32-10D50.0	142030-S	142067-F	5571 001-06	-	5513 020-01-M3.5	5513 020-01-M3.5
TBH-11D*56.21~56.99*	2	-	430.32-10D55.0	142030-S	142067-F	5571 001-06	-	5513 020-01-M3.5	5513 020-01-M3.5
TBH-11D*57.00~60.99*	2	-	430.32-10D55.0	142030-S	142067-F	5571 001-06	-	5513 020-01-M3.5	5513 020-01-M3.5
TBH-12D*61.00~65.00*	2	-	430.32-10D60.0	142030-S	142067-F	5571 001-06	-	5513 020-01-M3.5	5513 020-01-M3.5
TBH-12D*65.01~68.99*	2	-	430.32-12D65.0	142067-S	142067-F	5571 001-06	5549 029-01	5513 020-01-M3.5	5513 020-01-M3.5
			LNXT35 D065-SUP						
TBH-13D*69.00~69.99*	2	-	430.32-12D65.0	142067-S	142067-F	5571 001-06	5549 029-01	5513 020-01-M3.5	5513 020-01-M3.5
			LNXT35 D065-SUP						
TBH-13D*70.00~74.99*	2	-	430.32-12D70.0	142067-S	142067-F	5571 001-07	5549 029-02	5513 020-01-M3.5	5513 020-01-M3.5
			LNXT35 D065-SUP						
TBH-14D*75.00~80.99*	5	818-12-065-S	430.32-12D75.0	-	142067-F	5571 001-07	5549 029-03	5513 020-01-M3.5	5513 020-01-M3.5
			LNXT35 D075-SUP						
TBH-15D*81.00~89.99*	5	818-12-065-S	430.32-12D80.0	-	142067-F	5571 001-08	5549 029-04	5513 020-01-M3.5	5513 020-01-M3.5
			LNXT35 D075-SUP						

COUNTERBORING DRILL HEAD (818)



INSERT TYPE > IL JIN

Ordering Code	Radial adjustment	Pad Shoes	Support Pad	Safety Pad	Sud guide Pad	Blank fiber Pad	Seat protection plate	Support Pad Screw	Safety, Sud guibe Pad Screw
TBH-16D*90.00~98.99*	5	818-12-065-S	430.32-12D90.0 LNXT35 D085-SUP	-	142067-F	5571 001-08	5549 029-04	5513 020-01-M3.5	5513 020-01-M3.5
TBH-17D*99.00~99.99*	5	818-12-065-S	430.32-12D95.0 LNXT35 D085-SUP	-	142067-F	5571 001-08	5549 029-04	5513 020-01-M3.5	5513 020-01-M3.5
TBH-17D*100.00~106.99*	8	818-16-110-S	430.32-16D100.0 LNXT50 D100-SUP	-	142067-F	5571 001-09	5549 029-04	5513 020-26-M5.0	5513 020-26-M5.0
TBH-18D*107.00~119.99*	8	818-16-110-S	430.32-16D105.0 LNXT50 D100-SUP	-	202582-F	5571 001-09	5549 029-04	5513 020-26-M5.0	5513 020-26-M5.0
TBH-19D*120.00~129.99	8	818-16-110-S	430.32-16D120.0 LNXT50 D120-SUP	-	202582-F	5571 001-09	5549 029-05	5513 020-26-M5.0	5513 020-26-M5.0
TBH-19D*130.00~131.99*	8	818-16-110-S	430.32-16D130.0 LNXT50 D130-SUP	-	202582-F	5571 001-09	5549 029-05	5513 020-26-M5.0	5513 020-26-M5.0
TBH-20D*132.00~143.99*	8	818-16-110-S	430.32-16D130.0 LNXT50 D130-SUP	-	202582-F	5571 001-10	5549 029-05	5513 020-26-M5.0	5513 020-26-M5.0
TBH-21D*144.00~155.99*	8	818-16-110-S	430.32-16D140.0	-	202582-F	5571 001-10	5549 029-05	5513 020-26-M5.0	5513 020-26-M5.0
TBH-22D*156.00~159.99*	8	818-16-110-S	430.32-16D150.0	-	202582-F	5571 001-10	5549 029-05	5513 020-26-M5.0	5513 020-26-M5.0
TBH-22D*160.00~167.99*	8	818-16-110-S	430.32-16D160.0	-	202582-F	5571 001-11	5549 029-06	5513 020-26-M5.0	5513 020-26-M5.0
TBH-23D*168.00~179.99*	8	818-16-110-S	430.32-16D160.0	-	202582-F	5571 001-11	5549 029-06	5513 020-26-M5.0	5513 020-26-M5.0
TBH-24D*180.00~191.99*	8	818-16-110-S	430.32-16D180.0	-	202582-F	5571 001-11	5549 029-06	5513 020-26-M5.0	5513 020-26-M5.0
TBH-25D*192.00~199.99*	8	818-16-110-S	430.32-16D180.0	-	202582-F	5571 001-11	5549 029-06	5513 020-26-M5.0	5513 020-26-M5.0
TBH-25D*200.00~203.99*	8	818-16-110-S	430.32-16D180.0	-	202582-F	5571 001-11	5549 029-06	5513 020-26-M5.0	5513 020-26-M5.0
TBH-26D*204.00~215.99*	8	818-18-300-R	430.21-18D200.0	-	202582-F	5571 001-12	5549 029-07	5513 020-26-M5.0	5513 020-26-M5.0
TBH-27D*216.00~227.99*	8	818-18-300-R	430.21-18D225.0	-	202582-F	5571 001-12	5549 029-07	5513 020-26-M5.0	5513 020-26-M5.0
TBH-28D*228.00~239.99*	8	818-18-300-R	430.21-18D225.0	-	202582-F	5571 001-12	5549 029-07	5513 020-26-M5.0	5513 020-26-M5.0
TBH-29D*240.00~251.99*	8	818-18-300-R	430.21-18D225.0	-	202582-F	5571 001-12	5549 029-07	5513 020-26-M5.0	5513 020-26-M5.0
TBH-30D*252.00~263.99*	8	818-18-300-R	430.21-18D250.0	-	202582-F	5571 001-12	5549 029-07	5513 020-26-M5.0	5513 020-26-M5.0
TBH-31D*264.00~275.99*	8	818-18-300-R	430.21-18D250.0	-	202582-F	5571 001-13	5549 029-07	5513 020-26-M5.0	5513 020-26-M5.0
TBH-32D*276.00~287.99*	8	818-18-300-R	430.21-18D250.0	-	202582-F	5571 001-13	5549 029-07	5513 020-26-M5.0	5513 020-26-M5.0
TBH-33D*288.00~299.99*	8	818-18-300-R	430.21-18D250.0	-	202582-F	5571 001-13	5549 029-07	5513 020-26-M5.0	5513 020-26-M5.0
TBH-34D*300.00~311.99*	8	818-26-500-R	430.21-18D250.0	-	202582-F	5571 001-13	5549 029-07	5513 020-26-M5.0	5513 020-26-M5.0
TBH-35D*312.00~323.99*	8	818-26-500-R	430.21-18D250.0	-	202582-F	5571 001-13	5549 029-07	5513 020-26-M5.0	5513 020-26-M5.0
TBH-36D*324.00~335.99*	8	818-26-500-R	430.21-18D250.0	-	202582-F	5571 001-13	5549 029-07	5513 020-26-M5.0	5513 020-26-M5.0
TBH-37D*336.00~347.99*	8	818-26-500-R	430.21-18D250.0	-	202582-F	5571 001-13	5549 029-07	5513 020-26-M5.0	5513 020-26-M5.0

DEEP HOLE DRILLING

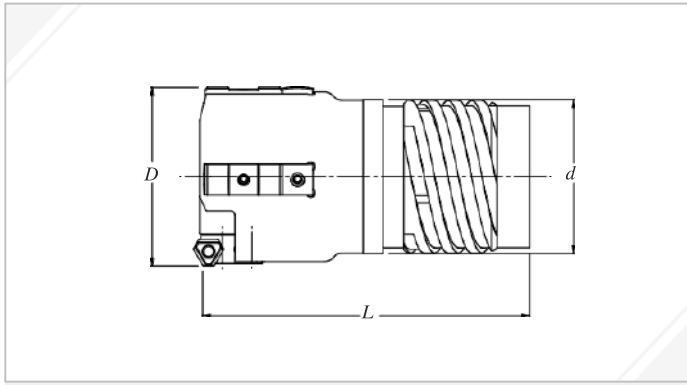
COUNTERBORING DRILL HEAD (424.31)



COUNTERBORING DRILL ORDER FORM

Drill Diameter	Cutting Depth or Pad - Boring size
Drilling System to use = Ejector or STS	Drill Tube and size to use

COUNTER BORING DRILL HEAD (424.31)

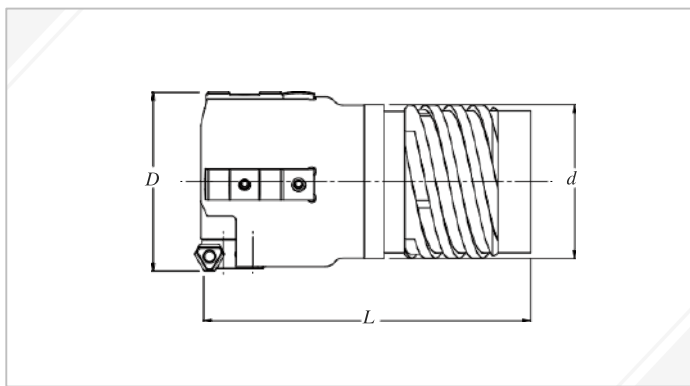


INSERT TYPE > IL JIN

Ordering Code	Radial adjustment	Dimensions mm		Main Cartridge	Main Insert	Compatible Cartridge	Compatible Cartridge
		d	L				
RBH-07D*35.00~37.99*	2	28	90.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
RBH-08D*38.00~42.99*	2	30	90.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
RBH-09D*43.01~44.99*	2	33	95.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
RBH-09D*45.00~47.00*	2	33	95.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
RBH-10D*47.01~49.99*	2	36	100.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
RBH-10D*50.00~51.70*	2	36	100.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
RBH-10D*51.71~56.20*	2	36	100.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
RBH-11D*56.21~56.99*	2	39	105.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
RBH-11D*57.00~60.99*	2	39	105.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
RBH-12D*61.00~65.00*	2	43	135.0	CTX16-K	TXN160408	CTP17-K-SP	TPGX170408R
RBH-12D*65.01~68.99*	2	43	135.0	CTX25-K	TXN250408	CTP24-K-SP	TPGX240512R
RBH-13D*69.00~69.99*	2	47	150.0	CTX25-K	TXN250408	CTP24-K-SP	TPGX240512R
RBH-13D*70.00~74.99*	2	47	150.0	CTX25-K	TXN250408	CTP24-K-SP	TPGX240512R
RBH-14D*75.00~80.99*	5	52	150.0	CTX25-K	TXN250408	CTP24-K-SP	TPGX240512R
RBH-15D*81.00~89.99*	5	58	180.0	CTX25-K	TXN250408	CTP24-K-SP	TPGX240512R
RBH-16D*90.00~98.99*	5	63	180.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
RBH-17D*99.00~99.99*	5	70	200.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
RBH-17D*100.00~106.99*	8	70	200.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R
RBH-18D*107.00~119.99*	8	77	200.0	CTX40-K	TXN400408	CTP28-K-SP	TPGX280716R

* 주문제작 서비스 (Custom Order)

COUNTERBORING DRILL HEAD (424.31)



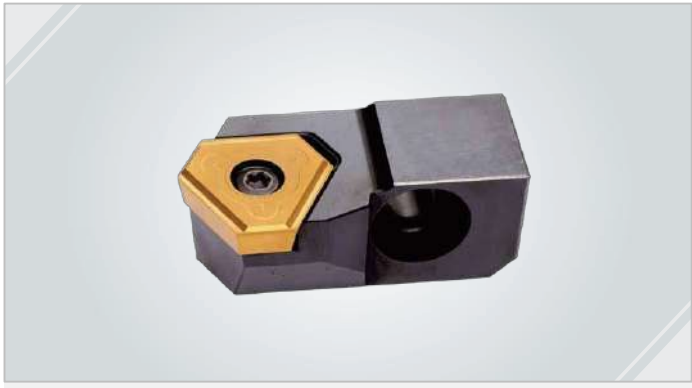
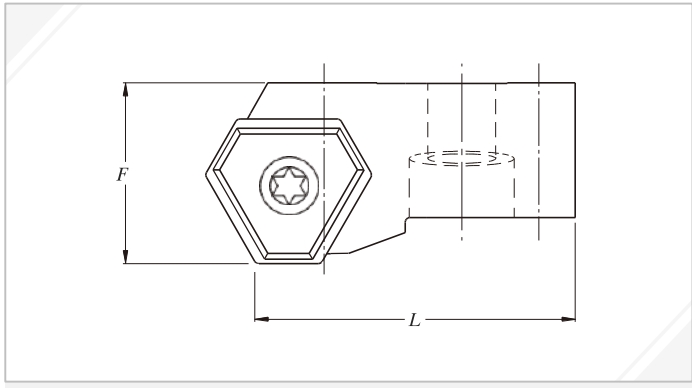
INSERT TYPE > IL JIN

Ordering Code	Radial adjustment	Pad Shoes	Support Pad	Safety Pad	Support Pad Screw	Safety Pad Screw
RBH-07D*35.00~37.99*	2	-	430.32-10D35.0	142030-S	5513 020-01-M3.5	5513 020-01-M3.5
RBH-08D*38.00~43.00*	2	-	430.32-10D35.0	142030-S	5513 020-01-M3.5	5513 020-01-M3.5
RBH-9D*43.01~44.99*	2	-	430.32-10D40.0	142030-S	5513 020-01-M3.5	5513 020-01-M3.5
RBH-9D*45.00~47.00*	2	-	430.32-10D45.0	142030-S	5513 020-01-M3.5	5513 020-01-M3.5
RBH-10D*47.01~49.99*	2	-	430.32-10D45.0	142030-S	5513 020-01-M3.5	5513 020-01-M3.5
RBH-10D*50.00~51.70*	2	-	430.32-10D50.0	142030-S	5513 020-01-M3.5	5513 020-01-M3.5
RBH-10D*51.71~56.20*	2	-	430.32-10D50.0	142030-S	5513 020-01-M3.5	5513 020-01-M3.5
RBH-11D*56.21~56.99*	2	-	430.32-10D55.0	142030-S	5513 020-01-M3.5	5513 020-01-M3.5
RBH-11D*57.00~60.99*	2	-	430.32-10D55.0	142030-S	5513 020-01-M3.5	5513 020-01-M3.5
RBH-12D*61.00~65.00*	2	-	430.32-10D60.0	142030-S	5513 020-01-M3.5	5513 020-01-M3.5
RBH-12D*65.01~68.99*	2	-	430.32-12D65.0	142067-S	5513 020-01-M3.5	5513 020-01-M3.5
			LNXT35 D065-SUP			
RBH-13D*69.00~69.99*	2	-	430.32-12D65.0	142067-S	5513 020-01-M3.5	5513 020-01-M3.5
			LNXT35 D065-SUP			
RBH-13D*70.00~74.99*	2	-	430.32-12D70.0	142067-S	5513 020-01-M3.5	5513 020-01-M3.5
			LNXT35 D065-SUP			
RBH-14D*75.00~80.99*	5	818-12-065-S	430.32-12D75.0	-	5513 020-01-M3.5	5513 020-01-M3.5
			LNXT35 D075-SUP			
RBH-15D*81.00~89.99*	5	818-12-065-S	430.32-12D80.0	-	5513 020-01-M3.5	5513 020-01-M3.5
			LNXT35 D075-SUP			
RBH-16D*90.00~98.99*	5	818-12-065-S	430.32-12D90.0	-	5513 020-01-M3.5	5513 020-01-M3.5
			LNXT35 D085-SUP			
RBH-17D*99.00~99.99*	5	818-12-065-S	430.32-12D95.0	-	5513 020-01-M3.5	5513 020-01-M3.5
			LNXT35 D085-SUP			
RBH-17D*100.00~106.99*	8	818-16-110-S	430.32-16D100.0	-	5513 020-26-M5.0	5513 020-26-M5.0
			LNXT50 D100-SUP			
RBH-18D*107.00~119.99*	8	818-16-110-S	430.32-16D105.0	-	5513 020-26-M5.0	5513 020-26-M5.0
			LNXT50 D100-SUP			

* (Custom Order)

DEEP HOLE CARTRIDGE/INSERT

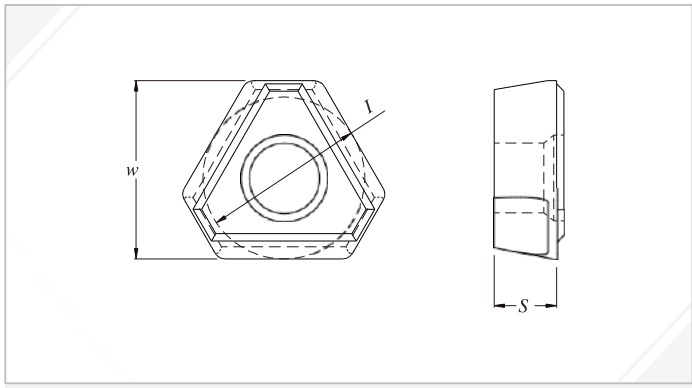
Cartridge (818, 424.31, 424.41)



INSERT TYPE > IL JIN

cartridge	Insert	F	L	Insert	Screw driver
CTX16-K	TXN160408-G-L	16.00	32.00	5513 020-02-M4	T15
CTX25-K	TXN250408-G-L	24.00	54.00	5513 020-55-M5	T20
CTX40-K	TXN400708-G-L	32.00	56.00	5513 020-14-M6	T25

INSERT (818, 424.31, 424.41)



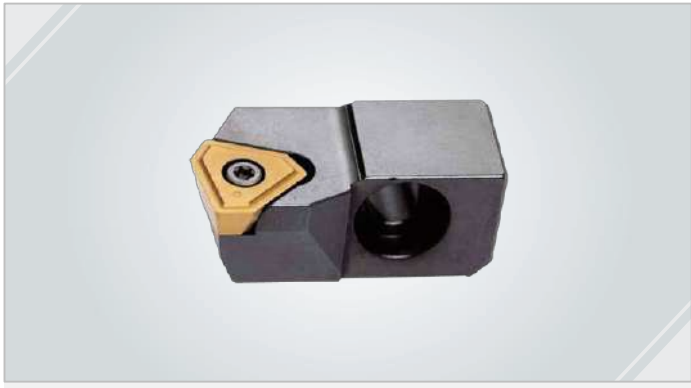
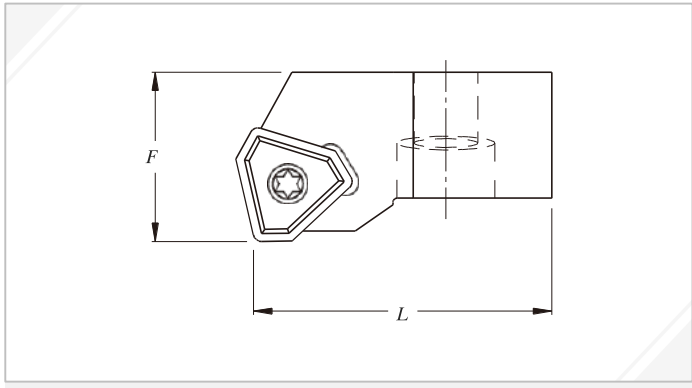
★ : first recommend grade ☆ : second recommend grade

INSERT > IL JIN

Insert size	P			M			K			N			S			I	W	S
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3			
TXN160408-G-L	★	☆		☆	★		★	☆			★		☆	★		10.9	11.9	4.76
TXN250408-G-L	★	☆		☆	★		★	☆			★		☆	★		17.2	18.8	4.76
TXN400708-G-L	★	☆		☆	★		★	☆			★		☆	★		23.5	25.5	7.00

DEEP HOLE CARTRIDGE/INSERT

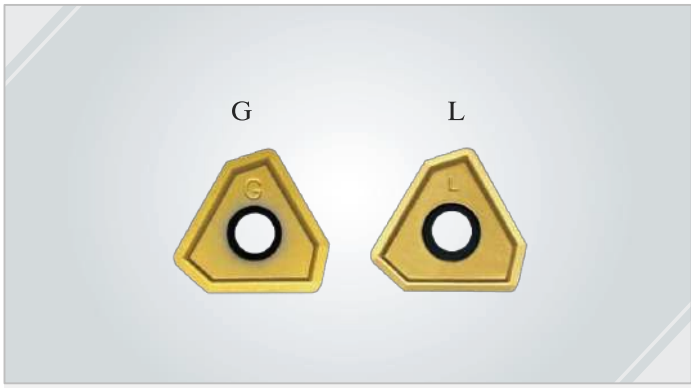
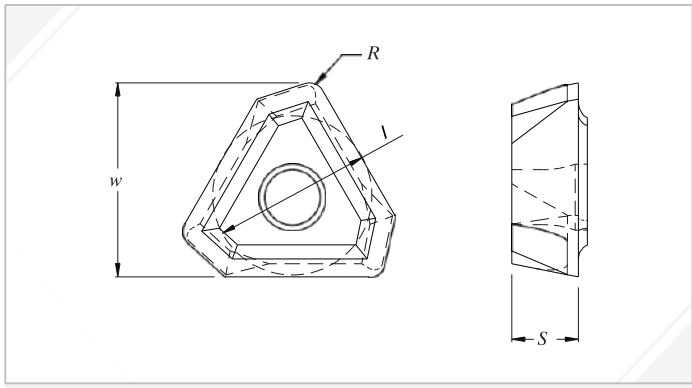
Cartridge (818, 424.31)



INSERT > IL JIN

cartridge	Insert	F	L	Cartridge Screw	Insert Screw	Screw driver
CTP17-K-SP	TPGX170408R-G-L	16.00	32.00	5513-M5*0.8P*15L	CSTB-M3.5	T9
CTP24-K-SP	TPGX240512R-G-L	24.00	54.00	5513-M8*1.25P*20L	CSTB-M4.0	T20
CTP28-K-SP	TPGX280716R-G-L	32.00	56.00	5513-M10*1.5P*25L	CSTB-M5.0	T25

INSERT (818, 424.31)



★ : first recommend grade ☆ : second recommend grade

INSERT TYPE > IL JIN

Insert size	P			M			K			N			S			I	W	S	R
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3				
TPGX170408R-G-L	★	☆		☆	★		★	☆		★		☆	★			10.30	12.7	4.00	0.8
TPGX240512R-G-L	★	☆		☆	★		★	☆		★		☆	★			14.20	17.29	5.50	1.2
TPGX280716R-G-L	★	☆		☆	★		★	☆		★		☆	★			17.00	20.46	7.57	1.6

DEEP HOLE DRILLING

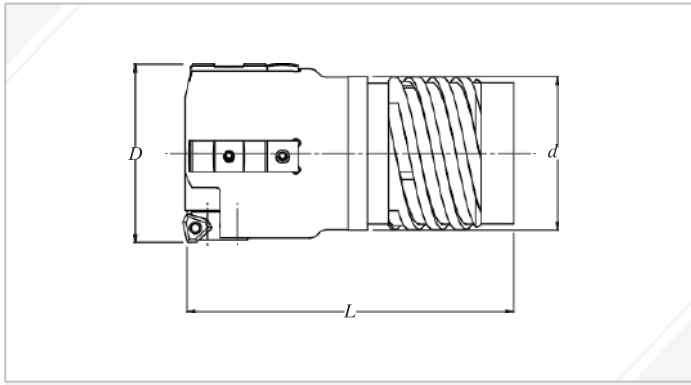
COUNTERBORING DRILL HEAD (424.32)



COUNTERBORING DRILL ORDER FORM

Drill Diameter	Cutting Depth or Pad - Boring size
Drilling System to use = Ejector or STS	Drill Tube and size to use

COUNTERBORING DRILL HEAD (424.32)



INSERT TYPE > IL JIN

Ordering Code	Dimensions mm		Insert	Cartridge	Safety Pad	Support Pad	Support Pad Screw	Screw driver
	d	L						
CBH-08D*40.00~43.00*	33	90	TPGX140308R	CTP14-K	-	LNXT0825-SUP	5513 020-16-M3.5	T10
CBH-09D*43.01~47.00*	33	95	TPGX140308R	CTP14-K	-	LNXT0825-SUP	5513 020-16-M3.5	T10
CBH-10D*47.01~51.70*	36	100	TPGX140308R	CTP14-K	-	LNXT1030-SUP	416.1-833-M3.5	T10
CBH-11D*51.71~56.20*	39	100	TPGX140308R	CTP14-K	-	LNXT1030-SUP	416.1-833-M3.5	T10
CBH-12D*56.21~60.60*	43	105	TPGX170408R	CTP17-K	-	LNXT1235-SUP	416.1-833-M3.5	T10
CBH-13D*60.61~66.99*	47	135	TPGX170408R	CTP17-K	-	LNXT1235-SUP	416.1-833-M3.5	T10
CBH-13E*67.00~72.99*	51	150	TPGX240512R	CTP24-K	142067-S	LNXT35D065-SUP	5513 020-01-M3.5	T15
CBH-14D*73.00~79.99*	52	150	TPGX240512R	CTP24-K	142067-S	LNXT35D065-SUP	5513 020-01-M3.5	T15
CBH-15D*80.00~86.99*	53	180	TPGX240512R	CTP24-K	142067-S	LNXT35D075-SUP	5513 020-01-M3.5	T15
CBH-16D*87.00~89.99*	63	180	TPGX240512R	CTP24-K	142067-S	LNXT35D085-SUP	5513 020-01-M3.5	T15
CBH-17D*90.00~99.99*	70	200	TPGX280716R	CTP28-K	142067-S	LNXT35D085-SUP	5513 020-01-M3.5	T15
CBH-18D*100.00~109.99*	77	200	TPGX280716R	CTP28-K	202582-S	LNXT50D100-SUP	5513 020-26-M5.0	T20
CBH-19D*110.00~120.00*	89	200	TPGX280716R	CTP28-K	202582-S	LNXT50D110-SUP	5513 020-26-M5.0	T20

*(Custom Order)

DEEP HOLE DRILLING

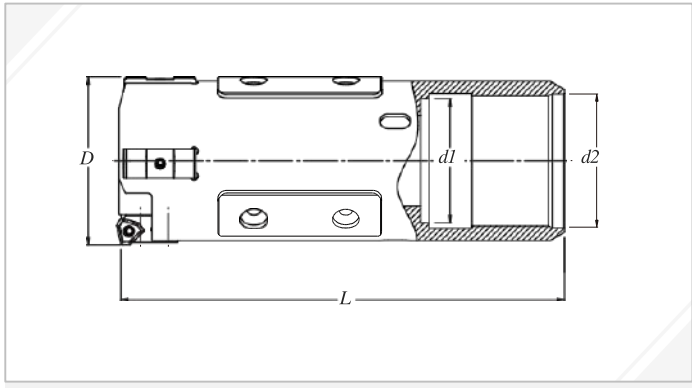
COUNTERBORING DRILL HEAD (424.41, 424.42)



COUNTERBORING DRILL ORDER FORM

Drill Diameter	Cutting Depth or Pad - Boring size
Drilling System to use = 1 Start Thread = Ejector or STS Drill Tube and size to use	Drill Tube and size to use

COUNTERBORING DRILL HEAD (424.41, 424.42)



DRILL HEAD (424.41)

INSERT TYPE > IL JIN

Ordering Code	Dimensions mm			Insert	Cartridge	Blank fiber pad	Support Pad	Support Pad Screw	Screw driver
	d1	d2	L						
GBH-SII-*40.00~43.99*	30	33	135	TNX160408	CTX16-K	5571011-05	LNXT0825-SUP	5513020-16-M3.5	T10
GBH-SII-*44.00~46.99*	34	37	135	TNX160408	CTX16-K	5571011-05	LNXT0825-SUP	5513020-16-M3.5	T10
GBH-SII-*47.00~51.99*	37	41	145	TNX160408	CTX16-K	5571011-05	LNXT1030-SUP	416.1-833-M3.5	T10
GBH-SII-*52.00~56.99*	40	44	145	TNX160408	CTX16-K	5571011-06	LNXT1030-SUP	416.1-833-M3.5	T10
GBH-SII-*57.00~60.99*	45	49	170	TNX250408	CTX25-K	5571011-06	LNXT1235-SUP	416.1-833-M3.5	T10
GBH-SII-*61.00~67.99*	49	53	170	TNX250408	CTX25-K	5571011-06	LNXT1235-SUP	416.1-833-M3.5	T10
GBH-SII-*68.00~74.99*	54	59	170	TNX250408	CTX25-K	5571011-06	LNXT35D065-SUP	5513020-01-M3.5	T15
GBH-SII-*75.00~80.99*	60	65	205	TNX250408	CTX25-K	5571011-07	LNXT35D065-SUP	5513020-01-M3.5	T15
GBH-SII-*81.00~90.99*	66	71	205	TNX400708	CTX40-K	5571011-07	LNXT35D075-SUP	5513020-01-M3.5	T15
GBH-SII-*91.00~98.99*	74	79	215	TNX400708	CTX40-K	5571011-09	LNXT35D085-SUP	5513020-01-M3.5	T15
GBH-SII-*99.00~110.99*	85	90	215	TNX400708	CTX40-K	5571011-09	LNXT35D085-SUP	5513020-01-M3.5	T15

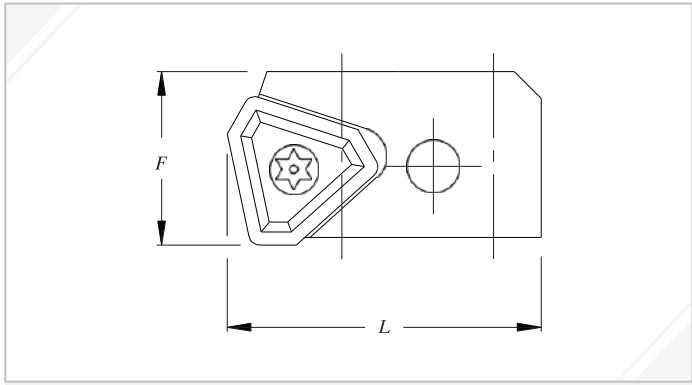
DRILL HEAD (424.42)

INSERT TYPE > IL JIN

Ordering Code	Dimensions mm			Insert	Cartridge	Blank fiber pad	Support Pad	Support Pad Screw	Screw driver
	d1	d2	L						
KBH-SII-*40.00~43.99*	30	33	135	TPGX140308R	CTP14-K	5571011-05	LNXT0825-SUP	5513020-16-M3.5	T10
KBH-SII-*44.00~46.99*	34	37	135	TPGX140308R	CTP14-K	5571011-05	LNXT0825-SUP	5513020-16-M3.5	T10
KBH-SII-*47.00~51.99*	37	41	145	TPGX140308R	CTP14-K	5571011-05	LNXT1030-SUP	416.1-833-M3.5	T10
KBH-SII-*52.00~56.99*	40	44	145	TPGX170408R	CTP17-K	5571011-06	LNXT1030-SUP	416.1-833-M3.5	T10
KBH-SII-*57.00~60.99*	45	49	170	TPGX170408R	CTP17-K	5571011-06	LNXT1235-SUP	416.1-833-M3.5	T10
KBH-SII-*61.00~67.99*	49	53	170	TPGX170408R	CTP17-K	5571011-06	LNXT1235-SUP	416.1-833-M3.5	T10
KBH-SII-*68.00~74.99*	54	59	170	TPGX240512R	CTP24-K	5571011-06	LNXT35D065-SUP	5513020-01-M3.5	T15
KBH-SII-*75.00~80.99*	60	65	205	TPGX240512R	CTP24-K	5571011-07	LNXT35D065-SUP	5513020-01-M3.5	T15
KBH-SII-*81.00~90.99*	66	71	205	TPGX240512R	CTP24-K	5571011-07	LNXT35D075-SUP	5513020-01-M3.5	T15
KBH-SII-*91.00~98.99*	74	79	215	TPGX240512R	CTP24-K	5571011-09	LNXT35D085-SUP	5513020-01-M3.5	T15
KBH-SII-*99.00~110.99*	85	90	215	TPGX240512R	CTP24-K	5571011-09	LNXT35D085-SUP	5513020-01-M3.5	T15

DEEP HOLE CARTRIDGE/INSERT

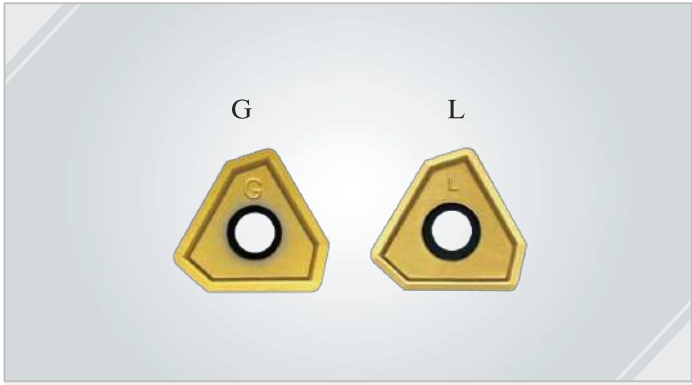
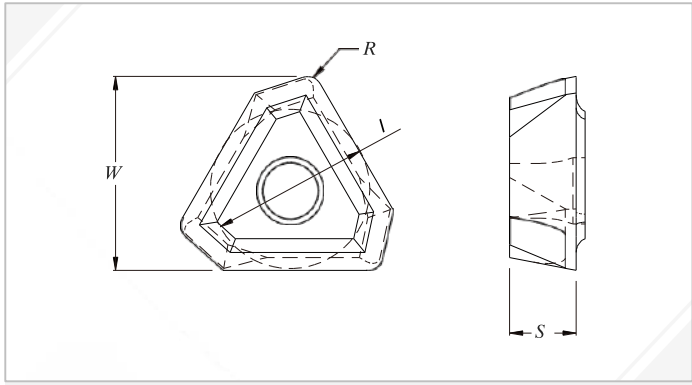
Cartridge (424.32, 424.42)



INSERT > IL JIN

cartridge	Insert	F	L	Insert Screw	Screw driver
CTP14-K	TPGX140308R-G-L	11.45	23.00	CSTB-M2.5	T8
CTP17-K	TPGX170408R-G-L	14.40	30.00	CSTB-M3.5	T9
CTP24-K	TPGX240512R-G-L	19.45	35.00	CSTB-M4.0	T15
CTP28-K	TPGX280716R-G-L	23.25	45.00	CSTB-M5.0	T20

INSERT (424.32, 424.42)



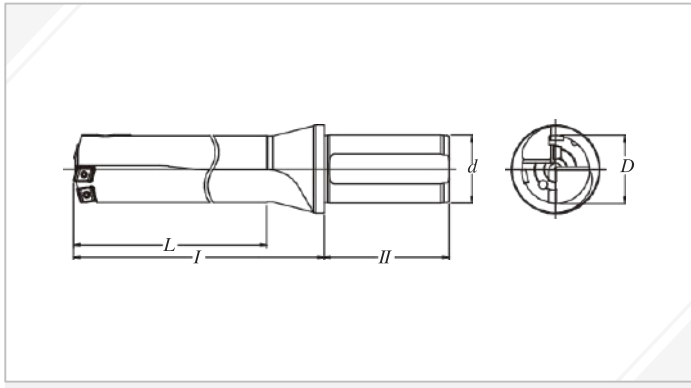
★ : first recommend grade ☆ : second recommend grade

INSERT TYPE > IL JIN

Insert size	P			M			K			N			S			I	W	S	R
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3				
TPGX140308R-G-L	★	☆		☆	★		★	☆		★		☆	★			8.43	10.26	3.52	0.8
TPGX170408R-G-L	★	☆		☆	★		★	☆		★		☆	★			10.3	12.37	4.00	0.8
TPGX240512R-G-L	★	☆		☆	★		★	☆		★		☆	★			14.2	17.29	5.50	1.2
TPGX280716R-G-L	★	☆		☆	★		★	☆		★		☆	★			17.0	20.46	7.57	1.6

DEEP HOLE DRILLING

SHANK SYSTEM (805)



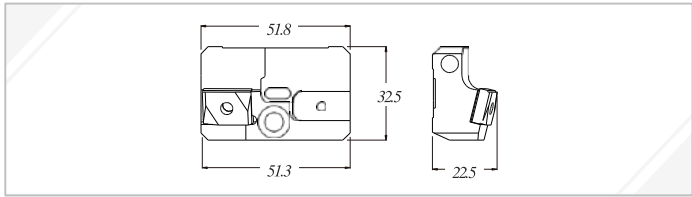
INSERT TYPE > IL JIN

Diameter range mm	Ordering Code	Dimensions mm				Peripheral	Center	Intermediate	Support Pad
D		d	L	I	II				
25.00~28.70	XHD-D**.*	-	-	-	-	LXET140405-DR			LNXT0618-R120
28.71~31.00	XHD-D**.*	-	-	-	-	LXET150505-DR			LNXT0618-R130
31.01~33.30	XHD-D**.*	-	-	-	-	LXET160605-DR			LNXT0720-R140
33.31~36.20	XHD-D**.*	-	-	-	-	LPET08T308P-G-L	LPMT06T308C-G-L	LPMT06T308I-G-L	LNXT0720-SUP
							LPMT08T308C-G-L	LPMT08T308I-G-L	
36.21~39.60	XHD-D**.*	-	-	-	-	LPET08T308P-G-L	LPMT08T308C-G-L	LPMT08T308I-G-L	LNXT0720-SUP
						LPET09T308P-G-L			
39.61~43.00	XHD-D**.*	-	-	-	-	LPET09T308P-G-L	LPMT08T308C-G-L	LPMT08T308I-G-L	LNXT0825-SUP
43.01~47.00	XHD-D**.*	-	-	-	-	LPET09T308P-G-L	LPMT10T308C-G-L	LPMT08T308I-G-L	LNXT0825-SUP
47.01~51.70	XHD-D**.*	-	-	-	-	LPET09T308P-G-L	LPMT12T308C-G-L	LPMT08T308I-G-L	LNXT1030-SUP
						LPET11T308P-G-L	LPMT10T308C-G-L		
51.71~56.20	XHD-D**.*	-	-	-	-	LPET11T308P-G-L	LPMT10T308C-G-L	LPMT08T308I-G-L	LNXT1030-SUP
								LPMT12T308I-G-L	LNXT1235-SUP
56.21~65.00	XHD-D**.*	-	-	-	-	LPET11T308P-G-L	LPMT10T308C-G-L	LPMT12T308I-G-L	LNXT1235-SUP
							LPMT12T308C-G-L		

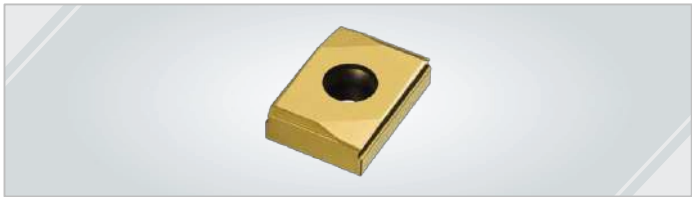
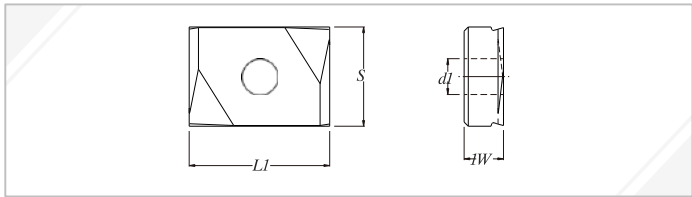
*(Custom Order)

SKIVING ROLLER BURNISHING TOOL

Skiving Cartridge



Skiving Insert

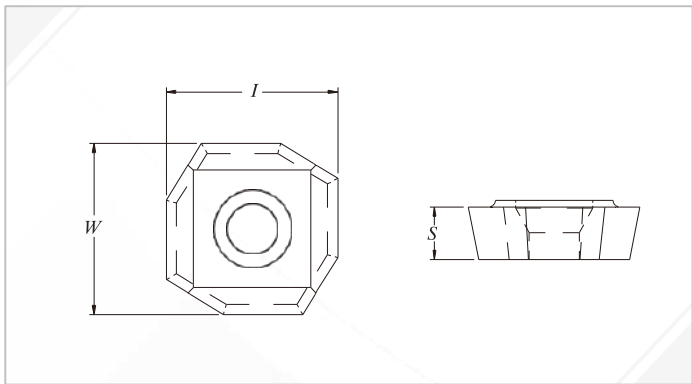


★ : first recommend grade ☆ : second recommend grade

INSERT > IL JIN

Insert size	P			M			K			N			S			L1	1W	d1	S
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3				
R420.37-06 02 00-01	★	☆		☆	★		★	☆		★			☆	★		10.0	2.38	3.10	
R420.37-07 08 00-01																12.0	3.96	3.70	
R420.37-11 12 00-01	★	☆		☆	★		★	☆		★			☆	★		17.0	4.76	4.30	

INSERT (424.31F)



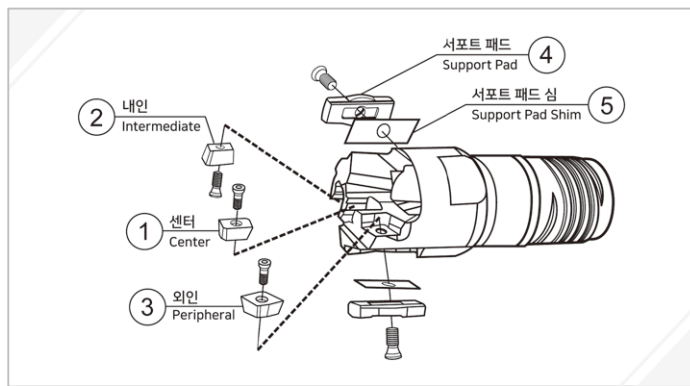
★ : first recommend grade ☆ : second recommend grade

INSERT > IL JIN

Insert size	P			M			K			N			S			I	W	S
	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3	HM3	IM3	PM3			
SPCT12T3ZPEL-LJ	★	☆		☆	★		★	☆			★		☆	★		12.7	12.7	3.9

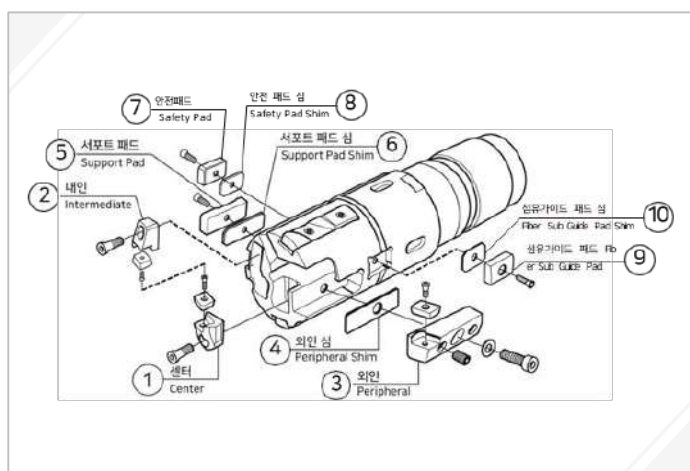
SPARE PARTS

800 Series Spare parts



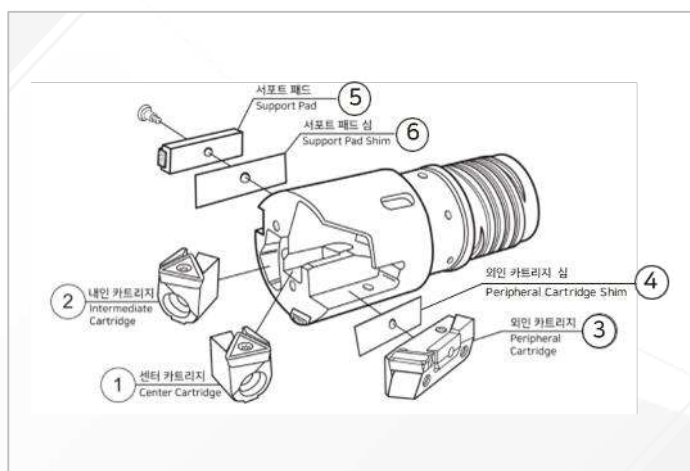
- ① Center
- ② Intermediate
- ③ Peripheral
- ④ Support Pad
- ⑤ Support Pad Shim

801 Series Spare parts



- ① Center Cartridge
- ② Intermediate Cartridge
- ③ Peripheral Cartridge
- ④ Peripheral Cartridge Shim
- ⑤ Support Pad
- ⑥ Support Pad Shim
- ⑦ Safety Pad
- ⑧ Safety Pad Shim
- ⑨ Fiber Sub Guide Pad
- ⑩ Fiber Sub Guide Pad Shim

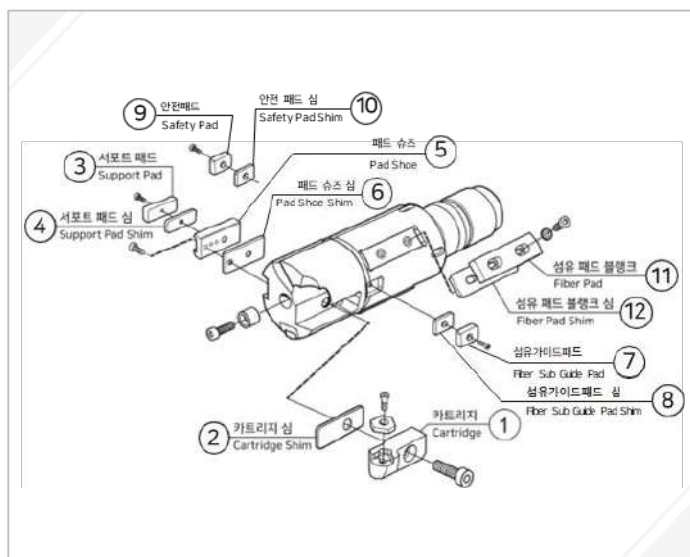
424.10 Series Spare Parts



- ① Center Cartridge
- ② Intermediate Cartridge
- ③ Peripheral Cartridge
- ④ Peripheral Cartridge Shim
- ⑤ Support Pad
- ⑥ Support Pad Shim

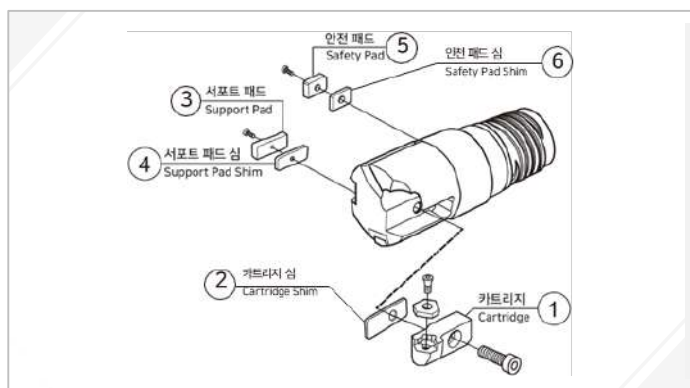
SPARE PARTS

818 Series Spare Parts



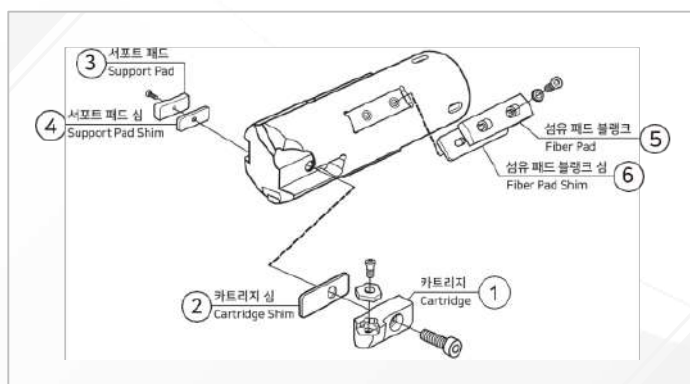
- ① Cartridge
- ② Cartridge Shim
- ③ Support Pad
- ④ Support Pad Shim
- ⑤ Pad Shoe
- ⑥ Pad Shoe Shim
- ⑦ Fiber Sub Guide Pad
- ⑧ Fiber Sub Guide Pad Shim
- ⑨ Safety Pad
- ⑩ Safety Pad Shim
- ⑪ Fiber Pad
- ⑫ Fiber Pad Shim

424.31 Series Spare Parts



- ① Cartridge
- ② Cartridge Shim
- ③ Support Pad
- ④ Support Pad Shim
- ⑤ Safety Pad
- ⑥ Safety Pad Shim

424.41 Series Spare Parts



- ① Cartridge
- ② Cartridge Shim
- ③ Support Pad
- ④ Support Pad Shim
- ⑤ Fiber Pad
- ⑥ Fiber Pad Shim

DEEP HOLE DRILLING

Cartridge Shim Set

Cartridge	Size (mm)	Product Code
CLP13T3P-K	0.05 (4pcs)	801-130420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
CLP1806P-K	0.05 (4pcs)	801-180420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	

Cartridge	Size (mm)	Product Code
CTX16-K	0.05 (4pcs)	CX-160420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
CTX25-K	0.05 (4pcs)	CX-250420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
CTX40-K	0.05 (4pcs)	CX-400420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	

Cartridge	Size (mm)	Product Code
CTP17-K-SP	0.05 (4pcs)	CX-160420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
CTP24-K-SP	0.05 (4pcs)	CX-250420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
CTP28-K-SP	0.05 (4pcs)	CX-400420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	

Cartridge	Size (mm)	Product Code
CLP13-K	0.05 (4pcs)	424-130420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
CLP18-K	0.05 (4pcs)	424-130420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	

Cartridge	Size (mm)	Product Code
CTP14-K	0.05 (4pcs)	CP-140420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
CTP17-K	0.05 (4pcs)	CP-170420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
CTP24-K	0.05 (4pcs)	CP-240420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
CTP28-K	0.05 (4pcs)	CP-280420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	

Blank fiber Pad Shim Set

(Blank fiber Pad)	Size (mm)	Product Code
5571 001-08	1.0 (3pcs)	00108-1
5571 001-09	1.0 (3pcs)	00109-1
5571 001-10	1.0 (3pcs)	00110-1
5571 001-11	1.0 (3pcs)	00111-1
5571 001-12	1.0 (3pcs)	00112-1
5571 001-13	1.0 (3pcs)	00113-1

DEEP HOLE DRILLING

Pad Shoe Shim Set

Pad Shoe	Size (mm)	Product Code
818-12-065-S	0.05 (4pcs)	818-12-650420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
818-16-110-S	0.05 (4pcs)	818-16-110420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
818-18-300-R	0.05 (4pcs)	818-18-300420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
818-26-500-R	0.05 (4pcs)	818-26-500420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	

Support Pad Shim Set

Support Pad	Size (mm)	Product Code
LNXT 0618-SUP	0.02 (4pcs)	800-060420
	0.03 (4pcs)	
	0.05 (4pcs)	
LNXT 0720-SUP	0.02 (4pcs)	800-070420
	0.03 (4pcs)	
	0.05 (4pcs)	
LNXT 0825-SUP	0.02 (4pcs)	800-080420
	0.03 (4pcs)	
	0.05 (4pcs)	
LNXT 1030-SUP	0.02 (4pcs)	800-100420
	0.03 (4pcs)	
	0.05 (4pcs)	
LNXT 1235-SUP	0.02 (4pcs)	800-120420
	0.03 (4pcs)	
	0.05 (4pcs)	
LNXT35DXXX-SUP	0.05 (4pcs)	0350420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
LNXT50DXXX-SUP	0.05 (4pcs)	0500420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	

Brazed Support Pad Shim Set

Support Pad	Size (mm)	Product Code
430.32-10DXX.XX	0.05 (4pcs)	0120420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
430.32-12DXX.XX	0.05 (4pcs)	0350420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
430.32-16DXX.XX	0.05 (4pcs)	0500420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	

Safety Pad Shim Set

Safety Pad	Size (mm)	Product Code
142030-S	0.05 (4pcs)	300420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
142067-S	0.05 (4pcs)	670420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
202582-S	0.05 (4pcs)	820420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	

Fiber Sub Guide Pad Shim Set

Fiber Sub Guide Pad	Size (mm)	Product Code
142067-F	0.05 (4pcs)	670420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	
202582-F	0.05 (4pcs)	820420
	0.1 (4pcs)	
	0.2 (4pcs)	
	0.3 (4pcs)	
	0.5 (4pcs)	

Deep Hole Drilling
Cutting data for STS & Ejector drill heads 800

ISO	Work piece materials	Cutting Speed Vc (m/min)	Feed, f_n (mm/r)		
			Drill diameter (mm)		
			Ø25.00- Ø30.00	Ø30.01- Ø45.00	Ø45.01- Ø65.00
P	Non-alloyed steel	60-120	0.10-0.30	0.10-0.35	0.12-0.45
	Low alloy steel	60-110	0.10-0.30	0.13-0.40	0.18-0.45
	High alloy steel	50-110	0.10-0.30	0.13-0.40	0.18-0.45
M	Rolled Forged	40-100	0.10-0.30	0.13-0.40	0.18-0.45
K	Gray iron Nodular	60-100	0.10-0.30	0.15-0.35	0.20-0.40
N	Aluminium alloy Copper alloy	60-140	0.07-0.30	0.13-0.30	0.20-0.35

Deep Hole Drilling
Cutting data for STS & Ejector drill heads 700

ISO	Work piece materials	Cutting Speed Vc (m/min)	Feed, f_n (mm/r)
			Drill diameter (mm)
			Ø25.00-Ø30.00
P	Non-alloyed steel	90-130	0.15-0.20
	Low alloy steel	70-120	0.10-0.25
	High alloy steel	60-120	0.10-0.25
M	Rolled Forged	70-120	0.06-0.10
K	Gray iron Nodular	70-110	0.10-0.20
N	Aluminium alloy Copper alloy	65-130	0.08-0.18

Deep Hole Drilling
Cutting data for adjustable drill head 801

ISO	Work piece materials	Cutting Speed Vc (m/min)	Feed, f_n (mm/r)
			Drill diameter (mm)
			≥ 65.00
P	Non-alloyed steel	70-100	0.16-0.33
	Low alloy steel	60-100	0.16-0.33
	High alloy steel	60-100	0.15-0.30
M	Rolled Forged	40-80	0.15-0.35
K	Gray iron Nodular	60-100	0.15-0.35
N	Aluminium alloy Copper alloy	60-120	0.10-0.30

Deep Hole Drilling
Cutting data for adjustable drill head T-max 424.10

ISO	Work piece materials	Cutting Speed Vc (m/min)	Feed, f_n (mm/r)
			Drill diameter (mm)
			≥ 63.50
P	Non-alloyed steel	70-100	0.16-0.33
	Low alloy steel	60-100	0.16-0.33
	High alloy steel	60-100	0.15-0.30
M	Rolled Forged	40-80	0.15-0.33
K	Gray iron Nodular	60-100	0.15-0.33
N	Aluminium alloy Copper alloy	60-120	0.08-0.30

Deep Hole Drilling
Cutting data for adjustable drill head 818

ISO	Work piece materials	Cutting Speed Vc (m/min)	Feed, f_n (mm/r)		
			Cutting depth(mm)		
			1-3	3-8	≥ 8
P	Non-alloyed steel	50-120	0.20-0.35	0.18-0.35	0.18-0.35
	Low alloy steel	60-100	0.20-0.35	0.18-0.35	0.18-0.35
	High alloy steel	60-100	0.20-0.30	0.18-0.30	0.18-0.30
M	Rolled Forged	40-100	0.20-0.35	0.15-0.35	0.15-0.35
K	Gray iron Nodular	60-100	0.20-0.35	0.15-0.35	0.15-0.35
N	Aluminium alloy Copper alloy	65-300	0.20-0.45	0.18-0.45	0.18-0.45

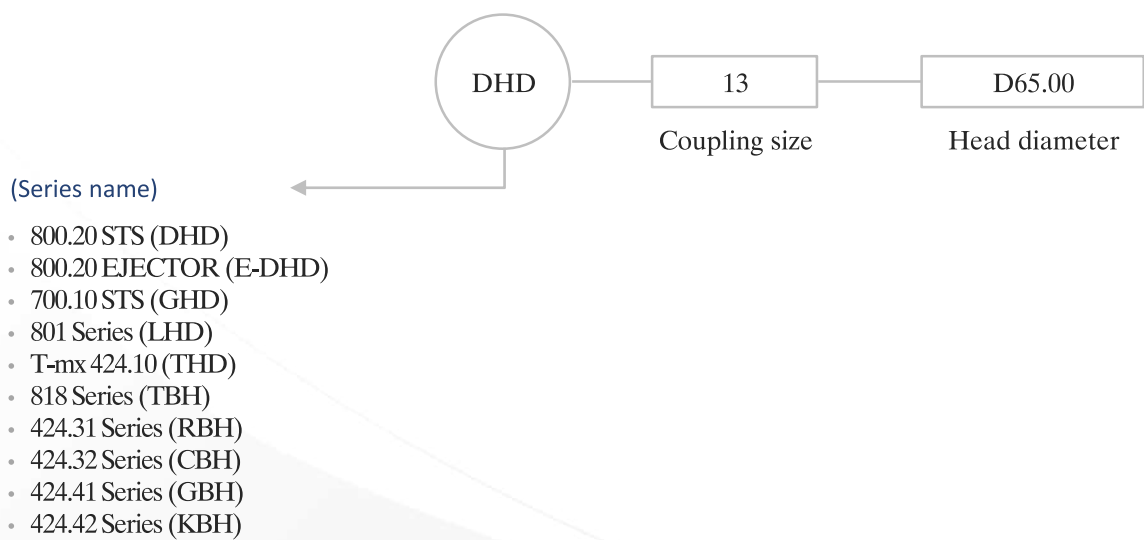
Deep Hole Drilling
Cutting data for adjustable drill head 424.31 & 424.32

ISO	Work piece materials	Cutting Speed Vc (m/min)	Feed, f_n (mm/r)		
			Cutting depth(mm)		
			1-3	3-8	≥8
P	Non-alloyed steel	60-120	0.15-0.40	0.20-0.40	0.18-0.40
	Low alloy steel	50-100	0.15-0.40	0.20-0.40	0.18-0.40
	High alloy steel	60-120	0.20-0.40	0.20-0.40	0.18-0.40
M	Rolled Forged	50-95	0.20-0.40	0.20-0.40	0.18-0.40
K	Gray iron Nodular	60-100	0.20-0.40	0.20-0.40	0.15-0.40
N	Aluminium alloy Copper alloy	65-300	0.20-0.40	0.20-0.40	0.20-0.40

DEEP HOLE DRILLING

Cutting condition formula (mm)		Cutting condition formula (inch)	
Spindle speed (r/min)	$n = \frac{v_c \times 1000}{\pi \times DC}$	Spindle speed (r/min)	$n = \frac{v_c \times 12}{\pi \times DC}$
Cutting speed (m/min)	$v_c = \frac{\pi \times DC \times n}{1000}$	Cutting speed (m/min)	$v_c = \frac{\pi \times DC \times n}{12}$
Feed per revolution (mm/rev)	$f_n = \frac{v_f}{n}$	Feed per revolution (mm/rev)	$f_n = \frac{v_f}{n}$
Table feed (mm/min)	$v_f = f_n \times n$	Table feed (mm/min)	$v_f = f_n \times n$

Product code settings



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