

KORLOY Indexable New Generation Economical Drill

KED DRILL



Economical and High Efficiency Indexable Drill

For Small Diameter Drilling

Excellent chip control for small diameters ($\varnothing 13\sim\varnothing 23.5$) due to optimized chip flute design

For Medium to Large Diameter Drilling

Smooth chip evacuation and improved surface finish due to wider chip pockets in medium to large diameter ($\varnothing 24\sim\varnothing 60$) drilling

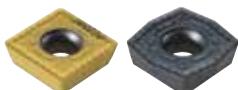


KED DRILL



KED DRILL

2D/3D/4D



Insert

Economical and High Efficiency Indexable Drill **KED DRILL**

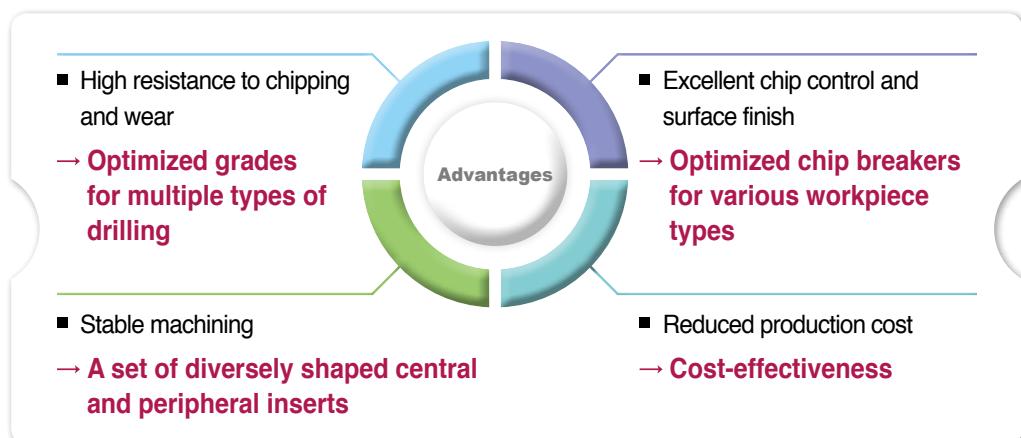
The **KED DRILL** is an economical drill which features optimized chip flutes for each drilling size.

The **KED DRILL holders** for small diameters ($\varnothing 13\sim\varnothing 23.5$) offer excellent chip control due to cutting fluid and chip flute design. And for medium to large diameters ($\varnothing 24\sim\varnothing 60$), chip pockets were widened to enhance machining stability and surface finish even in deep drilling.

A set of diversely shaped central and peripheral inserts optimize centering and balance. Improved stability enables boring deep holes up to a range of between two to four times the drill diameter (2D~4D).

The **KED DRILL inserts** have three kinds of chip breakers to suit a range of applications : PC for general purpose, LD for mild steel and hard-to-cut materials, and ND for aluminum machining. The optimized grades for the central and peripheral inserts maximize cutting tool life.

Thus, higher stability and excellent cutting result boosts productivity and reduces tool cost.



☞ Code System

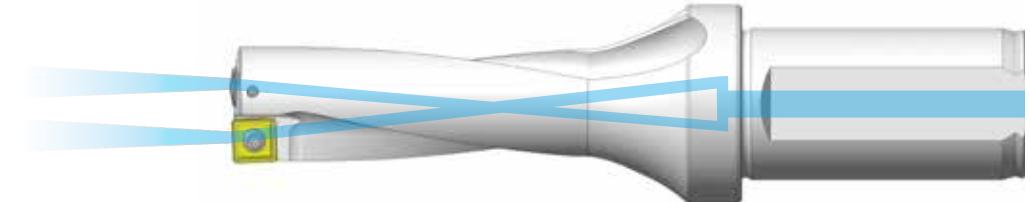
[Holder]

E	4D	-	200	-	25	-	07
KING, Economical	Aspect ratio(L/D) 2D, 3D, 4D		Drill diameter $\varnothing 20.0$		Shank diameter $\varnothing 20, \varnothing 25$ $\varnothing 32, \varnothing 40$		Inscribed circle of insert 04, 05, 06, 07, 09, 11, 13, 15, 18

→ Holder Features

- For small diameters ($\varnothing 13 \sim \varnothing 23.5$) excellent chip control due to the cutting fluid system and chip flute
- For medium to large diameters ($\varnothing 24 \sim \varnothing 60$) excellent surface finish due to widened chip pockets even in deep drilling

Optimized flute system - 2 coolant holes applied



A set of diversely shaped central and peripheral chip breakers for excellent chip control and surface finish

Central insert



Peripheral insert



→ Insert Features

■ Optimized design of inserts for maximum drilling efficiency

- Excellent cutting performance and chip control due to the optimized geometry and chip breaker of both inserts : central and peripheral
- A set of differently shaped central and peripheral inserts optimize the insert locations in order to maximize cutting tool life

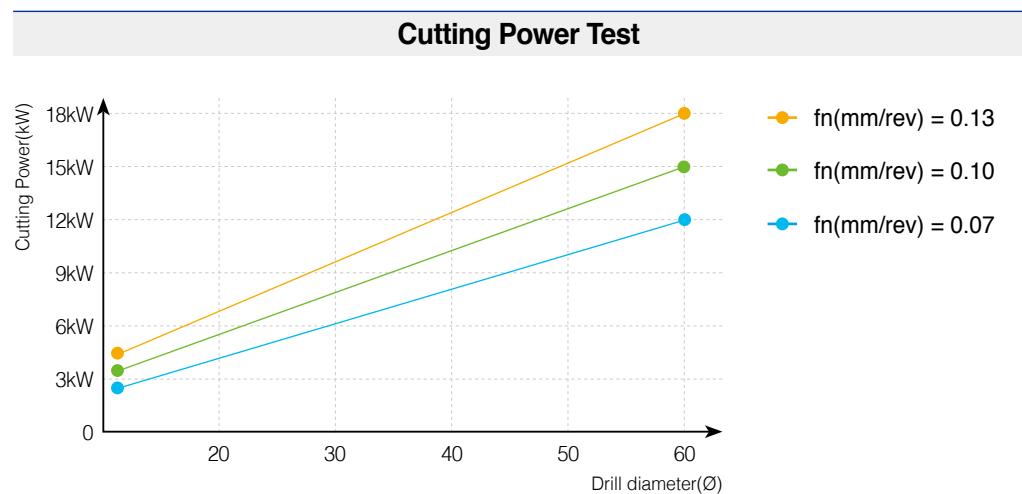
Chip breaker	PD		LD		ND	
Features	<ul style="list-style-type: none"> - Universal - Medium feed and speed 		<ul style="list-style-type: none"> - Superior chip control for machining mild steel and stainless steel - Light cutting (at low ~ medium speed and low feed) 		<ul style="list-style-type: none"> - Sharp cutting edge for aluminum machining - Insert surface buffed for high quality result 	
Insert	Peripheral insert	Central insert	Peripheral insert	Central insert	Peripheral insert	Central insert
Shape						
Grades for workpiece	<ul style="list-style-type: none"> · NC5330 : P, M, K · PC3500 : P · PC5300 : P, M, K, S · PC6510 : K 	<ul style="list-style-type: none"> · PC5300 : P, M, K, S 	<ul style="list-style-type: none"> · PC5335 : P, M 	<ul style="list-style-type: none"> · PC5335 : P, M 	<ul style="list-style-type: none"> · H01 : N 	<ul style="list-style-type: none"> · H01 : N

→ KED Hole Tolerance

Diameter(mm)	2D	3D	4D
Ø13 ~ Ø23.5	-0.10 ~ ±0.15	-0.10 ~ +0.18	-0.12 ~ ±0.20
Ø30 ~ Ø42	-0.10 ~ ±0.15	-0.12 ~ +0.22	-0.12 ~ ±0.25
Ø43 ~ Ø60	-0.10 ~ ±0.20	-0.12 ~ +0.25	-0.15 ~ ±0.27

- The KED drill diameter itself shows (-) tolerance, and the actual hole tolerance follows this table
- The hole tolerance is determined by drill length, workpiece materials, machine stability and cutting conditions

→ Cutting Power



- The KED DRILL provides the best tool life

[KED DRILL]

280 holes (28.8m)
→ Normal wear

[Competitor A]

230 holes (20.7m)
→ Fractures at the cutting edge

[Competitor B]

140 holes (12.6m)
→ Wear and chipping on cutting edge

→ Cutting Performance

- Workpiece SCM440
- Cutting conditions $vc(m/min) = 150$, $fn(mm/rev) = 0.1$, Depth of cut : 80mm(through hole), wet
- Tools Insert SPMT060205-PD (PC3500), XCMT060204-PD (PC5300)
Holder E4D-18025-06

Tool Life Comparison



Recommended Cutting Conditions

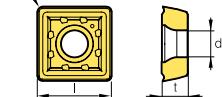
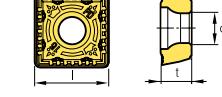
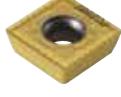
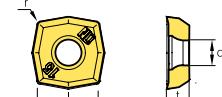
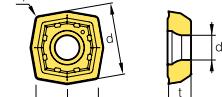
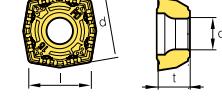
Workpiece										Insert					vc (m/min)	Feed(aspect ratio=2D, 3D, 4D) fn(mm/rev) depending on drill Dia.				
ISO	Workpiece		Hardness(HB)	Chip Breaker	Grade															
					Central	Peripheral	Ø12~Ø16	Ø17~Ø23	Ø24~Ø29	Ø30~Ø42	Ø43~Ø60									
P	Carbon steel	Low carbon steel	80~180	LD	PC5335	PC5335	120(60~170)													
				PD	PC5300	PC3500	150(120~180)	0.04~0.08	0.04~0.08	0.04~0.08	0.04~0.08	0.04~0.08								
						NC5330	180(140~220)													
		High carbon steel	180~280	PD	PC5300	PC3500	120(90~150)	0.04~0.10	0.04~0.12	0.05~0.16	0.06~0.16	0.06~0.18								
						NC5330	150(110~190)	0.04~0.06	0.04~0.07	0.04~0.08	0.04~0.08	0.04~0.08								
	Alloy steel	Low alloy steel	140~260	LD	PC5335	PC5335	120(60~160)	0.06~0.10	0.06~0.10	0.06~0.12	0.06~0.14	0.06~0.14								
				PD	PC5300	PC3500	150(120~170)	0.06~0.12	0.06~0.12	0.06~0.14	0.06~0.16	0.06~0.16								
						NC5330	180(140~210)	0.06~0.08	0.06~0.08	0.06~0.10	0.06~0.12	0.06~0.12								
		Heat treated low alloy steel	200~400	PD	PC5300	PC5300	100(50~150)	0.04~0.10	0.06~0.10	0.06~0.12	0.06~0.14	0.06~0.14								
		High alloy steel	260~320	PD	PC5300	PC3500	100(50~160)	0.05~0.11	0.05~0.11	0.05~0.13	0.05~0.15	0.05~0.15								
		Heat treated high alloy steel	300~450	PD	PC5300	PC5300	70(30~120)	0.04~0.08	0.06~0.08	0.06~0.10	0.06~0.12	0.06~0.12								
M	Stainless steel	Stainless steel	135~275	LD	PD5335	PC5335	120(80~140)	0.04~0.07	0.04~0.07	0.04~0.07	0.04~0.08	0.04~0.08								
				PD	PC5300	PC5300	130(100~160)	0.04~0.07	0.04~0.07	0.04~0.07	0.04~0.08	0.04~0.08								
K	Cast iron	Gray cast iron	150~230	PD	PC5300	PC6510	190(150~250)	0.04~0.12	0.05~0.14	0.06~0.18	0.10~0.22	0.10~0.26								
		Ductile cast iron	150~230	PD	PC5300	PC6510	130(100~160)	0.04~0.07	0.04~0.08	0.04~0.10	0.05~0.12	0.05~0.12								
S	Heat resistant super alloy	Ni-heat resisting alloy	130~400	PD	PC5300	PC5300	50(30~100)	0.04~0.10	0.04~0.10	0.04~0.10	0.04~0.10	0.04~0.10								
		Ti-heat resisting alloy	130~400	LD	PC5335	PC5335	60(40~80)	0.04~0.08	0.04~0.10	0.06~0.12	0.06~0.14	0.06~0.16								
		Ti-heat resisting alloy	130~400	PD	PC5300	PC5300	60(40~80)	0.04~0.08	0.04~0.10	0.06~0.12	0.06~0.14	0.06~0.16								
		High hardened steel	Over 400	PD	PC5300	PC5300	40(20~80)	0.04~0.05	0.04~0.06	0.04~0.08	0.04~0.08	0.04~0.08								
N	Non ferrous metal	Alloyed aluminum	30~150	ND	H01	H01	300(250~400)	0.05~0.14	0.06~0.16	0.10~0.20	0.10~0.22	0.12~0.25								
		Alloyed copper	150~160	ND	H01	H01	250(200~300)	0.05~0.14	0.06~0.16	0.10~0.20	0.10~0.22	0.12~0.25								

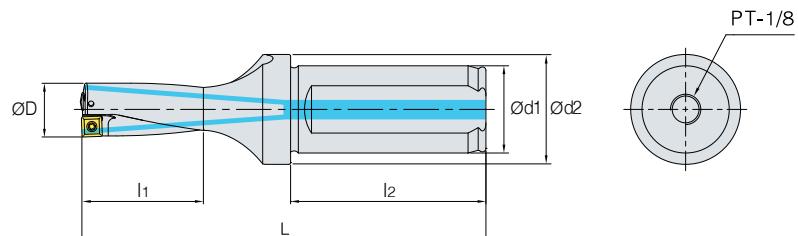
* In interrupted machining, reduce the above values of feed by 30 to 50%

KED DRILL

Inserts

(mm)

Picture	Designation		Grade	Drill diameter	<i>l</i>	<i>d</i>	<i>t</i>	<i>r</i>	<i>d</i> ₁	Figure
	SPET	040204-ND	H01	Ø12.0 ~ Ø13.5	4.7	-	2.4	0.4	2.3	
		050204-ND		Ø13.6 ~ Ø16.0	5.1	-	2.4	0.4	2.3	
		060205-ND		Ø16.1 ~ Ø19.5	6.2	-	2.5	0.5	2.5	
		07T208-ND		Ø19.6 ~ Ø23.5	7.5	-	2.8	0.7	2.8	
		090308-ND		Ø23.6 ~ Ø29.5	9.2	-	3.3	0.8	3.4	
		11T308-ND		Ø29.6 ~ Ø35.5	11.0	-	4.0	0.8	4.0	
		130410-ND		Ø35.6 ~ Ø42.5	13.0	-	4.5	1.0	4.5	
		15M510-ND		Ø42.6 ~ Ø50.5	15.2	-	5.0	1.0	5.5	
		180510-ND		Ø50.6 ~ Ø60.5	18.2	-	5.5	1.0	6.0	
		060205-LD		Ø16.1 ~ Ø19.5	6.2	-	2.5	0.5	2.5	
	SPMT	07T208-LD	PC5335	Ø19.6 ~ Ø23.5	7.5	-	2.8	0.7	2.8	
		090308-LD		Ø23.6 ~ Ø29.5	9.2	-	3.3	0.8	3.4	
		11T308-LD		Ø29.6 ~ Ø35.5	11.0	-	4.0	0.8	4.0	
		130410-LD		Ø35.6 ~ Ø42.5	13.0	-	4.5	1.0	4.5	
		15M510-LD		Ø42.6 ~ Ø50.5	15.2	-	5.0	1.0	5.5	
		180510-LD		Ø50.6 ~ Ø60.5	18.2	-	5.5	1.0	6.0	
		040204-PD	NC5330 PC5300 PC3500 PC6510	Ø12.0 ~ Ø13.5	4.7	-	2.4	0.4	2.3	
		050204-PD		Ø13.6 ~ Ø16.0	5.1	-	2.4	0.4	2.3	
		060205-PD		Ø16.1 ~ Ø19.5	6.2	-	2.5	0.5	2.5	
		07T208-PD		Ø19.6 ~ Ø23.5	7.5	-	2.8	0.7	2.8	
		090308-PD		Ø23.6 ~ Ø29.5	9.2	-	3.3	0.8	3.4	
		11T308-PD		Ø29.6 ~ Ø35.5	11.0	-	4.0	0.8	4.0	
		130410-PD		Ø35.6 ~ Ø42.5	13.0	-	4.5	1.0	4.5	
		15M510-PD		Ø42.6 ~ Ø50.5	15.2	-	5.0	1.0	5.5	
		180510-PD		Ø50.6 ~ Ø60.5	18.2	-	5.5	1.0	6.0	
	XOET	040204-ND	H01	Ø12.0 ~ Ø13.5	4.3	4.9	2.4	0.4	2.3	
		050204-ND		Ø13.6 ~ Ø16.0	4.8	5.4	2.4	0.4	2.3	
		060204-ND		Ø16.1 ~ Ø19.5	5.8	6.6	2.5	0.4	2.5	
		07T205-ND		Ø19.6 ~ Ø23.5	6.9	7.8	2.8	0.5	2.8	
		090305-ND		Ø23.6 ~ Ø29.5	8.4	9.6	3.3	0.5	3.4	
		11T306-ND		Ø29.6 ~ Ø35.5	10.0	11.4	4.0	0.6	4.0	
		130406-ND		Ø35.6 ~ Ø42.5	11.9	13.6	4.5	0.6	4.5	
		15M508-ND		Ø42.6 ~ Ø50.5	13.9	15.9	5.0	0.8	5.5	
		180508-ND		Ø50.6 ~ Ø60.5	16.5	18.9	5.5	0.8	6.0	
		060204-LD	PC5335	Ø16.1 ~ Ø19.5	5.8	6.6	2.5	0.4	2.5	
		07T205-LD		Ø19.6 ~ Ø23.5	6.9	7.8	2.8	0.5	2.8	
		090305-LD		Ø23.6 ~ Ø29.5	8.4	9.6	3.3	0.5	3.4	
		11T306-LD		Ø29.6 ~ Ø35.5	10.0	11.4	4.0	0.6	4.0	
		130406-LD		Ø35.6 ~ Ø42.5	11.9	13.6	4.5	0.6	4.5	
		15M508-LD		Ø42.6 ~ Ø50.5	13.9	15.9	5.0	0.8	5.5	
		180508-LD		Ø50.6 ~ Ø60.5	16.5	18.9	5.5	0.8	6.0	
		040204-PD	PC5300	Ø12.0 ~ Ø13.5	4.3	4.9	2.4	0.4	2.3	
		050204-PD		Ø13.6 ~ Ø16.0	4.8	5.4	2.4	0.4	2.3	
		060204-PD		Ø16.1 ~ Ø19.5	5.8	6.6	2.5	0.4	2.5	
		07T205-PD		Ø19.6 ~ Ø23.5	6.9	7.8	2.8	0.5	2.8	
		090305-PD		Ø23.6 ~ Ø29.5	8.4	9.6	3.3	0.5	3.4	
		11T306-PD		Ø29.6 ~ Ø35.5	10.0	11.4	4.0	0.6	4.0	
		130406-PD		Ø35.6 ~ Ø42.5	11.9	13.6	4.5	0.6	4.5	
		15M508-PD		Ø42.6 ~ Ø50.5	13.9	15.9	5.0	0.8	5.5	
		180508-PD		Ø50.6 ~ Ø60.5	16.5	18.9	5.5	0.8	6.0	

 KED DRILL-2D


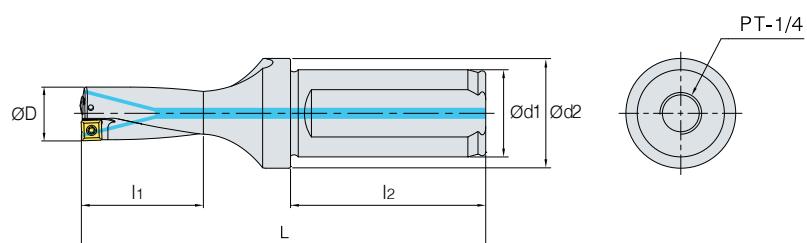
(mm)

Designation		ØD	Ød1	Ød2	l1	l2	L	Insert	Screw	Wrench		
E2D-	13020-04	13.0	20	27	29	50	99	XO□T040204-□□				
	13520-04	13.5	20	27	30	50	100	SP□T040204-□□				
	14020-05	14.0	20	27	31	50	101					
	14520-05	14.5	20	27	32	50	102					
	15020-05	15.0	20	30	33	50	103					
	15520-05	15.5	20	30	34	50	104					
	16020-05	16.0	20	30	35	50	105					
	16525-06	16.5	25	34	36	56	117					
	17025-06	17.0	25	34	37	56	118					
	17525-06	17.5	25	34	38	56	119					
	18025-06	18.0	25	34	39	56	120					
	18525-06	18.5	25	34	40	56	121					
	19025-06	19.0	25	34	41	56	122					
	19525-06	19.5	25	34	42	56	123					
	20025-07	20.0	25	34	43	56	124					
	20525-07	20.5	25	34	44	56	125					
	21025-07	21.0	25	34	45	56	126					
	21525-07	21.5	25	34	46	56	127					
	22025-07	22.0	25	34	47	56	128					
	22525-07	22.5	25	34	48	56	129					
	23025-07	23.0	25	34	49	56	130					
	23525-07	23.5	25	34	50	56	131					
	24032-09	24.0	32	42	51	60	141					
	24532-09	24.5	32	42	52	60	142					
	25032-09	25.0	32	42	53	60	143					
	25532-09	25.5	32	42	54	60	144					
	26032-09	26.0	32	42	55	60	145					
	26532-09	26.5	32	42	56	60	146					
	27032-09	27.0	32	42	57	60	147					
	27532-09	27.5	32	42	58	60	148					
	28032-09	28.0	32	42	59	60	149					
	28532-09	28.5	32	42	60	60	150					
	29032-09	29.0	32	42	61	60	151					
	29532-09	29.5	32	44	62	60	152					

※ KED inserts are interchangeable with KING DRILL inserts, but some parts such as screws and wrenches are exclusive to the KED line-up.

KED DRILL

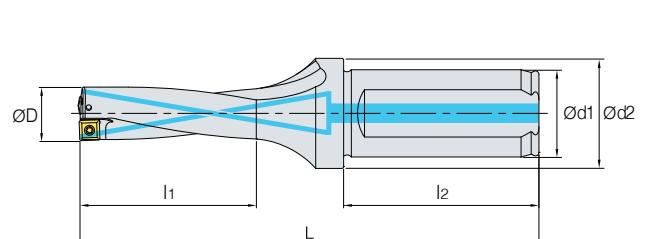
KED DRILL-2D



(mm)

Designation		ØD	Ød ₁	Ød ₂	l ₁	l ₂	L	Insert	Screw	Wrench
E2D-	30032-11	30.0	32	44	65	60	155	XO□T11T306-□□ SP□T11T308-□□	FTKA03508-E	TW15P
	31032-11	31.0	32	44	67	60	157			
	32032-11	32.0	32	44	69	60	159			
	33032-11	33.0	32	44	71	60	161			
	34032-11	34.0	32	44	73	60	163			
	35032-11	35.0	32	44	75	60	165			
	36040-13	36.0	40	54	77	70	182			
	37040-13	37.0	40	54	79	70	184			
	38040-13	38.0	40	54	81	70	186			
	39040-13	39.0	40	54	83	70	188			
	40040-13	40.0	40	54	85	70	190			
	41040-13	41.0	40	54	87	70	192			
	42040-13	42.0	40	54	89	70	194			
	43040-15	43.0	40	54	91	70	196			
	44040-15	44.0	40	58	93	70	198			
	45040-15	45.0	40	58	95	70	200			
	46040-15	46.0	40	58	97	70	202			
	47040-15	47.0	40	58	99	70	204			
	48040-15	48.0	40	58	101	70	206			
	49040-15	49.0	40	58	103	70	208			
	50040-15	50.0	40	58	105	70	210			
	51040-18	51.0	40	58	107	70	212	XO□T15M508-□□ SP□T15M510-□□	FTNA0511-E	TW20-100
	52040-18	52.0	40	58	109	70	214			
	53040-18	53.0	40	58	111	70	216			
	54040-18	54.0	40	58	113	70	218			
	55040-18	55.0	40	64	115	70	220			
	56040-18	56.0	40	64	117	70	222			
	57040-18	57.0	40	64	119	70	224			
	58040-18	58.0	40	64	121	70	226			
	59040-18	59.0	40	64	123	70	228			
	60040-18	60.0	40	64	125	70	230			

※ KED inserts are interchangeable with KING DRILL inserts, but some parts such as screws and wrenches are exclusive to the KED line-up.

 KED DRILL-3D


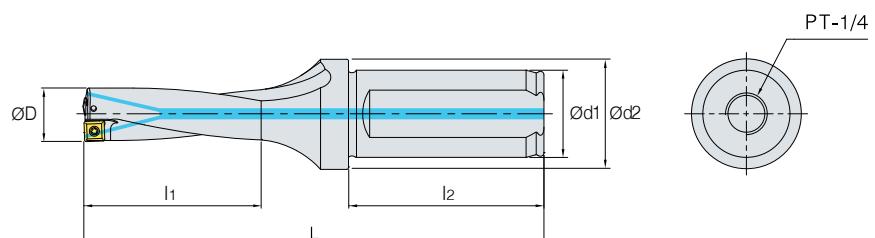
(mm)

Designation		ØD	Ød1	Ød2	l1	l2	L	Insert	Screw	Wrench
E3D-	13020-04	13.0	20	27	42	50	112	XO□T040204-□□ SP□T040204-□□	FTNA0204	TW06P
	13520-04	13.5	20	27	44	50	114			
	14020-05	14.0	20	27	45	50	115			
	14520-05	14.5	20	27	47	50	117			
	15020-05	15.0	20	30	48	50	118			
	15520-05	15.5	20	30	50	50	120			
	16020-05	16.0	20	30	51	50	121			
	16525-06	16.5	25	34	53	56	134			
	17025-06	17.0	25	34	54	56	135			
	17525-06	17.5	25	34	56	56	137			
	18025-06	18.0	25	34	57	56	138	XO□T060204-□□ SP□T060205-□□		
	18525-06	18.5	25	34	59	56	140			
	19025-06	19.0	25	34	60	56	141			
	19525-06	19.5	25	34	62	56	143			
	20025-07	20.0	25	34	63	56	144			
	20525-07	20.5	25	34	65	56	146			
	21025-07	21.0	25	34	66	56	147			
	21525-07	21.5	25	34	68	56	149			
	22025-07	22.0	25	34	69	56	150			
	22525-07	22.5	25	34	71	56	152			
	23025-07	23.0	25	34	72	56	153			
	23525-07	23.5	25	34	74	56	155			
	24032-09	24.0	32	42	75	60	165			
	24532-09	24.5	32	42	77	60	167			
	25032-09	25.0	32	42	78	60	168			
	25532-09	25.5	32	42	80	60	170			
	26032-09	26.0	32	42	81	60	171			
	26532-09	26.5	32	42	83	60	173			
	27032-09	27.0	32	42	84	60	174			
	27532-09	27.5	32	42	86	60	176			
	28032-09	28.0	32	42	87	60	177			
	28532-09	28.5	32	42	89	60	179			
	29032-09	29.0	32	42	90	60	180			
	29532-09	29.5	32	44	92	60	182			

※ KED inserts are interchangeable with KING DRILL inserts, but some parts such as screws and wrenches are exclusive to the KED line-up.

KED DRILL

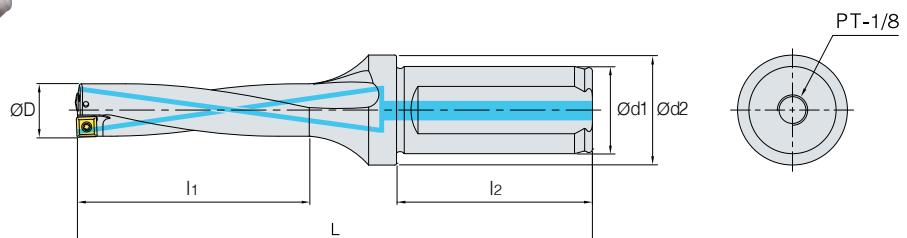
KED DRILL-3D



(mm)

Designation		ØD	Ød1	Ød2	l1	l2	L	Insert	Screw	Wrench
E3D-	30032-11	30.0	32	44	95	60	185	XO□T11T306-□□ SP□T11T308-□□	FTKA03508-E	TW15P
	31032-11	31.0	32	44	98	60	188			
	32032-11	32.0	32	44	101	60	191			
	33032-11	33.0	32	44	104	60	194			
	34032-11	34.0	32	44	107	60	197			
	35032-11	35.0	32	44	110	60	200			
	36040-13	36.0	40	54	113	70	218			
	37040-13	37.0	40	54	116	70	221			
	38040-13	38.0	40	54	119	70	224			
	39040-13	39.0	40	54	122	70	227			
	40040-13	40.0	40	54	125	70	230			
	41040-13	41.0	40	54	128	70	233			
	42040-13	42.0	40	54	131	70	236			
	43040-15	43.0	40	54	134	70	239			
	44040-15	44.0	40	58	137	70	242			
	45040-15	45.0	40	58	140	70	245			
	46040-15	46.0	40	58	143	70	248			
	47040-15	47.0	40	58	146	70	251			
	48040-15	48.0	40	58	149	70	254			
	49040-15	49.0	40	58	152	70	257			
	50040-15	50.0	40	58	155	70	260			
	51040-18	51.0	40	58	158	70	263	XO□T15M508-□□ SP□T15M510-□□	FTNA0511-E	TW20-100
	52040-18	52.0	40	58	161	70	266			
	53040-18	53.0	40	58	164	70	269			
	54040-18	54.0	40	58	167	70	272			
	55040-18	55.0	40	64	170	70	275			
	56040-18	56.0	40	64	173	70	278			
	57040-18	57.0	40	64	176	70	281			
	58040-18	58.0	40	64	179	70	284			
	59040-18	59.0	40	64	182	70	287			
	60040-18	60.0	40	64	185	70	290			

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 KED DRILL-4D


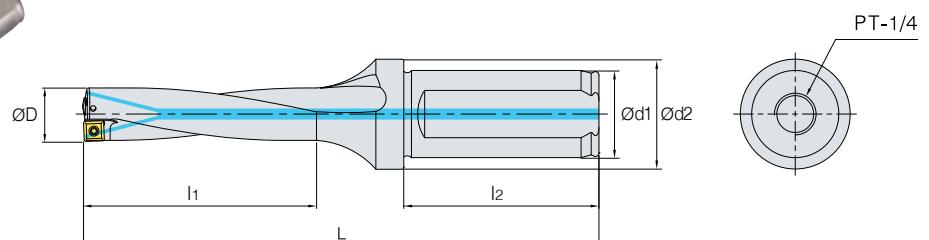
(mm)

Designation	ØD	Ød1	Ød2	l1	l2	L	Insert	Screw	Wrench
E4D-	13020-04	13.0	20	27	55	50	125	XO□T040204-□□	FTNA0204
	13520-04	13.5	20	27	57	50	127	SP□T040204-□□	
	14020-05	14.0	20	27	59	50	129		
	14520-05	14.5	20	27	61	50	131		
	15020-05	15.0	20	30	63	50	133		
	15520-05	15.5	20	30	65	50	135		
	16020-05	16.0	20	30	67	50	137		
	16525-06	16.5	25	34	69	56	150		
	17025-06	17.0	25	34	71	56	152		
	17525-06	17.5	25	34	73	56	154		
	18025-06	18.0	25	34	75	56	156	XO□T060204-□□	TW06P
	18525-06	18.5	25	34	77	56	158	SP□T060205-□□	
	19025-06	19.0	25	34	79	56	160		
	19525-06	19.5	25	34	81	56	162		
	20025-07	20.0	25	34	83	56	164		
	20525-07	20.5	25	34	85	56	166		
	21025-07	21.0	25	34	87	56	168		
	21525-07	21.5	25	34	89	56	170	XO□T7T205-□□	FTKA02565-E
	22025-07	22.0	25	34	91	56	172	SP□T07T208-□□	
	22525-07	22.5	25	34	93	56	174		
	23025-07	23.0	25	34	95	56	176		
	23525-07	23.5	25	34	97	56	178		
	24032-09	24.0	32	42	99	60	189		
	24532-09	24.5	32	42	101	60	191		
	25032-09	25.0	32	42	103	60	193		
	25532-09	25.5	32	42	105	60	195		
	26032-09	26.0	32	42	107	60	197		
	26532-09	26.5	32	42	109	60	199	XO□T090305-□□	TW08P
	27032-09	27.0	32	42	111	60	201	SP□T090308-□□	
	27532-09	27.5	32	42	113	60	203		
	28032-09	28.0	32	42	115	60	205		
	28532-09	28.5	32	42	117	60	207		
	29032-09	29.0	32	42	119	60	209		
	29532-09	29.5	32	44	121	60	211		

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KED DRILL

KED DRILL-4D



(mm)

Designation	ØD	Ød1	Ød2	l1	l2	L	Insert	Screw	Wrench
E4D-	30032-11	30.0	32	44	125	60	215	XO□T11T306-□□ SP□T11T308-□□	FTKA03508-E
	31032-11	31.0	32	44	129	60	219		
	32032-11	32.0	32	44	133	60	223		
	33032-11	33.0	32	44	137	60	227		
	34032-11	34.0	32	44	141	60	231		
	35032-11	35.0	32	44	145	60	235		
	36040-13	36.0	40	54	149	70	254		TW15P
	37040-13	37.0	40	54	153	70	258		
	38040-13	38.0	40	54	157	70	262		
	39040-13	39.0	40	54	161	70	266		
	40040-13	40.0	40	54	165	70	270		
	41040-13	41.0	40	54	169	70	274		
	42040-13	42.0	40	54	173	70	278		
	43040-15	43.0	40	54	177	70	282		
	44040-15	44.0	40	58	181	70	286		
	45040-15	45.0	40	58	185	70	290		
E4D-	46040-15	46.0	40	58	189	70	294	XO□T15M508-□□ SP□T15M510-□□	FTNA0511-E
	47040-15	47.0	40	58	193	70	298		
	48040-15	48.0	40	58	197	70	302		
	49040-15	49.0	40	58	201	70	306		
	50040-15	50.0	40	58	205	70	310		
	51040-18	51.0	40	58	209	70	314		
	52040-18	52.0	40	58	213	70	318		
	53040-18	53.0	40	58	217	70	322		
	54040-18	54.0	40	58	221	70	326		
	55040-18	55.0	40	64	225	70	330		
	56040-18	56.0	40	64	229	70	334		
	57040-18	57.0	40	64	233	70	338		
	58040-18	58.0	40	64	237	70	342		
	59040-18	59.0	40	64	241	70	346		
	60040-18	60.0	40	64	245	70	350		

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