

KORLOY Indexable New Generation Economical Drill

KED Plus Drill



- Economical drill with good chip control due to optimal chip flute enlarging the space for chip flow
- Stable machining due to optimal shape and cutting edge arrangement of central and peripheral inserts

Economical and High Efficiency Indexable Drill

KED Plus Drill

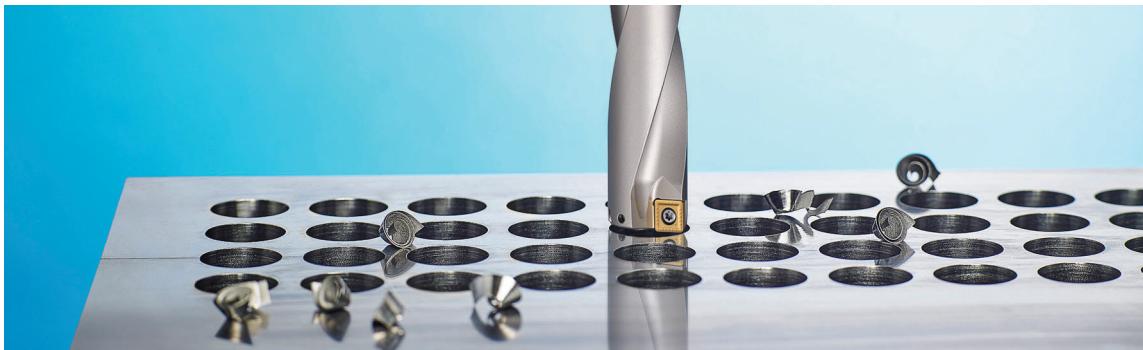
KED Plus Drill is an economical drill which features optimized chip flutes for each drilling size.

KED Plus Drill holders for small diameters ($\varnothing 12\text{--}\varnothing 23.5$) offer excellent chip control due to cutting fluid system and chip flute design. And for medium to large diameters ($\varnothing 24\text{--}\varnothing 60.5$), 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 2 to 5 times the drill diameter (2D-5D).

KED Plus Drill inserts have three kinds of chip breakers to suit a range of applications: PD 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 results in boost of productivity and reduces tool cost.



Reduced production cost

- Economical drill with good cutting performance

Stable machining

- A set of diversely shaped central and peripheral inserts

Excellent chip control and surface finish

- Optimized chip breakers for various workpiece types

High resistance to chipping and wear

- Various grades for different kinds of workpiece

Code system

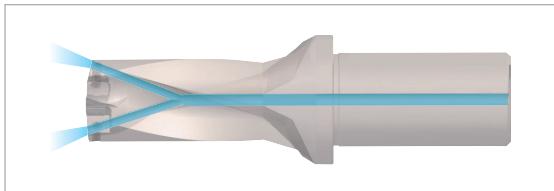
【Holder】

E	4D	-	200	25	-	07	-	P
KING, Economical	Aspect ratio (L/D) 2D, 3D, 4D, 5D		Drill dia. 200: Ø20.0 (One decimal place marked)	Shank dia. Ø20, Ø25 Ø32, Ø40	Inscribed circle of insert 04, 05, 06, 07, 09, 11, 13, 15, 18			Plus

Holder features

- Excellent chip control for suitable cutting range with small diameters (Ø12–Ø23.5) due to the cutting fluid system and chip flute
- Excellent surface finish for suitable cutting range with medium to large diameters (Ø24–Ø60.5) due to widened chip pockets even in deep drilling
- Increased the rigidity of drill body and improved chip evacuation due to optimized shape of flute

Optimized flute system - 2 coolant holes applied



Peripheral insert



Central insert

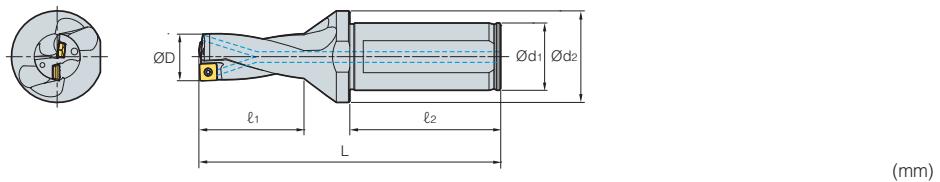


Insert features

- 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 optimizing the insert locations in order to maximize cutting tool life

Chip breaker	PD		LD		ND		RD
Features	<ul style="list-style-type: none"> - Universal - At medium speed and medium feed 		<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 - E class tolerance 		<ul style="list-style-type: none"> - Improved chipping resistance - Excellent performance in case of frequent fracture and chipping on the cutting edge
Insert	Peripheral insert	Central insert	Peripheral insert	Central insert	Peripheral insert	Central insert	Central insert
Shape							
Grades for workpiece	NC5330: P, M, K PC3700: P PC5300: P, M, K, S PC6510: K		PC5300: P, M, K, S PC5335: P, M		H01: N		PC5300: P, M, K, S

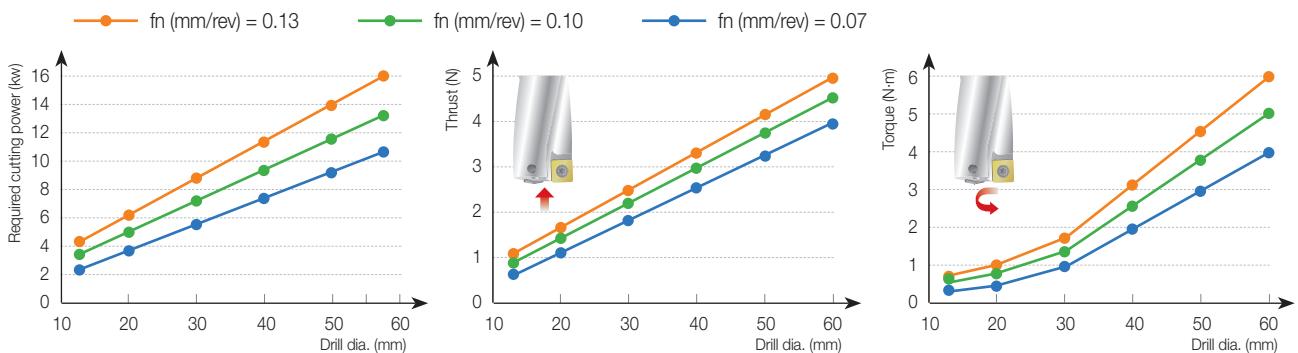
Drill tolerance and hole tolerance



Drill diameter		Ø12-Ø29	Ø30-Ø45	Ø46-Ø60.5
2D-3D	Drill tolerance (ØD)	-0.15 ~ 0	-0.15 ~ 0	-0.15 ~ 0
	Hole tolerance	-0.1 ~ +0.2	-0.1 ~ +0.25	-0.1 ~ +0.28
4D-5D	Drill tolerance (ØD)	-0.15 ~ 0	-0.15 ~ 0	-0.15 ~ 0
	Hole tolerance	-0.05 ~ +0.25	-0.05 ~ +0.3	-0.05 ~ +0.33

Required cutting power

- **Workpiece** 42CrMo4 (240HB)
- **Cutting conditions** vc (m/min) = 100, Through coolant system

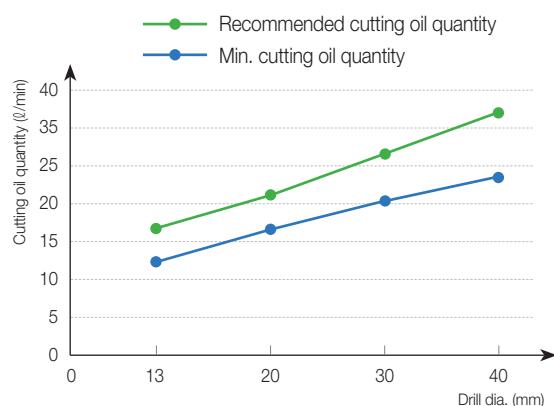


※ Cutting force shown as the above is base on drilling in facilities with enough rigidity and power.

Cutting oil quantity

- **Workpiece** 42CrMo4 (240HB)
- **Cutting conditions** vc(m/min) = 100, Through coolant system

※ The data of the graph above could be changed depending on workpiece and cutting condition.



Application examples

Carbon steel (42CrMo4)

- Cutting conditions** vc (m/min) = 150, fn (mm/rev) = 0.1, ap (mm) = 80 (through hole), wet
- Tools** Inserts SPMT060205-PD (PC3700) Holder E4D-18025-06-P
XOMT060204-PD (PC5300) (Drill dia. = Ø18 mm)



KED Plus Drill

180 holes

Competitor

120 holes

0 60 100 150 200 → No. of machined holes

50% more

Stainless steel (X5CrNiMo17)

- Cutting conditions** vc (m/min) = 120, fn (mm/rev) = 0.06, ap (mm) = 42, wet
- Tools** Inserts SPMT060205-PD (PC5300) Holder E3D-18025-06-P
XOMT060204-PD (PC5300) (Drill dia. = Ø18 mm)



KED Plus Drill

50 holes

Competitor

40 holes

0 10 20 30 40 50 → No. of machined holes

25% more

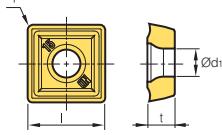
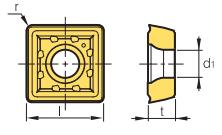
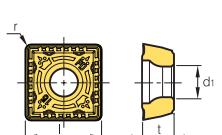
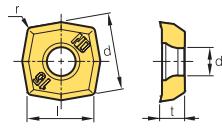
Recommended cutting conditions

ISO	Workpiece		Insert			vc (m/min)	Aspect ratio (L/D) = 2D, 3D, 4D Feed rate (mm/rev) per drill dia. (mm)						
	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/RD	PC3700	PC5300	150 (120-180)	0.04-0.08	0.04-0.08	0.04-0.08	0.04-0.08	0.04-0.08		
	High carbon steel	180-280	PD	PC5300	PC3700	180 (140-220)							
				NC5330	NC5330	120 (90-150)	0.04-0.10	0.04-0.12	0.05-0.16	0.06-0.16	0.06-0.18		
P Alloy steel	Low alloy steel	140-260	LD	PC5335	PC5335	150 (110-190)	0.04-0.06	0.04-0.07	0.04-0.08	0.04-0.08	0.04-0.08		
			PD	PC5300	PC3700	180 (140-210)	0.06-0.10	0.06-0.12	0.06-0.14	0.06-0.16	0.06-0.18		
	Low alloy heat-treated 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		
				NC5330	NC5330	100 (50-160)	0.05-0.11	0.05-0.11	0.05-0.13	0.05-0.15	0.05-0.15		
M Stainless steel	Stainless steel	135-275	LD	PC5335	PC5335	70 (30-120)	0.04-0.08	0.06-0.08	0.06-0.10	0.06-0.12	0.06-0.12		
			PD	PC5300	PC5300	120 (80-140)	0.04-0.07	0.04-0.07	0.04-0.07	0.04-0.08	0.04-0.08		
	Gray cast iron	150-230	PD	PC5300	PC6510	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	Ductile 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		
	Ni-heat resistant alloy	130-400	PD	PC5300	PC5300	130 (100-160)	0.04-0.07	0.04-0.08	0.04-0.10	0.04-0.12	0.04-0.12		
	Ti-heat resistant 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		
S HRSA	High hardness steel	Over 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		
	Ni-heat resistant alloy	130-400	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		
	High hardness steel	Over 400	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		
N Non-ferrous metal	Aluminum	30-150	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		
	Copper alloy	150-160	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		

* The Max. feed of 5D holders is 70%-80% of the max. conditions of 2D/3D/4D holders.

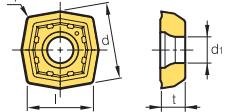
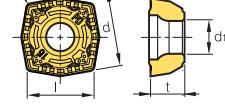
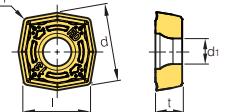
* In interrupted machining part, reduce 30%-50% of feed from the above machining around interrupted part.

Inserts

Inserts	Designation	Coated				Uncoated H01	Dimensions (mm)					Geometries			
		NC5330	NCM535	PC3700	PC5335	PC9530	PC6510	PC5300	PC5400	I	d	t	r	d1	
	SPET	040204-ND								● 4.7	-	2.4	0.4	2.3	
		050204-ND								● 5.1	-	2.4	0.4	2.3	
		060205-ND								● 6.2	-	2.5	0.5	2.5	
		07T208-ND								● 7.5	-	2.8	0.7	2.8	
		090308-ND								● 9.2	-	3.3	0.8	3.4	
		11T308-ND								● 11.0	-	4.0	0.8	4.0	
		130410-ND								● 13.0	-	4.5	1.0	4.5	
		15M510-ND								● 15.2	-	5.0	1.0	5.5	
		180510-ND								● 18.2	-	5.5	1.0	6.0	
	SPMT	060205-LD			●					6.2	-	2.5	0.5	2.5	
		07T208-LD			●					7.5	-	2.8	0.7	2.8	
		090308-LD			●					9.2	-	3.3	0.8	3.4	
		11T308-LD			●					11.0	-	4.0	0.8	4.0	
		130410-LD			●					13.0	-	4.5	1.0	4.5	
		15M510-LD			●					15.2	-	5.0	1.0	5.5	
		180510-LD			●					18.2	-	5.5	1.0	6.0	
	SPMT	040204-PD	●	●		●	●			4.7	-	2.4	0.4	2.3	
		050204-PD	●	●	●		●	●		5.1	-	2.4	0.4	2.3	
		060205-PD	●	●	●		●	●		6.2	-	2.5	0.5	2.5	
		07T208-PD	●	●	●		●	●		7.5	-	2.8	0.7	2.8	
		090308-PD	●	●	●		●	●		9.2	-	3.3	0.8	3.4	
		11T308-PD	●	●	●		●	●		11.0	-	4.0	0.8	4.0	
		130410-PD	●	●	●		●	●		13.0	-	4.5	1.0	4.5	
		15M510-PD	●	●	●		●	●		15.2	-	5.0	1.0	5.5	
		180510-PD	●	●	●		●	●		18.2	-	5.5	1.0	6.0	
	XOET	040204-ND								● 4.3	4.9	2.4	0.4	2.3	
		050204-ND								● 4.8	5.4	2.4	0.4	2.3	
		060204-ND								● 5.8	6.6	2.5	0.4	2.5	
		07T205-ND								● 6.9	7.8	2.8	0.5	2.8	
		090305-ND								● 8.4	9.6	3.3	0.5	3.4	
		11T306-ND								● 10.0	11.4	4.0	0.6	4.0	
		130406-ND								● 11.9	13.6	4.5	0.6	4.5	
		15M508-ND								● 13.9	15.9	5.0	0.8	5.5	
		180508-ND								● 16.5	18.9	5.5	0.8	6.0	

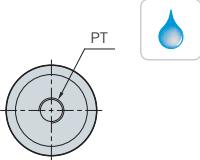
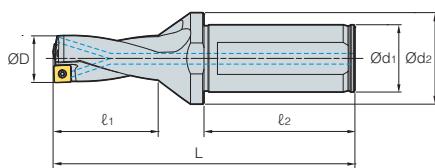
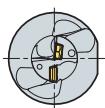
●: Stock item

Inserts

Inserts	Designation	Coated				Uncoated	Dimensions (mm)					Geometries				
		NC5330	NCM535	PC3700	PC5335		PC9530	PC6510	PC5300	PC5400	H01	I	d	t	r	d1
	XOMT 060204-LD				●						5.8	6.6	2.5	0.4	2.5	
	07T205-LD				●						6.9	7.8	2.8	0.5	2.8	
	090305-LD				●						8.4	9.6	3.3	0.5	3.4	
	11T306-LD				●						10.0	11.4	4.0	0.6	4.0	
	130406-LD				●						11.9	13.6	4.5	0.6	4.5	
	15M508-LD				●						13.9	15.9	5.0	0.8	5.5	
	180508-LD				●						16.5	18.9	5.5	0.8	6.0	
	XOMT 040204-PD					●					4.3	4.9	2.4	0.4	2.3	
	050204-PD					●					4.8	5.4	2.4	0.4	2.3	
	060204-PD					●					5.8	6.6	2.5	0.4	2.5	
	07T205-PD					●					6.9	7.8	2.8	0.5	2.8	
	090305-PD					●					8.4	9.6	3.3	0.5	3.4	
	11T306-PD					●					10.0	11.4	4.0	0.6	4.0	
	130406-PD					●					11.9	13.6	4.5	0.6	4.5	
	15M508-PD					●					13.9	15.9	5.0	0.8	5.5	
	180508-PD					●					16.5	18.9	5.5	0.8	6.0	
	XOMT 07T207-RD					●					6.9	7.8	2.8	0.7	2.8	
	090308-RD					●					8.4	9.6	3.3	0.8	3.4	
	11T309-RD					●					10.0	11.4	4.0	0.9	4.0	
	130410-RD					●					11.9	13.6	4.5	1.0	4.5	
	15M511-RD					●					13.9	15.9	5	1.1	5.5	
	180512-RD					●					16.5	18.9	5.5	1.2	6.0	

●: Stock item

KED Plus Drill (2D)

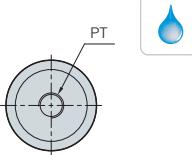
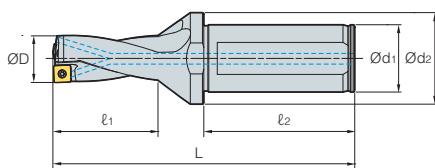
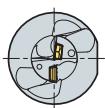


(mm)

Designation	Stock	$\varnothing D$	$\varnothing d_1$	$\varnothing d_2$	l_1	l_2	L	PT	Available inserts	Screw	Wrench
E2D- 12020-04-P		12.0	20	25	27	50	91				
12520-04-P		12.5	20	25	27	50	91				
13020-04-P	●	13.0	20	25	29	50	93				
13520-04-P	●	13.5	20	25	29	50	93				
14020-05-P	●	14.0	20	25	31	50	96				
14520-05-P	●	14.5	20	25	31	50	96				
15020-05-P	●	15.0	20	25	33	50	99				
15520-05-P	●	15.5	20	25	33	50	99				
16020-05-P	●	16.0	20	25	35	50	101				
16525-06-P	●	16.5	25	34	35	56	107				
17025-06-P	●	17.0	25	34	37	56	109				
17525-06-P	●	17.5	25	34	37	56	109	1/8			
18025-06-P	●	18.0	25	34	39	56	112		SP□T060205-□□ XO□T060204-□□	FTKA02206S	TW07P
18525-06-P	●	18.5	25	34	39	56	112				
19025-06-P	●	19.0	25	34	41	56	114				
19525-06-P	●	19.5	25	34	41	56	114				
20025-07-P	●	20.0	25	34	43	56	118				
20525-07-P	●	20.5	25	34	43	56	118				
21025-07-P	●	21.0	25	34	45	56	120				
21525-07-P	●	21.5	25	34	45	56	120				
22025-07-P	●	22.0	25	34	47	56	122		SP□T07T208-□□ XO□T07T205-□□	FTKA02565	TW07S
22525-07-P	●	22.5	25	34	47	56	122				
23025-07-P	●	23.0	25	34	49	56	126				
23525-07-P	●	23.5	25	34	49	56	126				
24032-09-P	●	24.0	32	44	51	60	133				
24532-09-P	●	24.5	32	44	51	60	133				
25032-09-P	●	25.0	32	44	53	60	135				
25532-09-P	●	25.5	32	44	53	60	135				
26032-09-P	●	26.0	32	44	55	60	137				
26532-09-P	●	26.5	32	44	55	60	137		SP□T090308-□□ XO□T090305-□□	FTKA0307	TW09S
27032-09-P	●	27.0	32	44	57	60	140				
27532-09-P	●	27.5	32	44	57	60	140				
28032-09-P	●	28.0	32	44	59	60	143				
28532-09-P	●	28.5	32	44	59	60	143				
29032-09-P	●	29.0	32	44	61	60	145				
29532-09-P	●	29.5	32	44	61	60	145				
30032-11-P	●	30.0	32	44	63	60	150				
30532-11-P		30.5	32	44	63	60	150				
31032-11-P	●	31.0	32	44	65	60	152				
31532-11-P		31.5	32	44	65	60	152				
32032-11-P	●	32.0	32	44	67	60	154				
32532-11-P		32.5	32	44	67	60	154				
33032-11-P	●	33.0	32	44	69	60	157		SP□T11T308-□□ XO□T11T306-□□	FTKA03508	TW15S
33532-11-P		33.5	32	44	69	60	157				
34032-11-P	●	34.0	32	44	71	60	159				
34532-11-P		34.5	32	44	71	60	159				
35032-11-P	●	35.0	32	44	73	60	161				
35532-11-P		35.5	32	44	73	60	161				

●: Stock item

KED Plus Drill (2D)



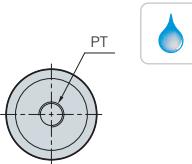
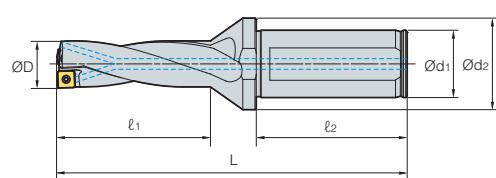
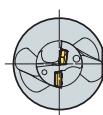
(mm)

Designation	Stock	$\varnothing D$	$\varnothing d_1$	$\varnothing d_2$	l_1	l_2	L	PT	Available inserts	Screw	Wrench
E2D- 36040-13-P	●	36.0	40	48	76	70	176				
36540-13-P		36.5	40	48	76	70	176				
37040-13-P	●	37.0	40	48	78	70	178				
37540-13-P		37.5	40	48	78	70	178				
38040-13-P	●	38.0	40	48	80	70	181				
38540-13-P		38.5	40	48	80	70	181				
39040-13-P	●	39.0	40	48	82	70	183				
39540-13-P		39.5	40	48	82	70	183				
40040-13-P	●	40.0	40	48	84	70	186				
40540-13-P		40.5	40	48	84	70	186				
41040-13-P	●	41.0	40	48	86	70	188				
41540-13-P		41.5	40	48	86	70	188				
42040-13-P	●	42.0	40	48	88	70	191				
42540-13-P		42.5	40	48	88	70	191				
43040-15-P	●	43.0	40	58	91	70	196				
43540-15-P		43.5	40	58	91	70	196				
44040-15-P	●	44.0	40	58	93	70	198				
44540-15-P		44.5	40	58	93	70	198				
45040-15-P	●	45.0	40	58	95	70	201				
45540-15-P		45.5	40	58	95	70	201				
46040-15-P	●	46.0	40	58	97	70	203				
46540-15-P		46.5	40	58	97	70	203				
47040-15-P	●	47.0	40	58	99	70	206				
47540-15-P		47.5	40	58	99	70	206				
48040-15-P	●	48.0	40	58	101	70	208				
48540-15-P		48.5	40	58	101	70	208				
49040-15-P	●	49.0	40	58	103	70	210				
49540-15-P		49.5	40	58	103	70	210				
50040-15-P	●	50.0	40	58	105	70	212				
50540-15-P		50.5	40	58	105	70	212				
51040-18-P	●	51.0	40	68	108	70	218				
51540-18-P		51.5	40	68	108	70	218				
52040-18-P	●	52.0	40	68	110	70	220				
52540-18-P		52.5	40	68	110	70	220				
53040-18-P	●	53.0	40	68	112	70	222				
53540-18-P		53.5	40	68	112	70	222				
54040-18-P	●	54.0	40	68	114	70	224				
54540-18-P		54.5	40	68	114	70	224				
55040-18-P	●	55.0	40	68	116	70	226				
55540-18-P		55.5	40	68	116	70	226				
56040-18-P	●	56.0	40	68	118	70	230				
56540-18-P		56.5	40	68	118	70	230				
57040-18-P	●	57.0	40	68	121	70	233				
57540-18-P		57.5	40	68	121	70	233				
58040-18-P	●	58.0	40	68	124	70	236				
58540-18-P		58.5	40	68	124	70	236				
59040-18-P	●	59.0	40	68	127	70	239				
59540-18-P		59.5	40	68	127	70	239				
60040-18-P	●	60.0	40	68	130	70	242				
60540-18-P		60.5	40	68	130	70	242				

1/4

●: Stock item

KED Plus Drill (3D)

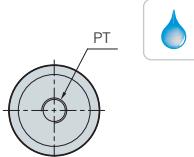
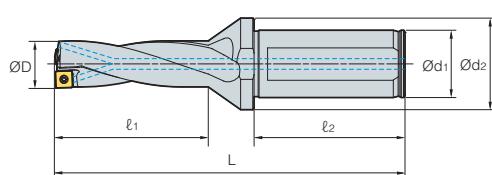
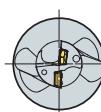


(mm)

Designation	Stock	$\varnothing D$	$\varnothing d_1$	$\varnothing d_2$	l_1	l_2	L	PT	Available inserts	Screw	Wrench		
E3D- 12020-04-P		12.0	20	25	39	50	103	1/8	SP□T040204-□□ XO□T040204-□□	FTNA0204	TW06P		
		12.5	20	25	39	50	103						
13020-04-P	●	13.0	20	25	42	50	106		SP□T050204-□□ XO□T050204-□□				
13520-04-P	●	13.5	20	25	42	50	106						
14020-05-P	●	14.0	20	25	45	50	110						
14520-05-P	●	14.5	20	25	45	50	110						
15020-05-P	●	15.0	20	25	48	50	114						
15520-05-P	●	15.5	20	25	48	50	114						
16020-05-P	●	16.0	20	25	51	50	117						
16525-06-P	●	16.5	25	34	51	56	123						
17025-06-P	●	17.0	25	34	54	56	126						
17525-06-P	●	17.5	25	34	54	56	126						
18025-06-P	●	18.0	25	34	57	56	130	1/4	SP□T060205-□□ XO□T060204-□□	FTKA02206S	TW07P		
18525-06-P	●	18.5	25	34	57	56	130						
19025-06-P	●	19.0	25	34	60	56	133						
19525-06-P	●	19.5	25	34	60	56	133						
20025-07-P	●	20.0	25	34	63	56	138						
20525-07-P	●	20.5	25	34	63	56	138						
21025-07-P	●	21.0	25	34	66	56	141						
21525-07-P	●	21.5	25	34	66	56	141		SP□T07T208-□□ XO□T07T205-□□	FTKA02565	TW07S		
22025-07-P	●	22.0	25	34	69	56	144						
22525-07-P	●	22.5	25	34	69	56	144						
23025-07-P	●	23.0	25	34	72	56	149						
23525-07-P	●	23.5	25	34	72	56	149						
24032-09-P	●	24.0	32	44	75	60	157	1/4	SP□T090308-□□ XO□T090305-□□	FTKA0307	TW09S		
24532-09-P	●	24.5	32	44	75	60	157						
25032-09-P	●	25.0	32	44	78	60	160						
25532-09-P	●	25.5	32	44	78	60	160						
26032-09-P	●	26.0	32	44	81	60	163						
26532-09-P	●	26.5	32	44	81	60	163						
27032-09-P	●	27.0	32	44	84	60	167						
27532-09-P	●	27.5	32	44	84	60	167						
28032-09-P	●	28.0	32	44	87	60	171						
28532-09-P	●	28.5	32	44	87	60	171						
29032-09-P	●	29.0	32	44	90	60	174						
29532-09-P	●	29.5	32	44	90	60	174						
30032-11-P	●	30.0	32	44	93	60	180	1/4	SP□T11T308-□□ XO□T11T306-□□	FTKA03508	TW15S		
30532-11-P		30.5	32	44	93	60	180						
31032-11-P	●	31.0	32	44	96	60	183						
31532-11-P		31.5	32	44	96	60	183						
32032-11-P	●	32.0	32	44	99	60	186						
32532-11-P		32.5	32	44	99	60	186						
33032-11-P	●	33.0	32	44	102	60	190						
33532-11-P		33.5	32	44	102	60	190						
34032-11-P	●	34.0	32	44	105	60	193						
34532-11-P		34.5	32	44	105	60	193						
35032-11-P	●	35.0	32	44	108	60	196						
35532-11-P		35.5	32	44	108	60	196						

●: Stock item

KED Plus Drill (3D)

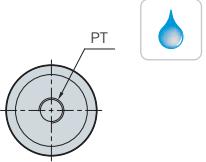
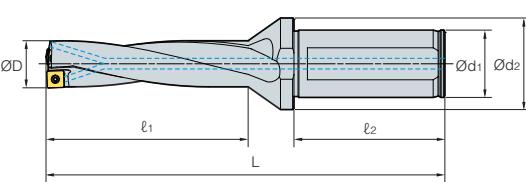
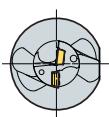


(mm)

Designation	Stock	$\varnothing D$	$\varnothing d_1$	$\varnothing d_2$	l_1	l_2	L	PT	Available inserts	Screw	Wrench
E3D- 36040-13-P	●	36.0	40	48	112	70	212				
36540-13-P		36.5	40	48	112	70	212				
37040-13-P	●	37.0	40	48	115	70	215				
37540-13-P		37.5	40	48	115	70	215				
38040-13-P	●	38.0	40	48	118	70	219				
38540-13-P		38.5	40	48	118	70	219				
39040-13-P	●	39.0	40	48	121	70	222				
39540-13-P		39.5	40	48	121	70	222				
40040-13-P	●	40.0	40	48	124	70	226				
40540-13-P		40.5	40	48	124	70	226				
41040-13-P	●	41.0	40	48	127	70	229				
41540-13-P		41.5	40	48	127	70	229				
42040-13-P	●	42.0	40	48	130	70	233				
42540-13-P		42.5	40	48	130	70	233				
43040-15-P	●	43.0	40	58	134	70	239				
43540-15-P		43.5	40	58	134	70	239				
44040-15-P	●	44.0	40	58	137	70	242				
44540-15-P		44.5	40	58	137	70	242				
45040-15-P	●	45.0	40	58	140	70	246				
45540-15-P		45.5	40	58	140	70	246				
46040-15-P	●	46.0	40	58	143	70	249				
46540-15-P		46.5	40	58	143	70	249				
47040-15-P	●	47.0	40	58	146	70	253				
47540-15-P		47.5	40	58	146	70	253				
48040-15-P	●	48.0	40	58	149	70	256				
48540-15-P		48.5	40	58	149	70	256				
49040-15-P	●	49.0	40	58	152	70	259				
49540-15-P		49.5	40	58	152	70	259				
50040-15-P	●	50.0	40	58	155	70	262				
50540-15-P		50.5	40	58	155	70	262				
51040-18-P	●	51.0	40	68	159	70	269				
51540-18-P		51.5	40	68	159	70	269				
52040-18-P	●	52.0	40	68	162	70	272				
52540-18-P		52.5	40	68	162	70	272				
53040-18-P	●	53.0	40	68	165	70	275				
53540-18-P		53.5	40	68	165	70	275				
54040-18-P	●	54.0	40	68	168	70	278				
54540-18-P		54.5	40	68	168	70	278				
55040-18-P	●	55.0	40	68	171	70	281				
55540-18-P		55.5	40	68	171	70	281				
56040-18-P	●	56.0	40	68	174	70	286				
56540-18-P		56.5	40	68	174	70	286				
57040-18-P	●	57.0	40	68	178	70	290				
57540-18-P		57.5	40	68	178	70	290				
58040-18-P	●	58.0	40	68	182	70	294				
58540-18-P		58.5	40	68	182	70	294				
59040-18-P	●	59.0	40	68	186	70	298				
59540-18-P		59.5	40	68	186	70	298				
60040-18-P	●	60.0	40	68	190	70	302				
60540-18-P		60.5	40	68	190	70	302				

●: Stock item

KED Plus Drill (4D)

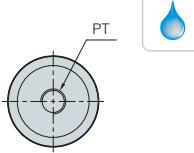
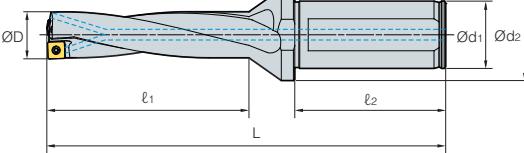
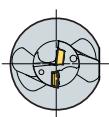


(mm)

Designation	Stock	$\varnothing D$	$\varnothing d_1$	$\varnothing d_2$	l_1	l_2	L	PT	Available inserts	Screw	Wrench		
E4D- 12020-04-P		12.0	20	25	51	50	115	1/8	SP□T040204-□□ XO□T040204-□□	FTNA0204	TW06P		
		12.5	20	25	51	50	115						
13020-04-P	●	13.0	20	25	55	50	119		SP□T050204-□□ XO□T050204-□□				
13520-04-P	●	13.5	20	25	55	50	119						
14020-05-P	●	14.0	20	25	59	50	124		SP□T060205-□□ XO□T060204-□□	FTKA02206S	TW07P		
14520-05-P	●	14.5	20	25	59	50	124						
15020-05-P	●	15.0	20	25	63	50	129		SP□T07T208-□□ XO□T07T205-□□	FTKA02565	TW07S		
15520-05-P	●	15.5	20	25	63	50	129						
16020-05-P	●	16.0	20	25	67	50	133		SP□T090308-□□ XO□T090305-□□	FTKA0307	TW09S		
16525-06-P	●	16.5	25	34	67	56	139						
17025-06-P	●	17.0	25	34	71	56	143		SP□T11T308-□□ XO□T11T306-□□	FTKA03508	TW15S		
17525-06-P	●	17.5	25	34	71	56	143						
18025-06-P	●	18.0	25	34	75	56	148		SP□T11T308-□□ XO□T11T306-□□	FTKA03508	TW15S		
18525-06-P	●	18.5	25	34	75	56	148						
19025-06-P	●	19.0	25	34	79	56	152		SP□T11T308-□□ XO□T11T306-□□	FTKA03508	TW15S		
19525-06-P	●	19.5	25	34	79	56	152						
20025-07-P	●	20.0	25	34	83	56	158		SP□T11T308-□□ XO□T11T306-□□	FTKA03508	TW15S		
20525-07-P	●	20.5	25	34	83	56	158						
21025-07-P	●	21.0	25	34	87	56	162		SP□T11T308-□□ XO□T11T306-□□	FTKA03508	TW15S		
21525-07-P	●	21.5	25	34	87	56	162						
22025-07-P	●	22.0	25	34	91	56	166		SP□T11T308-□□ XO□T11T306-□□	FTKA03508	TW15S		
22525-07-P	●	22.5	25	34	91	56	166						
23025-07-P	●	23.0	25	34	95	56	172		SP□T11T308-□□ XO□T11T306-□□	FTKA03508	TW15S		
23525-07-P	●	23.5	25	34	95	56	172						
24032-09-P	●	24.0	32	44	99	60	181	1/4	FTKA03508	TW15S			
24532-09-P	●	24.5	32	44	99	60	181						
25032-09-P	●	25.0	32	44	103	60	185						
25532-09-P	●	25.5	32	44	103	60	185						
26032-09-P	●	26.0	32	44	107	60	189						
26532-09-P	●	26.5	32	44	107	60	189						
27032-09-P	●	27.0	32	44	111	60	194						
27532-09-P	●	27.5	32	44	111	60	194						
28032-09-P	●	28.0	32	44	115	60	199						
28532-09-P	●	28.5	32	44	115	60	199						
29032-09-P	●	29.0	32	44	119	60	203						
29532-09-P	●	29.5	32	44	119	60	203						
30032-11-P	●	30.0	32	44	123	60	210						
30532-11-P		30.5	32	44	123	60	210						
31032-11-P	●	31.0	32	44	127	60	214						
31532-11-P		31.5	32	44	127	60	214						
32032-11-P	●	32.0	32	44	131	60	218		SP□T11T308-□□ XO□T11T306-□□	FTKA03508	TW15S		
32532-11-P		32.5	32	44	131	60	218						
33032-11-P	●	33.0	32	44	135	60	223						
33532-11-P		33.5	32	44	135	60	223						
34032-11-P	●	34.0	32	44	139	60	227		SP□T11T308-□□ XO□T11T306-□□	FTKA03508	TW15S		
34532-11-P		34.5	32	44	139	60	227						
35032-11-P	●	35.0	32	44	143	60	231						
35532-11-P		35.5	32	44	143	60	231		SP□T11T308-□□ XO□T11T306-□□	FTKA03508	TW15S		

●: Stock item

KED Plus Drill (4D)

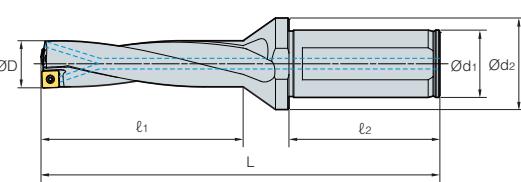
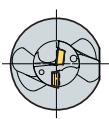


(mm)

Designation	Stock	$\varnothing D$	$\varnothing d_1$	$\varnothing d_2$	l_1	l_2	L	PT	Available inserts	Screw	Wrench
E4D- 36040-13-P	●	36.0	40	48	148	70	248				
36540-13-P		36.5	40	48	148	70	248				
37040-13-P	●	37.0	40	48	152	70	252				
37540-13-P		37.5	40	48	152	70	252				
38040-13-P	●	38.0	40	48	156	70	257				
38540-13-P		38.5	40	48	156	70	257				
39040-13-P	●	39.0	40	48	160	70	261				
39540-13-P		39.5	40	48	160	70	261				
40040-13-P	●	40.0	40	48	164	70	266				
40540-13-P		40.5	40	48	164	70	266				
41040-13-P	●	41.0	40	48	168	70	270				
41540-13-P		41.5	40	48	168	70	270				
42040-13-P	●	42.0	40	48	172	70	275				
42540-13-P		42.5	40	48	172	70	275				
43040-15-P	●	43.0	40	58	177	70	282				
43540-15-P		43.5	40	58	177	70	282				
44040-15-P	●	44.0	40	58	181	70	286				
44540-15-P		44.5	40	58	181	70	286				
45040-15-P	●	45.0	40	58	185	70	291				
45540-15-P		45.5	40	58	185	70	291				
46040-15-P	●	46.0	40	58	189	70	295				
46540-15-P		46.5	40	58	189	70	295				
47040-15-P	●	47.0	40	58	193	70	300				
47540-15-P		47.5	40	58	193	70	300				
48040-15-P	●	48.0	40	58	197	70	304				
48540-15-P		48.5	40	58	197	70	304				
49040-15-P	●	49.0	40	58	201	70	308				
49540-15-P		49.5	40	58	201	70	308				
50040-15-P	●	50.0	40	58	205	70	312				
50540-15-P		50.5	40	58	205	70	312				
51040-18-P	●	51.0	40	68	210	70	320				
51540-18-P		51.5	40	68	210	70	320				
52040-18-P	●	52.0	40	68	214	70	324				
52540-18-P		52.5	40	68	214	70	324				
53040-18-P	●	53.0	40	68	218	70	328				
53540-18-P		53.5	40	68	218	70	328				
54040-18-P	●	54.0	40	68	222	70	332				
54540-18-P		54.5	40	68	222	70	332				
55040-18-P	●	55.0	40	68	226	70	336				
55540-18-P		55.5	40	68	226	70	336				
56040-18-P	●	56.0	40	68	230	70	342				
56540-18-P		56.5	40	68	230	70	342				
57040-18-P	●	57.0	40	68	235	70	347				
57540-18-P		57.5	40	68	235	70	347				
58040-18-P	●	58.0	40	68	240	70	352				
58540-18-P		58.5	40	68	240	70	352				
59040-18-P	●	59.0	40	68	245	70	357				
59540-18-P		59.5	40	68	245	70	357				
60040-18-P	●	60.0	40	68	250	70	362				
60540-18-P		60.5	40	68	250	70	362				

●: Stock item

KED Plus Drill (5D)

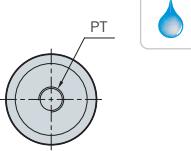
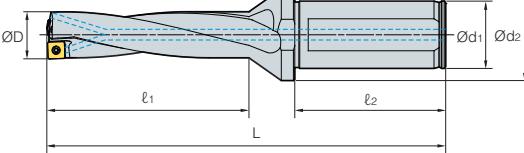
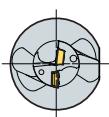


(mm)

Designation	Stock	$\varnothing D$	$\varnothing d_1$	$\varnothing d_2$	l_1	l_2	L	PT	Available inserts	Screw	Wrench
E5D- 12020-04-P		12.0	20	25	63	50	127				
12520-04-P		12.5	20	25	63	50	127				
13020-04-P	●	13.0	20	25	68	50	132				
13520-04-P	●	13.5	20	25	68	50	132				
14020-05-P	●	14.0	20	25	73	50	138				
14520-05-P	●	14.5	20	25	73	50	138				
15020-05-P	●	15.0	20	25	78	50	144				
15520-05-P	●	15.5	20	25	78	50	144				
16020-05-P	●	16.0	20	25	83	50	149				
16525-06-P	●	16.5	25	34	83	56	155				
17025-06-P	●	17.0	25	34	88	56	160				
17525-06-P	●	17.5	25	34	88	56	160				
18025-06-P	●	18.0	25	34	93	56	166	1/8	SP□T060205-□□ XO□T060204-□□	FTKA02206S	TW07P
18525-06-P	●	18.5	25	34	93	56	166				
19025-06-P	●	19.0	25	34	98	56	171				
19525-06-P	●	19.5	25	34	98	56	171				
20025-07-P	●	20.0	25	34	103	56	178				
20525-07-P	●	20.5	25	34	103	56	178				
21025-07-P	●	21.0	25	34	108	56	183				
21525-07-P	●	21.5	25	34	108	56	183				
22025-07-P	●	22.0	25	34	113	56	188		SP□T07T208-□□ XO□T07T205-□□	FTKA02565	TW07S
22525-07-P	●	22.5	25	34	113	56	188				
23025-07-P	●	23.0	25	34	118	56	195				
23525-07-P	●	23.5	25	34	118	56	195				
24032-09-P	●	24.0	32	44	123	60	205				
24532-09-P	●	24.5	32	44	123	60	205				
25032-09-P	●	25.0	32	44	128	60	210				
25532-09-P	●	25.5	32	44	128	60	210				
26032-09-P	●	26.0	32	44	133	60	215				
26532-09-P	●	26.5	32	44	133	60	215		SP□T090308-□□ XO□T090305-□□	FTKA0307	TW09S
27032-09-P	●	27.0	32	44	138	60	221				
27532-09-P	●	27.5	32	44	138	60	221				
28032-09-P	●	28.0	32	44	143	60	227				
28532-09-P	●	28.5	32	44	143	60	227				
29032-09-P	●	29.0	32	44	148	60	232				
29532-09-P	●	29.5	32	44	148	60	232				
30032-11-P	●	30.0	32	44	153	60	240				
30532-11-P		30.5	32	44	153	60	240				
31032-11-P	●	31.0	32	44	158	60	245				
31532-11-P		31.5	32	44	158	60	245				
32032-11-P	●	32.0	32	44	163	60	250				
32532-11-P		32.5	32	44	163	60	250				
33032-11-P	●	33.0	32	44	168	60	256		SP□T11T308-□□ XO□T11T306-□□	FTKA03508	TW15S
33532-11-P		33.5	32	44	168	60	256				
34032-11-P	●	34.0	32	44	173	60	261				
34532-11-P		34.5	32	44	173	60	261				
35032-11-P	●	35.0	32	44	178	60	266				
35532-11-P		35.5	32	44	178	60	266				

●: Stock item

KED Plus Drill (5D)



Designation	Stock	$\varnothing D$	$\varnothing d_1$	$\varnothing d_2$	l_1	l_2	L	PT	Available inserts	Screw	Wrench
E5D- 36040-13-P	●	36.0	40	48	184	70	284				
36540-13-P		36.5	40	48	184	70	284				
37040-13-P	●	37.0	40	48	189	70	289				
37540-13-P		37.5	40	48	189	70	289				
38040-13-P	●	38.0	40	48	194	70	295				
38540-13-P		38.5	40	48	194	70	295				
39040-13-P	●	39.0	40	48	199	70	300				
39540-13-P		39.5	40	48	199	70	300				
40040-13-P	●	40.0	40	48	204	70	306				
40540-13-P		40.5	40	48	204	70	306				
41040-13-P	●	41.0	40	48	209	70	311				
41540-13-P		41.5	40	48	209	70	311				
42040-13-P	●	42.0	40	48	214	70	317				
42540-13-P		42.5	40	48	214	70	317				
43040-15-P	●	43.0	40	58	220	70	325				
43540-15-P		43.5	40	58	221	70	326				
44040-15-P	●	44.0	40	58	225	70	330				
44540-15-P		44.5	40	58	225	70	330				
45040-15-P	●	45.0	40	58	230	70	336				
45540-15-P		45.5	40	58	230	70	336				
46040-15-P	●	46.0	40	58	235	70	341				
46540-15-P		46.5	40	58	235	70	341				
47040-15-P	●	47.0	40	58	240	70	347				
47540-15-P		47.5	40	58	240	70	347				
48040-15-P	●	48.0	40	58	245	70	352				
48540-15-P		48.5	40	58	245	70	352				
49040-15-P	●	49.0	40	58	250	70	357				
49540-15-P		49.5	40	58	250	70	357				
50040-15-P	●	50.0	40	58	255	70	362				
50540-15-P		50.5	40	58	255	70	362				
51040-18-P	●	51.0	40	68	261	70	371				
51540-18-P		51.5	40	68	261	70	371				
52040-18-P	●	52.0	40	68	266	70	376				
52540-18-P		52.5	40	68	266	70	376				
53040-18-P	●	53.0	40	68	271	70	381				
53540-18-P		53.5	40	68	271	70	381				
54040-18-P	●	54.0	40	68	276	70	386				
54540-18-P		54.5	40	68	276	70	386				
55040-18-P	●	55.0	40	68	281	70	391				
55540-18-P		55.5	40	68	281	70	391				
56040-18-P	●	56.0	40	68	286	70	398				
56540-18-P		56.5	40	68	286	70	398				
57040-18-P	●	57.0	40	68	292	70	404				
57540-18-P		57.5	40	68	292	70	404				
58040-18-P	●	58.0	40	68	298	70	410				
58540-18-P		58.5	40	68	298	70	410				
59040-18-P	●	59.0	40	68	304	70	416				
59540-18-P		59.5	40	68	304	70	416				
60040-18-P	●	60.0	40	68	310	70	422				
60540-18-P		60.5	40	68	310	70	422				

●: Stock item

www.korloy.com



Holystar B/D, 1350, Nambusunhwon-ro, Geumcheon-gu, Seoul, 08536, Korea
Tel: +82-2-522-3181 Fax: +82-2-522-3184, +82-2-3474-4744 Web: www.korloy.com E-mail: sales.khq@korloy.com



620 Maple Avenue, Torrance, CA 90503, USA
Tel: +1-310-782-3800 Toll Free: +1-888-711-0001 Fax: +1-310-782-3885
E-mail: sales.kai@korloy.com



Plot No. 415, Sector 8, IMT Manesar, Gurgaon 122051, Haryana, India
Tel: +91-124-4391790 Fax: +91-124-4050032
E-mail: sales.kip@korloy.com



Serifali Mahallesi, Burhan Sokak NO: 34
Dudullu OSB/Umraniye/Istanbul, 34775, Turkey
Tel: +90-216-415-8874 E-mail: sales.ktl@korloy.com



Krasiviy Dom office No. 305, Bld. 5, Novovladykinskiy proezd 8, 127106,
Moscow, Russia
Tel: +7-495-280-1458 Fax: +7-495-280-1459 E-mail: sales.krc@korloy.com



Ground Dongjing Road 56(B) District Free Trade Zone. Qingdao, China
Tel: +86-532-86959880 Fax: +86-532-86760651
E-mail: pro.kfq@korloy.com



Gablonzer Str. 25-27, 61440 Oberursel, Germany
Tel: +49-6171-277-83-0 Fax: +49-6171-277-83-59
E-mail: sales.keg@korloy.com



Av. Aruana 280, conj.12, WLC, Alphaville, Barueri,
CEP06460-010, SP, Brasil
Tel: +55-11-4193-3810 E-mail: sales.kbl@korloy.com



Av. Providencia 1650, Office 1009, 7500027
Providencia-Santiago, Chile
Tel: +56-229-295-490 E-mail: sales.kcs@korloy.com



Queretaro, Mexico
E-mail: sales.kml@korloy.com



Plot No. 415, Sector 8, IMT Manesar, Gurgaon 122051, Haryana, India
Tel: +91-124-4391790 Fax: +91-124-4050032
E-mail: pro.kim@korloy.com