

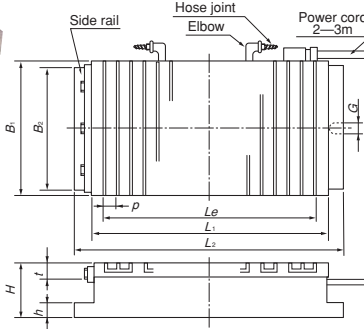
Model KCT WATER-COOLING RECTANGULAR TYPE

Environmentally Friendly



No heat generated

KCT-4060B



Chuck controller required additionally

[Application]

Suitable for high precision grinding during which no heat must be generated when the power is on.

[Features]

- A special construction to cool the electromagnetic coil directly.
- A unique construction; accuracy change is very small and temperature rise is minimized by using both cooling water flowing inside the chuck and grinding fluid sprayed to the top surface. This design minimizes thermal expansion of the chuck due to temperature rise.
- Cooling water flows through the internal coils in the chuck, a proven Kanetec original design.
- Most suitable for dry grinding operations as heat of workpieces is also removed.

[mm (in)]

Model	Nominal Dimensions	Top Plate				Pole Pitch	Bottom Plate				Height	Hole	Hose Coupling	Voltage	Current	Power Cord	Mass	Electro Chuck Master	Remarks
		B ₁	L ₁	t	Le		B ₂	L ₂	h	H									
KCT-1025E	100(3.93) × 250(9.84)	100(3.93)	250(9.84)	21	211(8.30)	11(2+9) (0.43)	96(3.78)	294(11.5)	85	10(0.39)	φ 8 (0.31)	90 VDC	0.16A	2m	15kg/ 33 lb	ES-M103B ES-M305B EH-V105D EH-V205D EH-VE105D EH-VE205D	*For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P17-P20		
KCT-1325E	125(4.92) × 250(9.84)	125(4.92)	250(9.84)	21	212(8.34)	14(2+12) (0.55)	119(4.68)	294(11.5)	25	14(0.55)			0.19A		19kg/ 41 lb				
KCT-1530E	150(5.90) × 300(11.8)	150(5.90)	300(11.8)	21	240(9.44)		144(5.66)	394(15.5)					95	Clamping (no hole)	0.20A			26kg/ 57 lb	
KCT-1535E	150(5.90) × 350(13.7)	150(5.90)	350(13.7)	21	296(11.6)	144(5.66)	494(19.4)	95	Clamping (no hole)	0.22A					31kg/ 68 lb				
KCT-1545E	150(5.90) × 450(17.7)	150(5.90)	450(17.7)	21	408(16.0)	194(7.63)	544(21.4)			95			Clamping (no hole)	0.29A	39kg/ 85 lb				
KCT-2040E	200(7.87) × 400(15.7)	200(7.87)	400(15.7)	25	352(13.8)	240(9.44)	600(23.6)	95	Clamping (no hole)					0.43A	46kg/ 101 lb				
KCT-2050E	200(7.87) × 500(19.6)	200(7.87)	500(19.6)	25	464(18.2)	290(11.4)	544(21.4)			95			Clamping (no hole)	0.34A	57kg/ 125 lb				
KCT-2060E	200(7.87) × 600(23.6)	200(7.87)	600(23.6)	25	548(21.5)	290(11.4)	600(23.6)	95	Clamping (no hole)					0.47A	66kg/ 145 lb				
KCT-2550E	250(9.84) × 500(19.6)	250(9.84)	500(19.6)	25	451(17.7)	19.5(2.5+17) (0.76)	500(19.6)			95			Clamping (no hole)	0.56A	80kg/ 176 lb				
KCT-2560E	250(9.84) × 600(23.6)	250(9.84)	600(23.6)	25	529(20.8)	290(11.4)	600(23.6)	95	Clamping (no hole)					0.72A	97kg/ 213 lb				
KCT-3050E	300(11.8) × 500(19.6)	300(11.8)	500(19.6)	25	451(17.7)	290(11.4)	500(19.6)			95	Clamping (no hole)	0.68A	93kg/ 205 lb						
KCT-3060E	300(11.8) × 600(23.6)	300(11.8)	600(23.6)	25	529(20.8)	290(11.4)	600(23.6)	95	Clamping (no hole)			1.06A	112kg/ 247 lb						
KCT-4050B	400(15.7) × 250(9.84)	400(15.7)	250(9.84)	25	451(17.7)	390(15.3)	500(19.6)			100	φ 12 (0.47)	0.96A	132kg/ 291 lb						
KCT-4060B	400(15.7) × 600(23.6)	400(15.7)	600(23.6)	25	529(20.8)	390(15.3)	600(23.6)	100	φ 12 (0.47)			1.09A	159kg/ 350 lb						
KCT-5050B	500(19.6) × 500(19.6)	500(19.6)	500(19.6)	25	451(17.7)	490(19.2)	500(19.6)			100	φ 12 (0.47)	0.93A	167kg/ 368 lb						
KCT-5060B	500(19.6) × 600(23.6)	500(19.6)	600(23.6)	25	529(20.8)	490(19.2)	600(23.6)	100	φ 12 (0.47)			1.06A	204kg/ 449 lb						

*Full-function chuck masters are available with both rectification and demagnetization functions. *If the magnetic force needs not be adjusted, use ES-M. *A cooler unit is required additionally. Not supplied by KANETEC
*The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used. *Only the side stopper is included. (The back stopper is not included.)

Model KCT-U WATER-COOLING ROTARY TYPE

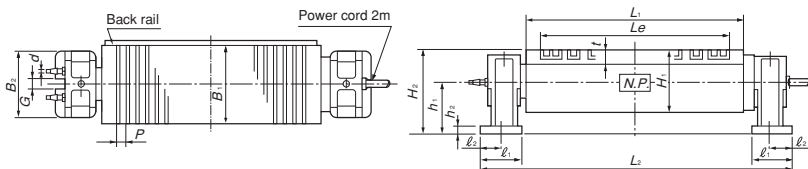
Environmentally Friendly



No heat generated

KCT-1530UE

Chuck controller required additionally



[Application]

Since no heat is generated when the power is on, this model is suitable for high precision angle grinding.

[Features]

- Cooling water flows through the internal coils in the chuck, a proven Kanetec original design.
- Since the cooling hose is connected to the shaft, a desired tilting range can be set.
- The hose does not become an obstacle regardless of tilting angles of the work face. Grinding at a tilted angle can be carried out without paying attention to the hose location.
- Cooling water is let flow inside the chuck to cool the coil directly and grinding fluid cools the top surface. This design minimizes temperature rise, thus minimizing accuracy change of the chuck.

[mm (in)]

Model	Nominal Dimensions	Top Plate				Pole Pitch	Rotary Base								Length	Height	Voltage	Current	Mass	Electro Chuck Master	Remarks
		B ₁	L ₁	H ₁	Le		B ₂	ℓ ₁	ℓ ₂	G	h ₁	h ₂	a ₁	a ₂							
KCT-1025UE	100(3.93) × 250(9.84)	100(3.93)	250(9.84)	211(8.30)	11(2+9) (0.43)	96(3.78)	80(3.15)	29(1.14)	14(0.55)	95(3.74)	15(0.59)	5(0.19)	13(0.51)	368(14.4)	130(5.11)	90 VDC	0.16A	21kg/ 46 lb	ES-M103B ES-M305B EH-V105D EH-V205D EH-VE105D EH-VE205D	*For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P17-P20	
KCT-1030UE	100(3.93) × 300(11.8)	100(3.93)	300(11.8)	255(10.0)	14(2+12) (0.55)	100(3.93)	50(1.96)	29(1.14)	14(0.55)	95(3.74)	15(0.59)	5(0.19)	13(0.51)	418(16.4)	145(5.70)		0.21A	25kg/ 55 lb			
KCT-1040UE	100(3.93) × 400(15.7)	100(3.93)	400(15.7)	365(14.3)										418(16.4)			0.26A	30kg/ 66 lb			
KCT-1230UE	120(4.72) × 300(11.8)	120(4.72)	300(11.8)	255(10.0)	100(3.93)	50(1.96)	29(1.14)	14(0.55)	95(3.74)	15(0.59)	5(0.19)	13(0.51)	518(20.3)	145(5.70)	0.21A		29kg/ 64 lb				
KCT-1530UE	150(5.90) × 300(11.8)	150(5.90)	300(11.8)	240(9.44)									418(16.4)		0.20A		37kg/ 81 lb				
KCT-1535UE	150(5.90) × 350(13.7)	150(5.90)	350(13.7)	296(11.6)	100(3.93)	50(1.96)	29(1.14)	14(0.55)	95(3.74)	15(0.59)	5(0.19)	13(0.51)	468(18.4)	145(5.70)	0.22A		41kg/ 90 lb				
KCT-1545UE	150(5.90) × 450(17.7)	150(5.90)	450(17.7)	408(16.0)									568(22.3)		0.29A		51kg/ 112 lb				
KCT-2050UE	200(7.87) × 500(19.6)	200(7.87)	500(19.6)	464(18.2)	100(3.93)	50(1.96)	29(1.14)	14(0.55)	95(3.74)	15(0.59)	5(0.19)	13(0.51)	618(24.3)	170(6.69)	0.34A		76kg/ 167 lb				
KCT-2060UE	200(7.87) × 600(23.6)	200(7.87)	600(23.6)	548(21.5)									728(28.6)		0.47A		89kg/ 196 lb				

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*The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used.