S. H. Værktøjsmaskiner ApS

IMPORT * EXPORT * SERVICE

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SHV CNC LATHE

∅630 ∅800 ∅940

CNC LATHE SERIES

CNC
LATHE SERIES

Model

CK6163/80/94、 CK6263/80/94
CKJ6163/80/94、 CKJ6263/80/94
CKA6163/80/94、 CKA6263/80/94

Specification

750/1000/1500/2000/3000/
4000/5000/6000

CK、CKJ、CKA Series are economical and practical CNC lathes. With optimized structures, unfailing performance, high quality, simple programming, and easy handling, they are suitable for turning of complicated shaft, sleeve, and disk type work-pieces such as turning of internal and external cylindrical, conical, arc surfaces and various threads, and even drilling, boring and reaming holes. And they are especially fit for turning of diversified work-pieces on small and medium batches. They are of high versatility, high efficiency, low inferiority and good conformability. So to be widely used in various trades, such as automobile industry, petroleum industry, military industry, and so on.

CK Series CNC lathes may accomplish step-less spindle speed-charging by means of main motor frequency conversion and 4-shift hydraulic gear-change; CKJ Series CNC lathes obtain 18 speeds all manually; and CKA Series' spindle speed charging introduces 6 shift hydraulic gear change and 3-shift manual gear-change to obtain 12 speeds.

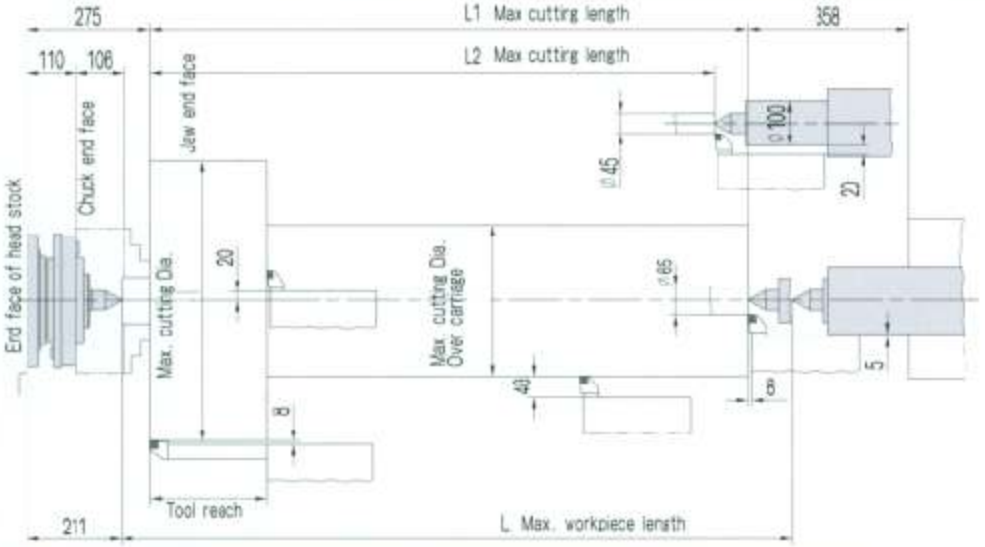
CNC LATHE SERIES

Ø630 Ø940 Ø800

Main Technical specifications

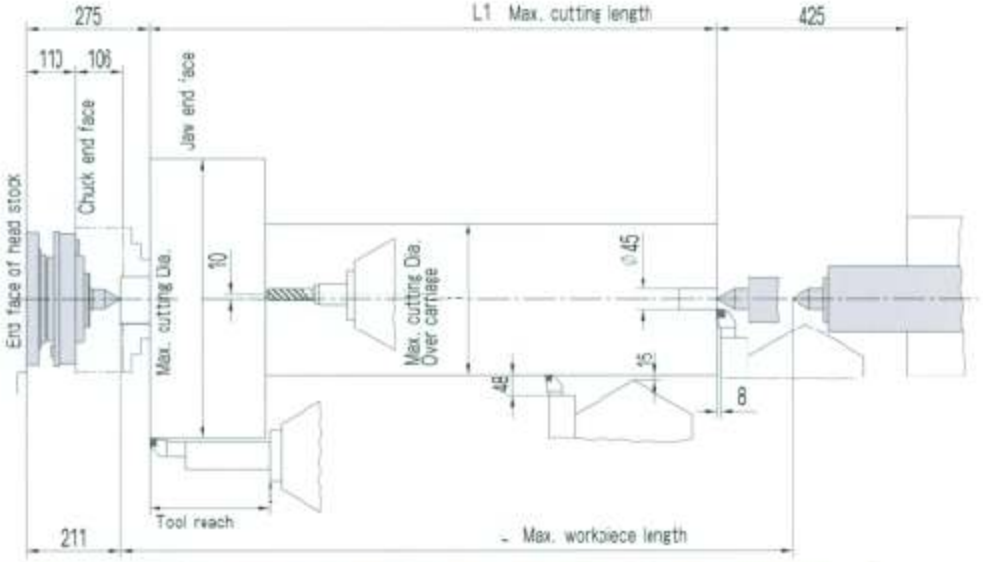
Item		Unit	CK6163 CKJ6163 CKA6163 CK6263 CKJ6263 CKA6263	CK6180 CKJ6180 CKA6180 CK6280 CKJ6280 CKA6280	CK6194 CKJ6194 CKA6194 CK6294 CKJ6294 CKA6294
Capacities					
	Swing over bed	mm	630	800	940
	Swing over carriage	mm	340	510	650
	swing over gap	mm	800	970	1100
	Effective width of gap	mm	300		
	Max. workpiece length	mm	750 1000 1500 2000 3000 4000 5000 6000		
	Max. turning length	mm	600 850 1350 1850 2850 3850 4850 5850		
	Span of guideway	mm	550		
Spindle					
	Spindle nose		C11	C11	C11
Chuck	Manual		Φ325	Φ325	Φ325
	Hydraulic		K51(Φ320、Φ400、Φ500) V212(Φ304) V215(Φ38) N212(Φ304)		
	Pneumatic		———	———	———
	Spindle bore	mm	100		
	Taper hole of spindle		1:20/120		
	Spindle speed and range		CK 12.5 ~ 1000r/min	CK 10 ~ 800r/min	CK 10 ~ 800r/min
			CKJ 15 7.5 ~ 1000r/min	CKJ 12 6 ~ 800r/min	CKJ 12 6 ~ 800r/min
			CKA 9 ~ 1000r/min	CKA 7 ~ 800r/min	CKA 7 ~ 800r/min
	Center height from bed	mm	315	400	470
Feed motion					
X/Z	Min. feed increment of x-/z-axis	mm	0.001/0.001		
X/Z	Rapid speeds of x-/z-axis	mm/min	3000/6000		
X	Max. travel of x-axis	mm	390	475	475
Turret					
	Tool-post working position		V4 V6/H6/H8/H10		
	Indexing time	s	2.4(V4)2.2(V6)		
	Indexing repeatility	mm	0.008		
	Section of tool shank	mm	□32		
Tailstock					
	Diameter of tailstock quill	mm	100		
	Travel of tailstock quill	mm	250		
	Taper hole of tailstock quill		Morse 5		
Accuracy and acceptance conditions					
	Workpiece accuracy		IT6 ~ IT7		
	Surface roughness	μm	Ra1.6		
	Acceptance conditions		JB/T8324.1-96 JB/T8324.2-96		
Others					
	Main motor power	kw	11		

Work envelop for for V4 turret



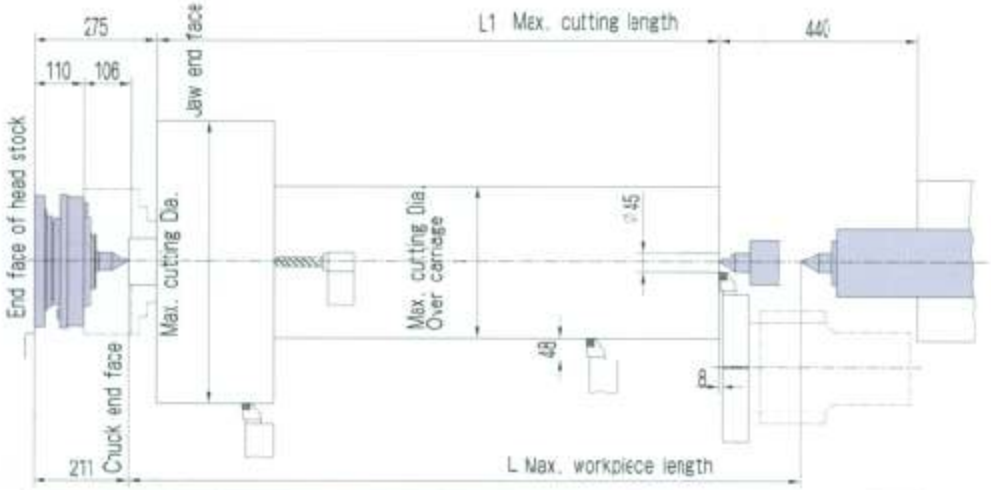
	CK6163 CKA6163 CKJ6163	CK6180 CKA3180 CKJ6180	CK6194 CKA6194 CKJ6194
	630	800	874
	340	510	650
L	750 1000 1500 2000 3000 4000 5000 6000		
L1	600 850 1350 1850 2850 3850 4850 5850		
L2	515 765 1265 1765 2765 3765 4765 5765		

Work envelop for for V6 turret



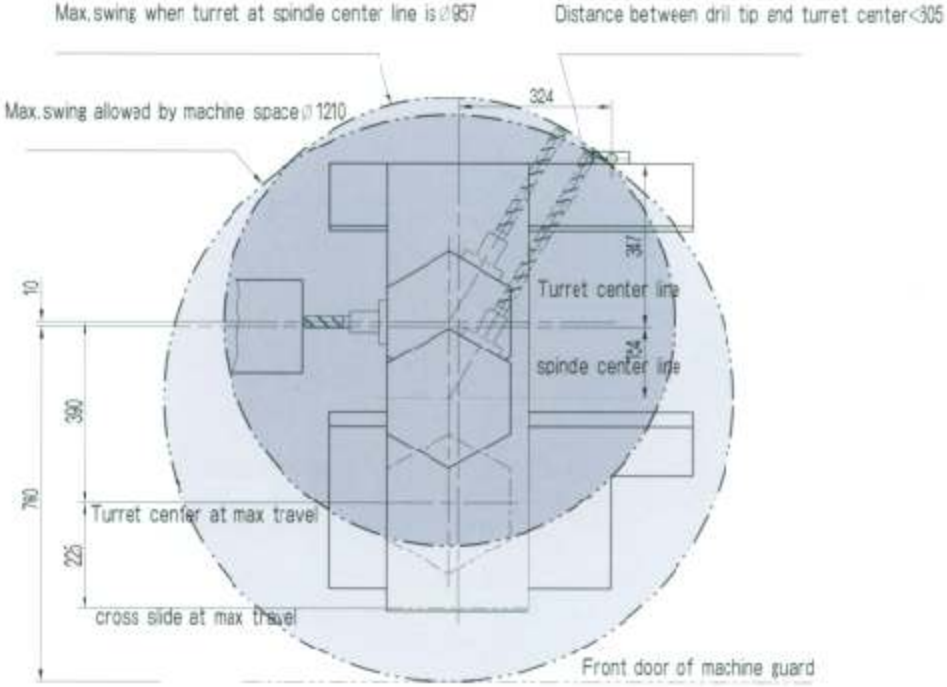
	CK6163 CKA6163 CKJ6163	CK6180 CKA6180 CKJ6180	CK6194 CKA6194 CKJ6194
D	630	800	940
d	340	510	650
L	750 1000 1500 2000 3000 4000 5000 6000		
L1	520 770 1270 1770 2770 3770 4770 5770		

Work envelop for for H6, H8 turret

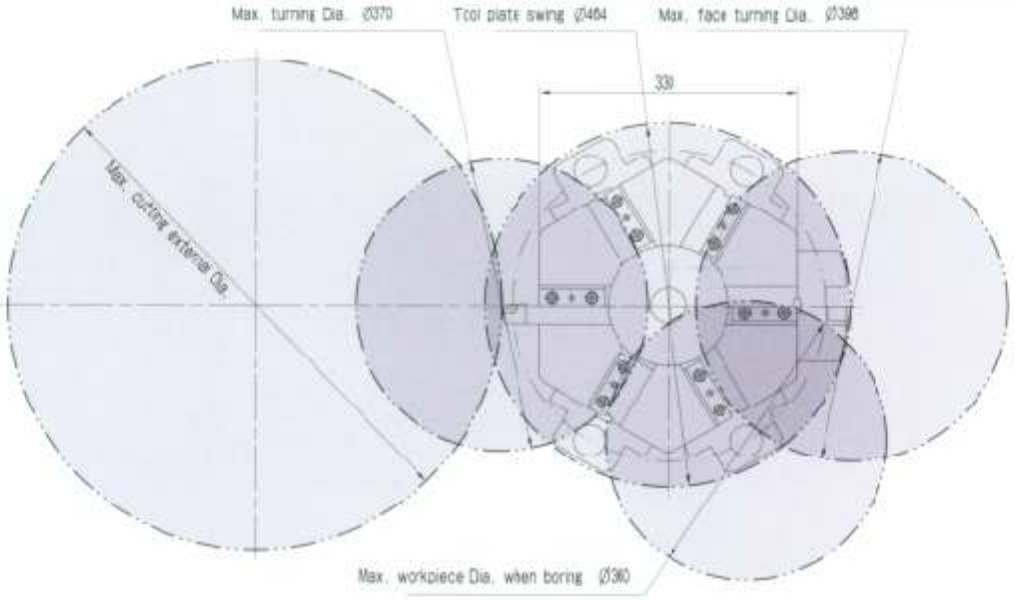


	CK6163 CKA6163 CKJ6163	CK6180 CKA6180 CKJ6180	CK6194 CKA6194 CKJ6194
D	630	705	705
d	340	510	650
L	750 1000 1500 2000 3000 4000 5000 6000		
L1	505 755 1255 1755 2755 3755 4755 5755		

Tool interference diagram for V6 turret

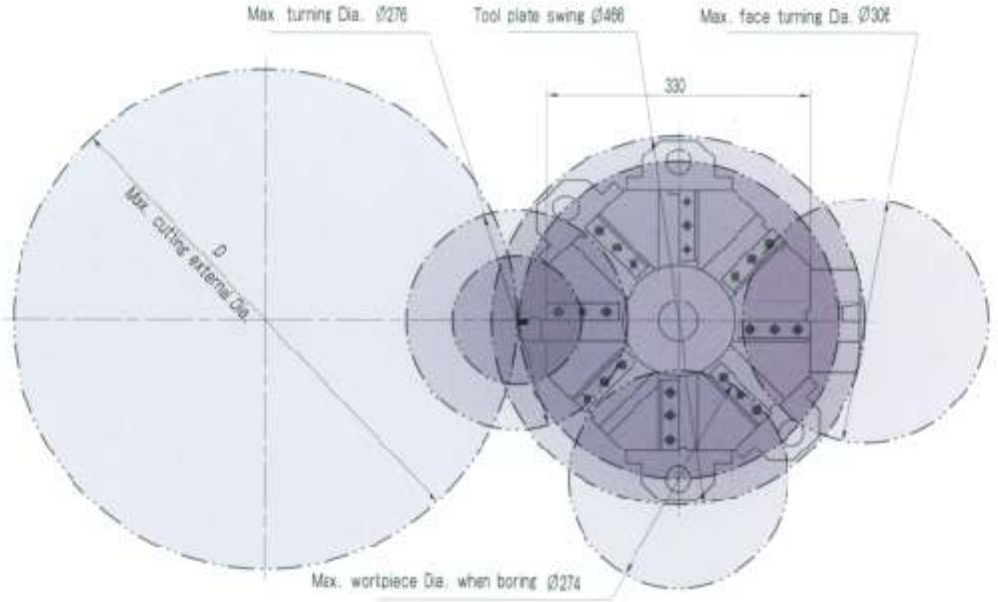


Tool interference diagram for H6 turret



	CK6163 CKA6163 CKJ6163	CK6180 CKA6180 CKJ6180	CK6194 CKA6194 CKJ6194
	630	705	705

Tool interference diagram for H8 turret

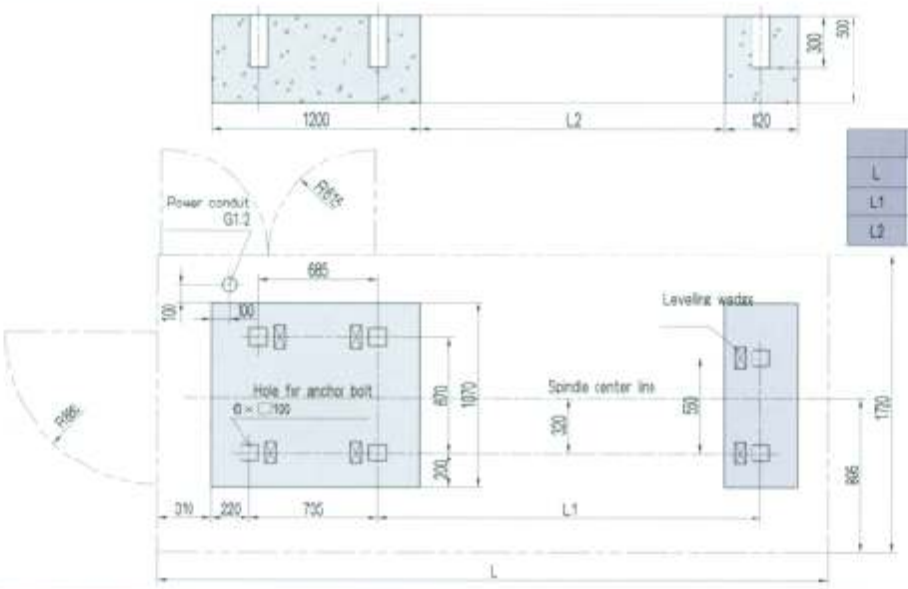


	CK6163 CKA6163 CKJ6163	CK6180 CKA6180 CKJ6180	CK6194 CKA6194 CKJ6194
D	630	705	705

Accessories

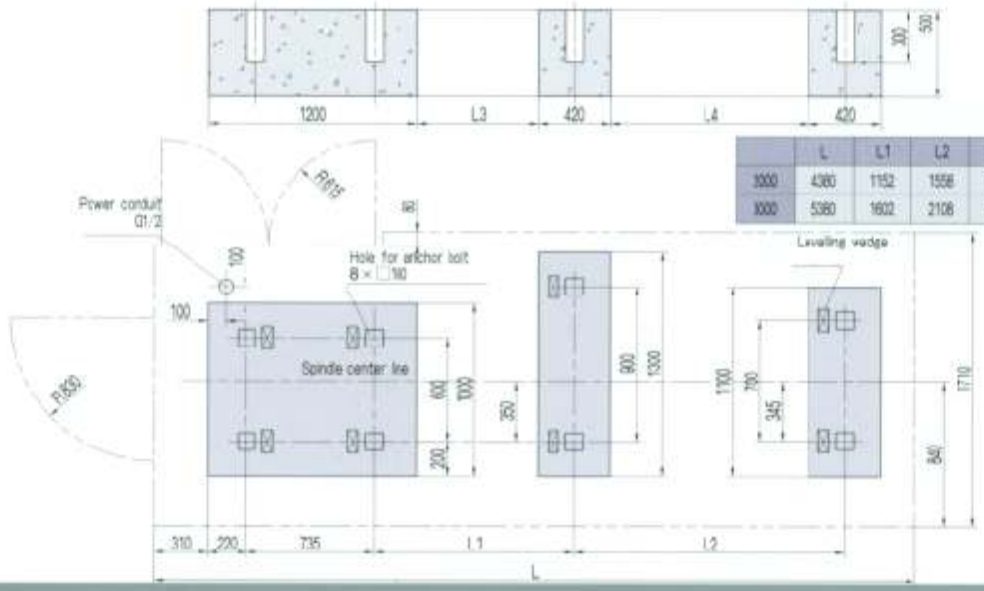
	Standard	Optional
Turret	V4	V6, H6, H8
Chuck	3-Jaw chuck	4-Jaw chuck K51-320, K51-400, K51-500, V212, V215 Non-thru-hole hydraulic K52-315, K55-IV-315, N212 thru-hole hydraulic
Tailstock	Manual	hydraulic, Manual or hydraulic with rotary quill, hydraulic with chuck
CNC	SIEMENS 802D, FANUC 0i mate-TC, FANUC 0i TC, GSK 980TD	
steady rest		Φ20 ~ 170, Φ160 ~ 350 steady rest Φ20 ~ 170, Φ170 ~ 350 Roller steady rest PK11250, PK11320 Hydraulic steady rest
Follow rest		Φ15-120 Follow rest

CK6163/80/94x750,1000,1500 Foundation



	750	1000	1500
L	3165	3415	3865
L1	1510	1760	2214
L2	1055	1305	1755

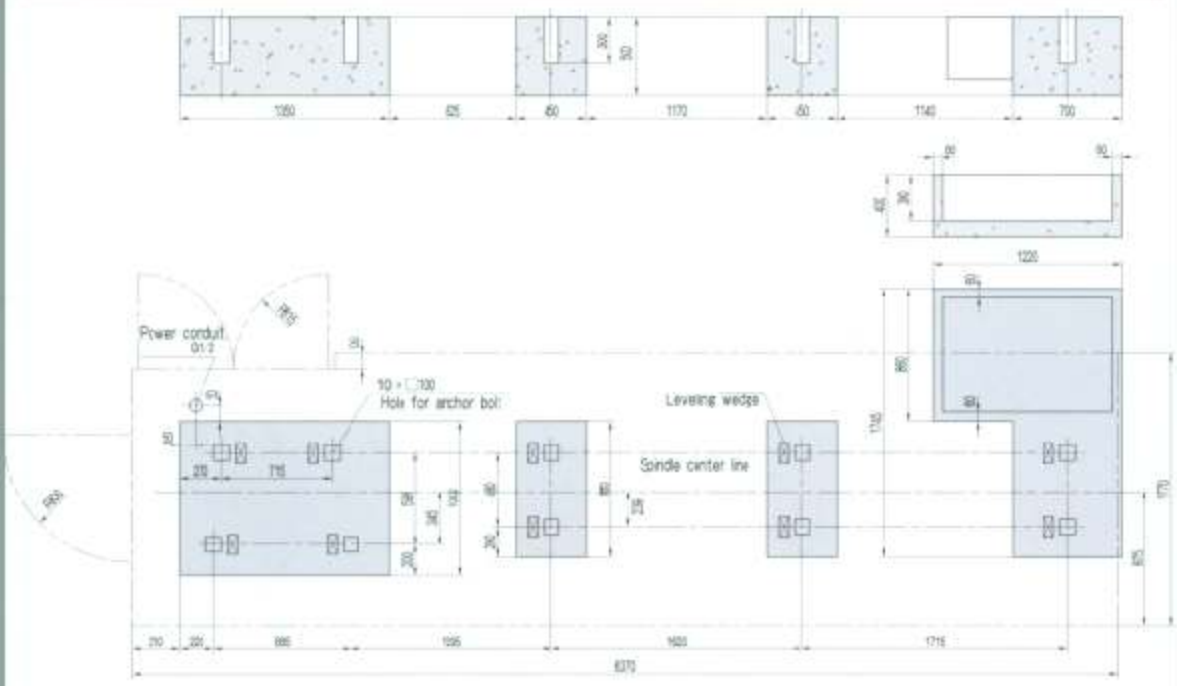
CK6163/80/94x2000,3000 Foundation



	L	L1	L2	L3	L4
2000	4380	1152	1558	695	1140
3000	5380	1602	2108	1145	1650

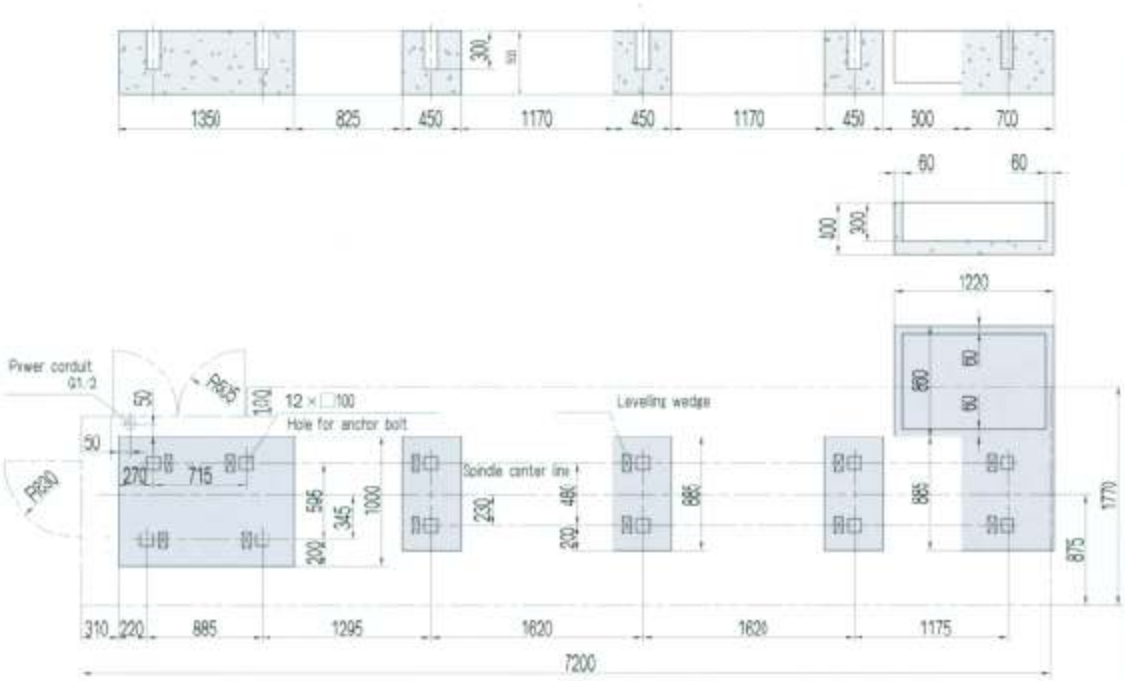
CK6163/80/94x4000

Foundation



CK6163/80/94x5000

Foundation



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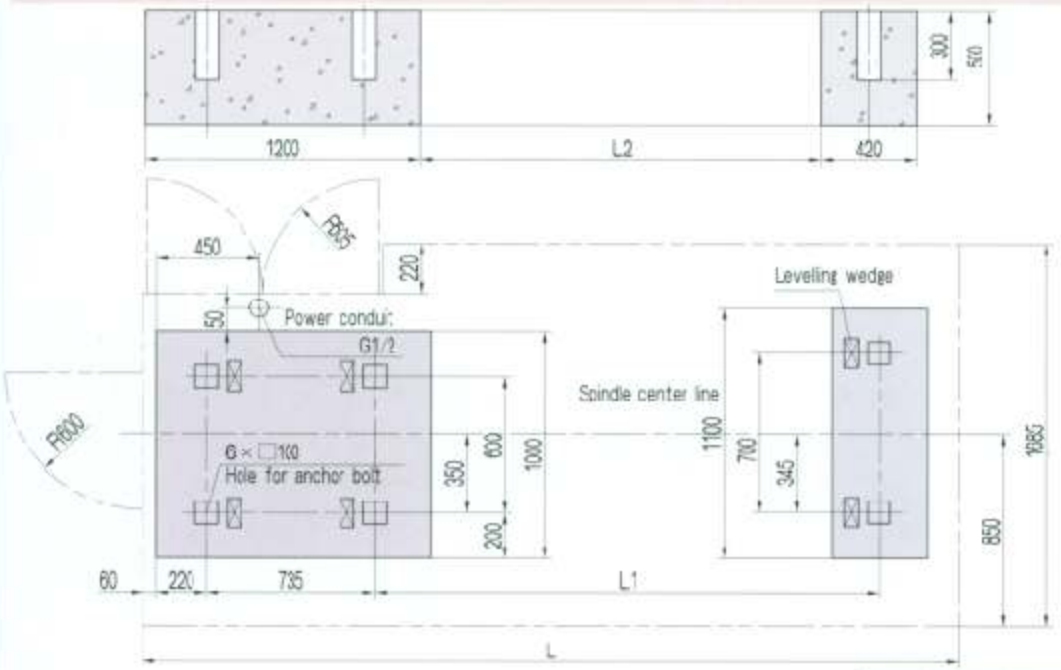
CKA,CKJ6163/80/94X750,1000,1500

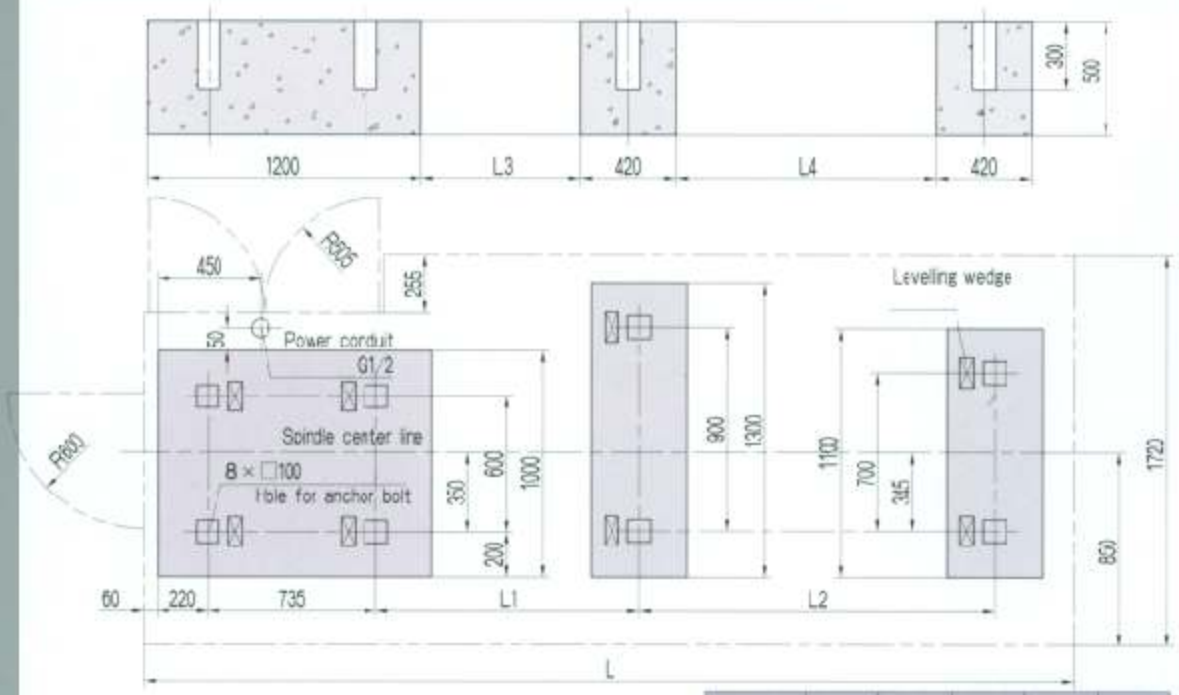
Foundation



	750	1000	1500
L	2610	3125	3575
L1	1445	1760	2210
L2	990	1305	1755

CKA,CKJ6163/80/94X2000,3000

Foundation



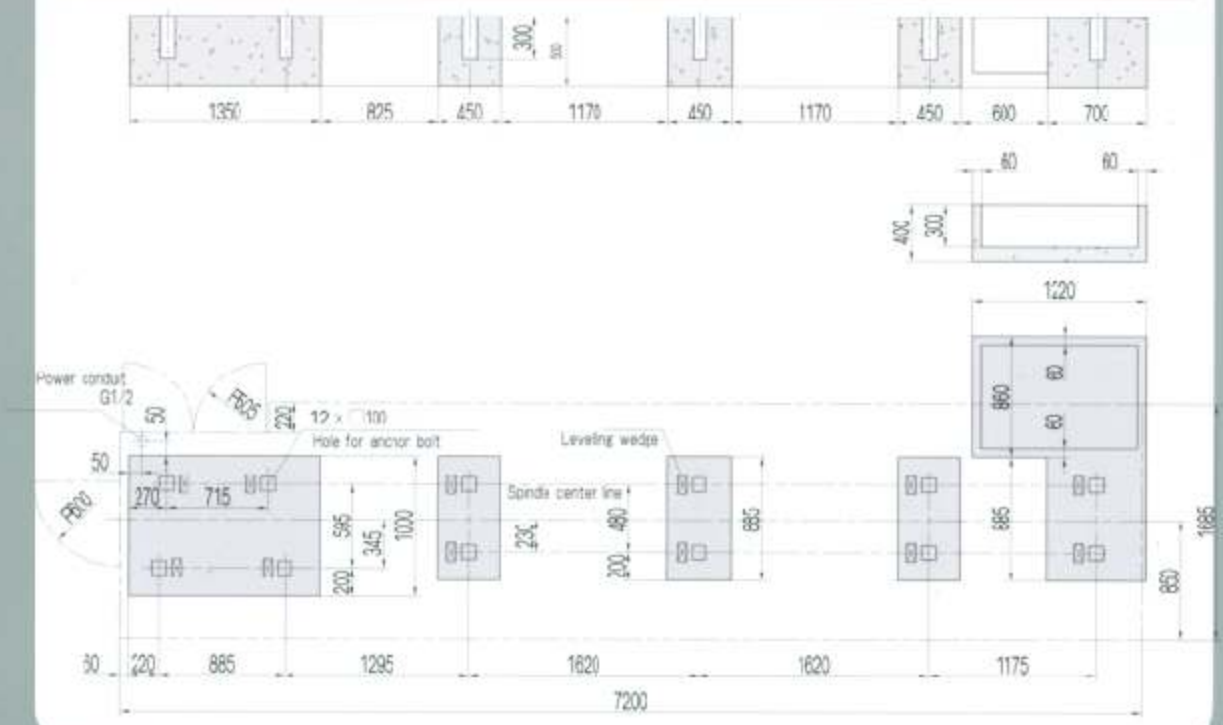
	L	L1	L2	L3	L4
2000	4075	1152	1558	695	1140
3000	5075	1302	2108	1145	1690

CKA,CKJ6163/80/94X4000

Foundation

CKA,CKJ6163/80/94X5000

Foundation



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