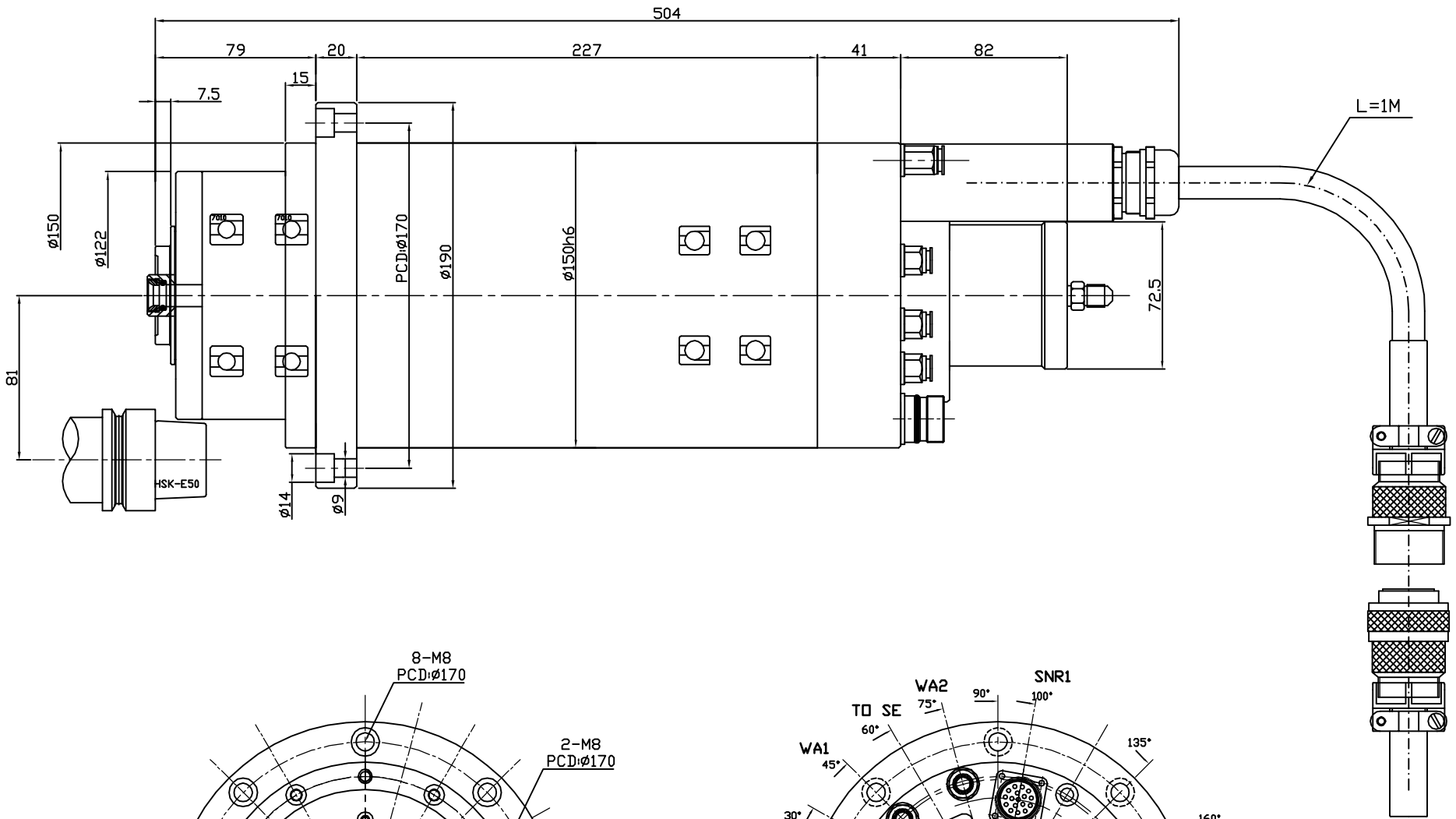
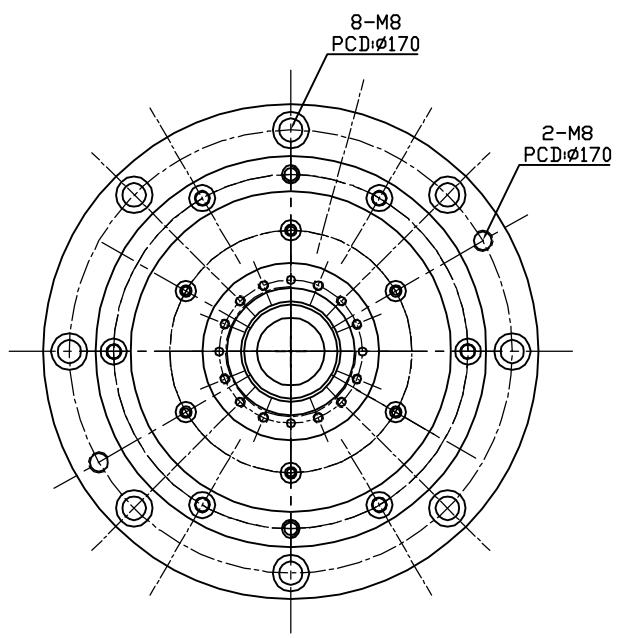
FPN:A22000000001

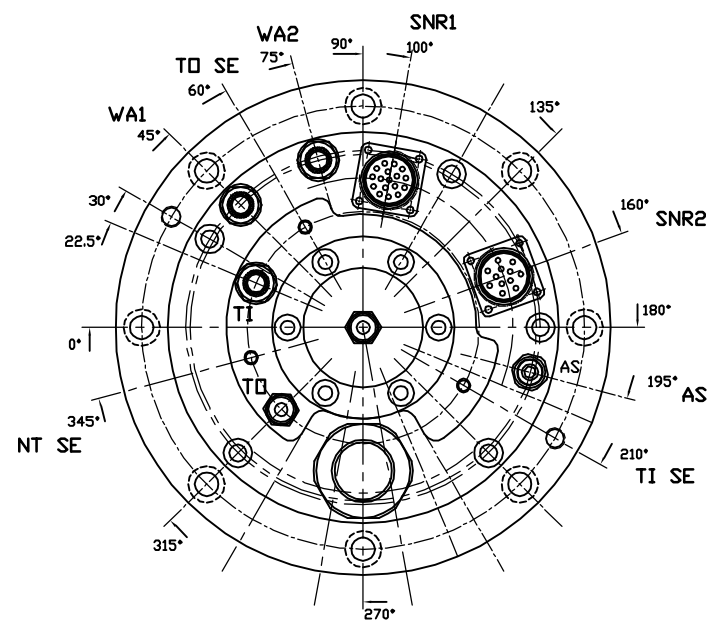
Confidential



Taper Size	HSK-E50
Speed	24000 rpm
Rotation	Right
Bearings Lubrication	Grease
Vibration Level	ISO 1940 G1
Spindle Weight	46 kg
Spindle Clamping Force	
Spindle Cooling	Liquid

WA1	Spindle cooling in <4 bar	PF1/4-ø10x7.5mm
WA2	Spindle cooling out	PF1/4-ø10x7.5mm
AS	Air Seal(Air purge) 1 bar	PT1/8-ø6mm
CL	Spindle taper cleaning 1 bar	PT1/8-ø8mm
TO	Tool out(umclamping)-Oil in	PT1/8-PF1/4W,60~100 bar,50c.c.
TI	Tool in(clamping)-Air in	PT1/8-ø8mm,5~8 bar
SNR1	Spindle CLOSED-LOOP Signal connector	17 pin
SNR2	Tool position Signal connector	12 pin
PWR	Electrical connection	

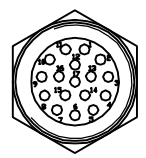




SNR1
17Pin

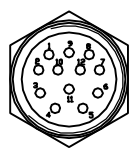
ENCODER
'LENORD+BAUER'
CODE 'GEL 2444'

1	White	Channel A+
2	Brown	Channel A-
3	Gray	Index+
4		
5		
6		
7	Blue	0V
8	Brown	KTY+
9	White	KTY-
10	Red	+5V
11	Pink	Channel B+
12	Black	Channel B-
13	Yellow	Index-
14		
15		0V Sense
16	Green	+5V Sense
17		Shield

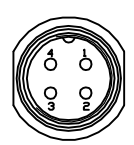


SNR2
12Pin

1	Brown	+24V
2	Blue	0V
3	Black	Tool in
4	Black	Tool out
5	Black	No tool
6	Red	TS1
7	White	TS1
8	White	TS1
9		
10		
11		
12		Shield



PWR



U	Black	A
V	Brown	B
W	Blue	C
PE	Green	D

Motor Data								
	S1-100%				S6-40%			
Voltage(V)	310	380	380		310	380	380	
Current(A)	41	35	32		53	46	42	
Frequency(Hz)	467	575	800		467	575	800	
Speed(*10^3rpm)	13.5	16.9	23.7		13.5	16.9	23.7	
Power(kW)	15	15	15		20	20	20	
Torque(Nm)	10.6	8.5	6		14.1	11.3	8	
N of poles	4							

Surface Texture Symbol		Tolerance Zone	
		Size Range	IT 12 Grade
		0~6	±0.05
▽▽▽▽	0.01a~0.2a	6~30	±0.1
▽▽▽	0.25a~1.6a	30~100	±0.15
▽▽	2.0a~6.3a	100~300	±0.2
▽	8.0a~25a	300~1000	±0.3
~	32a~125a	1000~3000	±0.5

鈔達精密股份有限公司
Theta Precision Co.Ltd

Project	Change Content	Date	Name
4			
3			
2			
1			

Drawing Number	A22010000001			Designed	James
Image Name	Spindle Confirmation Chart			Checked	Llao
Model	TH-150.0124H7D00L1			Approved	James
Material		Quantity	1	Date	18-11-27
Surface Treatment		Unit	mm	Scale	1 : 1
		Projection		Page	1 / 1
				Edition	01