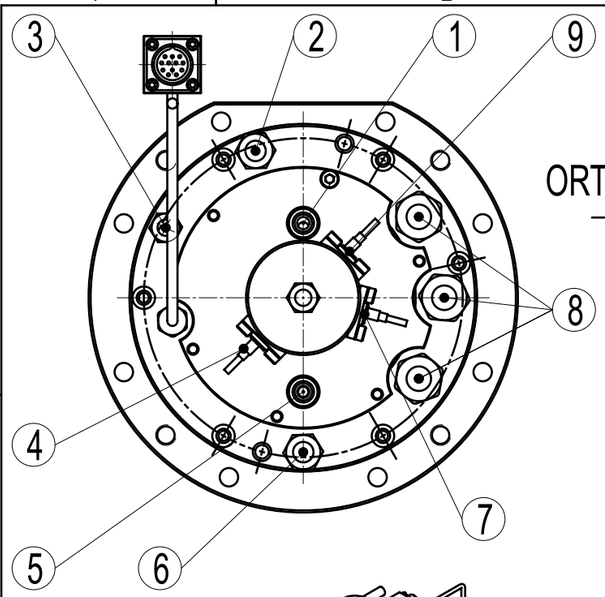
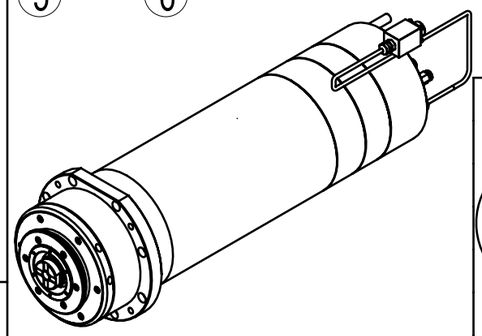
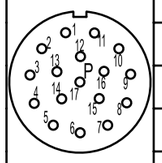
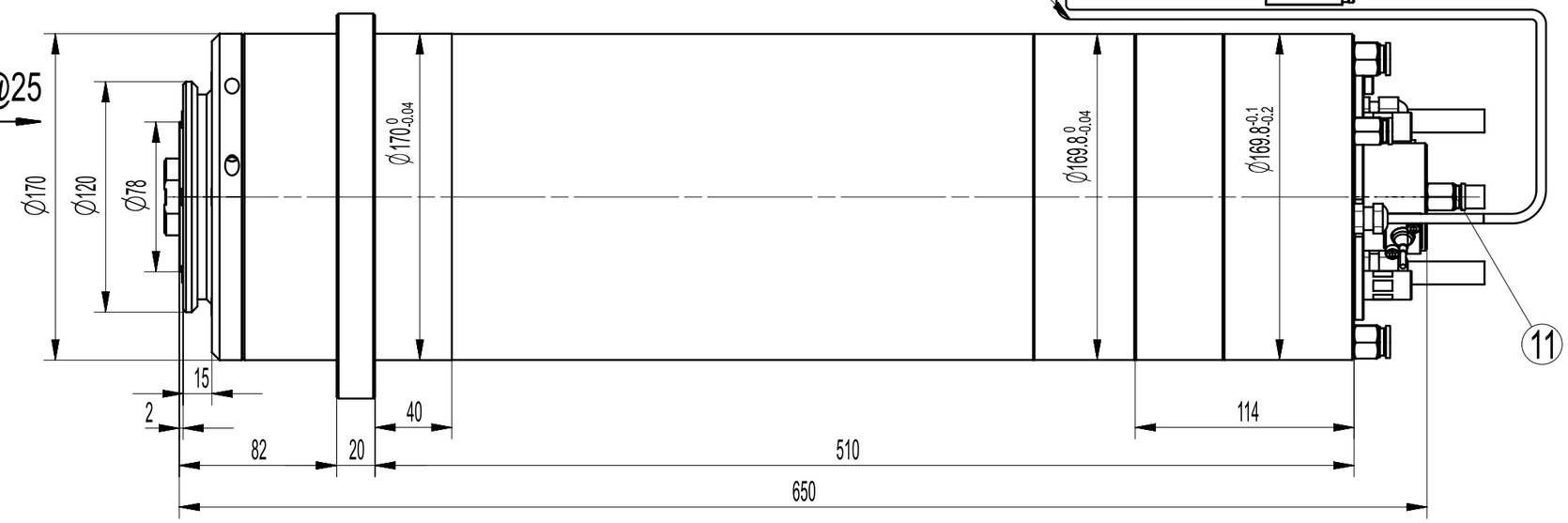




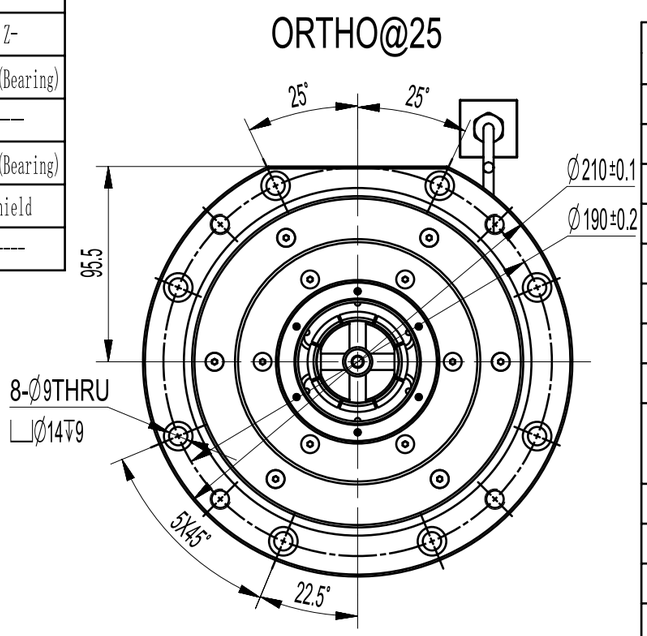


Encoder Connector					
1	A+	7	0V	13	Z-
2	A-	8	PT100(motor)	14	PT100(Bearing)
3	Z+	9	PT100(motor)	15	——
4	——	10	+5V	16	PT100(Bearing)
5	——	11	B+	17	Shield
6	——	12	B-		----

ORTHO@25



ORTHO@25



SPINDLE INFORMATION

SPEED	5000	10000	r/min
Power	52.5	52.5	kW
Voltage	314	380	V
Current	119	108	A
Frequency	250	500	Hz
Torque	100	50.5	Nm
Voltage constant	57		V/krpm,@20°C
Motor type	Synchronous	ATC	Hydraulic
lubrication	Grease	Encoder	5V input,1024 PULSE NUMBER,TTL output
Tool Interface	HSK A 80,clamping force 28000N		
Motor coolant	water,flow rate 8L/min@25°C		
Static axial stiffness	210N/μm	Static radial stiffness	420N/μm
runout of taper	≤0.002mm	runout of axial	≤0.002mm

Label Description

Label	Function	Interface	Description
1	Oil inlet	G1/4	unclamping tool,connected to gas-liquid booster or hydraulic pump,70-80bar
2	Water outlet	G1/4	Equipped with quick connector,for hose 10X8
3	air seal inlet	G1/8	Equipped with quick connector,for hose 6X4,1-1.5bar
4	Proximity sensor		PNP type Proximity switch with 2m 3 core cable,,for release tool signal
5	Oil inlet	G1/4	clamping tool,connected to pneumatic hydraulic convertor(CCT40-100,SMC,example),5bar
6	Water inlet	G1/4	Equipped with quick connector,for hose 10X8
7	Proximity sensor		PNP type Proximity switch with 2m 3 core cable,for clamping tool signal
8	Power cable		U/V/W,14m 25mm^2 cable
9	Proximity sensor		PNP type Proximity switch with 2m 3 core cable,for No tool signal
10	Encoder Connection	M23	Encoder connection with 1.4 m cable(17 PIN,including motor sensor PT100), 14m encoder extension cord
11	Cone cleaning inlet	G1/8	Equipped with quick connector,for hose 8X6

未注尺寸公差			主轴外形					
注：孔取(+)，轴取(-)			件号	名称		数量	材料	硬度	备注
尺寸/mm									
大于	至	公差							
-	6	±0.05				LYJSD	170XDJ10G50/HA80B		
6	30	±0.10							
30	120	±0.15				设计		比例	重量
120	250	±0.25				校对		1:3	99.5kg
250	500	±0.35				标准化审核			
500	1000	±0.45				工艺会签			
1000	1600	±0.55				审核			
1600	2000	±0.65	更改号	签字	日期	批准			

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