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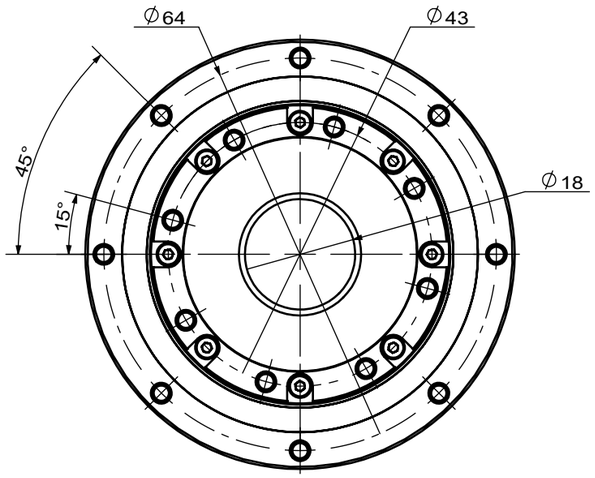

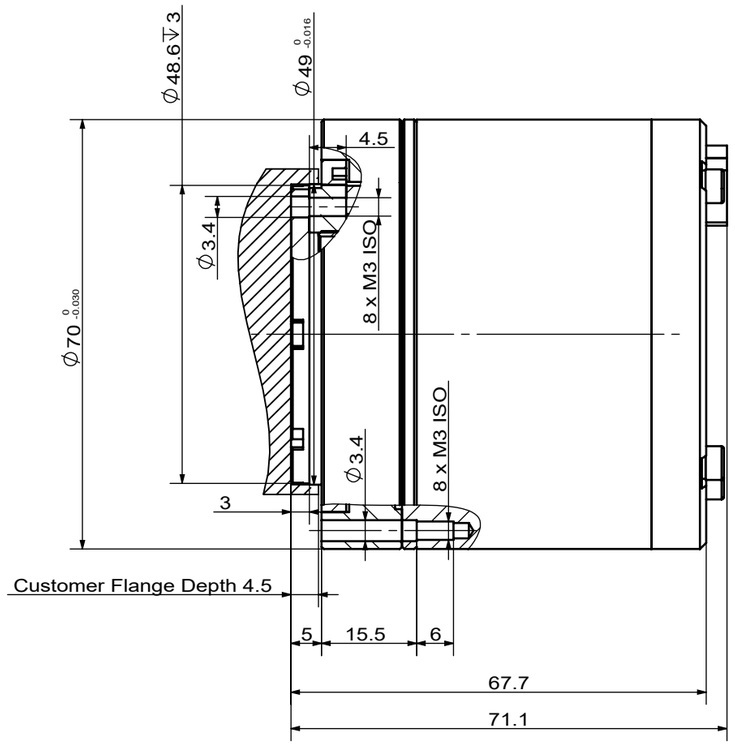

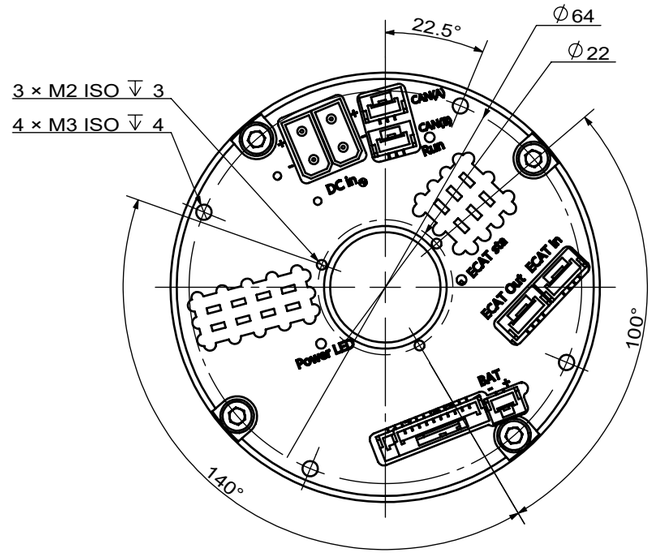

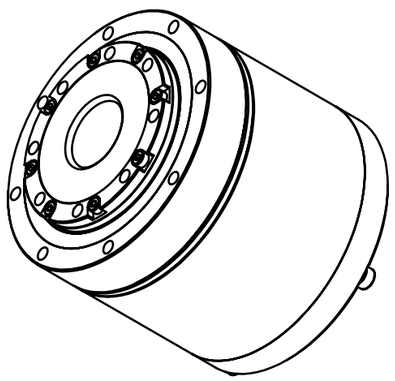

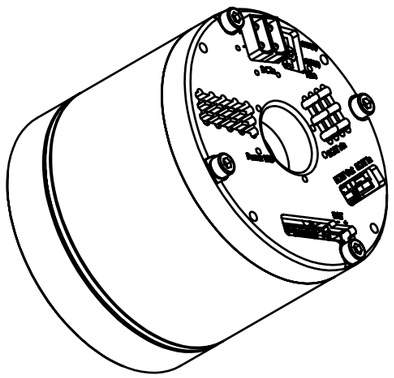

Motor parameters	
No. of poles	16
DC Link Voltage	48
Rated Power	75
Rated Torque	0.24
Rated Speed	3000
Rated Current	1.91
Maximum torque	0.72
Maximum Current	5.9
Standstill torque	0.27
Standstill current	2.15
Resistance line-line	2.59
Close circuit inductance	2.07
Voltage constant	7.24
Torque constant	0.12

Harmonic gear-ratio		14-50	14-80	14-100
Peak torque for start and stop (Nm)		12	16	19
Permissible max.value of ave.load torque(Nm)		4.8	7.7	7.7
Rated torque(Nm)		3.7	5.4	5.4
Permissible max. momentary torque(Nm)		23	35	35
Max. output rotational speed(RPM)		60	37.5	30
With brakes	Rotor inertia(g·mm^2)	46885		
	OD*Length(mm)	∅70*67.7		
	Weight(kg)	0.83		
Common parameters		Supply voltage: 48V(±10%) Inner diameter:18mm IP54 & Friction brake		
Optional device		Communication type: EtherCAT/CANopen/Modbus Output encoder resolution:19/20 Bit RP/AP:±7/±15 arc sec or ±10/±25 arc sec		

NOTE:
1. UNSPECIFIED GEOMETRIC TOLERANCE GB/T1184-H (ISO 2768-2)
2. DIMENSIONS ARE MEASURED AT 20℃

UNLESS OTHERWISE SPECIFIED: DIMENSIONS APPLY BEFORE COATINGS REMOVE ALL SHARP BURRS AND BREAK ALL SHARP EDGES	
UNSPECIFIED DIMENSIONAL TOLERANCE	
> 0.5-3	±0.1
> 3-6	±0.1
> 6-30	±0.2
> 30-120	±0.3
> 120-400	±0.5
ANGULAR TOLERANCE:±1°	

MILLIMETERS

MODEL	DRAWG NO.	QTY.	SCALE	MATERIAL	SURFACE TREATMENT
eRob 70F(WITH BRAKES)	eRob70F××I-B-XX-18EX_V3				

	NAME	DATE	SIZE	VERSION		1:1		
DRAWG			A3	MC2A.AX.XX	MATERIAL CODE			
CHECK			PERSPECTIVE		ZeroErr Control Co., Ltd			
APPROV			THIRD ANGLE					