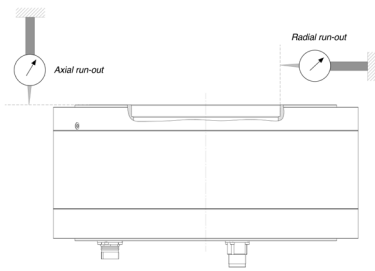
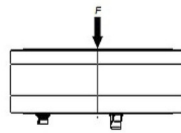


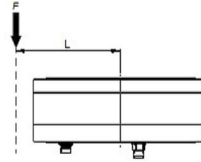
# RUNOUT AND LOAD



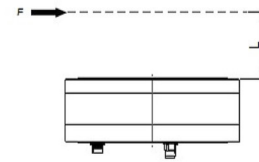
		SKA RT 148	SKA RT 245	SKA RT 335	SKA RT 430
Axial run-out	mm	0,02	0,02	0,03	0,03
Radial run-out	mm	0,03	0,03	0,04	0,04



Force: F  
Radial load:  $F_r=0$   
Thrust load:  $F_a=F$   
Tilt moment:  $M=0$



Force: F  
Radial load:  $F_r=0$   
Thrust load:  $F_a=F$   
Tilt moment:  $M=F \times L$



Force: F  
Radial load:  $F_r=F$   
Thrust load:  $F_a=0$   
Tilt moment:  $M=F \times L$

# RELUBRICATION MAINTENANCE

The relubrication interval depends on the environment and the type of application. As standard the SKA RT bearing should be relubricated every 5000 hours of operation.

The grease quantity (grams) is calculated by this formula:

$$3720 * X$$

Where X depending in which time the bearing reach 5000h of operation.

X weeks = 0.002      X months = 0.003      X annual = 0.004      X two-year or three-year = 0.005

In case of 8 hours of operation per day, we have:  $3720 * 0.005 = 19$  grams

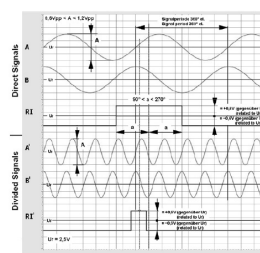
Relubrication must be applied using one of the two M6 radial holes on the front flange. The holes are closed by grub screw.

The operator must remove the grain, and apply a M6 Grease nipple (not provided). Once the grease is applied, the grease nipple must be removed, and the hole must be close again with M6 grub screw.

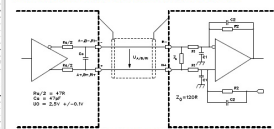
# FEEDBACK SPECIFICATIONS

INCREMENTAL ENCODER	Motor size	148	245	335	430	
	Nominal voltage	Vdc		4 to 7		
	Nominal current @5Vdc (without load)	mA		≤ 220		
	Maximum frequency	kHz		400		
	Output signal	Sine 1 Vpp				
	Zero impulse	pulse/turn	1			
	N° of periods per revolution	periods/rev	8192	16384	23040	32768
	Accuracy	arc sec	11	5,5	4	3
	Resolution	cpr	Function of interpolator			

Output signals sine, 1Vpp



Recommended configuration of the subsequent electronics



A, B, RI: direct signal output without dividing factor

A', B', RI': divided signal output

ABSOLUTE Endat ENCODER	Motor size	148	245	335	430	
	Nominal voltage	Vdc		3,6 to 14		
	Nominal current @5Vdc	mA		300		
	Maximum frequency	MHz		16		
	Absolute interface	Endat 2.2 22				
	Number of bits (singleturn)		22	23	23	24
	Absolute resolution per revolution	increments/rev	4.194.304	8.388.608	8.388.608	16.777.216
	Accuracy	arc sec	3	1,5	1	1