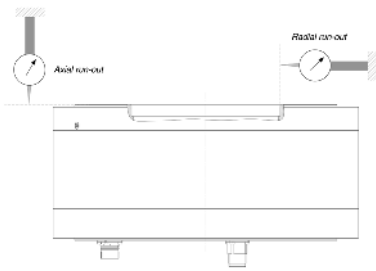


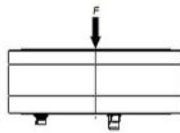
RUNOUT AND LOAD



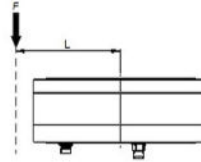
Axial run-out mm
Radial run-out mm

SKA RT 148 **SKA RT 245** **SKA RT 335** **SKA RT 430**

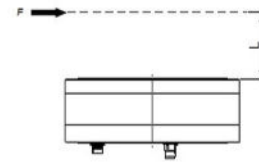
0,02	0,02	0,03	0,03
0,03	0,03	0,04	0,04



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

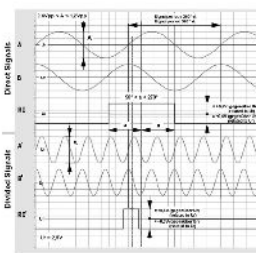
Relubrication must be applied using one of the two M6 radial holes on the front flange. The holes are closed by grub screw.

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.

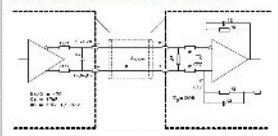
FEEDBACK SPECIFICATIONS

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



Block diagram of configuration of the absolute encoder electronics



A: V; B: divided signal output without dividing factor

A: B: R: absolute 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