

# Alfa Radio Ltd.

11511 - 154 St., Edmonton, Alberta, Canada T5M 1X8  
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Specifications: AlfaSpid RAK Azimuth Rotator	RAK @ 12V	RAK @ 18V	RAK @ 24V
Turning torque in lbs / N m	1,400 in lb / 158 N m	1,800 in lb / 203 N m	3,240 in lb / 366 N m
Brake torque in lbs / N m	14,000 in lb / 1,582 N m	14,000 in lb / 1,582 N m	14,000 in lb / 1,582 N m
Brake Construction	Double Worm Gears	Double Worm Gears	Double Worm Gears
Vertical Load lbs / Kg	550 lbs / 250 Kg	550 lbs / 250 Kg	550 lbs / 250 Kg
Rotation Speed (360 Deg)	120 sec	90 sec	60 sec
Precision	1 deg	1 deg	1 deg
Rotation Range	720 deg	720 deg	720 deg
Weight lbs / Mass Kg	16 lbs / 7 Kg	16 lbs / 7 Kg	16 lbs / 7 Kg
Position Sensor	Reed Switch	Reed switch	Reed Switch
Mast size top / bottom – in / mm	2.0 / 2.6 in, 50 / 66 mm	2.0 / 2.6 in, 50 / 66 mm	2.0 / 2.6 in, 50 / 66 mm

Specifications: AlfaSpid BIG RAK Azimuth Rotator	BIG RAK @ 12V	BIG RAK @ 18V	BIG RAK @ 24V
Turning torque in lbs / N m	>5,000 in lb / 565 N m	>8,000 in lb / 904 N m	Contact AlfaRadio
Brake Torque in lbs / N m	24,000 in lb / 2,712 N m	24,000 in lb / 2,712 N m	24,000 in lb / 2,712 N m
Brake Construction	Double Worm Gears	Double Worm Gears	Double Worm Gears
Vertical Load lbs / Kg	>700 lbs / 318 Kg	>700 lbs / 318 Kg	>700 lbs / 318 Kg
Rotation Speed (360 Deg)	120 sec	90 sec	60 sec
Precision	1 / 0.5 deg	1 / 0.5 deg	1 / 0.5 deg
Rotation Range	720 deg	720 deg	720 deg
Weight lbs / Mass Kg	24 lbs / 11 kg	24 lbs / 11 kg	24 lbs / 11 kg
Position Sensor	Reed Switch	Reed switch	Reed Switch
Mast size top / bottom – in / mm	2.6 / 2.6 in, 66 / 66 mm	2.6 / 2.6 in, 66 / 66 mm	2.6 / 2.6 in, 66 / 66 mm

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Specifications: AlfaSpid RAS Azimuth and Elevation Rotators	RAS @ 12V	RAS @ 18V	RAS @ 24V
Turning torque in lbs / N m	1,400 in lb / 158 N m	1,800 in lb / 203 N m	3,240 in lb / 366 N m
Brake torque in lbs / N m	14,000 in lb / 1582 N m	14,000 in lb / 1582 N m	14,000 in lb / 1582 N m
Brake Construction	Double Worm Gears	Double Worm Gears	Double Worm Gears
Vertical Load lbs / Kg	550 lbs / 250 Kg	550 lbs / 250 Kg	550 lbs / 250 Kg
Rotation Speed (360 Deg)	120 sec	90 sec	60 sec
Precision	1 deg	1 deg	1 deg
Rotation Range Az / El	360 / 180 deg	360 / 180 deg	360 / 180 deg
Weight lbs / Mass Kg	29 lbs / 13 Kg	29 lbs / 13 Kg	29 lbs / 13 Kg
Mast size inches / mm Bottom	2.6 in / 66 mm	2.6 in / 66 mm	2.6 in / 66 mm
Mast size inches / mm Elevation	2.0 in / 50 mm	2.0 in / 50 mm	2.0 in / 50 mm

Specifications: AlfaSpid BIG RAS Azimuth and Elevation Rotator	BIG RAS @ 12V	BIG RAS @ 18V	BIG RAS @ 24V
Turning torque in-lbs/ N m	>5,000 in lb / 565 N m	>8,000 in lb / 904 N M	Contact AlfaRadio
Brake Torque in lbs/ N m	24,000 in lb / 2,712 N m	24,000 in lb / 2,712 N m	24,000 in lb / 2,712 N m
Brake Construction	Double Worm Gears	Double Worm Gears	Double Worm Gears
Vertical Load lbs / Kg	>700 lbs / 318 Kg	>700 lbs / 318 Kg	>700 lbs / 318 Kg
Rotation Speed (360 Deg)	120 sec	90 sec	60 sec
Precision	1 / 0.5 deg	1 / 0.5 deg	1 / 0.5 deg
Rotation Range Az / El	360 / 180 deg	360 / 180 deg	360 / 180 deg
Weight lbs / Mass Kg	44 lbs / 20 Kg	44 lbs / 20 Kg	44 lbs / 20 Kg
Position Sensor	Reed Switch	Reed switch	Reed Switch
Mast size inches / mm Bottom mount	2.6 in / 66 mm	2.6 in / 66 mm	2.6 in / 66 mm
Mast size inches / mm Elevation	2.0 in / 50 mm	2.0 in / 50 mm	2.0 in / 50 mm