

# Antenna Rotators

## BIG ROTATORS FOR BIG ANTENNAS!!!

GIOVANNINI ROTATORS KNOW NO OBSTACLES, even in the heaviest ice and torsion conditions deriving from the antenna system. Furthermore they need no mechanical or electrical brake considering that, when the rotator stops, the system is self-locking.

Giovannini rotators are supplied with elastic ROTEX joint.

The elastic ROTEX joints permit a correct mechanical coupling of the rotator with the mast, so compensating for unavoidable, axial, radial and angular moving of them both. FURTHERMORE THEY ABSORB EXCELLENTLY VERY VIOLENT IMPACTS CAUSED BY WIND GUSTS, ROTATION START OR REVERSAL AND BRAKING, SO PREVENTING UNAVOIDABLE BREAKS TO THE MECHANICAL PARTS ON MOTION.

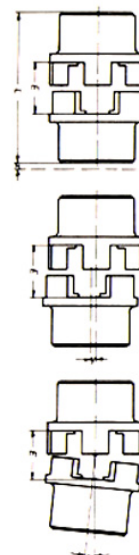
SPECIFICATIONS		MODEL	GE 1500/T	GE 2500/T	GE 4000/T	GE 6000/T	GE 8000/T
Antenna Wind load area	max.	m <sup>2</sup>	4	10	16	26	38
		ft <sup>2</sup>	43.05	107.64	172.22	279.86	409.02
Axial load		Kg	1500	2500	4000	6000	8000
		Lbs	3,307	5,512	8,819	13,228	17,637
Rotating torque		kg/cm	21,000	55,000	84,000	136,000	380,000
		kg/m	21	55	84	136	380
		Nm	210	550	840	1,360	3,800
		in/lbs	18,227	47,738	72,908	118,043	329,826
Braking Torque		kg/cm	33,600	82,500	117,600	183,600	494,000
		kg/m	33.6	82.5	117.6	183.6	494
		Nm	336	825	1,176	1,836	4,940
		in/lbs	29,163	71,607	102,072	159,358	428,773
Starting Torque		kg/cm	22,700	59,400	90,700	156,400	437,000
		kg/m	22.7	59.4	90.7	156.4	437
		Nm	227	594	907	1,564	4,370
		in/lbs	19,703	51,557	78,724	135,749	379,299
Electric motor		W	120	120	180	370	750
		V ac	220	220	220	220	220
Control box input voltage			220Vac or 115V ac	220Vac or 115V ac	220Vac or 115V ac	220Vac or 115V ac	220Vac or 115V ac
Gear			<a href="#">Double worm gear</a>	<a href="#">Double worm gear</a>	<a href="#">Double worm gear</a>	<a href="#">Double worm gear</a>	<a href="#">Double worm gear</a>
Brake Type			Double worm	Double worm	Double worm	Double worm	Double worm
Rotor coupling			FLANGE	FLANGE	FLANGE	FLANGE	FLANGE
Rotation angle			360°	360°	360°	360°	360°
Rotation time for 360° (seconds)			120	120	120	180	180
Read out			Digital or analog	Digital or analog	Digital or analog	Digital or analog	Digital or analog
Multiwire cable: No. of wires			10	10	10	10	10
Net weight (rotator unit)		kg	23	43	65	88	125
		lbs	50.70	94.79	143.30	194	275.57
Shipping Weight		kg	31	50	84	160	218
		lbs	68.34	110.23	185.18	352.73	480.60
Shipping measures		cm	50 x 50 x 50	60 x 50 x 50	80 x 40 x 60	100 x 80 x 80	100 x 80 x 80
		in	19.68x19.68x19.68	23.62x19.68x19.68	31.49x15.74x23.62	39.37x31.49x31.49	39.37x31.49x31.49

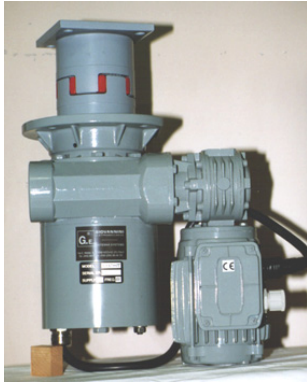


Double worm gear

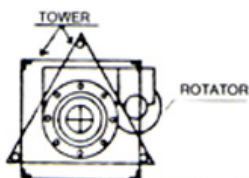
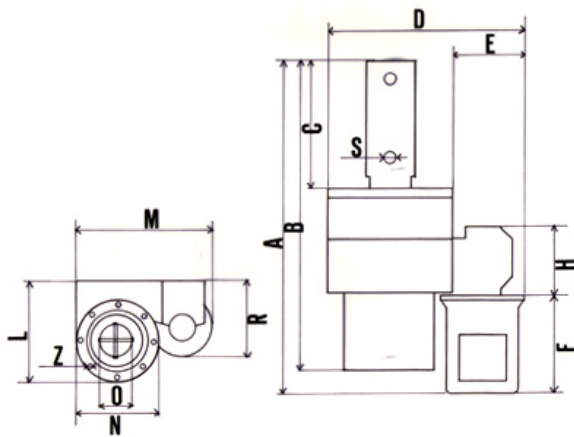




Rotex joint





Analogic or digital control unit for all models.  
Digital and computer interface with program available.



	GE1000/T	GE1500/T	GE2500/T
 L ≥ mm	230	330	400
 L ≥ mm	200	260	310

		GE 1500/T	GE 2500/T	GE 4000/T	GE 6000/T	GE 8000/T
A	mm	500	580	640	700	820
	in	19.68	22.83	25.19	27.55	32.28
B	mm	430	500	-	-	-
	in	16.92	19.68	-	-	-
C	mm	190	200	200	250	250
	in	7.48	7.87	7.87	9.84	9.84
D	mm	285	330	400	460	540
	in	11.22	12.99	15.74	18.11	21.25
E	mm	120	120	-	-	-
	in	4.72	4.72	-	-	-
F	mm	155	170	170	200	220
	in	6.10	6.69	6.69	7.87	8.66
H	mm	120	120	-	-	-
	in	4.72	4.72	-	-	-
L	mm	190	245	330	380	440
	in	7.48	9.64	12.99	14.96	17.32
M	mm	285	335	400	450	500
	in	11.22	13.18	15.74	17.71	19.68
N	mm	180	210	280	320	350
	in	7.08	8.26	11.02	12.59	13.77
O	mm	57	70	-	-	-
	in	2.24	2.75	-	-	-
R	mm	160	175	-	-	-
	in	6.29	6.88	-	-	-
S	mm	10	12	-	-	-
	in	0.39	0.47	-	-	-
Z	mm	10	12	12	12	12
	in	0.39	0.47	0.47	0.47	0.47

Specifications subject to change without notice.