

# TOWERS&MASTS

## Triangular guyed tower, SR5 type.



Our tower-structures are wholly of steel, modular and hot-galvanized. Bolted construction is used throughout the tower for a couple of good reasons. Mainly this gives the owner the choice of having the tower shipped unassembled (knocked-down) in kit form, and also offers the ability to replace tower components in the field with just a wrench, should a structural member ever become damaged. Shipping in kit form can also save a bit on freight costs to the delivery point. Tower sections are connected together with 24 bolts per connection, using steel splice plates on both the outside and inside of each leg intersection, forming an extremely strong and positive joint. Some radio-antennas, fixed or rotative, can be placed at the structure top by special supports. In case of rotative antennas, special supports can be inserted in the inside of the last module to fasten rotators of our production and all the others present on the market. Furthermore the mast can be locked by a thrust-holder bearing support and guided by supports having nylon bushings.



Triangular bolted section SR5



Tower legs



This shot clearly details a typical section joint in our towers. Steel plates are used on both the outside and inside of each joint, offering maximum strength.

TECHNICAL CHARACTERISTICS:	GE/SR5 model
TYPE	triangular bolted section
MODULE HEIGHT m (ft)	2 (6.6)
SECTION	TRIANGULAR
SIDE cm (in)	50 (19.7)
MODULE WEIGHT kg (lbs)	36 (79.4)
NUMBER OF M12X30 JUNCTION BOLTS	24
CM <sup>2</sup> RESISTING MOMENT	77
AVAILABLE MOMENT kgm (highest module)	350
MAXIMUM VERTICAL THRUST kg (lbs) (highest module)	450 (992)
MAXIMUM TRACTION ON guy rope kg (lbs)	450 (992)
CM <sup>2</sup> DIAGONALS	6.70
CM <sup>2</sup> VERTICAL angulars	10.62
DISTANCE OF GUY-ROPE m (ft)	6 (*4) - 19.7 (*13.2)
DISPOSITION OF GUY-ROPE	120°
INCLINATION OF GUY-ROPE	60°
WEIGHT OF BASEMENT kg (lbs)	3,000 (6,614)

(\*) = VERY WINDY AREAS

TRIANGULAR TOWER & ACCESSORIES:	
Mod.	TYPE
GE/SR5	TRIANGULAR MUDULE 2 meters ( 6.6 ft )
BCSR5	BASE FOR CONCRETE
BTSR5	TERRACE BASE
BCTSR5	TRANSPORTABLE BASE
SMSR5	WALL BRACKET
SCSR5	TOWER BRACKET FOR FIXING GUY ROPE
PAI/SR5	GIN POLE
FRSR5/100	ROTATOR PLATE ( Central hole 100,5 mm )
FRSR5/S	ROTATOR PLATE ( without central hole )
FBSR5/60	PLATE WITH 60 mm BUSHING
FBSR5/S	PLATE WITH BUSHING on request
FCSR5/60	60 mm THRUST BEARING PLATE
FCSR5/S	THRUST BEARING PLATE on request
SMT	GUY ANCHOR FOR CONCRETE
SMF	GUY ANCHOR FOR WALL OR TERRACE

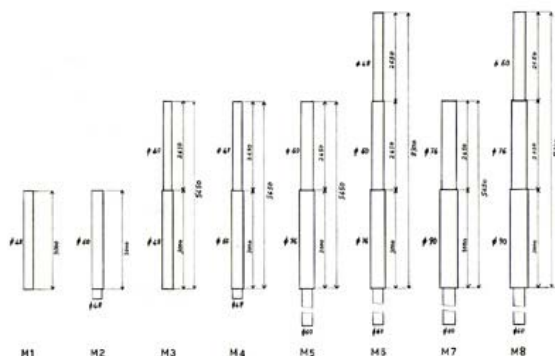
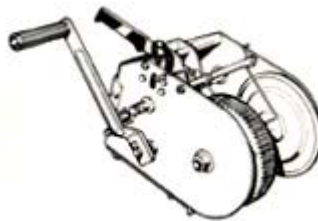
## SR5 Triangular guyed towers with carriage.

MODEL	HEIGHT m	TOWER TYPE
TC6/SR5/M	6	GE/SR5
TC8/SR5/M	8	GE/SR5
TC10/SR5/M	10	GE/SR5
TC12/SR5/M	12	GE/SR5
TC14/SR5/M	14	GE/SR5
TC16/SR5/M	16	GE/SR5
TC18/SR5/M	18	GE/SR5
TC20/SR5/M	20	GE/SR5

The antennas and the rotator are fixed on the carriage at about 1.5 m from ground, roof or terrace in all quietness, comfort and work safety. When the operations are over, the carriage with antennas assembled is lifted up to the tower top with a system of sheaves and manual winch. It is clear that, for any type of maintenance, repair or tests, you need only to activate the winch in order to take the carriage with antennas and rotator to the tower base, to intervene where necessary and to lift again the whole.



MOD.	ACCESSORIES
BCSR5	BASE FOR CONCRETE
BTSR5	TERRACE BASE
BCTSR5	TRANSPORTABLE BASE
SMSR5	WALL BRACKET
SCSR5	TOWER BRACKET FOR FIXING GUY ROPE
PAI/SR5	GIN POLE
FRTC/100	ROTATOR PLATE ( Central hole 100,5 mm )
FRTC/S	ROTATOR PLATE ( without central hole )
FBTC/60	PLATE WITH 60 mm BUSHING
FBTC/S	PLATE WITH BUSHING on request
FCTC/60	60 mm THRUST BEARING PLATE
FCTC/S	THRUST BEARING PLATE on request
12AF	MANUAL WINCH , CAPACITY: 490 kg
30AF	MANUAL WINCH , CAPACITY : 1419 kg , 3 speeds
VE/600	230 v ELECTRICAL WINCH, CAPACITY: 600 kg
VE/600/EP	ELECTRIC PANEL FOR VE/600
TCKIT	CARRIAGE FOR GE/SR5
SMT	GUY ANCHOR FOR CONCRETE
SMF	GUY ANCHOR FOR WALL OR TERRACE



MOD.	TAPERED MASTS mm
M1	Ø 48 X 3000
M2	Ø 60 X 3000
M3	Ø 48 + Ø 40 X 5650
M4	Ø 60 + Ø 48 X 5650
M5	Ø 76 + Ø 60 X 5650
M6	Ø 76 + Ø 60 + Ø 48 X 8300
M7	Ø 90 + Ø 76 X 5650
M8	Ø 90 + Ø 76 + Ø 60 X 8300
M9	CONSTRUCTION TO MEASURE
MR1	Ø 48 REDUCTION ON ROTOR SIDE