## TOWERS&MASTS

# Triangular guyed tower, SR5 type.

Ourtower-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 productionand 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 |
| $CM^2$ 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) |
| $CM^2$ DIAGONALS | 6.70 |
| $CM^2$ 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 | |

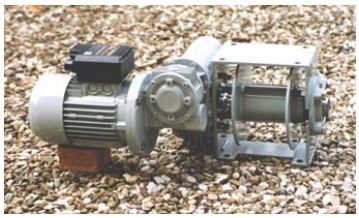
| TRIANGULAR TOWER & ACCESSORIES: | |
|---|---|
| Mod. | TYPE |
| GE/SR5 | TRIANGULAR MUDULE 2 meters ( 6.6 ft ) |
| BCSR5 | BASE FOR CONCRETE |
| BTSR5 | TERRACE BASE |
| BCTSR5 | TRANSPORTABLE BASE |
| SMSR5 | WALL BRACKET |
| SCSR5 | TOWER BRACKET FOR FIXING GUY ROPE |
| PAI/SR5 | GIN POLE |
| FRSR5/100 | 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 |

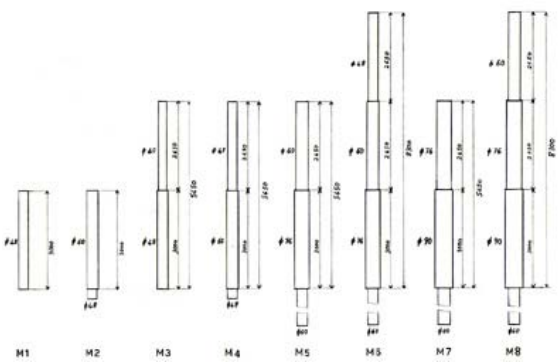
## SR5 Triangular guyed towers with carriage.

| 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 |

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