

SPECIFICATIONS

Description	Boom type	Sensor mounting boom for Second Wind sensors on Shah Energy Inc., high Towers 6.5" or 8.5" pipes diameter
	Applications	Wind resource assessment; for mounting second wind C3/C3C anemometer or PV1 wind direction vane on Shah Energy Inc., high Towers
	Sensor compatibility	<ul style="list-style-type: none"> Second Wind C3 or C3C anemometer Second Wind PV1 wind direction vane
	Tower compatibility	Shah Energy Inc., high Towers with 6.5" or 8.5" diameter piping sections.
Installation	Mounting	<ul style="list-style-type: none"> Mounting bracket attaches to tower with three heavy-duty, stainless steel hose clamps Sensor mounts to boom with set screw and cotter pin
	Tools required	<ul style="list-style-type: none"> 5/16 inch hex driver or flat blade (-) screwdriver for hose clamps Phillips head (+) screwdriver to mount sensor
	Recommended for installation	<ul style="list-style-type: none"> Electric drill with 5/16 nut driver bit for tightening hose clamps Sheet metal shears or similar for trimming hose clamps
Environmental	Lifespan	2 years +
Physical	Weight	4.0 kg (8 lbs)
	Boom diameter	13mm (0.5inch) dual beam support at mounting bracket location Extruded Aluminum holding block at juncture of dual beams & sensor holding pipe. 12.7 mm (0.50 inch) at sensor mount location
	Offset distance	2400mm (95 inches)
	Offset height	260mm (10.25 inches)
Materials	Boom	13 mm (0.5 inch) steel tube, galvanized as an end process.
	Mounting bracket	MS Galvanized.
Shipping	Shipping weight	3.8 kg (8.4 lbs) for one boom in one box

Note: 1. Horizontal offset value, 'D' refers to diameter of the tube tower. Per IEC 61400-12-1 horizontal mast offset is defined as the boom distance from the center of a tubular mast divided by the mast diameter (R/d).

2. Vertical offset value, 'd' refers to the diameter of the mounting boom tube directly below the sensor. Per IEC 61400-12-1 vertical boom offset is defined as the distance from top of the mounting boom tube to the centerline of anemometer cup rotor.