



## HIGH MAST SPECIFICATION

**DIMENSION OF STANDARD SUP POLYGONAL HIGH MAST For Maximum Wind Speed of 180km/hr**  
For Maximum Wind Speed of 180km/hr

Type	Total Height mm	No.	Segment Details		Sides	Top face to face inside mm	Bottom face to face inside mm	Circular base plate O.D.xThick mm	P.C.D of Bolt mm	Size of Bolt mm	No. of Bolt	Door Opening mm	Winch	SWL Cap kg	No.Fitting	Dia of Rope mm
			Length mm	Thickness mm												
OPE 12.5	12500	2	6500	3,3	12	150	340	540X20	440	M 30X900	6	225X900	2 Drums	500	6	6
OPE 12.5A	12500	2	6500	4,3	12	150	360	540X20	440	M 30X900	6	225X900	2 Drums	500	8	6
OPE 12.5B	12500	2	6550	4,4	12	100	267	475X18	375	M 24X900	6	200x1000	1 Drum	500	6	6
OPE 16	16000	3	5675	5,4,4	20	200	365	575X25	461	M 24X1200	8	300x1400	2 Drums	750	9,12	6
OPE 18	18000	3	6400	5,4,4	20	200	440	690X32	570	M 32X1375	6	300x1400	2 Drums	750	9,12	6
OPE 20	20000	3	7115	5,4,4	20	200	450	725X32	600	M 32X1400	8	300x1400	2 Drums	750	9,12	6
OPE 24	24000	3	8500	5,4,4	20	200	515	725X32	617	M 28X1400	12	300x1400	2 Drums	750	9,12	6
OPE 25	25000	3	9000	5,4,4	20	200	550	760X32	650	M 32X1200	12	300x1400	2 Drums	750	9,12	6
OPE 25A	25000	3	8900/8800/8500	5,4,4	20	150	500	700X30	660	M 30X1000	12	300x1200	2 Drums	750	6	6
OPE 30	30000	3	10700	5,4,4	20	200	665	875X32	775	M 32X1200	12	300x1400	2 Drums	750	9,12	6
OPE 30A	30000	3	10650/10650/10600	8,4,4	20	200	775	975X39	875	M 32X1500	20	300x1400	2 Drums	750	12	6
OPE 30B	30000	3	10550	5,4,4	20	150	600	840X32	740	M 32X1200	16	300x1400	2 Drums	750	9,12	6
OPE 36	36000	4	9850	6,5,4,4	20	200	763	975X32	875	M 39X1400	12	300x1400	2 Drums	750	9,12	6
OPE 40	40000	4	11000	8,6,4	20	200	780	985X32	890	M 39X1400	20	300x1400	2 Drums	750	9,12,15	6

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Type	Total Height mm	No.	Segment Details		Sides	Top face to face inside mm	Bottom face to face inside mm	Circular base plate O.D.xThick mm	P.C.D of Bolt mm	Size of Bolt mm	No. of Bolt	Door Opening mm	Winch	SWL Cap kg	No.Fitting	Dia of Rope mm
			Length mm	Thickness mm												
OPE 12.5	12500	2	6625	3,3	12	150	305	550*18	425	M 18*750	6	200x1000	1 Drum	500	6	6
OPE 16	16000	3	5800	5,3,3	20	150	360	605*20	485	M 20*900	8	300x1400	2 Drums	750	9,12	6
OPE 16A	16000	2	8375	4,3	20	150	356	540x25	460	M 25*900	8	300x1000	2 Drums	750	6,8	6
OPE 16B	16000	2	8350	4,3	20	150	450	650x30	550	M 25*750	8	300x1000	2 Drums	750	6,8	6
OPE 18	18000	2	9375	4,3	20	150	450	690*25	584	M 30*900	8	300x1400	2 Drums	750	9,12	6
OPE 18A	18000	3	6400	5,4,3	20	150	400	650*25	527	M 20*900	8	300x1400	2 Drums	750	9,12	6
OPE 20	20000	3	7300	5,4,3	20	150	440	690*25	570	M 20*1200	12	300x1400	2 Drums	750	9,12	6
OPE 20A	20000	2	10375	4,3	20	150	450	670*25	590	M 25*1200	12	300x1200	2 Drums	750	9,12	6
OPE 24	24000	3	8500	5,5,3	20	200	475	720*25	600	M 24*1200	12	300x1400	2 Drums	750	9,12	6
OPE 25	25000	3	9000	5,5,3	20	200	490	740*25	620	M 24*1200	12	300x1400	2 Drums	750	9,12	6
OPE 30	30000	3	10800	5,4,4	20	200	615	860*25	740	M 20*1200	20	300x1400	2 Drums	750	9,12	6
OPE 36	36000	4	9850	6,5,4,4	20	200	640	840x32	740	M 24*1200	20	300x1400	2 Drums	750	9,12	6
OPE 40	40000	4	11000	6,5,4,4	20	200	700	900x30	800	M 32*1200	20	300x1400	2 Drums	750	9,12,15	6

<b>Material for H/M Section:</b>	Hot Rolled M.S.Plate/Strip as per IS 5986/BESN-10025/Equivalent, Minimum Yield Strength is 355 Mpa & Minimum Ultimate Strength is 510 with Maximum Sulphur and Phosphorous percentage of 0.05
<b>Material for Base Plat:</b>	Hot Rolled M.S.Plate as per IS 2062.
<b>Foundation Bolt</b>	High Tensile Steel having UTS of 510 Mpa minimum.
<b>Wire Rope</b>	S/S Wire rope having 7/19 construction with a grade if AISI 316
<b>Metal Protection</b>	Hot Dip Galvanized coating on both internal & external surface and throughout the length.
	Maximum coating thickness is 86 microns i.e above 600gm/m as per IS 4759.

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