

Technical Specification of **HIGHMAST** poles

Specification of Standard High Mast

**DIMENSION OF STANDARD SLIP JOINT POLYGONAL HIGH MAST
FOR MAXIMUM WIND SPEED OF 39 m/s (140 Km/h)
Series Low (L)**

Type	Total Height	Segment Details				Top Face to Face Inside	Bottom Face to Face Inside	Circular Base Plate OD X Thk.	P.C.D of Bolt	Size of Bolt	No. of Bolt	Door Opening	Winch	SWL Cap	No. of Fitting	Dia of Rope
		No.	Length	Thick	Sides											
VLHM-L 12	12000	2	6375	3.3	8	100	300	540x16	425	M16x750	6	200x1000	1 Drum	500kg	6	6mm
VLHM-L 15	15000	2	8000	3.5,3	20	100	340	575x18	460	M18x900	8	300x1400	2 Drum	750kg	9	6mm
VLHM-L 16	16000	2	8550	3.5,3	20	100	359	605x18	485	M18x900	8	300x1400	2 Drum	750kg	9	6mm
VLHM-L 20	20000	3	7250	3.5,3.5,3	20	150	420	670x20	550	M18x1200	12	300x1400	2 Drum	750kg	9,12	6mm
VLHM-L 25	25000	3	9000	5.3,5.3	20	200	455	705x25	485	M20x1200	12	300x1400	2 Drum	750kg	9,12	6mm
VLHM-L 30	30000	3	10700	5.4,3	20	200	540	790x20	670	M18x1200	20	300x1400	2 Drum	750kg	9,12	6mm
VLHM-L 40	40000	4	11000	6.5,4.3	20	200	700	900x30	800	M32x1200	20	300x1400	2 Drum	750kg	9,12,15	6mm

**DIMENSION OF STANDARD SLIP JOINT POLYGONAL HIGH MAST
FOR MAXIMUM WIND SPEED OF 44 m/s (158 Km/h)
Series Medium (M)**

Type	Total Height	Segment Details				Top Face to Face Inside	Bottom Face to Face Inside	Circular Base Plate OD X Thk.	P.C.D of Bolt	Size of Bolt	No. of Bolt	Door Opening	Winch	SWL Cap	No. of Fitting	Dia of Rope
		No.	Length	Thick	Sides											
VLHM-M 12	12000	2	6375	3.3	8	150	300	545x18	425	M18x750	6	200x1000	1 Drum	500kg	6	6mm
VLHM-M 15	15000	2	8000	3.5,3	20	150	340	575x20	460	M18x900	8	300x1400	2 Drum	750kg	9	6mm
VLHM-M 16	16000	3	5800	3.5,3.3	20	150	360	605x20	485	M20x900	8	300x1400	2 Drum	750kg	9	6mm
VLHM-M 18	1800	3	6400	4.3,5.3	20	150	440	690x25	525	M20x900	12	300x1400	2 Drum	750kg	9,12	6mm
VLHM-M 20	20000	3	7300	4.3,5.3	20	150	440	690x25	570	M20x1200	12	300x1400	2 Drum	750kg	9,12	6mm
VLHM-M 25	25000	3	9000	5.3,5.3	20	200	490	740x25	620	M24x1200	12	300x1400	2 Drum	750kg	9,12	6mm
VLHM-M 30	30000	3	10800	5.4,3	20	200	615	860x25	740	M20x1200	20	300x1400	2 Drum	750kg	9,12	6mm
VLHM-M 40	40000	4	11000	6.5,4.4	20	200	700	900x30	800	M32x1200	20	300x1400	2 Drum	750kg	9,12,15	6mm

**DIMENSION OF STANDARD SLIP JOINT POLYGONAL HIGH MAST
FOR MAXIMUM WIND SPEED OF 50 m/s (180 Km/h)
Series High (H)**

Type	Total Height	Segment Details				Top Face to Face Inside	Bottom Face to Face Inside	Circular Base Plate OD X Thk.	P.C.D of Bolt	Size of Bolt	No. of Bolt	Door Opening	Winch	SWL Cap	No. of Fitting	Dia of Rope
		No.	Length	Thick	Sides											
VLHM-H 12	12000	2	6250	5.4	8	100	315	550x20	450	M24x900	6	200x1000	1 Drum	500kg	6	6mm
VLHM-H 15	15000	3	5325	5.4,4	20	200	360	575x25	460	M24x1500	6	6300x1400	2 Drum	750kg	9,12	6mm
VLHM-H 16	16000	3	5675	5.4,4	20	200	365	575x25	461	M25x1200	8	300x1400	2 Drum	750kg	9,12	6mm
VLHM-H 18	18000	3	6400	5.4,4	20	200	440	690x32	570	M32x1375	6	300x1400	2 Drum	750kg	9,12	6mm
VLHM-H 20	20000	3	7115	5.4,4	20	200	450	725x32	600	M32x1400	8	300x1400	2 Drum	750kg	9,12	6mm
VLHM-H 25	25000	3	9000	5.4,4	20	200	550	760x32	650	M32x1200	12	300x1400	2 Drum	750kg	9,12	6mm
VLHM-H 30	30000	3	10700	5.4,4	20	200	665	875x32	775	M32x1200	12	300x1400	2 Drum	750kg	9,12	6mm
VLHM-H 40	40000	4	11000	8.6,4.4	20	200	780	985x32	890	M39x1400	16	300x1400	2 Drum	750kg	9,12,15	6mm

Item	Height	Thickness	Faces	Across face Dia		Base Plate	PCD	Bolt	
				Top	Bottom			Size	Nos
	mm	mm	Nos	mm	mm	mm	mm	mm	
NZHM 11	11000	3	12	100	360	545 x 20	445	20 x 900	4
NZHM 12	12000	3	12	100	360	545 x 20	445	20 x 900	6
NZHM 12.5	12500	3,3	12	136	360	560 x 20	460	20 x 900	8
NZHM 16 L	16000	3,3	20	150	360	560 x 25	460	24 x 900	12
NZHM 16 M	16000	3,4	20	150	410	610 x 30	510	30 x 900	12
NZHM 20 L	20000	3,4	20	150	360	560 x 30	460	30 x 900	12
NZHM 20 M	20000	3,4	20	150	460	690 x 32	590	30 x 900	16
NZHM 25	25000	3,4,4	20	150	460	690 x 32	590	30 x 900	16
NZHM 30	30000	3,4,5	20	150	460	690 x 32	590	32 x 900	16

1. Material Of Construction: BSEN 10025/BIS 5836
2. Foundation Bolt Material: Gr Fe-415 Mpa min
3. Base Plate Material: BIS 2062
4. Lantern Carriage Capacity: 750 Kg
5. Protection: Hot Dip Galvanized
6. Galvanization Thickness: 86 Microns (Approx)
7. Type Of Joint: Stress Slip Fit

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