

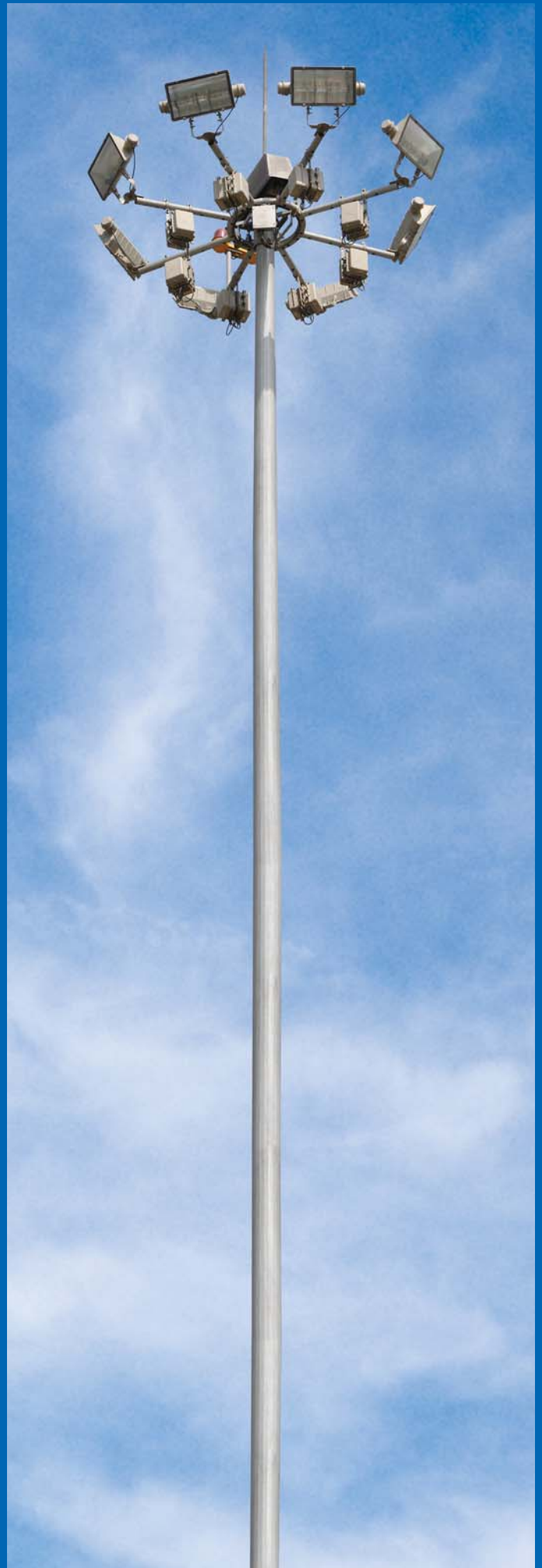
# High Mast Poles

Specifications

 **SKIPPER**  
— BANSAL POLES —

Stand Tall  
Above All

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## APPLICABLE STANDARDS

The following shall be the Reference Standards for the design of the High Mast system:

Code No.	Title
IS 875 (Part III) 1987	Code of practice for design Wind loads for Structures
IS 800 2007	General Constriction in Steel
BSEN 10025 SJ - 355 / 250 or equivalent	Grades of Steel
BSEN 5135	Welding
BS ISO 1461	Galvanizing
TR. No. # 7 1996 of ILE, UK.	Specification for Mast and foundation

## HIGH MAST STRUCTURE

Standard Height of High Mast	12, 12.5, 16, 20, 25, 30 Meter
High Mast Type	Polygonal Continuously Tapered
Material of construction	HT Steel
No. of Section	As per design
Carriage Lifting System	Three Rope / Two Rope
Length of each section	Max. 12 Meter
No. of longitudinal welds / section	One
No. of circumferential welds/ section	None
Cross section of High Mast	12-20 sided polygonal
Type of joints	Stress fit / Telescopic fit
Metal protection treatment for High Mast	Hot Dip Galvanized
Average thickness of galvanization	Avg. 65 – 85 Micron. (As per BSEN ISO 1461)
Lightning Arrestor	Mounting at the top

## ACCESSORIES

Lantern Carriage	Winch – Double / Single Drum
Head Frame	Stainless Steel Wire Rope
Motor & Winch mounting bracket	Power Tool
Lightning Arrestor	Trailing Cable

## STANDARD HIGH MAST DIMENSIONS AS PER 180 KMPH OR 50 M/S OR 112 MILES/HR.

### TECHNICAL SPECIFICATIONS OF HIGH MAST

Model No.	Height (mtr)	Top A/F (mm)	Bottom A/F (mm)	No. of Section	No. of Sides	Sheet Thickness (mm)	PCD (mm)	Base Plate Dimensions (mm x Th)	Bolt Size (Dia x No. x Lg.)	LUM Capacity (No)
SL_HM_50_12_6	12	105	360	1	12	4	450	540x16	M24x8x750	6
SL_HM_50_12_8	12	105	360	1	12	4	450	540x16	M24x8x750	8
SL_HM_50_12.5_6	12.5	105	360	2	12	3, 3	450	540x16	M24x8x750	6
SL_HM_50_12.5_8	12.5	105	360	2	12	3, 3	450	540x16	M24x8x750	8
SL_HM_50_16_8	16	105	400	2	20	3, 3	500	600x16	M24x8x800	8
SL_HM_50_16_12	16	105	400	2	20	3, 3	540	620x16	M24x8x900	12
SL_HM_50_20_8	20	150	400	2	20	4, 3	500	600x16	M24x12x800	8
SL_HM_50_20_12	20	150	400	2	20	4, 3	510	600x20	M24x12x1000	12
SL_HM_50_20_16	20	150	400	2	20	4, 3	510	600x20	M24x12x1000	16
SL_HM_50_25_12	25	150	455	3	20	4, 4, 3	550	640x20	M30x12x1000	12
SL_HM_50_25_16	25	170	475	3	20	5, 4, 3	590	700x20	M36x12x1000	16
SL_HM_50_30_16	30	175	570	3	20	5, 4, 4	670	770x25	M32x16x1000	16
SL_HM_50_30_20	30	150	600	3	20	5, 5, 4	710	820x25	M36x16x1000	20

## STANDARD HIGH MAST DIMENSIONS AS PER 160 KMPH OR 44 M/S OR 100 MILES/HR.

Model No.	Height (mtr)	Top A/F (mm)	Bottom A/F (mm)	No. of Section	No. of Sides	Sheet Thickness (mm)	PCD (mm)	Base Plate Dimensions (mm x Th)	Bolt Size (Dia x No. x Lg.)	LUM Capacity (No)
SL_HM_44_12_6	12	105	360	1	12	4	450	540x16	M20x8x750	6
SL_HM_44_12_8	12	105	360	1	12	4	450	540x16	M20x8x750	8
SL_HM_44_12.5_6	12.5	105	360	2	12	3, 3	450	540x16	M20x8x750	6
SL_HM_44_12.5_8	12.5	105	360	2	12	3, 3	450	540x16	M20x8x750	8
SL_HM_44_16_8	16	105	400	2	20	3, 3	500	600x16	M20x8x800	8
SL_HM_44_16_12	16	105	400	2	20	3, 3	500	600x16	M20x8x800	12
SL_HM_44_20_8	20	150	400	2	20	4, 3	510	600x16	M20x12x800	8
SL_HM_44_20_12	20	150	400	2	20	4, 3	520	600x16	M24x12x800	12
SL_HM_44_20_16	20	150	400	2	20	4, 3	520	600x16	M20x12x900	16
SL_HM_44_25_12	25	150	420	3	20	4, 4, 3	520	620x20	M32x12x800	12
SL_HM_44_25_16	25	150	455	3	20	4, 4, 3	550	640x20	M30x12x1000	16
SL_HM_44_30_16	30	175	510	3	20	5, 4, 4	620	730x25	M36x12x1000	16
SL_HM_44_30_20	30	175	540	3	20	5, 4, 4	670	780x25	M36x12x1000	20

## STANDARD HIGH MAST DIMENSIONS AS PER 120 KMPH OR 33 M/S OR 75 MILES/HR.

Model No.	Height (mtr)	Top A/F (mm)	Bottom A/F (mm)	No. of Section	No. of Sides	Sheet Thickness (mm)	PCD (mm)	Base Plate Dimensions (mm x Th)	Bolt Size (Dia x No. x Lg.)	LUM Capacity (No)
SL_HM_33_12_6	12	105	360	1	12	4	450	540x16	M16x8x750	6
SL_HM_33_12_8	12	105	360	1	12	4	450	540x16	M16x8x750	8
SL_HM_33_12.5_6	12.5	105	360	2	12	3, 3	450	540x16	M16x8x750	6
SL_HM_33_12.5_8	12.5	105	360	2	12	3, 3	450	540x16	M16x8x750	8
SL_HM_33_16_8	16	105	400	2	20	3, 3	500	600x16	M16x8x800	8
SL_HM_33_16_12	16	105	400	2	20	3, 3	500	600x16	M16x8x800	12
SL_HM_33_20_8	20	150	400	2	20	4, 3	510	600x16	M20x12x750	8
SL_HM_33_20_12	20	150	400	2	20	4, 3	510	600x16	M20x12x750	12
SL_HM_33_20_16	20	150	400	2	20	4, 3	510	600x16	M20x12x750	16
SL_HM_33_25_12	25	150	405	3	20	4, 3, 3	480	560x20	M24x12x1000	12
SL_HM_33_25_16	25	150	405	3	20	4, 3, 3	480	560x20	M24x12x1000	16
SL_HM_33_30_16	30	150	450	3	20	5, 4, 4	570	670x25	M32x12x800	16
SL_HM_33_30_20	30	150	470	3	20	5, 4, 4	570	670x25	M32x12x800	20

## Swaged Pole



Skipper's Swaged or Tubular steel poles conform to IS: 2713 (Part I to III): 1980. These poles are used for street lighting, garden lighting, etc. These require zero maintenance, can be custom designed, and are fully recyclable and non-toxic.

## Octagonal Pole



Skipper's Octagonal poles are designed to withstand the basic wind speeds as per IS 875 Part III. The poles are also galvanized as per IS 4759 1996/ BSEN 1461 standards. These are the Poles for flourishing urbanization.

## Other Skipper Products



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