WWW.ATOMPOLES.EU

POLES PRODUCTION

ATOM POLES

POLE PRODUCTION

Atom Poles stands as a reputable and trusted company, recognized for its commitment to delivering cost-effective solutions with a focus on high quality and large-scale production of infrastructure products. Within our comprehensive portfolio, we excel in the manufacturing and marketing of steel poles designed to meet the demands of a wide spectrum of applications.

Our steel poles find purpose and excellence in various sectors, including highway and street lighting, traffic signage, electrical distribution and transmission towers, wireless communication towers, high mast and sport lighting poles, transit poles and wind tower poles. Beyond functionality, we take pride in offering a diverse range of decorative streetscape lighting poles and bases, allowing us to cater to the aesthetic and design preferences of diverse urban landscapes.

At Atom Poles, our dedication to excellence extends beyond the production line; it is ingrained in our commitment to providing reliable, durable, and innovative solutions that contribute to the advancement and sustainability of modern infrastructure.
The precision embedded in the design of our poles is a testament to our unwavering commitment to engineering excellence. Every curve, every angle is meticulously crafted to harmonize with the surroundings while maintaining optimal structural integrity. This precision extends beyond mere form; it is a reflection of our commitment to enhancing the visual appeal of the infrastructure we contribute to.

Furthermore, the durability ingrained in the construction of our poles stands as a symbol of our steadfast commitment to quality. These poles are engineered to withstand the test of time and the rigors of various environmental conditions. Whether it's the challenges posed by fluctuating weather patterns or the demand for long-lasting, reliable infrastructure, our poles are crafted to exceed expectations.

In essence, our poles represent the fusion of art and engineering. They embody the synergy of aesthetic finesse and robust construction, setting the standard for excellence in the realm of infrastructure solutions. Atom Poles stands as a beacon of quality, where every product is not just a functional element but a work of precision and durability contributing to the urban landscape's visual and structural harmony.

OCTAGONAL POLES

OCTAGONAL POLES

Octagonal Poles, a hallmark of structural excellence, are meticulously crafted through a sophisticated manufacturing process at Atom Poles. Our commitment to quality begins with the careful selection of high-grade hot-rolled steel coils, ensuring the foundation of durability and strength for each pole.

The production journey unfolds with an automated procedure that intricately cuts and folds or presses the trapezoidal sheet into the iconic octagonal shape. This precision is not only a testament to our dedication to detail but also a guarantee of uniformity and structural integrity. The octagonal configuration is achieved with a keen focus on maintaining dimensional accuracy, allowing these poles to seamlessly integrate into diverse infrastructure applications.

What sets our Octagonal Poles apart is the longitudinal welding technique employed during production. Through submerged arc welding, the sides are seamlessly bonded, further enhancing the structural stability and longevity of the poles. This welding method ensures a robust connection that withstands environmental stresses and contributes to the overall reliability of the infrastructure.

As a result, Atom Poles proudly delivers Octagonal Poles that not only meet but exceed industry standards. From highway and street lighting to traffic signage, electrical distribution, and transmission towers, our octagonal poles stand as a symbol of innovation and excellence in the realm of infrastructure products. Additionally, their adaptability extends to applications such as wireless communication towers, high mast and sport lighting poles, transit poles and wind tower poles.

In our pursuit of excellence, we go beyond functionality. Atom Poles offers a diverse range of Octagonal Poles that not only serve practical purposes but also contribute to the visual aesthetics of urban landscapes. Whether it's the precision in design or the robustness in construction, our Octagonal Poles exemplify the intersection of engineering prowess and a commitment to quality that defines Atom Poles in the realm of infrastructure solutions.

OCTAGONAL POLES

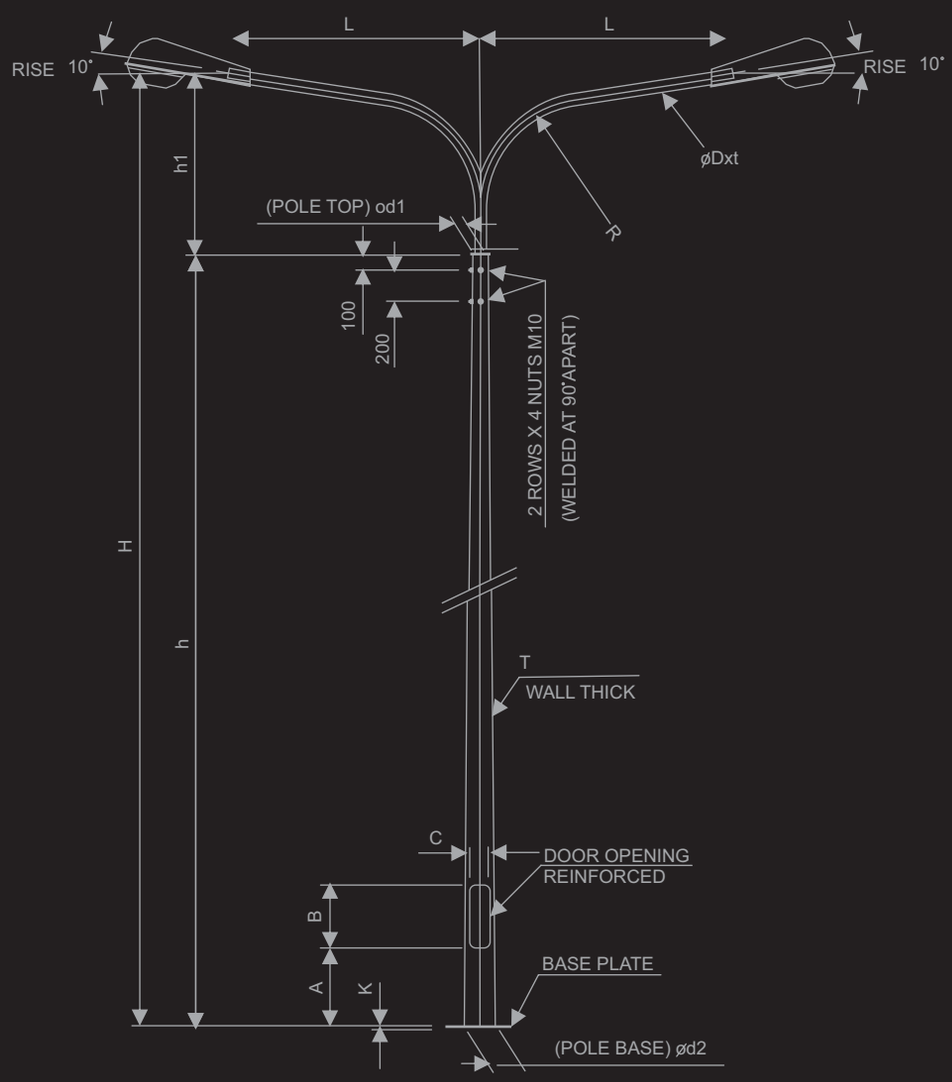
OCTAGON STREET LIGHTING POLES WITH LONG BRACKET

Pole Size (mm)				
"H"	"h"	"d1"	"d2"	"Thk"
6,000	5,000	75	130	4
8,000	7,000	75	156	4
9,000	8,000	75	156	4
10,000	8,000	75	180	4
12,000	10,000	90	250	4
14,000	12,000	90	285	4

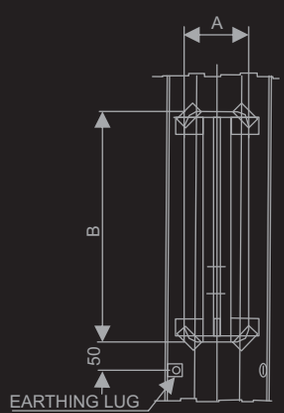
Arm Size (mm)			
"h1"	"L"	"R"	"ØD x t"
1,000	1,000	700	60.3 x 2.90
1,000	1,500	700	60.3 x 2.90
1,000	1,500	700	60.3 x 2.90
2,000	2,000	1,000	60.3 x 3.65
2,000	2,500	1,500	60.3 x 3.65
2,000	2,500	1,500	60.3 x 3.65

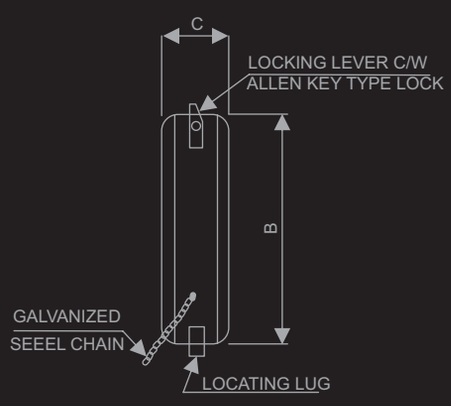
Door Opening (mm)		
"A"	"B"	"C"
600	400	100
600	400	100
600	400	100
600	400	100
600	500	120
600	500	120

Pole + Bracket Details



Door Opening Details





OCTAGONAL POLES

OCTAGON STREET LIGHTING POLES WITH LONG BRACKET

Flange/Base Plate Size (mm)

"D"	"E"	"F"	"G"	"K"
400	300	22	35	10
400	300	28	45	15
400	300	28	45	15
400	300	28	45	15
400	300	32	50	20
400	350	32	50	20

Anchor Bolts Size (mm)

"ØPxQ"	"R"	"M"	"Qty"
18x400	50	100	4 Nos
24x500	50	100	4 Nos
24x500	50	100	4 Nos
24x500	50	100	4 Nos
27x700	50	100	4 Nos
27x700	75	100	4 Nos

Abbreviations/Notes

Abbreviations :

Pole Size :
H = Overall height
h = Shaft height
dl = Top dia.
d2 = Bottom dia.
Thk = ShaftWallThickness

Arm Size:
h 1 = Bracket height,
L = Outreach
R = Radius
Dxt = Diameter x thickness.

Door Opening:
A= Door opening ht above ground
B = Door size
C = Door width.

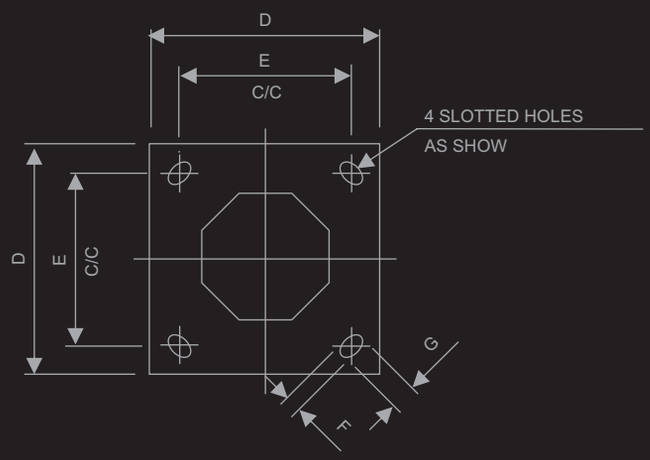
Flange/Base Plate :
D = Dimension
E = Dist. between holes
F = Hole width
G = Hole length
K = Plate Thickness.

Anchor Bolts :
P = Bolt dia
Q = Bolt height
R = Radius
N = Bending height
Q = No. of bolts required/Pole.

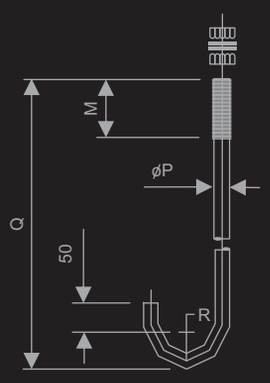
Notes:

1. All dimensions are in mm
2. Design compliance with EN 40:2000 Loads BS CP3, Chapter 5, Part-2
3. Maximum wind speed 160 Km/Hr.
4. Finish: Hot dip galvanized to BS ISO1461 (or as specified).
5. Accessories are made of Mild Steel Grade
6. Shaft made of Steel Grade FE 510C (According to EN 10025).

Flange Plate Details



Anchor Bolt Details



OCTAGONAL POLES

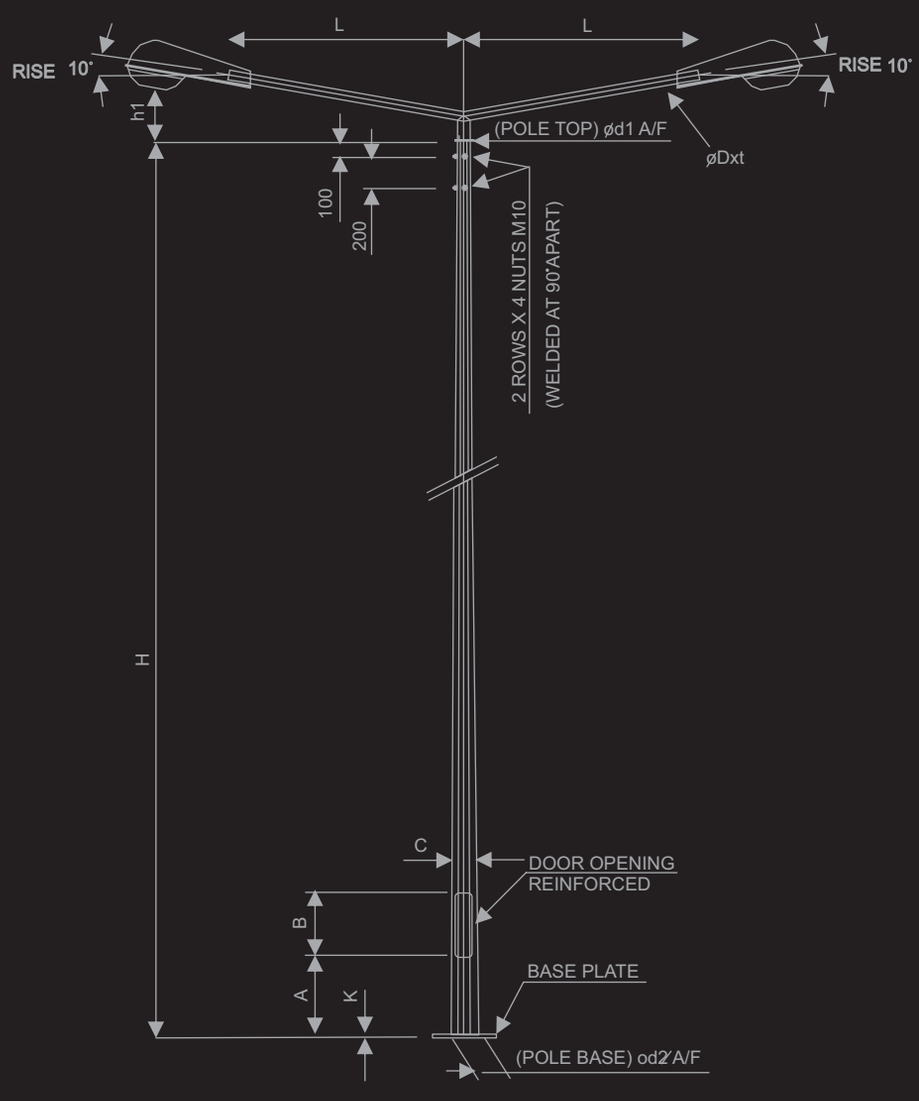
OCTAGON STREET LIGHTING POLES WITH LONG BRACKET

Pole Size (mm)			
"H"	"d1"	"d2"	"Thk"
6,000	60	130	4
8,000	60	150	4
9,000	75	165	4
10,000	75	180	4

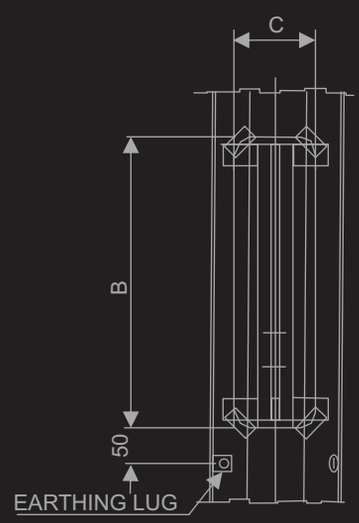
Arm Size (mm)		
"h1"	"L"	"ØD x t"
190	500	60.3 x 2.90
225	700	60.3 x 2.90
275	1,000	60.3 x 2.90
375	1,500	60.3 x 3.65

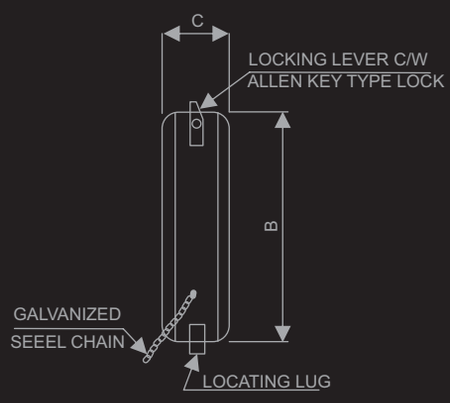
Door Opening (mm)		
"A"	"B"	"C"
600	400	100
600	400	100
600	400	100
600	400	110

Pole + Bracket Details



Door Opening Details





OCTAGONAL POLES

OCTAGON STREET LIGHTING POLES WITH LONG BRACKET

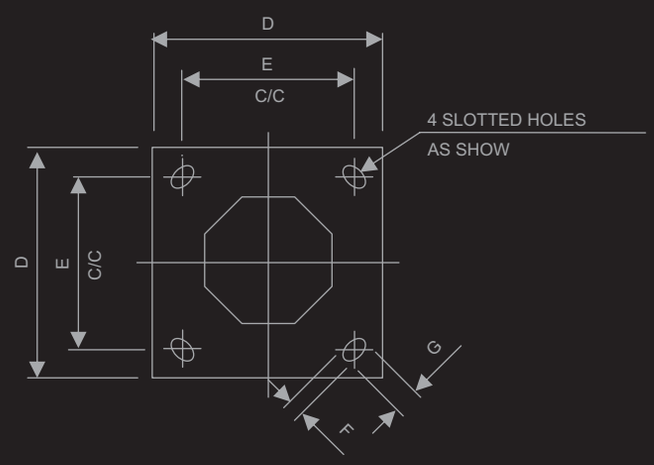
Flange/Base Plate Size (mm)

"D"	"E"	"F"	"G"	"K"
400	300	22	35	10
400	300	28	45	15
400	300	28	45	15
400	300	28	45	15

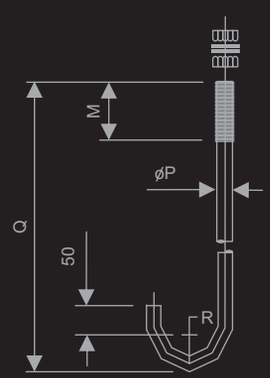
Anchor Bolts Size (mm)

"ØPxQ"	"R"	"M"	"Qty"
18x400	50	100	4 Nos
24x500	50	100	4 Nos
24x500	50	100	4 Nos
24x500	50	100	4 Nos

Flange Plate Details



Anchor Bolt Details



Abbreviations/Notes

Abbreviations :

I) Pole Size :
H = Shaft height
dl = Top dia.
d2 = Bottom dia.
Thk = ShaftWallThickness

(II) Arm Size:
h 1 = Bracket height,
L = Outreach
Dxt = Diameter x thickness.

(III) Door Opening:
A= Door opening ht above ground
B = Door size
C = Door width.

(IV) Flange/Base Plate :
D = Dimension
E = Dist. between holes
F = Hole width
G = Hole length
K = Plate Thickness.

(V) Anchor Bolts :
P = Bolt dia
Q = Bolt height
R = Radius
N = Bending height
Q = No. of bolts required/Pole.

Notes:

1. All dimensions are in mm
2. Design compliance with EN 40:2000 Loads BS CP3, Chapter 5, Part-2
3. Maximum wind speed 160 Km/Hr.
4. Finish: Hot dip galvanized to BS ISO1461 (or as specified).
5. Accessories are made of Mild Steel Grade
6. Shaft made of Steel Grade FE 510C (According to EN 10025).

OCTAGONAL POLES

OCTAGON STREET LIGHTING POLES WITH SHORT BRACKET

Pole Size (mm)

"H"	"d1"	"d2"	"T"	
12.000	90	250	4	—
14.000	90	285	4	—
15.000	105	300	5	4
16.000	105	320	5	4
18.000	105	375	5	4

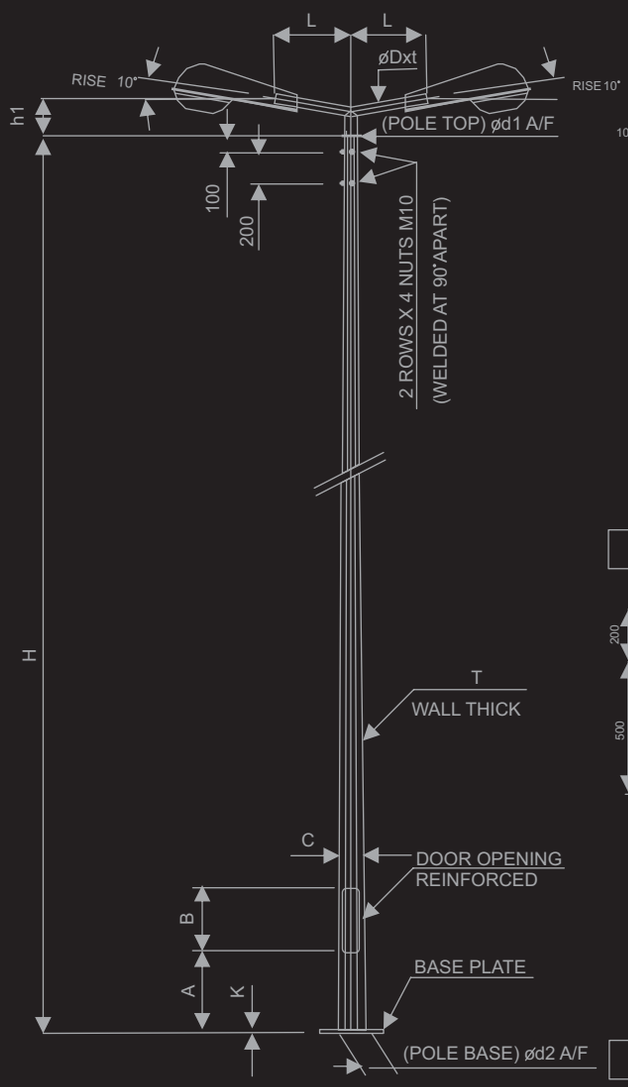
Arm Size (mm)

"h1"	"L"	"OD xt"
200	500	60.3 x 3.00
200	500	60.3 x 3.00
200	500	60.3 x 3.00
200	500	60.3 x 3.00
200	500	60.3 x 3.00

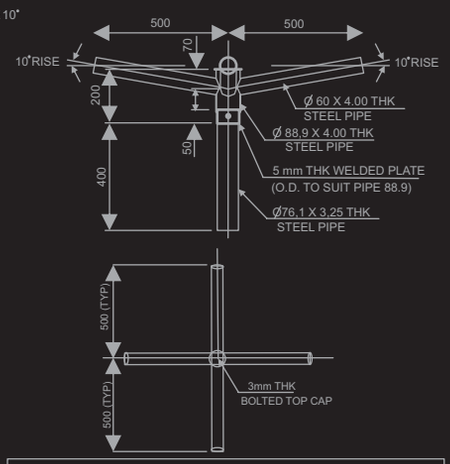
Door Opening (mm)

"A"	"B"	"C"
600	500	120
600	500	120
600	500	140
600	500	140
600	500	140

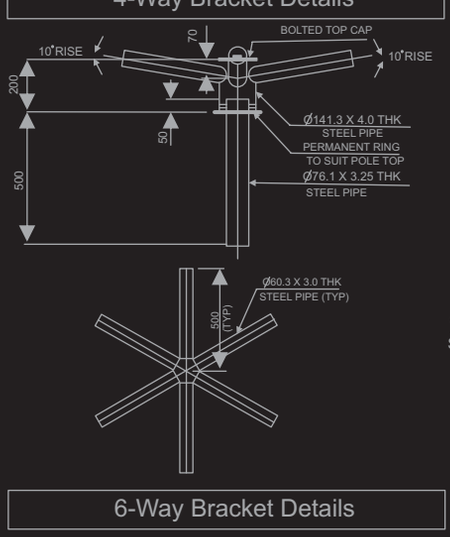
Pole + Bracket Details



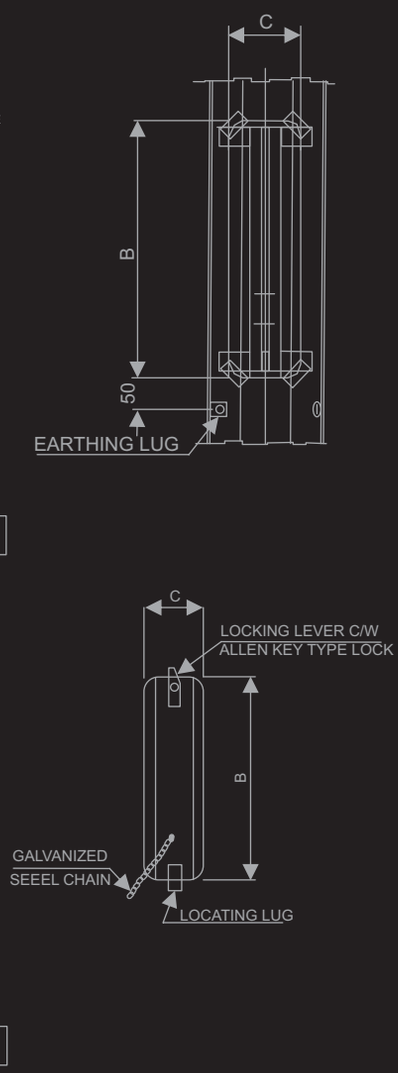
4-Way Bracket Details



6-Way Bracket Details



Door Opening Details



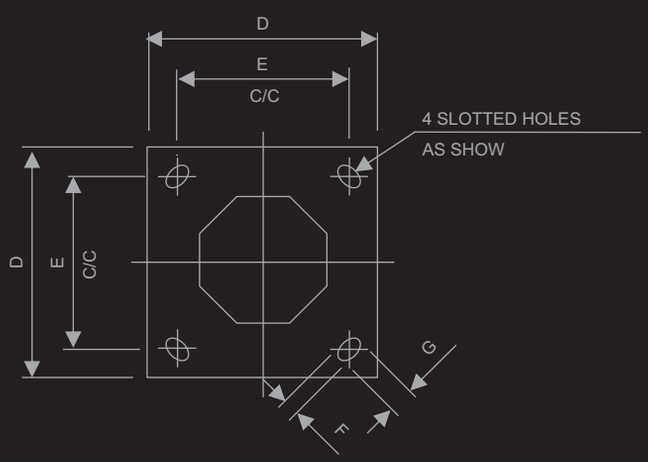
OCTAGONAL POLES

OCTAGON STREET LIGHTING POLES WITH SHORT BRACKET

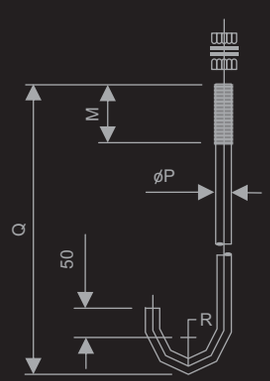
Flange/Base Plate Size (mm)				
"D"	"E"	"F"	"G"	"K"
400	300	32	45	20
400	300	32	50	25
450	350	35	50	25
450	350	35	50	30
500	400	38	50	35

Anchor Bolts Size (mm)			
"OPxQ"	"R"	"R"	"Qty"
27x700	75	120	4 Nos
27x900	75	150	4 Nos
30x1000	75	150	4 Nos
30x1000	75	150	4 Nos
32x1000	75	150	4 Nos

Flange Plate Details



Anchor Bolt Details



Abbreviations/Notes

Abbreviations :

Pole Size :
H = Shaft height
dl = Top dia.
d2 = Bottom dia.
Thk = ShaftWallThickness

Arm Size:
h 1 = Bracket height,
L = Outreach
Dxt = Diameter x thickness.

Door Opening:
A= Door opening ht above ground
B = Door size
C = Door width.

Flange/Base Plate :
D = Dimension
E = Dist. between holes
F = Hole width
G = Hole length
K = Plate Thickness.

Anchor Bolts :
P = Bolt dia
Q = Bolt height
R = Radius
N = Bending height
Q = No. of bolts required/Pole.

Notes:

1. All dimensions are in mm
2. Design compliance with EN 40:2000 Loads BS CP3, Chapter 5, Part-2
3. Maximum wind speed 160 Km/Hr.
4. Finish: Hot dip galvanized to BS ISO1461 (or as specified).
5. Accessories are made of Mild Steel Grade
6. Shaft made of Steel Grade FE 510C (According to EN 10025).

ROUND CONICAL POLES

ROUND CONICAL POLES

Round Conical Poles, distinguished by their sleek and tapered design, exemplify a pinnacle of engineering precision in the world of infrastructure solutions. At Atom Poles, these poles undergo a meticulous manufacturing process, beginning with the careful selection of high-grade hot-rolled steel coils to establish a foundation of durability and resilience.

The automated production procedure involves a sophisticated interplay of cutting and folding or pressing the trapezoidal sheet into the elegant conical shape that characterizes these poles. This process, executed with precision, not only ensures uniformity but also guarantees structural integrity, allowing Round Conical Poles to seamlessly integrate into a variety of infrastructure applications.

A key feature of our production methodology is the application of longitudinal welding through the submerged arc welding technique. This process welds the sides of the conical shape seamlessly, enhancing the overall structural stability and longevity of the poles. The use of submerged arc welding ensures a robust and enduring connection, capable of withstanding environmental stresses and contributing to the reliability of the infrastructure.

Atom Poles takes pride in delivering Round Conical Poles that not only meet but exceed industry standards. These poles find versatile applications, ranging from highway and street lighting to traffic signage, electrical distribution, and transmission towers. Additionally, they serve in wireless communication towers, high mast and sport lighting poles, transit poles, solar lighting, and wind tower poles.

Our commitment extends beyond mere functionality. Atom Poles offers a diverse range of Round Conical Poles that not only fulfil practical purposes but also contribute to the aesthetic appeal of urban landscapes. Whether it's the precision in design or the durability in construction, our Round Conical Poles embody the fusion of engineering excellence and a steadfast commitment to quality that defines Atom Poles in the realm of infrastructure solutions.

ROUND CONICAL POLES

CONICAL LIGHT POLE PRESS BRAKE TOOL SPECIFICATION

tool length 16 m ; taper rate: 11 ／ 1000 ; small end OD: 60 mm ; Big end OD: 236 mm ; bascial thickness: 3-4 mm
It can do the following size CONICAL CIRCULAR light pole.
Light pole length,small end outer diameter,big end outer diameter table

small end OD (mm)	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
pole length (m)	Big end outer diameter table (mm)															
2	82	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232
3	93	03	113	123	133	143	153	163	173	183	193	203	213	223	233	
4	104	114	124	134	144	154	164	174	184	194	204	214	224	234		
5	115	125	135	145	155	165	175	185	195	205	215	225	235			
6	126	136	146	156	166	176	186	196	206	216	226	236				
7	137	147	147	167	177	187	197	207	217	227						
8	148	158	168	178	188	198	208	218	228							
9	159	169	179	189	199	299	219	229								
10	170	180	190	200	210	220	230									
11	181	191	201	211	221	231										
12	192	202	212	222	232											

tool length 16 m ; taper rate: 13 ／ 1000 ; small end OD: 60 mm ; Big end OD: 268 mm ; bascial thickness: 3-4 mm
It can do the following size CONICAL CIRCULAR light pole.
Light pole length,small end outer diameter,big end outer diameter table

small end OD (mm)	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
pole length (m)	Big end outer diameter table (mm)															
2	86	96	106	116	126	136	146	156	166	176	186	196	206	216	226	236
3	99	109	119	129	139	149	159	169	179	189	199	209	219	229	239	249
4	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262
5	125	135	145	155	165	175	185	195	205	215	225	235	245	255	265	
6	138	148	158	168	178	188	198	208	218	228	238	248	258	268		
7	151	161	171	181	191	201	211	221	231	241	251	261				
8	164	174	184	194	204	214	224	234	244	254	264					
9	177	187	197	207	217	227	237	247	257	267						
10	190	200	210	220	230	240	250	260								
11	203	213	223	233	243	253	263									
12	216	226	236	246	256	266										

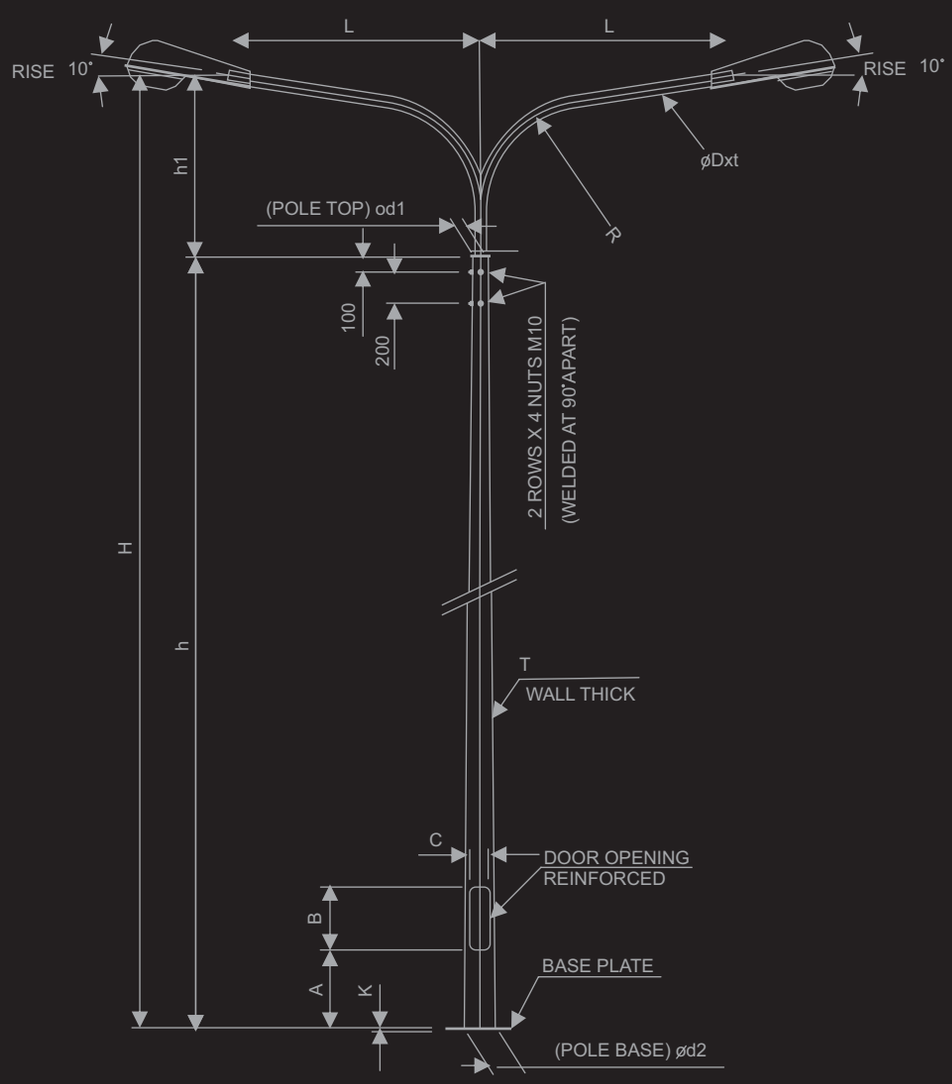
ROUND CONICAL POLES

ROUND CONICAL STREET LIGHTING POLES WITH LONG BRACKET

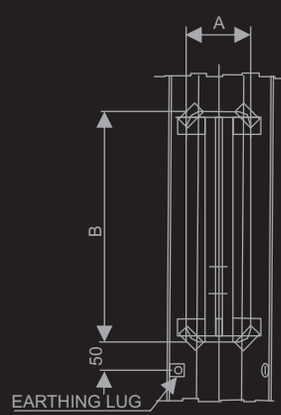
Arm Size (mm)			
"h1"	"L"	"R"	"ØD x t"
1,000	1,000	700	60.3 x 2.90
1,000	1,500	700	60.3 x 2.90
1,000	1,500	700	60.3 x 2.90
2,000	2,000	1,000	60.3 x 3.65
2,000	2,500	1,500	60.3 x 3.65
2,000	2,500	1,500	60.3 x 3.65

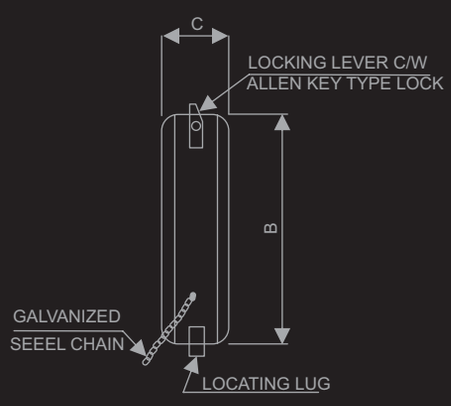
Door Opening (mm)		
"A"	"B"	"C"
600	400	100
600	400	100
600	400	100
600	400	100
600	500	120
600	500	120

Pole + Bracket Details



Door Opening Details





ROUND CONICAL POLES

ROUND CONICAL STREET LIGHTING POLES WITH LONG BRACKET

Flange/Base Plate Size (mm)

"D"	"E"	"F"	"G"	"K"
400	300	22	35	10
400	300	28	45	15
400	300	28	45	15
400	300	28	45	15
400	300	32	50	20
400	350	32	50	20

Anchor Bolts Size (mm)

"ØPxQ"	"R"	"M"	"Qty"
18x400	50	100	4 Nos
24x500	50	100	4 Nos
24x500	50	100	4 Nos
24x500	50	100	4 Nos
27x700	50	100	4 Nos
27x700	75	100	4 Nos

Abbreviations/Notes

Abbreviations :

Arm Size:
h 1 = Bracket height,
L = Outreach
R = Radius
Dxt = Diameter x thickness.

Door Opening:
A= Door opening ht above ground
B = Door size
C = Door width.

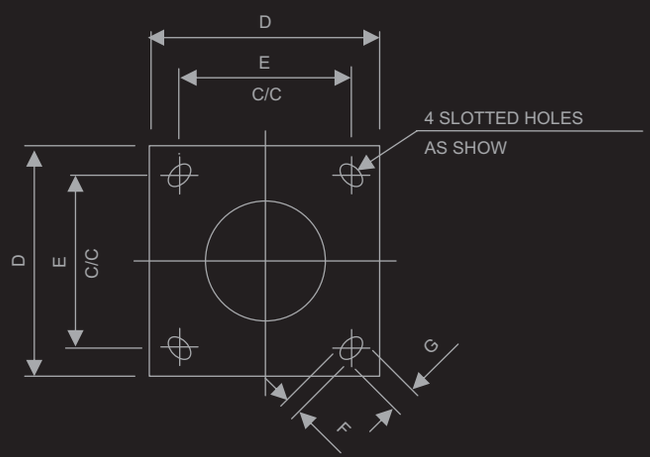
Flange/Base Plate :
D = Dimension
E = Dist. between holes
F = Hole width
G = Hole length
K = Plate Thickness.

Anchor Bolts :
P = Bolt dia
Q = Bolt height
R = Radius
N = Bending height
Q = No. of bolts required/Pole.

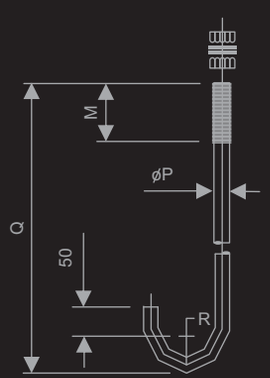
Notes:

1. All dimensions are in mm
2. Design compliance with EN 40:2000 Loads BS CP3, Chapter 5, Part-2
3. Maximum wind speed 160 Km/Hr.
4. Finish: Hot dip galvanized to BS ISO1461 (or as specified).
5. Accessories are made of Mild Steel Grade
6. Shaft made of Steel Grade FE 510C (According to EN 10025).

Flange Plate Details



Anchor Bolt Details



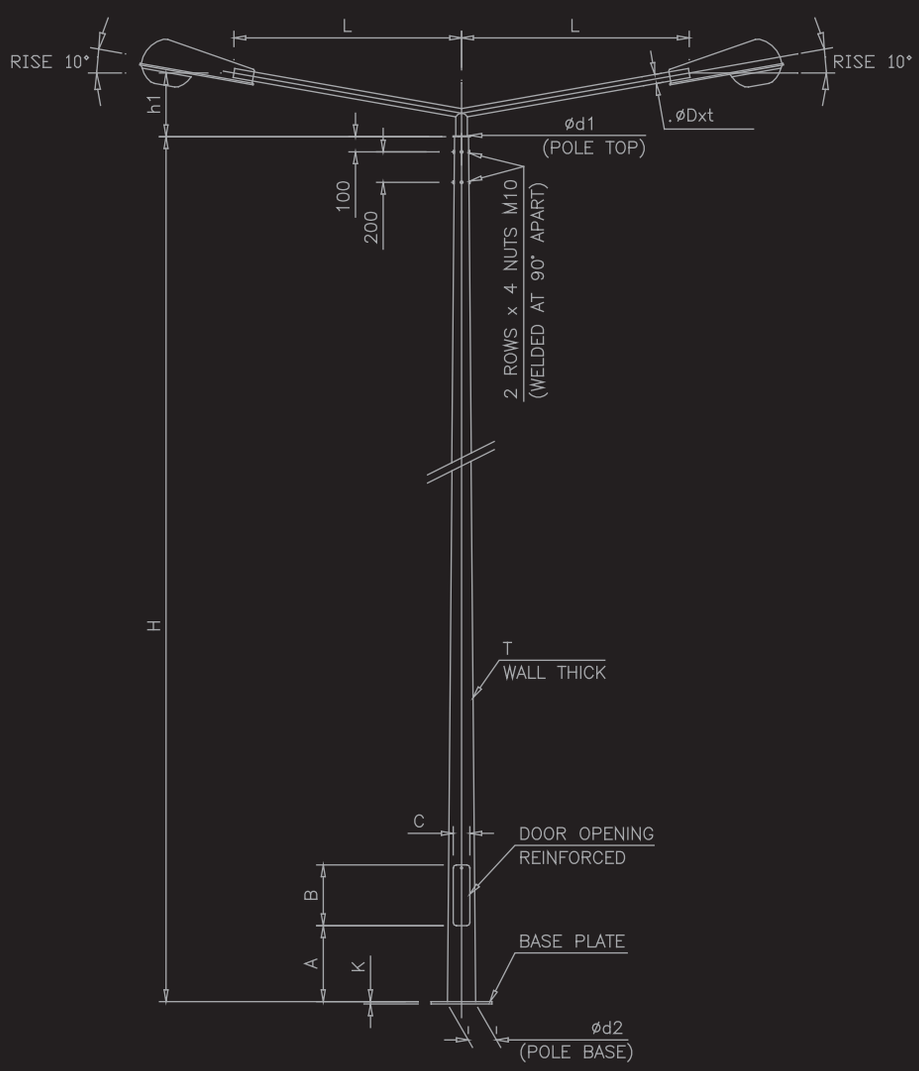
ROUND CONICAL POLES

ROUND CONICAL STREET LIGHTING POLES WITH LONG BRACKET

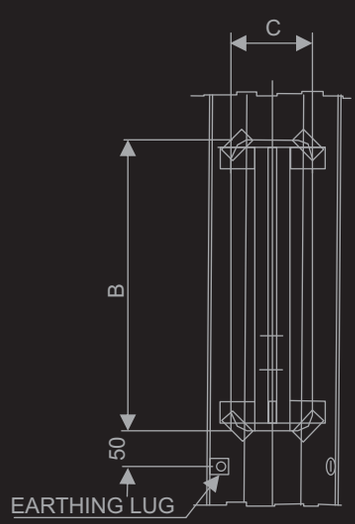
Arm Size (mm)		
"h1"	"L"	"ØD x t"
190	500	60.3 x 2.90
225	700	60.3 x 2.90
275	1,000	60.3 x 2.90
375	1,500	60.3 x 3.65

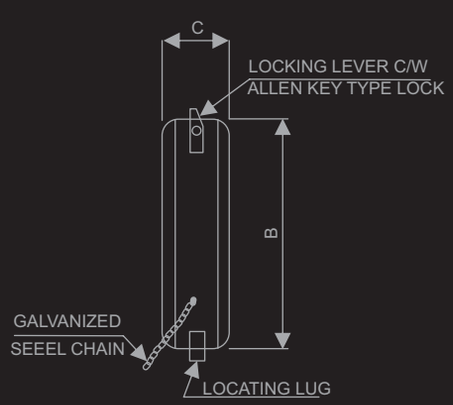
Door Opening (mm)		
"A"	"B"	"C"
600	400	100
600	400	100
600	400	100
600	400	110

Pole + Bracket Details



Door Opening Details





ROUND CONICAL POLES

ROUND CONICAL STREET LIGHTING POLES WITH LONG BRACKET

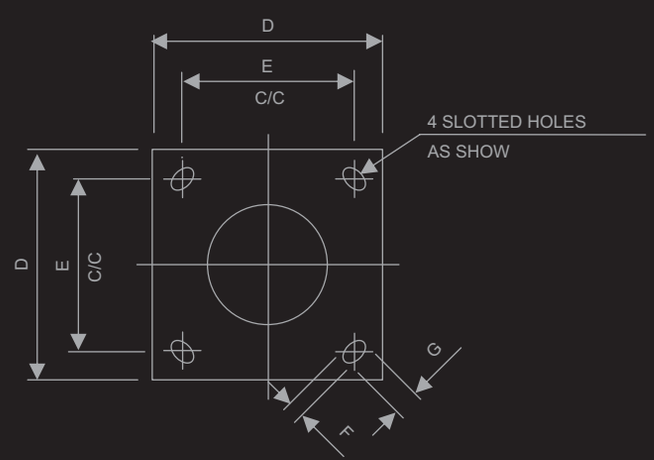
Flange/Base Plate Size (mm)

"D"	"E"	"F"	"G"	"K"
400	300	22	35	10
400	300	28	45	15
400	300	28	45	15
400	300	28	45	15

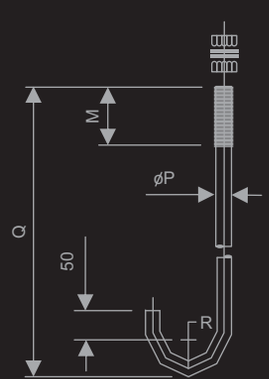
Anchor Bolts Size (mm)

"ØPxQ"	"R"	"M"	"Qty"
18x400	50	100	4 Nos
24x500	50	100	4 Nos
24x500	50	100	4 Nos
24x500	50	100	4 Nos

Flange Plate Details



Anchor Bolt Details



Abbreviations/Notes

Abbreviations :

Arm Size:
h 1 = Bracket height,
L = Outreach
Dxt = Diameter x thickness.

Door Opening:
A= Door opening ht above ground
B = Door size
C = Door width.

Flange/Base Plate :
D = Dimension
E = Dist. between holes
F = Hole width
G = Hole length
K = Plate Thickness.

Anchor Bolts :
P = Bolt dia
Q = Bolt height
R = Radius
N = Bending height
Q = No. of bolts required/Pole.

Notes:

1. All dimensions are in mm
2. Design compliance with EN 40:2000 Loads BS CP3, Chapter 5, Part-2
3. Maximum wind speed 160 Km/Hr.
4. Finish: Hot dip galvanized to BS ISO1461 (or as specified).
5. Accessories are made of Mild Steel Grade
6. Shaft made of Steel Grade FE 510C (According to EN 10025).

ROUND CONICAL POLES

ROUND CONICAL STREET LIGHTING POLES WITH SHORT BRACKET

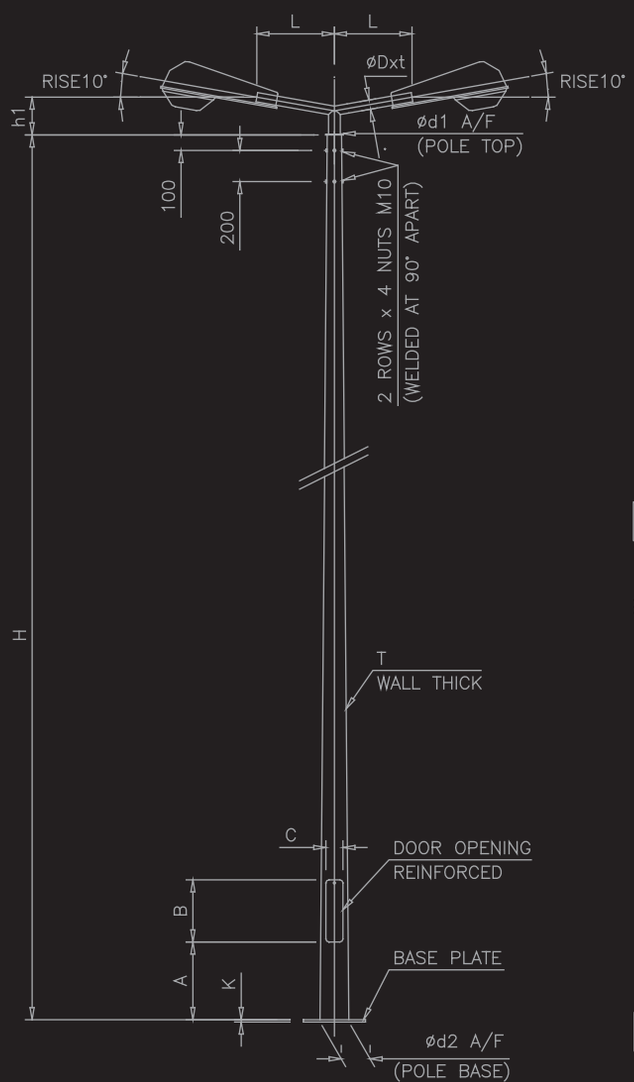
Arm Size (mm)

"h1"	"L"	"OD xt"
200	500	60.3 x 3.00
200	500	60.3 x 3.00
200	500	60.3 x 3.00
200	500	60.3 x 3.00
200	500	60.3 x 3.00

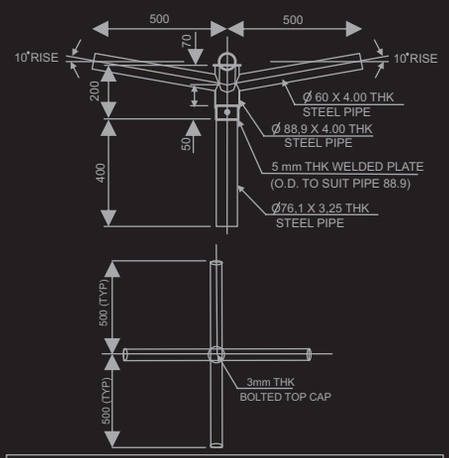
Door Opening (mm)

"A"	"B"	"C"
600	500	120
600	500	120
600	500	140
600	500	140
600	500	140

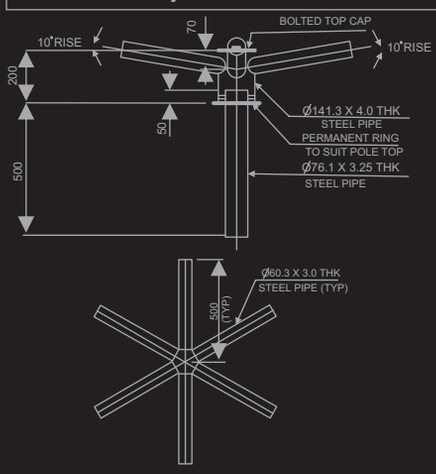
Pole + Bracket Details



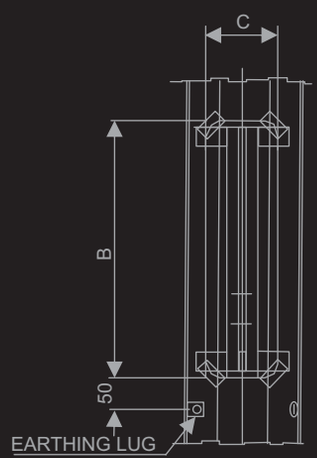
4-Way Bracket Details

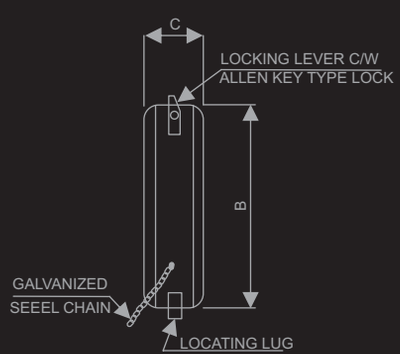


6-Way Bracket Details



Door Opening Details





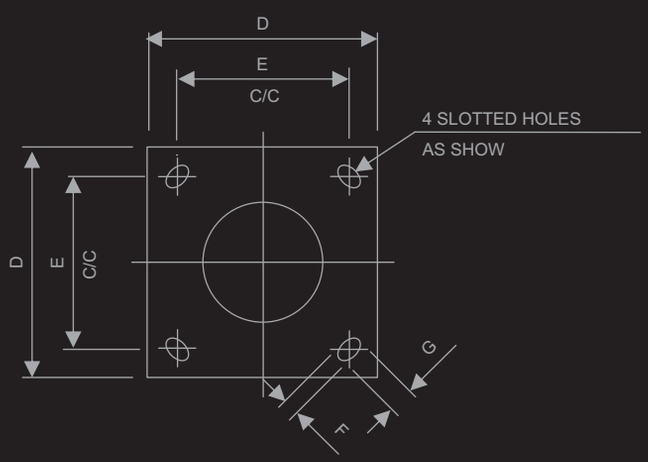
ROUND CONICAL POLES

ROUND CONICAL STREET LIGHTING POLES WITH SHORT BRACKET

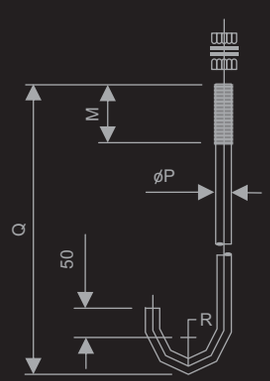
Flange/Base Plate Size (mm)				
"D"	"E"	"F"	"G"	"K"
400	300	32	45	20
400	300	32	50	25
450	350	35	50	25
450	350	35	50	30
500	400	38	50	35

Anchor Bolts Size (mm)			
"OPxQ"	"R"	"R"	"Qty"
27x700	75	120	4 Nos
27x900	75	150	4 Nos
30x1000	75	150	4 Nos
30x1000	75	150	4 Nos
32x1000	75	150	4 Nos

Flange Plate Details



Anchor Bolt Details



Abbreviations/Notes

Abbreviations :

Arm Size:
h 1 = Bracket height,
L = Outreach
Dxt = Diameter x thickness.

Door Opening:
A= Door opening ht above ground
B = Door size
C = Door width.

Flange/Base Plate :
D = Dimension
E = Dist. between holes
F = Hole width
G = Hole length
K = Plate Thickness.

Anchor Bolts :
P = Bolt dia
Q = Bolt height
R = Radius
N = Bending height
Q = No. of bolts required/Pole.

Notes:

1. All dimensions are in mm
2. Design compliance with EN 40:2000 Loads BS CP3, Chapter 5, Part-2
3. Maximum wind speed 160 Km/Hr.
4. Finish: Hot dip galvanized to BS ISO1461 (or as specified).
5. Accessories are made of Mild Steel Grade
6. Shaft made of Steel Grade FE 510C (According to EN 10025).

STEPPED POLES

STEPPED POLES

Stepped Poles, a hallmark of innovative engineering, undergo a distinctive manufacturing process at Atom Poles, utilizing a unique hot-swaged joint method that sets them apart in terms of strength and durability. This method involves the application of heat to seamlessly fix a larger diameter pipe into a smaller diameter pipe, resulting in fused pipe joints of remarkable strength.

The key advantage of this hot-swaged joint method lies in its ability to create watertight joints, ensuring the overall pole maintains its strength consistently across its entire length. Unlike traditional methods that involve welding, the absence of welding in the production of Stepped Poles is a significant benefit. This absence means that joints do not experience weakening over their lifetime, contributing to the long-term structural integrity and reliability of the poles.

At Atom Poles, our commitment to quality shines through in the meticulous craftsmanship of Stepped Poles. The innovative hot-swaged joint method not only enhances strength but also eliminates potential vulnerabilities associated with welded joints. This makes Stepped Poles an ideal choice for various applications, offering robust solutions for highway and street lighting, traffic signage, electrical distribution, and transmission towers.

In addition to their functional excellence, Stepped Poles cater to a range of aesthetic needs, contributing to the visual appeal of urban landscapes. Atom Poles proudly stands behind the Stepped Poles, exemplifying our dedication to cutting-edge engineering practices that redefine industry standards and elevate the performance of infrastructure solutions.

STEPPED POLES

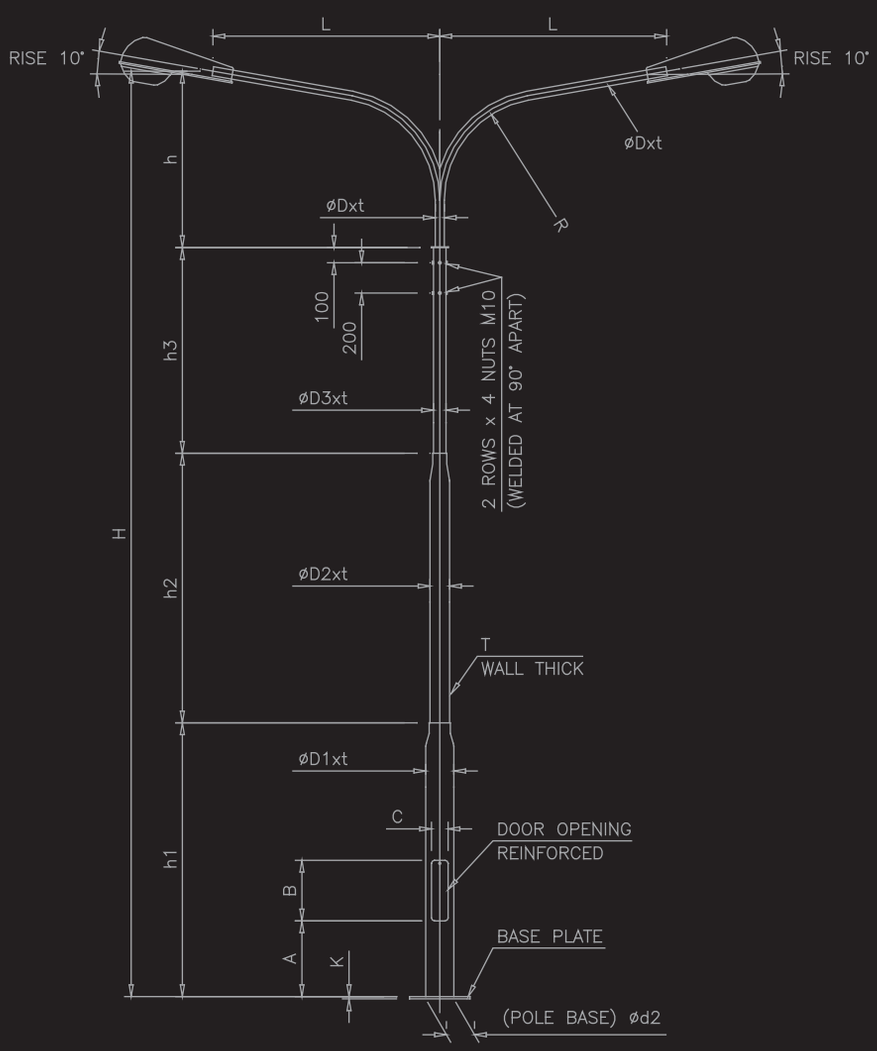
STEPPED STREET LIGHTING POLES WITH LONG BRACKET

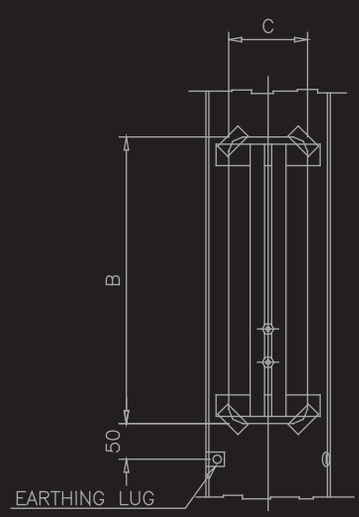
Pole Size (mm)								
"H"	"h1"	"ØD1xt"	"h2"	"ØD2xt"	"h3"	ØD3xt	"h4"	ØD4xt
6,000	3,000	141.3x4.0	1800	88.9x3.25	--	--	--	--
7,000	3,000	141.3x4.0	1,800	114.3x4.0	1,000	76.1x3.25	--	--
8,000	3,000	168.3x4.0	1,800	114.3x4.00	2,000	76.1x3.25	--	--
9,000	3,000	168.3x4.0	2,800	114.3x4.0	2,000	76.1x3.25	--	--
10,000	4,000	168.3x4.0	2,800	114.3x4.0	2,000	76.1x3.25	--	--
12,000	4,000	193.7x4.0	3,800	114.3x4.0	2,200	76.1x3.25	--	--
14,000	4,000	219.1x5.6	3,750	141.3x4.0	2,800	114.3x4.00	1,450	88.9x3.6
15,000	4,000	219.1x5.6	3,750	193.7x4.0	3,800	168.3x4.00	1,450	114.3x4.0

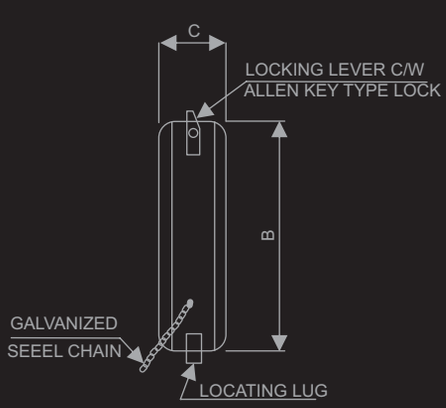
Arm Size (mm)			
"h"	"L"	"R"	"ØD x t"
1,200	1,000	700	60.3 x 2.90
1,200	1,000	700	60.3 x 2.90
1,200	1,500	700	60.3 x 2.90
1,200	1,500	700	60.3 x 2.90
1,200	1,500	700	60.3 x 2.90
2,000	2,000	1,000	60.3 x 3.65
2,000	2,500	1,500	60.3 x 3.65
2,000	2,500	1,500	60.3 x 3.65

Pole + Bracket Details

Door Opening Details







STEPPED POLES

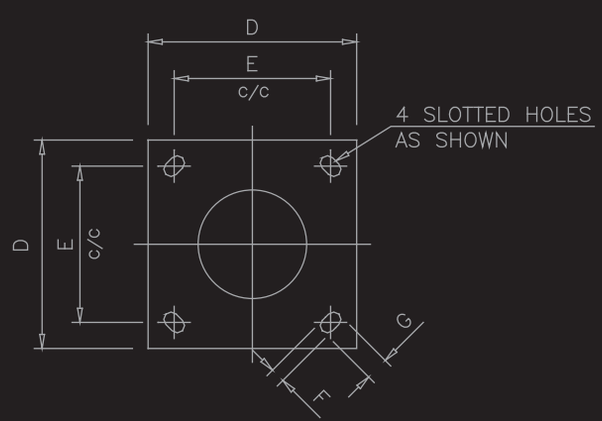
STEPPED STREET LIGHTING POLES WITH LONG BRACKET

Door Opening		
"A"	"B"	"C"
600	300	70
600	400	90
600	400	90
600	400	110
600	400	110
600	400	110
600	500	120
800	600	130

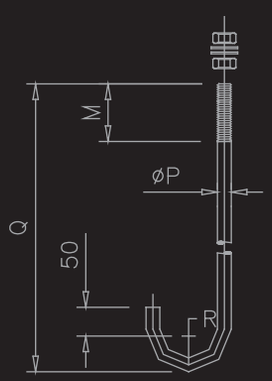
Flange Plate Size				
"D"	"E"	"F"	"G"	"K"
300	200	22	35	10
400	300	28	45	10
400	300	28	45	10
400	300	28	45	15
400	300	28	50	15
400	350	32	50	20
400	300	32	45	25
450	350	35	50	25

Anchor Bolts Size			
"ØPxQ"	"R"	"M"	"Qty"
18x400	50	100	4 Nos
24x500	50	100	4 Nos
24x500	50	100	4 Nos
24x500	50	100	4 Nos
27x500	50	100	4 Nos
27x700	75	120	4 Nos
27x700	75	120	4 Nos
30x1000	75	150	4 Nos

Flange Plate Details



Anchor Bolt Details



Abbreviations/Notes

Abbreviations :

Pole Size :
H = Overall height
h1 = Height of bottom shaft
h2 = Height of middle shaft
h3 = Height of top shaft
t = Shaft Wall Thickness

Arm Size :
h = Bracket height,
L = Outreach
R = Radius
Dxt = Diameter x thickness.

Door Opening :
A = Door opening ht above ground
B = Door size
C = Door width.

Flange/Base Plate :
D = Dimension
E = Dist. between holes
F = Hole width
G = Hole length
K = Plate Thickness.

Anchor Bolts :
P = Bolt dia
Q = Bolt height
R = Radius
N = Bending height
Q = No. of bolts required/Pole.

Notes :

1. All dimensions are in mm
2. Design compliance with BS EN 40:2000 Loads BS CP3, Chapter 5, Part-2
3. Maximum wind speed 160 Km/Hr.
4. Finish : Hot dip galvanized to BS ISO 1461 (or as specified).
5. Accessories are made of Mild Steel Grade.
6. Shaft made of Steel Grade FE 430C (According to EN 10025).

HIGH MAST POLES

HIGH MASTS POLES

High Masts Poles, engineered for optimal illumination over expansive areas, stand as the ideal solution for lighting applications such as sports grounds, stadia, highways, highway interchanges, airports, harbors, and open parking lots. At Atom Poles, our High Masts Poles are meticulously manufactured, ranging in height from 18 to 30 meters or even exceeding these dimensions. They feature a distinctive polygonal shape crafted from continuous tapered steel and are seamlessly electrically welded for unparalleled structural integrity.

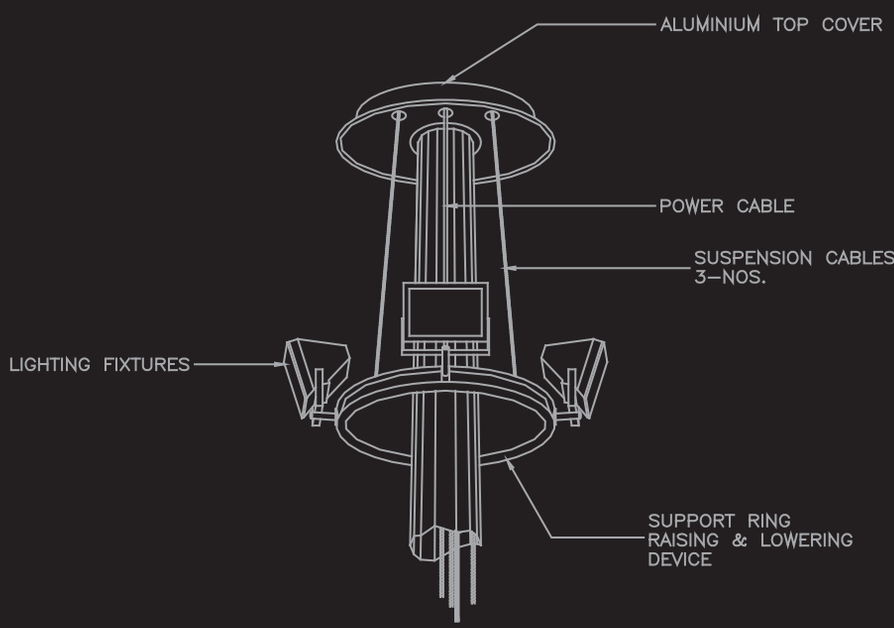
The mast itself is an assembly of 2 to 4 shafts, precision-joined through a method of pressure over-lapping. This sectional construction not only ensures a robust grip but also allows for seamless integration, creating a cohesive and durable structure. The shafts are connected by telescopic slings, further enhancing stability and contributing to the overall strength of the High Masts Poles.

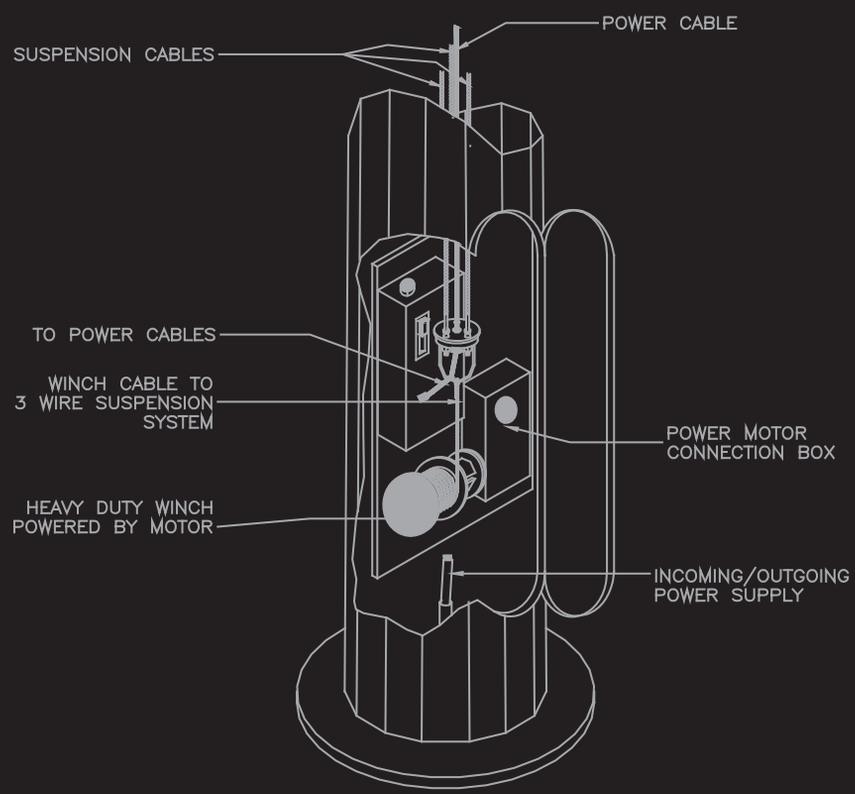
One notable feature of our High Masts Poles is their versatility in design. They can be equipped with raising and lowering devices, offering convenient adjustability for varying lighting requirements. Alternatively, they are available with a fixed rectangular and tilted headframe, providing a customized solution to meet specific project needs.

Beyond their functional excellence, Atom Poles takes pride in the aesthetic appeal of our High Masts Poles. The polygonal shape and streamlined design not only serve a practical purpose but also contribute to the visual enhancement of the surrounding environment. These High Masts Poles exemplify our commitment to delivering cutting-edge solutions that seamlessly blend form and function, meeting the diverse needs of modern infrastructure projects.

HIGH MASTS POLES

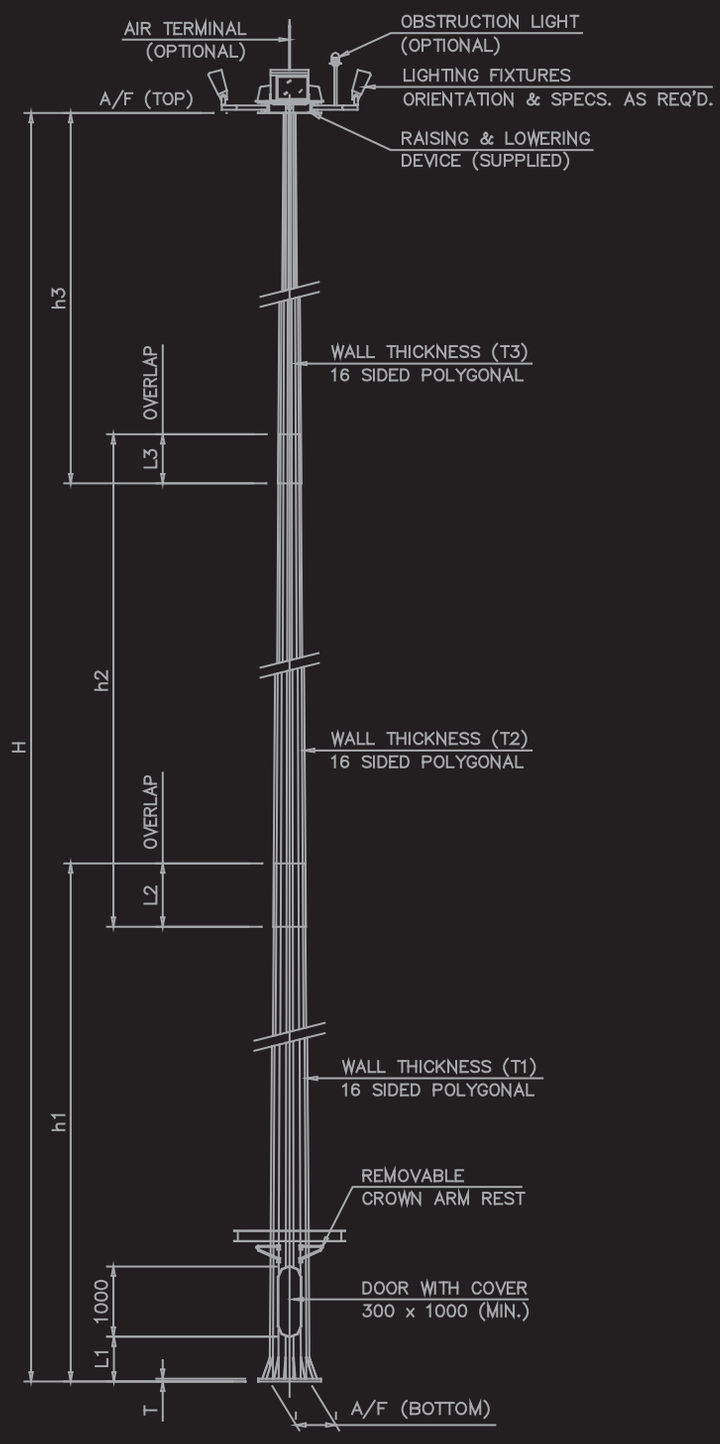
POLYGONAL HIGHMAST



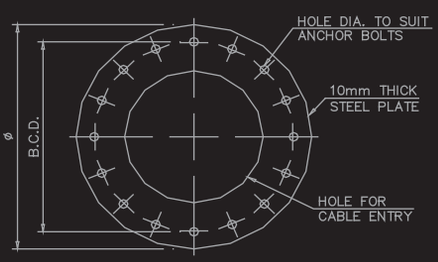


HIGH MASTS
POLES

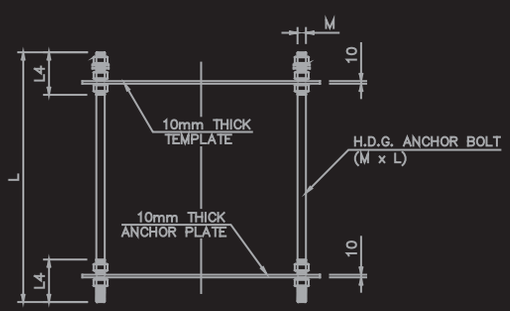
POLYGONAL HIGHMAST



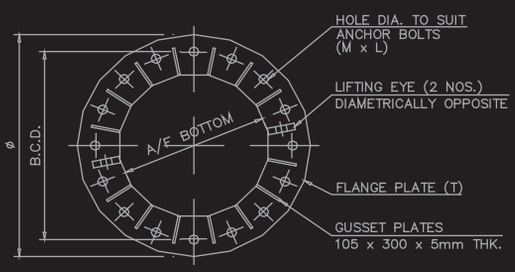
Typical Polygonal Highmast



Foundation Template



Foundation Bolt Frame



Base Plate Detail

Abbreviations :

I) Highmast :
H = Overall height
h1 = Size of bottom shaft
h2 = Size of middle shaft
h3 = Size of top shaft
T = Base Plate Thickness

Notes :

1. All dimensions are in mm
2. Finish : Hot dip galvanized to BS ISO 1461 (or as specified).
3. Accessories are made of Mild Steel Grade.
4. Shaft made of Steel Grade FE 510C (According to EN 10025).

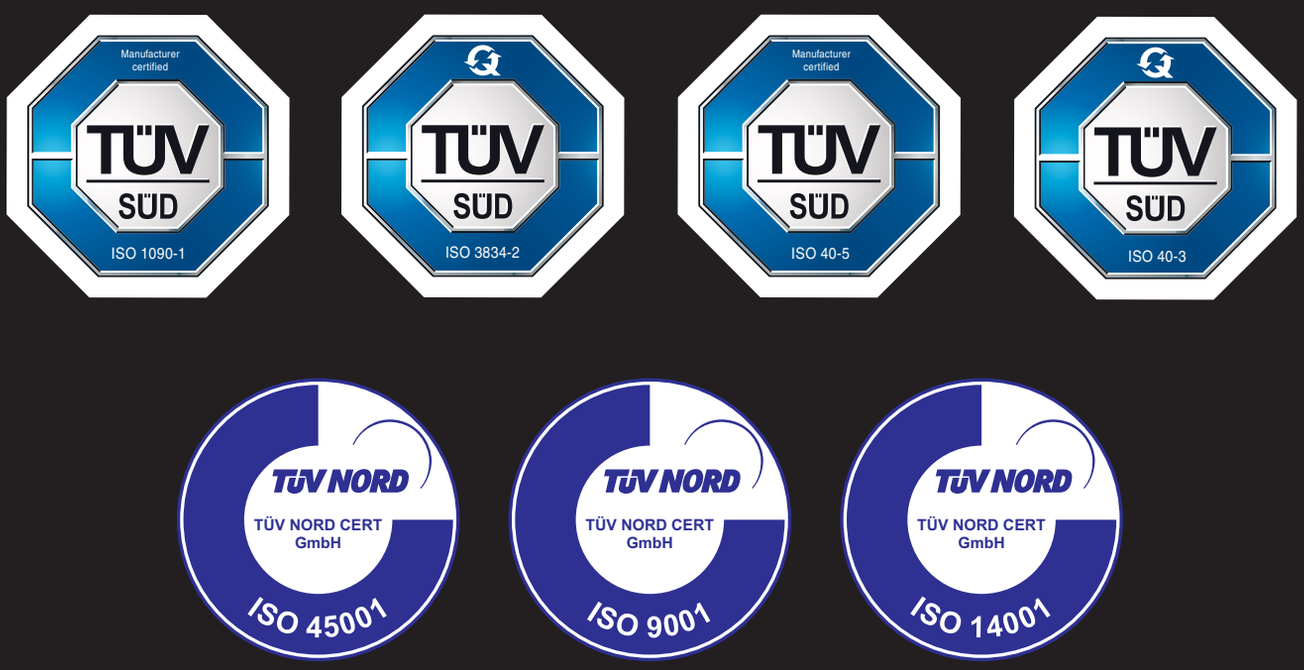
HIGH MASTS POLES

Following are some standard sized highmasts :

Highmast Size (mm)						
"H"	"d1" (a/f)	"d2" (a/f)	"h1 x T1"	"h2 x T2"	"h3 x T3"	"h4 x T4"
8,000	150	430	8000 x 4	--	--	--
12,000	161	440	12000 x 4	--	--	--
15,000	161	440	10000 x 4	5600 x 4	--	--
16,000	161	440	10000 x 4	6600 x 4	--	--
18,000	161	440	10000 x 4	8700 x 4	--	--
20,000	161	440	10000 x 4	10800 x 4	--	--
25,000	161	475	10800 x 4	10000 x 4	5600 x 4	--
30,000	161	500	9600 x 5	11000 x 4	11000 x 4	--
35,000	161	610	9600 x 6	11000 x 5	11000 x 4	5600 x 4
38,000	200	650	11000 x 6	11000 x 5	11000 x 4	7500 x 4
40,000	200	650	11000 x 6	11000 x 5	11000 x 4	9500 x 4

	Door Opening			Flange/Base Plate Size (mm)						Anchor Bolts (mm)		
Mast	"A"	"B"	"C"	"D"	"E"	"F"	"K"	"G"	"M"	"P x Q"	"N"	"Qty"
8,000	600	1000	300	700	580	35	30	32	10	30 x 940	160	6
12,000	600	1000	300	750	620	35	30	32	10	30 x 940	160	8
15,000	600	1000	300	750	620	35	30	32	10	30 x 940	160	8
16,000	600	1000	300	750	620	35	35	32	10	30 x 940	160	8
18,000	600	1000	300	750	620	35	35	32	10	30 x 940	160	8
20,000	600	1000	300	750	620	35	35	32	10	30 x 940	160	10
25,000	600	1000	300	750	620	35	35	32	10	30 x 940	160	12
30,000	600	1000	300	800	680	35	40	32	14	30 x 940	160	16
35,000	600	1000	300	1000	850	35	50	32	15	30 x 940	160	18
38,000	600	1000	300	1050	900	35	50	32	15	30 x 940	160	20
40,000	600	1000	300	1050	900	35	50	32	15	30 x 940	160	20

CERTIFICATES



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