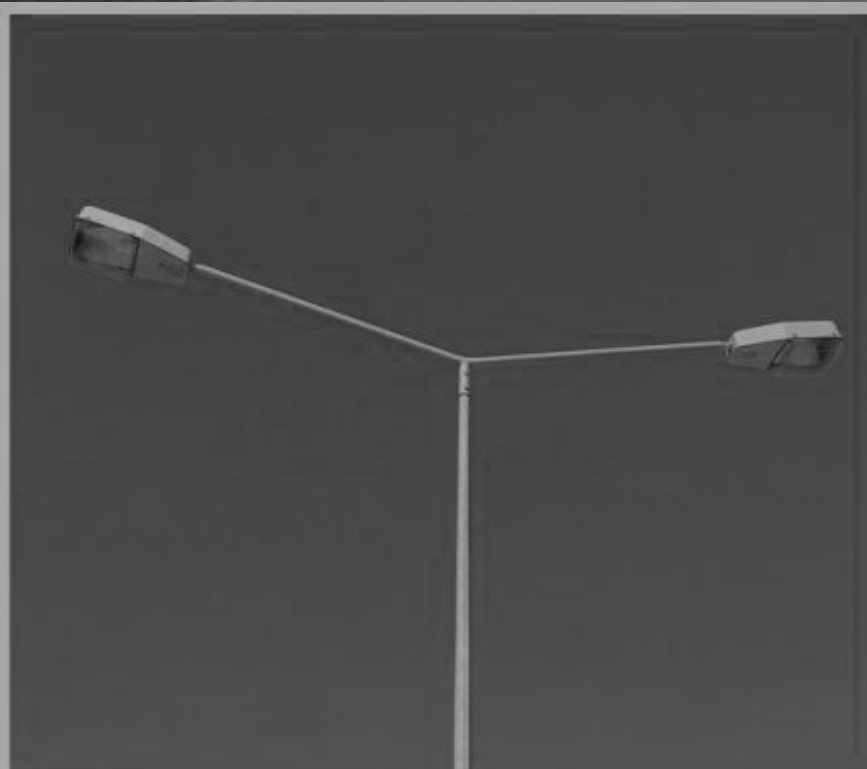


ROUND CONICAL POLES





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.

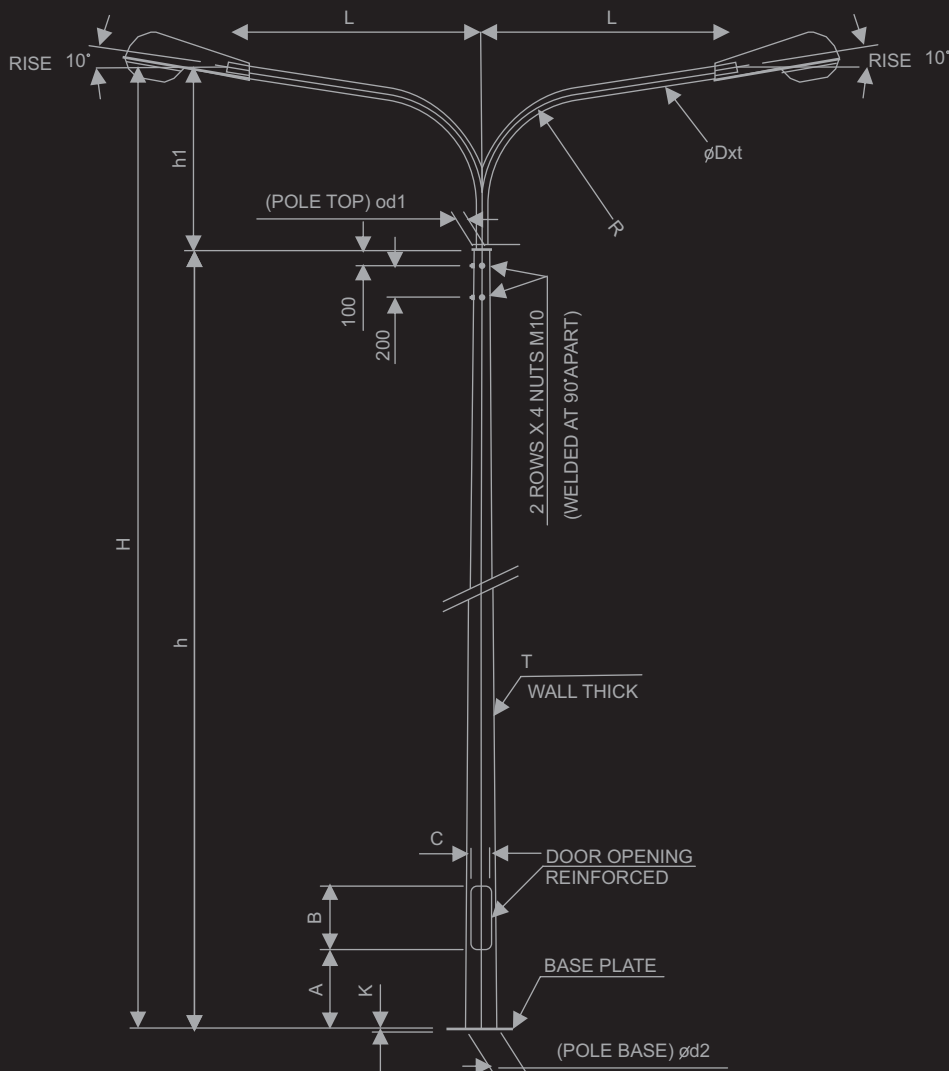
ROUND CONICAL POLES

ROUND CONICAL STREET LIGHTING POLES WITH LONG BRACKET

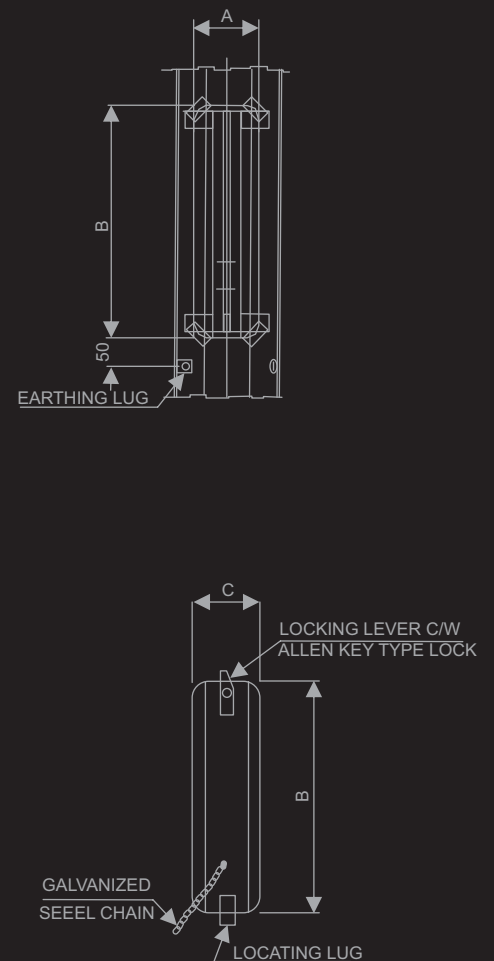
Arm Size (mm)			
"h1"	"L"	"R"	" $\phi D \times t$ "
1,000	1,000	700	60.3 x 2.90
1,000	1,500	700	60.3 x 2.90
1,000	1,500	700	60.3 x 2.90
2,000	2,000	1,000	60.3 x 3.65
2,000	2,500	1,500	60.3 x 3.65
2,000	2,500	1,500	60.3 x 3.65

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

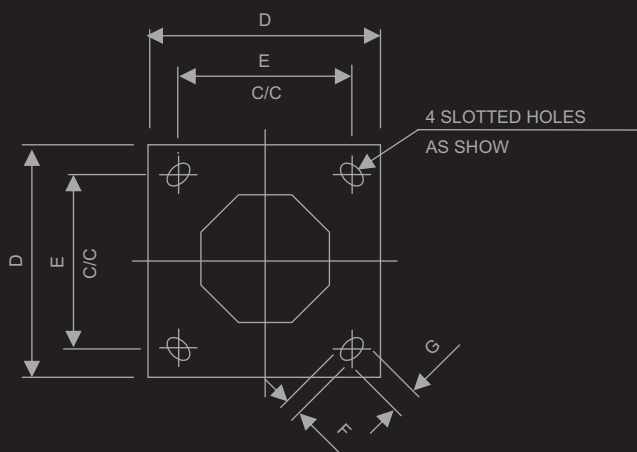
N = Bending height

Q = No. of bolts required/Pole.

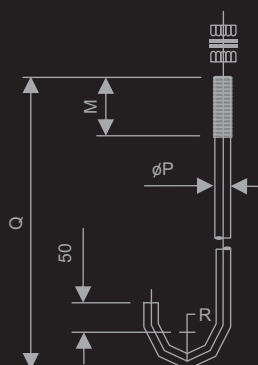
Notes:

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

Flange Plate Details



Anchor Bolt Details



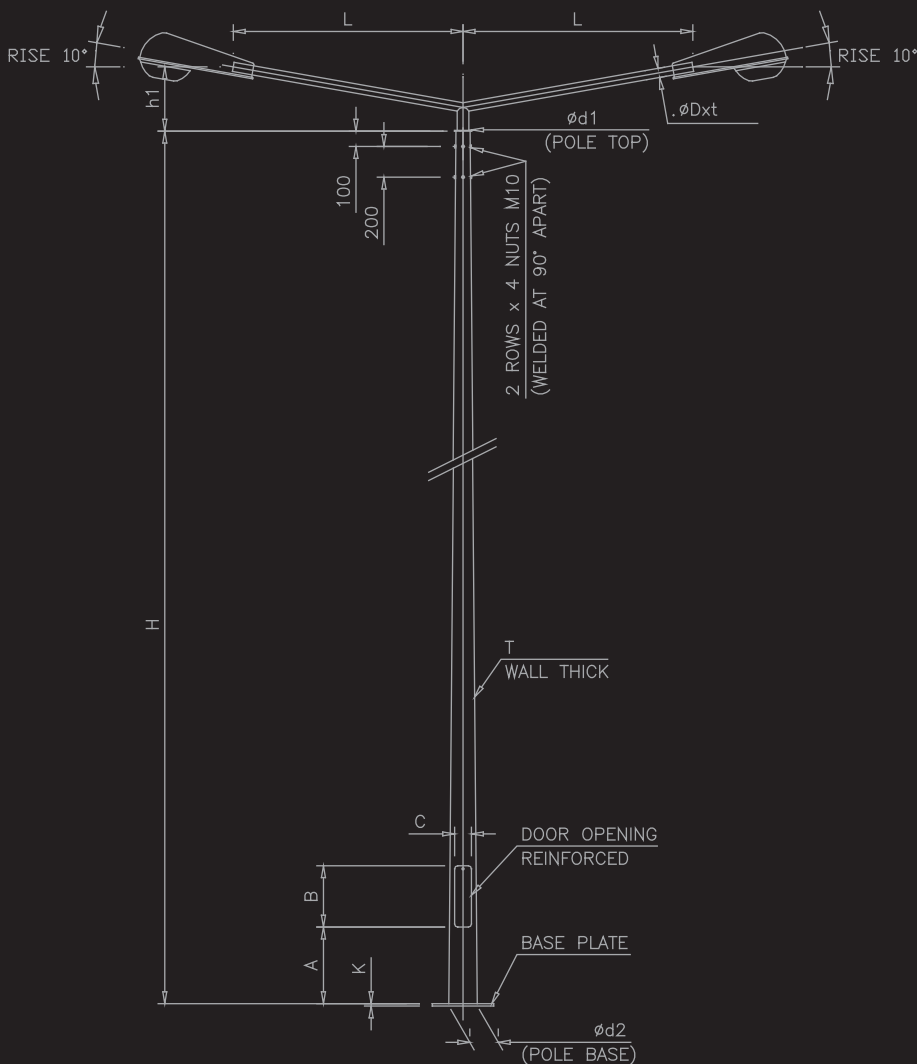
ROUND CONICAL POLES

ROUND CONICAL STREET LIGHTING POLES WITH LONG BRACKET

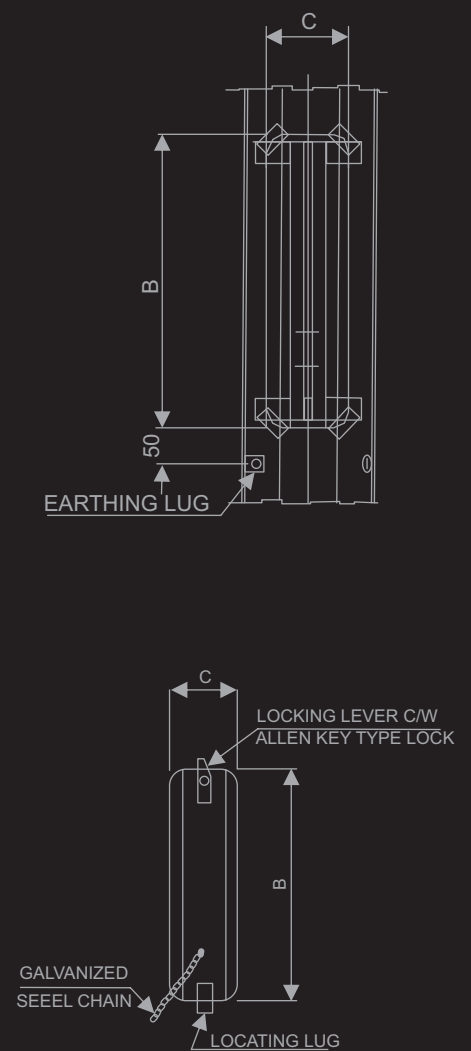
Arm Size (mm)		
"h1"	"L"	" $\varnothing D \times t$ "
190	500	60.3 x 2.90
225	700	60.3 x 2.90
275	1,000	60.3 x 2.90
375	1,500	60.3 x 3.65

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

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

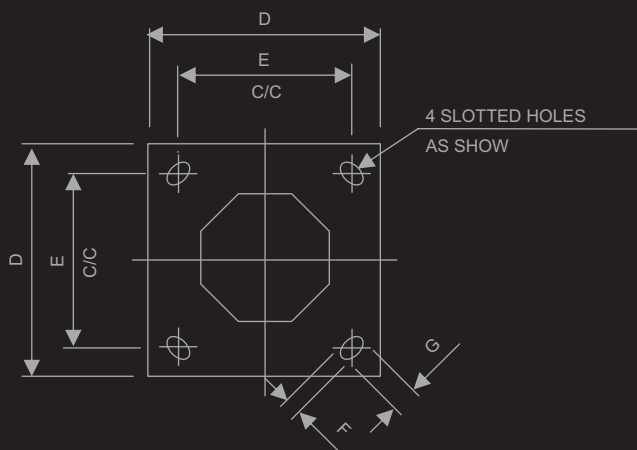
N = Bending height

Q = No. of bolts required/Pole.

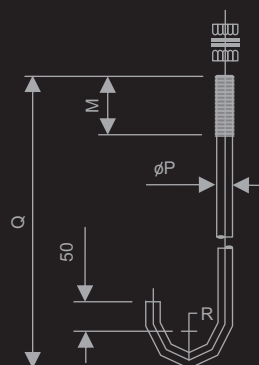
Notes:

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).

Flange Plate Details



Anchor Bolt Details



ROUND CONICAL POLES

ROUND CONICAL STREET LIGHTING POLES WITH SHORT BRACKET

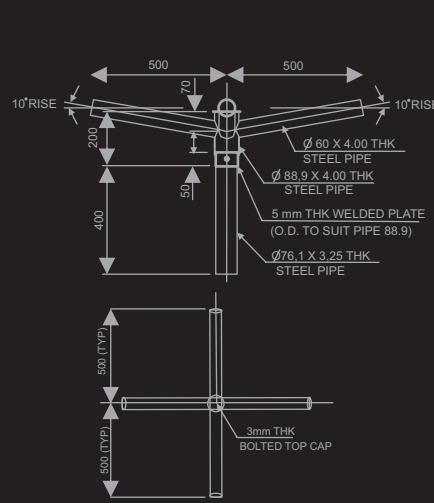
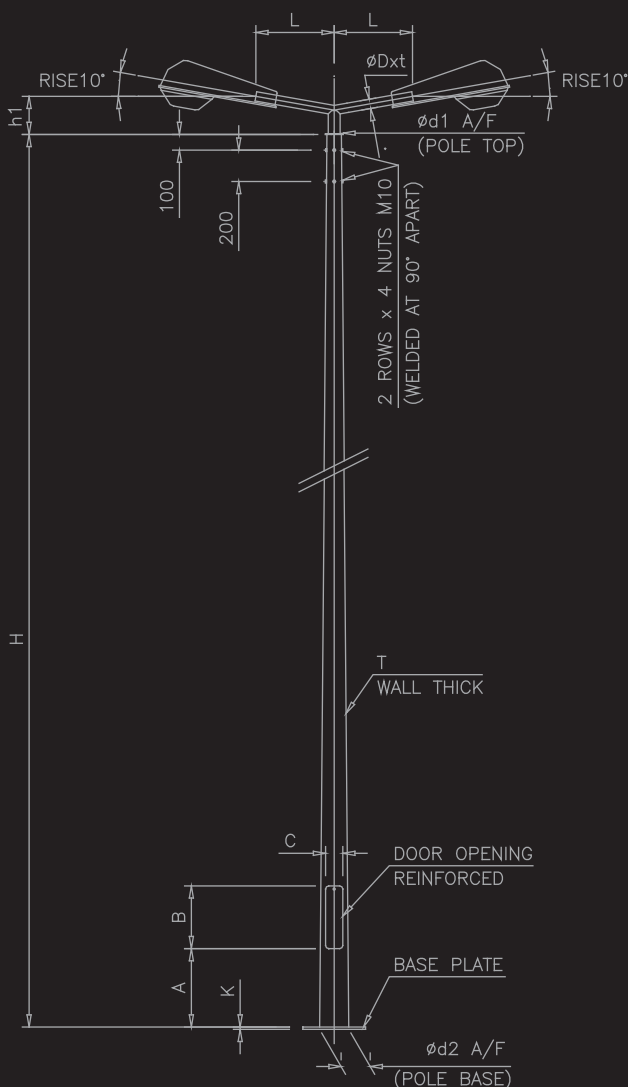
Arm Size (mm)

"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

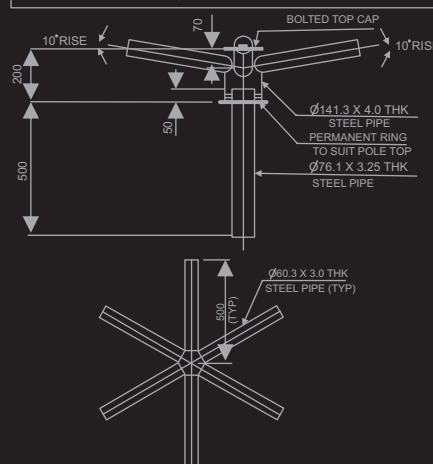
Dor Opening (mm)

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

Pole + Bracket Details

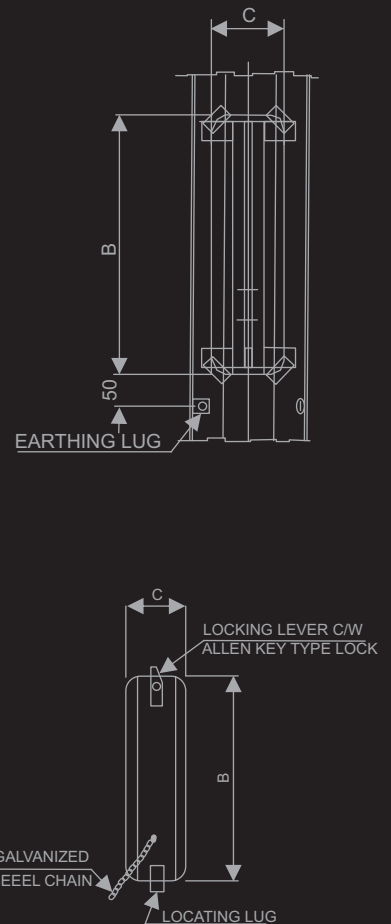


4-Way Bracket Details



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

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

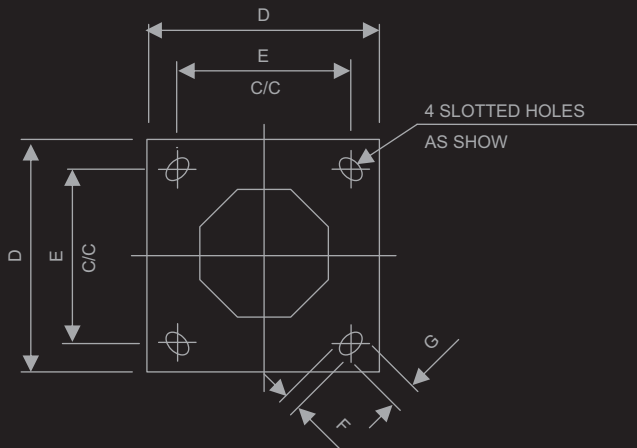
N = Bending height

Q = No. of bolts required/Pole.

Notes:

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

Flange Plate Details



Anchor Bolt Details

