

SPECIFICATIONS

Shaft

Square, fabricated from high grade structural steel tube. Shaft conforms to ASTM-A-501-68 specifications. Meets or exceeds minimum yield strength of 46,000 P.S.I. wall thickness 11 GA. (.120 wall) or 7 GA. (.180 wall) as specified. Shaft is furnished with ground lug located inside pole on wall opposite hand hole.

Drilling Side Mount

A removable pole cap is included. Pole will be drilled to match customer provided drilling template.

Pole Top Mount

Standard pole top mount is a tenon, with options available in the Mounting column. A steel pipe pole top mount is available as an option. For other pole top configurations, please consult the factory.

Hand Hole Cover

All square Steel Poles - Supplied with reinforced steel 2 5/8" x 4 5/8" access opening. Hand Hole provided with rectangular 3"x5" stamped heavy gauge aluminum material, Sealed door is secured by a formed aluminum bar and a stainless steel, tamper proof screw.

Base Plate

Fabricated from structural quality hot rolled steel. Meets or exceeds minimum yield strength of 36,000 P.S.I. Base telescopes and is circumferentially welded to pole shaft. Slotted bolt holes provide 1" flexibility on either side of bolt circle centerline.

Anchorage

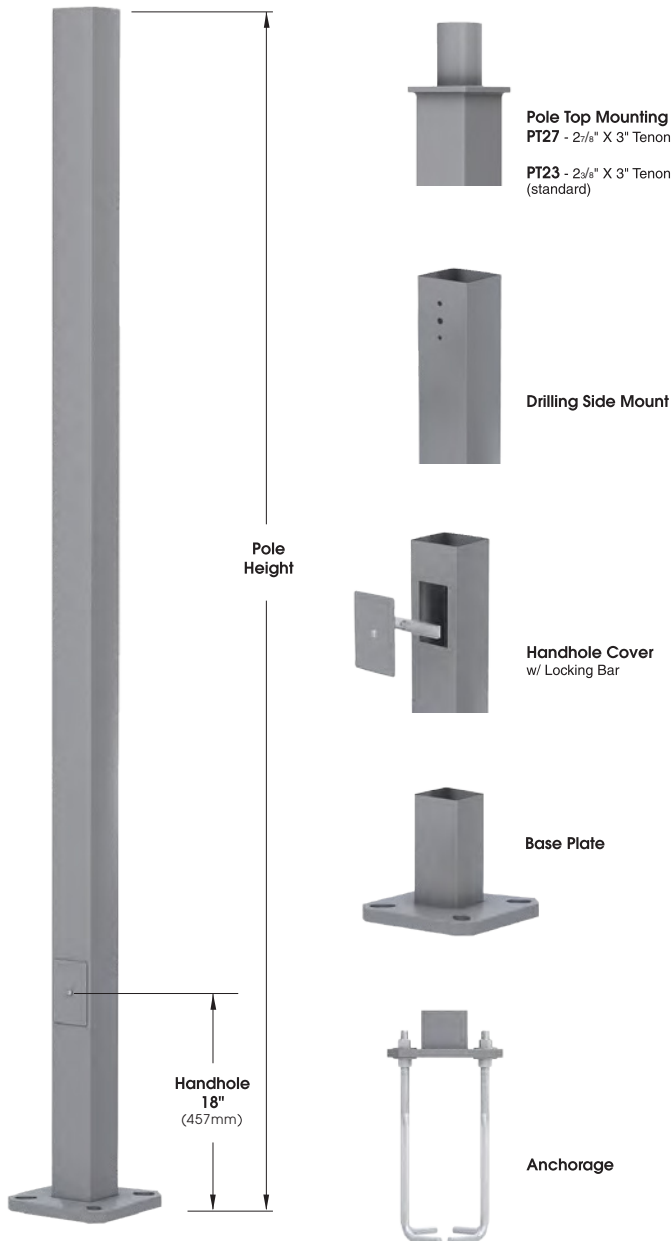
(4) anchor bolts fabricated from hot rolled steel bar. Minimum yield strength of 50,000 P.S.I. Bolts have "L" bend on one end and are threaded on the other. Bolts are fully galvanized and are furnished with two nuts and two washers.

Base Cover

Fabricated from heavy wall aluminum construction. Two piece cover conceals base.

Finish

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

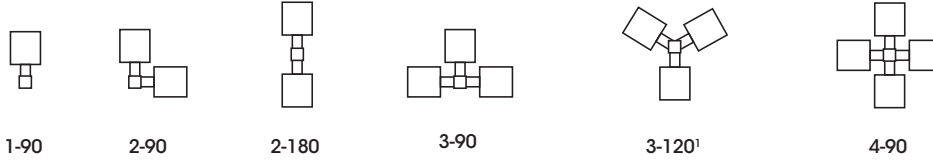


Pole Model	Pole Sq.	Pole Height
HL-SNTS4	4"	10' - 25'
HL-SNTS5	5"	18' - 25'
HL-SNTS6	6"	20' - 25'



DRILLING SIDE MOUNT

Street Side



Sidewalk Side

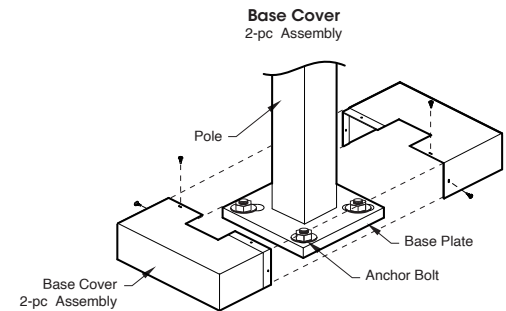
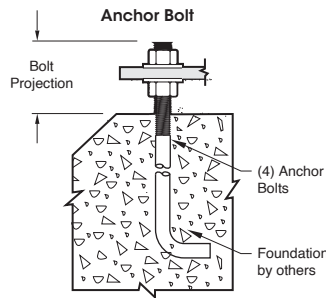
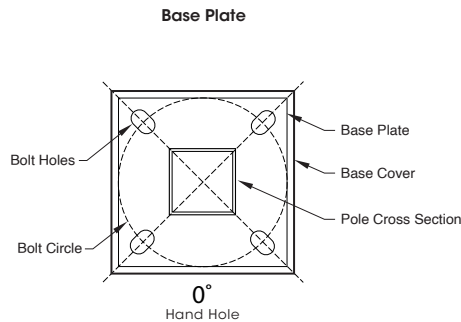
Hand Hole located on Sidewalk Side

Notes

1- Requires PT27 and T3120 adaptor. (adaptor is rotatable)

[Drilling template must be provided by customer]

BOLT CIRCLE



Catalog Number	POLE								ANCHOR BOLTS				ANCHOR PLATE		
	Height		Bottom - Top				Wall Thickness (In/Ga)	Weight (Lbs)	Bolt Size	Bolt Projection above grade ^{2,3}	Bolt Circle Dia Range ¹	Bolt Circle Dia (In) (Rec.) ¹	Template	Base Plate	Cover
	Ft	M	In		Cm										
HL-SNTS 104 - 11	10	3.05	4.00	4.00	10.16	10.16	11	86	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	HL9	¾" x 10" x 10"	5" x 12" x 12"
HL-SNTS 124 - 11	12	3.66	4.00	4.00	10.16	10.16	11	99	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	HL9	¾" x 10" x 10"	5" x 12" x 12"
HL-SNTS 144 - 11	14	4.27	4.00	4.00	10.16	10.16	11	112	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	HL9	¾" x 10" x 10"	5" x 12" x 12"
HL-SNTS 154 - 11	15	4.57	4.00	4.00	10.16	10.16	11	118	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	HL9	¾" x 10" x 10"	5" x 12" x 12"
HL-SNTS 164 - 11	16	4.88	4.00	4.00	10.16	10.16	11	124	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	HL9	¾" x 10" x 10"	5" x 12" x 12"
HL-SNTS 184 - 11	18	5.49	4.00	4.00	10.16	10.16	11	137	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	HL9	¾" x 10" x 10"	5" x 12" x 12"
HL-SNTS 204 - 11	20	6.10	4.00	4.00	10.16	10.16	11	150	¾" x 24" x 3"	¾" - ¾"	8" - 11"	10"	HL10	¾" x 10" x 10"	5" x 12" x 12"
HL-SNTS 204 - 7	20	6.10	4.00	4.00	10.16	10.16	7	210	¾" x 30" x 3"	¾" - ¾"	8" - 11"	11"	HL11	¾" x 10" x 10"	5" x 12" x 12"
HL-SNTS 254 - 11	25	7.62	4.00	4.00	10.16	10.16	11	181	¾" x 24" x 3"	¾" - ¾"	8" - 11"	11"	HL11	¾" x 10" x 10"	5" x 12" x 12"
HL-SNTS 254 - 7	25	7.62	4.00	4.00	10.16	10.16	7	257	¾" x 30" x 3"	¾" - ¾"	8" - 11"	11"	HL11	¾" x 10" x 10"	5" x 12" x 12"
HL-SNTS 185 - 11	18	5.49	5.00	5.00	12.70	12.70	11	171	1" x 36" x 4"	4" - 4½"	10½" - 12½"	12"	HL12	1" x 1½" x 1½"	5" x 12" x 12"
HL-SNTS 205 - 11	20	6.10	5.00	5.00	12.70	12.70	11	187	1" x 36" x 4"	4" - 4½"	10½" - 12½"	12"	HL12	1" x 1½" x 1½"	5" x 12" x 12"
HL-SNTS 205 - 7	20	6.10	5.00	5.00	12.70	12.70	7	234	1" x 36" x 4"	4" - 4½"	10½" - 12½"	12"	HL12	1" x 1½" x 1½"	5" x 12" x 12"
HL-SNTS 255 - 11	25	7.62	5.00	5.00	12.70	12.70	11	227	1" x 36" x 4"	4" - 4½"	10½" - 12½"	12"	HL12	1" x 1½" x 1½"	5" x 12" x 12"
HL-SNTS 255 - 7	25	7.62	5.00	5.00	12.70	12.70	7	323	1" x 36" x 4"	4" - 4½"	10½" - 12½"	12"	HL12	1" x 1½" x 1½"	5" x 12" x 12"
HL-SNTS 206 - 7	20	6.10	6.00	6.00	15.24	15.24	7	322	1" x 36" x 4"	4" - 4½"	11½" - 14½"	12"	HL12	1" x 1¾" x 1¾"	5" x 14" x 14"
HL-SNTS 256 - 7	25	7.62	6.00	6.00	15.24	15.24	7	393	1" x 36" x 4"	4" - 4½"	11½" - 14½"	12"	HL12	1" x 1¾" x 1¾"	5" x 14" x 14"

1 - Not using correct bolt size or "(REC.) Recommended" Bolt Circle could result in Pole's failure.

2 - Bolt Projection is calculated for slopes with 3 degrees or less.

3 - For slopes greater than 3 degrees, please add Bolt Length Projection as necessary.

ORDERING INFORMATION

Spec/Order Example: HL-SNTS124-11/2-180/7004-S

Pole Model Number			Mounting	Finish	Options	
4" Pole Dia.	HL-SNTS 104 - 11	10'	11	Tenon Mount	Standard Smooth Finish	VBDS-M2 Vibration Dampener 2nd Mode Field Install
	HL-SNTS 124 - 11	12'	11			
	HL-SNTS 144 - 11	14'	11			
	HL-SNTS 154 - 11	15'	11			
	HL-SNTS 164 - 11	16'	11			
	HL-SNTS 184 - 11	18'	11	Other Tenon Mt _____		Receptacle
	HL-SNTS 204 - 11	20'	11			
	HL-SNTS 204 - 7	20'	7			
	HL-SNTS 254 - 11	25'	11			
	HL-SNTS 254 - 7	25'	7			
5" Pole Dia.	HL-SNTS 185 - 11	18'	11	Drill Mount	Premium Finishes	GFI G.F.I. Receptacle w/ Cover GFI-IU G.F.I. Receptacle w/ In-Use Cover [Specify GFI location: Height and Direction] See Location Diagram below
	HL-SNTS 205 - 11	20'	11			
	HL-SNTS 205 - 7	20'	7			
	HL-SNTS 255 - 11	25'	11			
	HL-SNTS 255 - 7	25'	7			
6" Pole Dia.	HL-SNTS 206 - 7	20'	7	3-120 requires PT27 and T3120 Adapter [Drilling template must be provided by customer]		T3120 3 Way Adapter [Drilling template must be provided by customer]
	HL-SNTS 256 - 7	25'	7			
Other heights available Please consult factory						

Other heights available
Please consult factory

ACCESSORIES



GFI
Duplex GFI
w/ Cover



GFI-IU
Duplex GFI w/
In-Use Cover



T3120
3 Way Adapter

(Drilling template must
be provided by
customer)



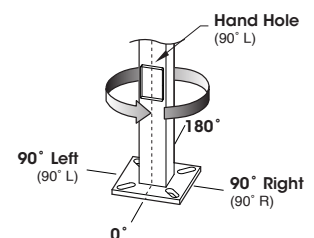
CPLN
1/2", 3/4", 1 1/4", 1 1/2",
or 2" Coupling



NPLE
1/2", 3/4", 1 1/4", 1 1/2",
or 2" Nipple

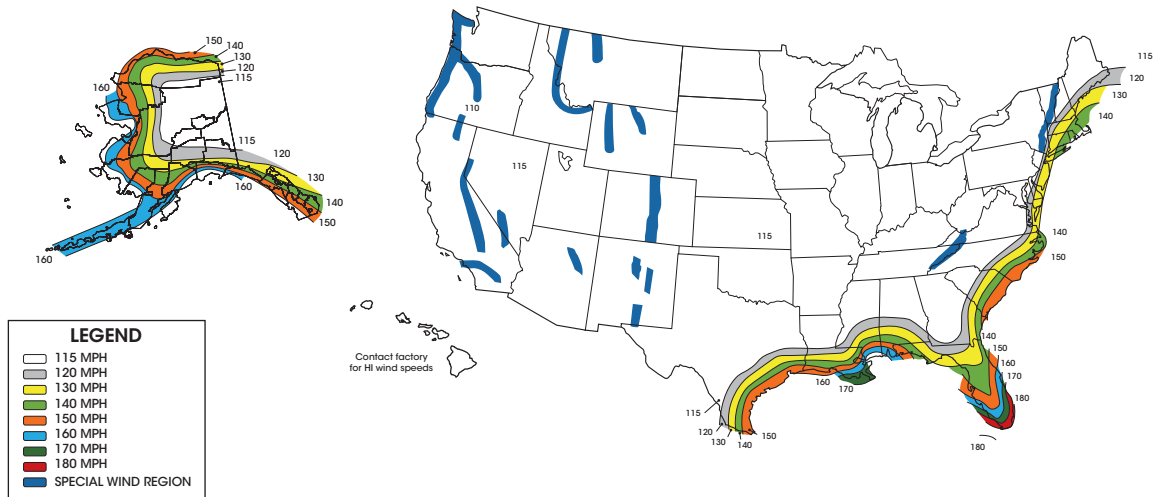
Location Diagram

Please use this diagram to indicate placement location



Refer to the Accessories Section for other options

WIND MAP



EPA INFORMATION (ft²)

(per AASHTO LRFDLTS-1 revised 2022)

Cat. No.	Weight Capacity Maximum (Lbs.)	100 MPH	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
HL-SNTS 104-11	300 - 287*	15.0	15.0	15.0	15.0	15.0	15.0	13.0	10.8	9.5	8.2
HL-SNTS 124-11	300 - 199.5*	15.0	15.0	15.0	15.0	13.9	11.7	9.5	7.9	6.5	5.7
HL-SNTS 144-11	300 - 189*	15.0	15.0	15.0	15.0	14.2	11.4	9.8	8.2	6.8	5.4
HL-SNTS 154-11	300 - 94.5*	15.0	15.0	13.7	11.9	9.7	7.5	5.9	4.7	3.9	2.7
HL-SNTS 164-11	300 - 63*	15.0	12.8	11.4	9.8	8.0	6.0	4.6	3.8	2.8	1.8
HL-SNTS 184-11	300 - 60*	13.2	10.0	9.0	7.6	6.0	4.4	3.2	2.2	1.4	0.4
HL-SNTS 204-11	300 - 60*	12.6	9.4	8.4	7.2	5.0	3.8	2.6	1.6	0.8	0.0
HL-SNTS 204-7	300 - 60*	14.4	11.2	9.8	8.2	6.4	4.8	3.4	2.0	1.4	0.4
HL-SNTS 254-11	300 - 60*	15.0	11.4	8.2	5.6	4.2	3.6	1.8	0.8	0.0	0.0
HL-SNTS 254-7	300 - 60*	15.0	14.0	10.4	8.6	7.0	5.6	4.4	3.3	2.2	1.2
HL-SNTS 185-11	300 - 182*	15.0	15.0	15.0	15.0	12.8	10.0	8.0	6.6	5.2	
HL-SNTS 205-11	300 - 112*	15.0	15.0	15.0	15.0	12.6	9.8	7.8	6.0	4.2	3.2
HL-SNTS 205-7	300 - 154*	15.0	15.0	15.0	15.0	14.8	12.0	9.2	7.2	5.8	4.4
HL-SNTS 255-11	300 - 60*	15.0	11.6	9.8	8.6	6.0	3.6	2.0	1.0	0.0	0.0
HL-SNTS 255-7	300 - 87.5*	15.0	14.2	12.2	10.2	7.6	10.4	7.4	5.4	3.8	2.5
HL-SNTS 206-7	300 - 287*	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0	9.6	8.2
HL-SNTS 256-7	300 - 199.5*	12.4	12.0	11.7	11.4	11.0	10.5	10.1	8.3	6.8	5.7

EPA INFORMATION (ft²)

(per 2020 FL Building Code)

Cat. No.	Weight Capacity Maximum (Lbs.)	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
HL-SNTS 104-11	300 - 259*	15.0	14.2	12.9	11.7	9.7	8.6	7.4
HL-SNTS 124-11	300 - 178.5*	11.4	10.3	9.4	8.6	7.1	5.9	5.1
HL-SNTS 144-11	300 - 171.5*	11.7	10.7	9.7	8.8	7.4	6.1	4.9
HL-SNTS 154-11	249 - 84*	7.1	6.4	5.8	5.3	4.2	3.5	2.4
HL-SNTS 164-11	193 - 60*	5.5	5.0	4.6	4.1	3.4	2.5	1.6
HL-SNTS 184-11	133 - 60*	3.8	3.5	3.2	2.9	2.0	1.3	0.4
HL-SNTS 204-11	109 - 60*	3.1	2.8	2.6	2.3	1.4	0.7	0.0
HL-SNTS 204-7	144 - 60*	4.1	3.7	3.4	3.1	1.8	1.3	1.0
HL-SNTS 254-11	60	1.2	1.1	1.0	0.0	0.0	0.0	0.0
HL-SNTS 254-7	60	1.3	1.2	1.1	1.0	0.4	0.0	0.0
HL-SNTS 185-11	300 - 164.5*	12	10.9	9.9	9.0	7.2	5.9	4.7
HL-SNTS 205-11	300 - 101.5*	9.3	8.5	7.7	7.0	5.4	3.8	2.9
HL-SNTS 205-7	300 - 140*	11.0	10.0	9.1	8.3	6.5	5.2	4.0
HL-SNTS 255-11	84 - 60*	2.4	2.2	2.0	1.8	0.9	0.0	0.0
HL-SNTS 255-7	133 - 60*	3.8	3.5	3.2	2.9	2.3	1.6	1.0
HL-SNTS 206-7	300 - 84*	9.0	8.2	7.4	6.8	5.0	3.7	2.4
HL-SNTS 256-7	161 - 60*	4.6	4.2	3.8	3.5	2.8	1.9	1.2

* Please use the following to obtain the proper weight capacity: The maximum fixture weight equals 60 lbs. or the product of 35 lbs. x the EPA value, whichever is greater, not to exceed 300 lbs. Example, EPA = 2.2 , weight = 35 lbs. x 2.2 EPA = 77 lbs.

Notes

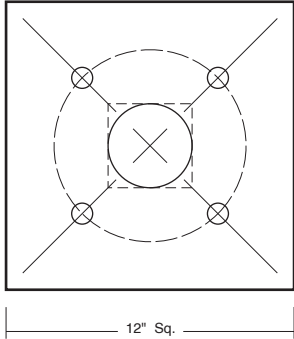
- Specifier is responsible for correct pole selection. For proper pole choice, the specifier must consider the total EPA of fixtures, banners, arms, and any other accessories attached to pole assembly.
- ALL EPAs are calculated for ground installations. For installations on bridges, buildings or other structures, the specifier must contact the factory or consult with a structural Engineer
- Unpredictable aerodynamic forces such as wind-induced vibrations are not included in wind velocity ratings or EPA ratings.
- Wind gust factors are considered in developing all EPA chart data.

To mitigate 2nd Mode (Aeolian) Vibration please read the following Recommendations:

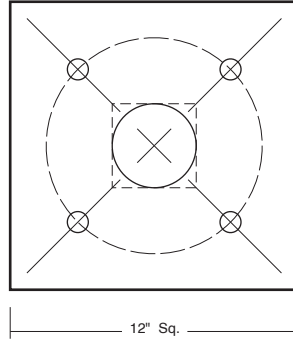
- We do not recommend the installation of poles without a fixture; such installation have been known to fail due to high pole vibrations. Replace with note 1 above
- Pole installations with a combined (fixtures, banners, flags, etc.) of less than 0.75 ft² EPA and 25 feet or taller should be installed with a vibration dampener. Please consult with your site structural engineer.

ANCHOR BOLT TEMPLATES
HL8

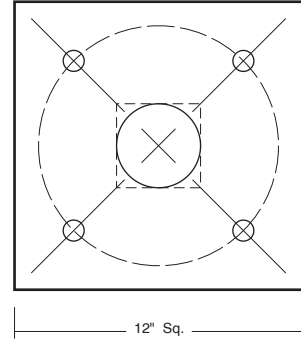
8" Bolt Circle


HL9

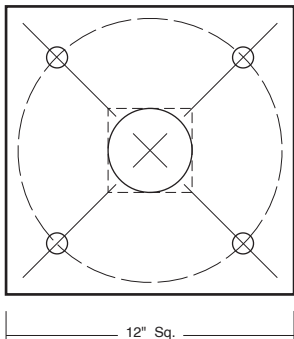
9" Bolt Circle


HL10

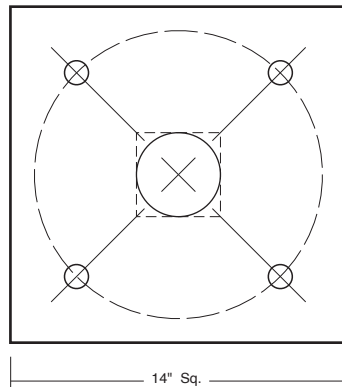
10" Bolt Circle


HL11

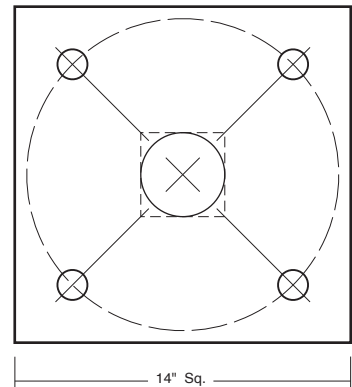
11" Bolt Circle


HL12

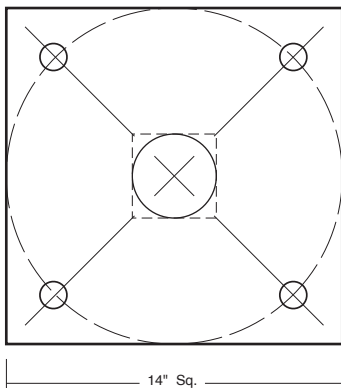
12" Bolt Circle


HL13

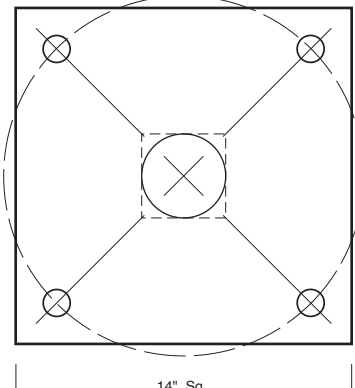
13" Bolt Circle


HL14

14" Bolt Circle


HL15

15" Bolt Circle


HL16

16" Bolt Circle

