



aboveground tank saddles

approved two-saddle design for UL-142 tanks

HT-1071

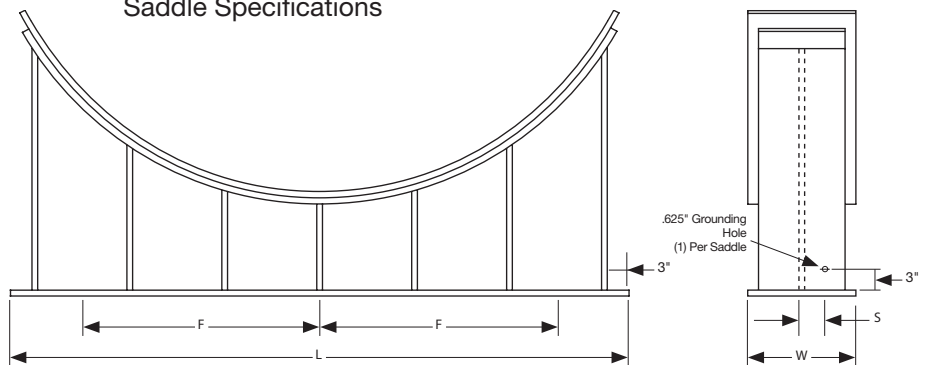
PRODUCT DETAILS

UL Saddles are designed for a specific diameter horizontal storage tank and fabricated to the latest UL-142® design standards. They can be welded directly to the tank or shipped loose.

Saddle Features

- Heavy-duty UL-142® steel construction for long-term durability
- Standard saddles provide 6" of clearance and are available up to 12" high (Saddles higher than 12" must be protected with a fire resistant material with a two-hour fire rating)
- Only two properly positioned saddles per tank required
- Four 1-1/8" diameter bolt holes are provided to secure the saddles to the concrete pad or piers
- Saddles are painted to the same specifications as the tank

Saddle Specifications



Tank Diameter	Base Plate Dimensions		Bolt Hole Locations from Centerline	
	Length (L)	Width (W)	Front (F)	Side (S)
*3'-2"	35"	8"	7.5"	2"
*4'-0"	44"	8"	12"	2"
5'-4"	58"	8"	14"	2"
6'-0"	65"	8"	17.5"	2"
8'-0"	87"	10"	28.5"	2"
9'-0"	98"	10"	34"	2"
10'-0"	108"	10"	39"	2"
10'-6"	114"	10"	42"	2"
12'-0"	130"	12"	50"	3"
13'-0"	140"	12"	55"	3"

*For tanks 3,000 gallons and larger

Our tank saddles are used to provide longitudinal support, maintain the tank's position and elevation and help minimize corrosion. They also provide clearance for complete visual inspection of the underside of the tanks.

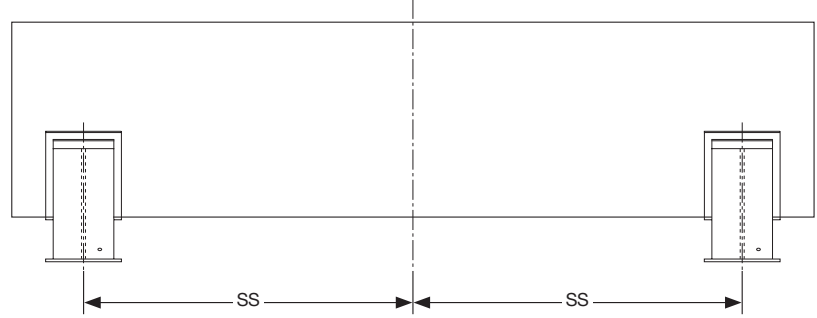
Highland's integral seal-welded tank saddles are constructed in accordance with Underwriter's Laboratories, Inc. and designed to support the full load of tank and contents. Our two saddle system is easy to install and service.

The storage tank and saddles must be designed to accommodate loads resulting from the weight of the tank and its contents, external equipment and environmental conditions. Additionally, the tank saddles can be anchored to a concrete pad to help protect the tank from movement or flotation. In areas subject to damaging wind, water or earthquakes, the design of the supporting structure and connections for the storage tank shall require special engineering consideration.

The design and construction of tank supports and foundations is critical and should only be undertaken and supervised by competent professionals.

All dimensions are approximate. Please refer to project-specific Highland Tank drawings for exact dimensions.

Tank Saddle Spacing Specifications



Nominal Capacity (Gallons)	Diameter	Tank Dimensions Length	Saddle Spacing (SS) Centerline of tank to centerline of saddle
185	3'2"	3'-4"	11"
240	3'2"	4'-0"	1'-3"
300	3'2"	5'-0"	1'-9"
500	4'0"	5'-5"	20.5"
1,000	4'0"	10'-9"	4'-0"
1,000	5'4"	6'-0"	2'-6"
1,500	5'4"	9'-0"	3'-2"
2,000	5'4"	12'-0"	4'-8"
3,000	5'4"	18'-0"	7'-8"
4,000	5'4"	24'-0"	10'-8"
4,000	6'0"	19'-0"	8'-0"
4,000	8'0"	10'-8"	3'-4"
5,000	6'0"	23'-10"	10'-5"
5,000	8'0"	13'-4"	4'-8"
6,000	6'0"	28'-8"	12'-10"
6,000	8'0"	16'-0"	6'-0"
8,000	8'0"	21'-4"	8'-8"
8,000	10'0"	14'-0"	4'-6"
10,000	8'0"	26'-8"	11'-4"
10,000	10'0"	17'-0"	6'-0"
12,000	8'0"	32'-0"	14'-0"
12,000	10'0"	20'-6"	7'-9"
15,000	8'0"	40'-0"	18'-0"
15,000	10'0"	25'-6"	10'-3"
20,000	10'0"	34'-0"	14'-6"
20,000	10'6"	31'-0"	12'-10.5"
25,000	10'6"	38'-9"	16'-9"
30,000	10'6"	46'-6"	20'-7.5"
40,000	12'0"	47'-6"	20'-9"
50,000	12'0"	59'-6"	26'-9"
60,000	12'0"	71'-0"	32'-6"
60,000	13'0"	60'-6"	25'-10"



Highland Tank®

Stoystown, PA
One Highland Road
Stoystown, PA 15563-0338
814.893.5701

Manheim, PA
4535 Elizabethtown Road
Manheim, PA 17545-9410
717.664.0600

Watervliet, NY
958 19th Street
Watervliet, NY 12189-1752
518.273.0801

Greensboro, NC
2700 Patterson Street
Greensboro, NC 27407-2317
336.218.0801

Lebanon, PA
2225 Chestnut Street
Lebanon, PA 17042-2504
717.664.0602

Friedens, PA
1510 Stoystown Road
Friedens, PA 15541-7402
814.443.6800

Clarkston, MI
4701 White Lake Road
Clarkston, MI 48346-2554
248.625.8700

Mancelona, MI
9517 Lake Street
Mancelona, MI 49659-7968
231.587.8412



PROUDLYMADEINAMERICA