

# WATERTIGHT (FLOODTIGHT / GASTIGHT) ANGLE FRAME, HEAVY-DUTY, SINGLE DOOR

## ALUMINUM

The heavy-duty watertight (floodtight/gastight) angle frame floor access door is designed for interior and exterior applications where water and gastightness are required. It is designed for off-street locations that may occasionally receive AASHTO H20-44 wheel loads.

**SPECIFICATIONS:** The watertight (floodtight/gastight) floor access door shall be Model W-AHS as manufactured by U.S.F. Fabrication, Inc. with the size being specified on the plans. Door leaf shall be 1/4-inch thick aluminum diamond plate reinforced for an AASHTO H20-44 wheel load (capable of holding up to 25 ft. head of water). Upon request, manufacturer shall provide structural calculations showing that the door design meets the loading requirements of AASHTO H20-44. (The access door is designed for off-street locations that may occasionally receive AASHTO H20-44 wheel loads.) The bottom of the cover shall have a continuous groove to securely hold a 9/16-inch diameter EPDM gasket around its perimeter. The cover shall have 316 stainless steel floodtight cam locks to compress the gasket so that the door will not leak from standing water. The frame shall be 3/8-inch thick material with 3/16" x 1-1/2" strap anchors welded around the frame for casting into concrete. The floor access door shall be equipped with a flush floodtight handle that does not protrude above the cover, and a 316 stainless steel hold open arm with red vinyl grip that automatically keeps the cover in its upright, open position. The door shall have 316 stainless steel hinges with 316 stainless steel flat head bolts. Installation shall be in accordance with the manufacturer's attached instructions. The entire frame including the seat on which the reinforcing rests shall be supported by concrete or other material designed to support the specified load. An adhesive backed vinyl material that protects the product during shipping and installation shall cover the entire top of the frame and cover. The door shall be manufactured and assembled in the United States. Manufacturer shall guarantee the door against defects in materials and workmanship for a period of ten years.

### OPTIONAL FEATURES

- Stainless steel horizontal springs or gas shocks for easy opening
- Cylinder lock
- Frame skirts for easy casting into a concrete top slab
- Nut rails with stainless steel sliding nuts for attaching cable holders, brackets & other hardware
- Fiberglass insulation with metal liner
- Custom lettering
- Anodized finish
- Stainless steel safety chains with aluminum support posts
- Fall Through Protection Systems
- Slip resistant surface bonded to cover plate
- All steel or stainless steel material

### H-20 LOADING\*\*\*\*

MODEL	COVER THK	FRAME OPENING***		CLEAR OPENING**		OVERALL SIZE		WEIGHT*
	in. (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)	
W-AHS	1/4 (6)	24 (610)	24 (610)	24 (610)	24 (610)	37 3/8 (949)	30 (762)	84 (38)
W-AHS	1/4 (6)	24 (610)	30 (762)	24 (610)	30 (762)	37 3/8 (949)	36 (914)	101 (46)
W-AHS	1/4 (6)	24 (610)	36 (914)	24 (610)	36 (914)	37 3/8 (949)	42 (1067)	117 (53)
W-AHS	1/4 (6)	30 (762)	30 (762)	30 (762)	30 (762)	43 3/8 (1102)	36 (914)	125 (57)
W-AHS	1/4 (6)	30 (762)	36 (914)	30 (762)	36 (914)	43 3/8 (1102)	42 (1067)	136 (62)
W-AHS	1/4 (6)	30 (762)	48 (1219)	30 (762)	48 (1219)	43 3/8 (1102)	54 (1372)	176 (80)
W-AHS	1/4 (6)	36 (914)	36 (914)	36 (914)	36 (914)	49 3/8 (1254)	42 (1067)	156 (71)
W-AHS	1/4 (6)	36 (914)	48 (1219)	36 (914)	48 (1219)	49 3/8 (1254)	54 (1372)	201 (91)

\*Weight shown is of our standard hatch only, and does not include any optional features. \*\*Also referred to as "Actual Opening" which can vary to suit application. \*\*\*Also referred to as "Concrete Opening" when door is cast into concrete. \*\*\*\* AHS aluminum floor access doors are intended for off-street locations that may occasionally receive AASHTO H20-44 wheel loads (16,000 lbs. over 10" x 20" area + 30% impact factor), and capable of holding 25 ft. head of water.

**CUSTOM SIZES READILY AVAILABLE**