

# ANGLE FRAME, HEAVY-DUTY, SINGLE DOOR

## STEEL

The heavy-duty angle type floor access door is designed for interior and exterior applications where watertightness is not required. It is designed for off-street locations that may occasionally receive AASHTO H20-44 wheel loads.

**SPECIFICATIONS:** The floor access door shall be Model 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 steel diamond plate reinforced for an AASHTO H20-44 wheel load. Upon request, manufacturer shall provide structural calculations showing that the door design meets the loading requirements of AASHTO H20-44. (The floor access door is designed for off-street locations that may occasionally receive AASHTO H20-44 wheel loads.) The frame shall be 1/4-inch thick steel angle with anchors welded to frame for casting into concrete. The floor access door shall be equipped with a flush steel lifting 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 tamper resistant hinges with recessed stainless steel pins and lugs. The door shall have stainless steel open horizontal springs to assist in opening the cover and reducing the force during closing. The door shall be equipped with a watertight 316 stainless steel slamlock with threaded plug, removable outside key, and fixed inside handle. The slamlock latches onto a 316 stainless steel striker plate that is bolted to the frame. The floor access door shall be furnished with one coat of shop primer. 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. 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 five years.

## OPTIONAL FEATURES

- Stainless steel horizontal springs or gas shocks for easy opening
- Recessed staple and other locking devices
- 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 line
- Custom lettering
- Stainless steel safety chains with aluminum support posts
- Fall Through Protection Systems
- Hot dipped galvanized finish
- Mill finish (no shop primer)
- All 304 stainless steel material
- All 316 stainless steel material
- Slip resistant surface bonded to cover plate

## 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)	Lbs.(KG)
AHS	1/4 (6)	24 (610)	24 (610)	23 (584)	23 (584)	31 (787)	30 (762)	161 (73)
AHS	1/4 (6)	24 (610)	36 (914)	23 (584)	35 (889)	31 (787)	42 (1067)	233 (106)
AHS	1/4 (6)	30 (762)	30 (762)	28 (711)	29 (737)	37 (940)	36 (914)	252 (114)
AHS	1/4 (6)	30 (762)	36 (914)	28 (711)	35 (889)	37 (940)	42 (1067)	293 (133)
AHS	1/4 (6)	30 (762)	48 (1219)	28 (711)	47 (1194)	37 (940)	54 (1372)	382 (173)
AHS	1/4 (6)	36 (914)	36 (914)	34 (864)	35 (889)	43 (1092)	42 (1067)	340 (154)

\*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 steel 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). **For parking lot applications, see P-AHS and P-AHD. For direct traffic applications, see steel DT-AHS and DT-AHD. For continuous traffic applications, see cast iron frames & covers.**

**CUSTOM SIZES READILY AVAILABLE**