

PARKING LOT TRAFFIC

ANGLE FRAME, HEAVY-DUTY, DOUBLE 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 AASHTO H-20-44 wheel loads in parking lots and alleyways where traffic speeds will not exceed 15 mph.

SPECIFICATIONS: The floor access door shall be Model P-AHD as manufactured by U.S.F. Fabrication, Inc., with the size being specified on the plans. Door leaves shall be 1/4-inch thick steel diamond plate reinforced for an AASHTO H-20-44 wheel load. Upon request, manufacturer shall provide structural calculations showing that the door design meets the loading requirements of AASHTO H-20-44. The frame shall be 1/4-inch thick steel angle with anchors welded to the frame for casting into concrete. In the closed position, the covers shall be bolted to the frame with 316 stainless steel bolts. (The bolts must be securely fastened whenever the covers are closed to insure safe and proper performance of the door.) The floor access door shall be equipped with a flush steel lifting handle that does not protrude above the cover, and 316 stainless steel hold open arms with red vinyl grips that automatically lock the covers in their upright, open positions. A steel skirt shall be welded to the frame to provide a combined height equal to the depth of the concrete slab. The door shall have tamper resistant hinges with recessed stainless steel pins and lugs. The door shall have open, stainless steel, vertical, compression springs to assist in opening the door and reducing the force during closing. The floor access door shall have a hot-dipped galvanized finish. 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

- Enclosed stainless steel springs
- Skirts for concrete slabs deeper than 12 inches
- Nut rails with stainless steel sliding nuts for attaching hardware
- Custom lettering
- Stainless steel safety chains and posts
- Fall Through Protection Systems
- All 304 stainless steel material
- All 316 stainless steel material
- Slip resistant surface bonded to cover plate

H-20 LOADING****								
MODEL	MAT'L 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)
P-AHD	1/4 (6)	30 (762)	48 (1219)	30 (762)	45 (1143)	38 (965)	56 (1422)	614 (279)
P-AHD	1/4 (6)	30 (762)	54 (1372)	30 (762)	51 (1295)	38 (965)	62 (1575)	660 (299)
P-AHD	1/4 (6)	36 (914)	48 (1219)	36 (914)	45 (1143)	44 (1118)	56 (1422)	695 (315)
P-AHD	1/4 (6)	36 (914)	60 (1524)	36 (914)	57 (1448)	44 (1118)	68 (1727)	844 (383)
P-AHD	1/4 (6)	42 (1067)	48 (1219)	42 (1067)	43 (1092)	50 (1270)	56 (1422)	850 (386)
P-AHD	1/4 (6)	48 (1219)	48 (1219)	48 (1219)	43 (1092)	56 (1422)	56 (1422)	926 (420)
P-AHD	1/4 (6)	48 (1219)	54 (1372)	48 (1219)	49 (1245)	56 (1422)	62 (1575)	963 (437)
P-AHD	1/4 (6)	48 (1219)	72 (1829)	48 (1219)	67 (1702)	56 (1422)	80 (2032)	1246 (565)
P-AHD	1/4 (6)	60 (1524)	60 (1524)	60 (1524)	53 (1346)	68 (1727)	68 (1727)	1386 (629)

*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. ****P-AHD steel floor access doors are intended for parking lot traffic locations where the posted speed does not exceed 15 mph and will receive AASHTO H-20-44 wheel loads (16,000 lbs. over 10" x 20" area + 30% impact factor). For direct traffic applications, see steel DT-AHS and DT-AHD. For continuous traffic applications, see cast iron frames & covers.

CUSTOM SIZES READILY AVAILABLE