

# FS and FD Cast Hub Device Boxes

UNILETS™ for use with Threaded Rigid Conduit and IMC. All Device Boxes have Ridge Top Construction. Furnished with Internal Ground Screw.

**NEC:**  
*Listed for Ordinary Locations*

## Applications

- Accommodate wiring devices such as switches and receptacles.
- Provide excellent service in areas where boxes are subject to rough usage.
- Serve as pull boxes for conductors.
- Permit access to conductors for maintenance.
- Provide openings for making splices.
- Allow connections for branch conduit runs.
- Blank bodies for special conduit entrance arrangements.

## Features

- Corrosion-resistant — ideal for indoor and outdoor installations.
- Weatherproof, raintight and dust-tight when used with cast gasketed covers.
- FS and FD boxes take standard flush wiring devices.
- FD boxes take devices exceeding 41.4 mm (1.63 in) in depth under fastening ears.
- Malleable iron for high tensile strength and ductility — provides greater resistance to impact and shock.
- Both malleable iron and aluminum boxes have ridge top construction for positive cover/gasket/box fit.
- Accurately tapped, tapered threads for tight, rigid joints, ground continuity.
- Complete selection of covers, receptacles, plugs, gaskets and accessories.
- Covers have captive stainless steel screws to speed installation, prevents loss of screws.
- Internal grounding screws standard.
- Available in single, two and three gang and tandem.
- Smooth, rounded integral bushing in each hub protects conductor insulation.

## Standard Materials

- Boxes: malleable iron or copperfree (4/10 of 1% max.) aluminum
- Covers: malleable iron, steel, or copperfree (4/10 of 1% max.) aluminum
- Screws: stainless steel
- Gaskets: neoprene

## Standard Finishes

- Malleable iron boxes and covers: triple-coat — (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat
- Aluminum boxes and covers: epoxy powder coat
- Steel covers: zinc electroplate

## NEC Certifications and Compliances

- UL Standard: 514A
- UL Listed: E2527
- NEMA Standard: FB-1



## Illustrated Features



Gasket is designed so that it wraps around ridge top of Appleton™ aluminum or malleable iron device box. Result is a positive seal against moisture.



Gasket construction.  
Cover tightens on largest perimeter of gasket and fits snugly against portion of gasket that wraps around ridge top of box.

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FS Box (Shallow) 2.00" deep, FD Box (Deep) 2.69" deep, ED (Extra Deep) 3.06" deep

	Type	Depth	Trade Size (Inches)	Catalog Number	
				Malleable Iron Ridge Top	Aluminum Ridge Top
	FS	Shallow	1/2	FS-1-50	FS-1-50-A
			3/4	FS-1-75	FS-1-75-A
			1	FS-1-100	FS-1-100-A
	FD	Deep	1/2	FD-1-50	FD-1-50-A
			3/4	FD-1-75	FD-1-75-A
			3/4	FD-1-75ED	FD-1-75-AED
	FSC	Shallow	1/2	FSC-1-50	FSC-1-50-A
			3/4	FSC-1-75	FSC-1-75-A
			1	FSC-1-100	FSC-1-100-A
	FDC	Deep	1/2	FDC-1-50	FDC-1-50-A
			1/2	FDC-1-50ED	—
			3/4	FDC-1-75	FDC-1-75-A
3/4	FDC-1-75ED	FDC-1-75-AED			
	FSS	Shallow	1/2	FSS-1-50	FSS-1-50-A
			3/4	FSS-1-75	FSS-1-75-A
	FDS	Deep	1/2	FDS-1-50	FDS-1-50-A
			3/4	FDS-1-75	FDS-1-75-A
			1	FDS-1-100	FDS-1-100-A
		FSLA	Shallow	1/2	FSLA-1-50
3/4				FSLA-1-75	—

COMMERCIAL AND INDUSTRIAL FITTINGS: CAST DEVICE BOXES

APPLETON™

Shaded boxes include mounting feet (feet not shown for boxes on this page).

# FS and FD Cast Hub Device Boxes

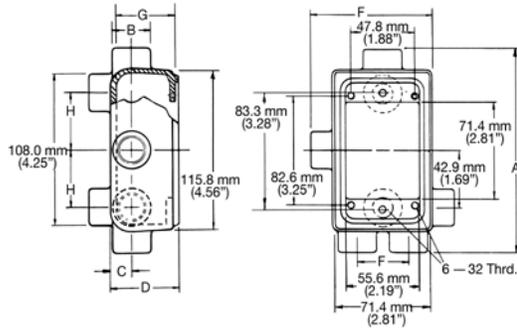
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## Wiring Capacity

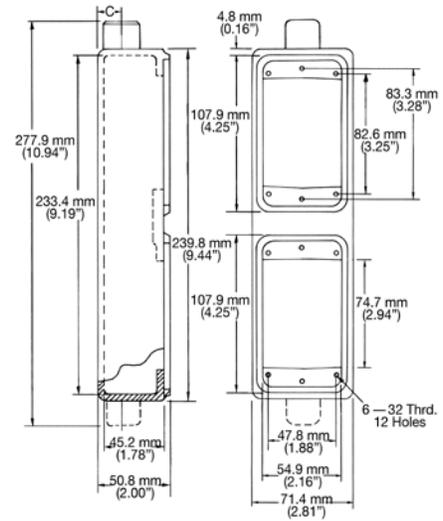
Hub Size (Inches)	Capacity — dm <sup>3</sup> (in <sup>3</sup> )		
	Single-Gang FS	Single-Gang FD	Two-Gang Tandem FS
1/2	0.29 (18.00)	0.41 (25.00)	0.66 (40.00)
3/4	0.29 (18.00)	0.41 (25.00)	0.66 (40.00)
1	0.29 (18.00)	0.41 (25.00)	0.66 (40.00)

## Dimensions in Millimeters (Inches)

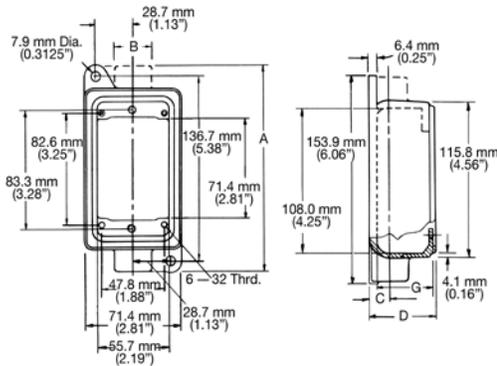
FS and FD Single Gang Boxes without lugs



FS Tandem Boxes



FS and FD Single Gang Boxes with lugs



Hub Size (Inches)	Dimensions in Millimeters (Inches)									
	D					G				
	A	B	C	“FS”	“FD”	E	F	“FS”	“FD”	H
1/2	149.4 (5.88)	28.7 (1.13)	16.0 (0.63)	50.8 (2.00)	68.3 (2.69)	38.1 (1.50)	88.9 (3.50)	45.2 (1.78)	62.0 (2.44)	42.9 (1.69)
3/4	149.4 (5.88)	35.1 (1.38)	19.1 (0.75)	50.8 (2.00)	68.3 (2.69)	52.3 (2.06)	88.9 (3.50)	45.2 (1.78)	62.0 (2.44)	38.1 (1.50)
1	160.3 (6.31)	42.9 (1.69)	23.9 (0.94)	50.8 (2.00)	68.3 (2.69)	52.3 (2.06)	88.9 (3.50)	45.2 (1.78)	62.0 (2.44)	35.1 (1.38)

COMMERCIAL AND INDUSTRIAL FITTINGS: CAST DEVICE BOXES

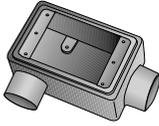
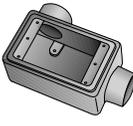
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			1	FS-1-100	FS-1-100-A		
	FD	Deep	1/2	FD-1-50	FD-1-50-A		
			1/2	FD-1-50ED	—		
			3/4	FD-1-75	FD-1-75-A		
			3/4	FD-1-75ED	—		
		1	FD-1-100	—			
		1	FD-1-100ED	—			
	FSC	Shallow	1/2	FSC-1-50	FSC-1-50-A		
			3/4	FSC-1-75	FSC-1-75-A		
			1	FSC-1-100	—		
FDC	Deep	1/2	FDC-1-50	FDC-1-50-A			
		1/2	FDC-1-50ED	—			
		3/4	FDC-1-75	FDC-1-75-A			
		3/4	FDC-1-75ED	—			
		1	FDC-1-100	—			
		1	FDC-1-100ED	—			
	FSL	Shallow	1/2	FSL-1-50	—		
			3/4	FSL-1-75	—		
	FDL	Deep	1/2	FDL-1-50	—		
			3/4	FDL-1-75	—		
	FSR	Shallow	1/2	FSR-1-50	—		
	FDR	Deep	1/2	FDR-1-50	—		
			3/4	FDR-1-75	—		
	FDA	Deep	1/2	FDA-1-50	—		
			3/4	FDA-1-75	—		
	FSS	Shallow	1/2	FSS-1-50	—		
			3/4	FSS-1-75	FSS-1-75-A		

Shaded boxes include mounting feet.

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OZ/GEDNEY