

# 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/CEC:  
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

## Options

- For additional corrosion protection, specify Hot Dip Galvanized. Add suffix “-G” to catalog number. Contact your local representative for pricing and availability.

## NEC/CEC Certifications and Compliances

- UL Standard: 514A
- UL Listed: E-18095, E2527
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Suitable for wet locations when used with gasketed covers.
- Fed Spec: A-A-50563
- NEMA Standard: FB-1



## Illustrated Features



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





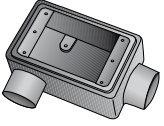
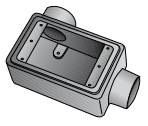
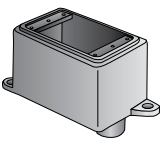

Gasket construction. Cover tightens on largest perimeter of gasket and fits snugly against portion of gasket that wraps around ridge top of box.

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NEC/CEC:  
Listed for Ordinary Locations

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
			1/2	FD-1-50ED ①	FD-1-50-AED ①
			3/4	FD-1-75	FD-1-75-A
			3/4	FD-1-75ED ①	FD-1-75-AED ①
		1	FD-1-100	—	
	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 ①	FDC-1-50-AED ①
			3/4	FDC-1-75	FDC-1-75-A
			3/4	FDC-1-75ED ①	FDC-1-75-AED ①
		1	FDC-1-100	—	
		1	FDC-1-100ED ①	FDC-1-100-AED ①	
	FDL	Deep	1/2	FDL-1-50	—
			3/4	FDL-1-75	—
<i>(extra deep without mounting feet)</i>					
	FDR	Deep	1/2	FDR-1-50	—
			3/4	FDR-1-75	—
<i>(extra deep without mounting feet)</i>					
	FDA	Deep	1/2	FDA-1-50 ①	—
			3/4	FDA-1-75 ①	—
	FSS	Shallow	1/2	FSS-1-50	—
			3/4	FSS-1-75	FSS-1-75-A

① Extra deep with mounting feet.  
Shaded boxes include mounting feet.

COMMERCIAL AND INDUSTRIAL FITTINGS: CAST DEVICE BOXES




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

	Type	Depth	Hub Size (Inches)	Catalog Number	
				Malleable Iron Ridge Top	Aluminum Ridge Top
	FSCC	Shallow	1/2	FSCC-1-50	—
			3/4	FSCC-1-75	FSCC-1-75A
	FDCC	Deep	1/2	FDCC-1-50	—
			1/2	FDCC-1-50ED ①	—
			3/4	FDCC-1-75	—
			3/4	FDCC-1-75ED ①	—
		1	FDCC-1-100	—	
	FSCT	Shallow	1/2	FSCT-1-50	—
			3/4	FSCT-1-75	—
			1	FSCT-1-100	—
	FDCT	Deep	1/2	FDCT-1-50	—
			1/2	FDCT-1-50ED ①	—
			3/4	FDCT-1-75	—
			3/4	FDCT-1-75ED ①	—
			1	FDCT-1-100	—
		1	FDCT-1-100ED ①	—	
	FSX	Shallow	1/2	FSX-1-50	—
			3/4	FSX-1-75	—
	FDX	Deep	1/2	FDX-1-50	—
			1/2	FDX-1-50ED ①	—
			3/4	FDX-1-75	—
			3/4	FDX-1-75ED ①	—

① Extra deep with mounting feet.

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Listed for Ordinary Locations

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

Type	Depth	Hub Size (Inches)	Catalog Number	
			Malleable Iron Ridge Top	Aluminum Ridge Top

FS Two-Gang Tandem Boxes – Takes single gang covers

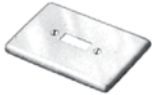







FS	Shallow	3/4	FS-2T-75	—
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# FS and FD Cast Hub Device Boxes

Steel Covers and Aluminum Covers for Ridge Top Boxes. Furnished with Stainless Steel Screws, Less Gasket.

NEC/CEC:  
Listed for Ordinary Locations

	Description	Catalog Number	
		Steel	Aluminum
	For square handle tumbler or toggle switches.	<b>FS1-SCS</b>	—
	For round receptacles. Mounts directly on box. Hole Dia. — 1-13/32".	<b>FS1-SRCS</b>	—
	For round receptacles. Mounts directly on box. Hole Dia. — 1-5/8". 3-9/32" C to C screw holes.	<b>FS1-LRCS</b>	—
	For standard 2 or 3 wire duplex receptacles.	<b>FS1-DCS</b>	—
	Blank	<b>FS1-BCS</b>	—
	Blank	<b>FS1-BC</b> <i>(Gray iron)</i>	<b>FS1-BC-A</b>

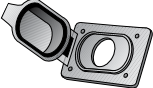




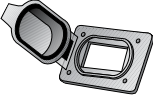
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# FS and FD Cast Hub Device Boxes

Covers for Ridge Top Boxes.

NEC/CEC:  
Listed for Ordinary Locations

	Description	Catalog Number	
		Malleable Iron	Aluminum
<b>Cast Covers NEMA 3R Wet Locations – Furnished with gasket and stainless steel screws</b>			
 FS1-WRCA	Round receptacle Hole Diameter – 1-7/16"	—	FS1-WRCA
	For duplex flush receptacle with spring cover	—	FS1-WDC-A
 FS1-WPCA	For external operation of tumbler switches with square handles	—	FS1-WPCA
 FS1-WSCA	Operating type for square handle tumbler or toggle switches	—	FS1-WSCA
	Rocker type for square handle tumbler or toggle flush switches	—	FSK-1V-A
<b>Gasket – Replacement</b>			
	Neoprene—for use with wet location covers		FS1-SG
<b>Cast Covers Dry Locations – Furnished with stainless steel screws less gasket</b>			
 FS1-DC	For standard 2 or 3 wire duplex receptacles	FS1-DC	FS1-DC-A
 FS1-GFCA	Ground fault receptacle	—	FS1-GFCA

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# FS and FD Cast Hub Device Boxes

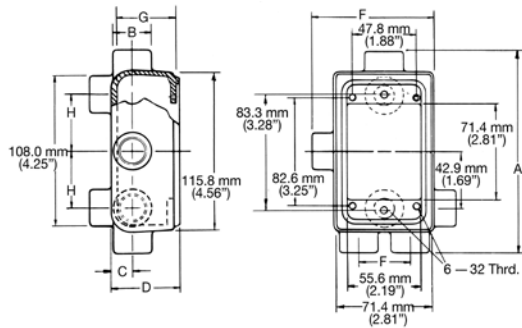
NEC/CEC:  
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## Wiring Capacity

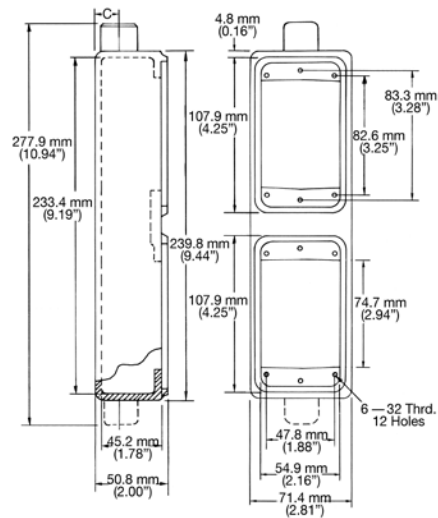
Hub Size (Inches)	Capacity — dm <sup>3</sup> (in <sup>3</sup> )		
	Single-Gang FS	Single-Gang FD	Two-Gang Tandem FS
1/2	0.29 (18.00)	0.41 (25.00)	0.66 (40.00)
3/4	0.29 (18.00)	0.41 (25.00)	0.66 (40.00)
1	0.29 (18.00)	0.41 (25.00)	0.66 (40.00)

## Dimensions in Millimeters (Inches)

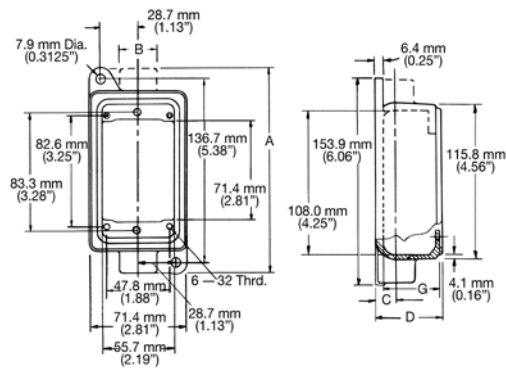
FS and FD Single Gang Boxes without lugs



FS Tandem Boxes



FS and FD Single Gang Boxes with lugs



Hub Size (Inches)	Dimensions in Millimeters (Inches)										
	A		B		C		D		G		H
	"FS"	"FD"	"FS"	"FD"	"FS"	"FD"	"FS"	"FD"	"FS"	"FD"	
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)	

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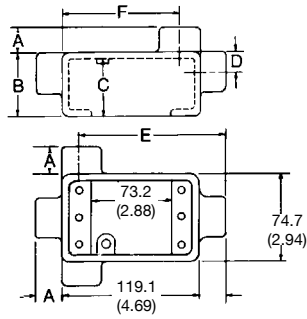
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# FS and FD Cast Hub Device Boxes

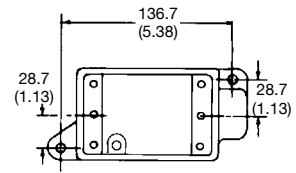
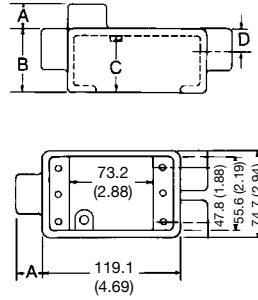
NEC/CEC:  
Listed for Ordinary Locations

## Dimensions in Millimeters (Inches)

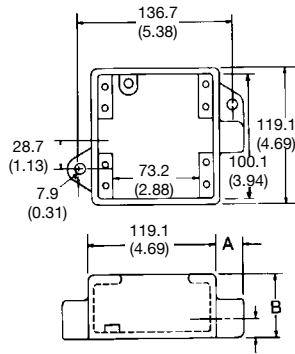
### Type FD Extra Deep



Single Gang



With Mounting Lugs



Two Gang  
With Mounting Lugs

Catalog Number	Hub Size (Inches)	Dimensions in Millimeters (Inches)					
		A	B	C	D	E	F
All FD Type Boxes	1/2	19.05 (0.75)	77.72 (3.06)	73.15 (2.88)	16.00 (0.63)	119.13 (4.69)	100.08 (3.94)
	3/4	19.05 (0.75)	77.72 (3.06)	73.15 (2.88)	19.05 (0.75)	115.82 (4.56)	96.77 (3.81)
	1	22.35 (0.88)	77.72 (3.06)	73.15 (2.88)	22.35 (0.88)	—	—

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







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① Largest hub at bottom in illustration.  
② Extension does not have a ground screw.

# FS and FD Cast Hub Device Boxes

NEC/CEC:  
Listed for Ordinary Locations

	Description	Catalog Number	
		Steel	Aluminum
<b>Stamped Steel and Aluminum Covers — With stainless steel screws, less gasket</b>			
	For square handle tumbler or toggle flush switches	FS-2-SCS	—
	For duplex flush receptacles	FS-2-DCS	—
	For tumbler flush switch and duplex flush receptacles	FS-2-SDCS	—
		Malleable Iron	Aluminum
<b>Cast Covers — Weatherproof — With gasket and stainless steel screws</b>			
	For external operation of tumbler switches with square handles	—	FS-2-WSCA
	Blank Cover	FS-2-BCS <i>FS-2-BC (Gray iron)</i>	FS-2-BCA
	<b>Gasket — Replacement</b> Neoprene — for use with 2-gang cast covers above	FS-2-SG	—

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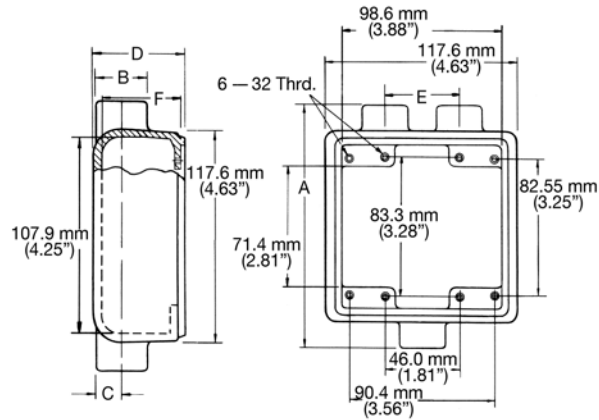
# FS and FD Cast Hub Device Boxes

NEC/CEC:  
Listed for Ordinary Locations

## Wiring Capacity

Hub Size (Inches)	Capacity — dm <sup>3</sup> (in <sup>3</sup> )	
	FS	FD
1/2	0.52 (32.00)	0.74 (45.00)
3/4	0.52 (32.00)	0.74 (45.00)
1	0.52 (32.00)	0.74 (45.00)

## Dimensions in Millimeters (Inches)



Hub Size (Inches)	Dimensions in Millimeters (Inches)							
	A	B	C	D		E	F	
				"FS"	"FD"		"FS"	"FD"
1/2	149.4 (5.88)	28.7 (1.13)	16.0 (0.63)	50.8 (2.00)	68.3 (2.69)	47.8 (1.88)	45.2 (1.78)	62.0 (2.44)
3/4	149.4 (5.88)	35.1 (1.38)	19.1 (0.75)	50.8 (2.00)	68.3 (2.69)	47.8 (1.88)	45.2 (1.78)	62.0 (2.44)
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)	45.2 (1.78)	62.0 (2.44)

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