GR and GRF Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

UNILETS™ for use with Threaded Metal Conduit. Furnished with Internal Ground Screw and O-ring.

NEC/CEC:
Class I, Division 1 and 2, Groups B◆, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 3, 4, 4X ①
Class 1, Zone 1 and 2, IIA, IIB

Applications

- Complies with a wide range of classified area requirements.
- Corrosion-resistant: ideal indoors or out.
- For pulling of wires.
- Connect conduit lengths and change direction of conduit runs.
- Provide access for maintenance.

Features

- GR boxes offers ten hub arrangements.
- GRF boxes have integral mounting flange.
- Malleable iron bodies have high tensile strength, ductility and provides great resistance to corrosion, impact, and shock.
- Accurately tapped, tapered hub threads for tight, rigid joints and ground continuity.
- Furnished with covers.
- General purpose wiring.
- Function as sealing fittings when used with sealing covers (see NEC for restrictions).
- Internally threaded body with externally threaded cover.
- Covers have pry notches for bar or wrench.
- Accommodate sealing, dome, hub and union hub covers, and canopies.
- Standard o-rings provide raintight fit. NEMA 3, 4.
- Internal ground screw standard.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials

- Body: malleable iron or copperfree (4/10 of 1% max.) aluminum
- Cover: copperfree (4/10 of 1% max.) aluminum

Standard Finishes

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

Options

- To order body without cover, add suffix -**LC** to catalog number.
- For malleable iron body and cover, add suffix -**M**.

NEC/CEC Certifications and Compliances

- UL Listed: E85310, E10444
- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 025875

◆ In Class I, Division 1, Group B atmospheres, all conduit runs must have a sealing fitting (not supplied) field-installed adjacent to the enclosure.
① Aluminum body and cover only.

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Class III
NEMA 3, 4, 4X ①
Class 1, Zone 1 and 2, IIA, IIB

	Hub Type	Conduit Size (Inches)	Cover Opening mm (in)	Volume Capacity dm^3 (in^3)	Form Number ④	Catalog Number ② Malleable Iron ③ Body With Aluminum Cover	Catalog Number ② Aluminum Body with Aluminum Cover
	GRE	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRE50**	**GRE50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRE75**	**GRE75-A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRE100**	**GRE100-A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRE125**	**GRE125-A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRE150**	**GRE150-A**
	GRC	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRC50**	**GRC50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRC75**	**GRC75-A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRC100**	**GRC100-A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRC125**	**GRC125-A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRC150**	**GRC150-A**
		2	124.0 (4.88)	1.25 (76.0)	3	**GRC200**	**GRC200-A**
	GRL	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRL50**	**GRL50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRL75**	**GRL75-A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRL100**	**GRL100-A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRL125**	**GRL125-A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRL150**	**GRL150-A**
		2	124.0 (4.88)	1.25 (76.0)	3	**GRL200**	**GRL200-A**
	GRLB	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRLB50**	**GRLB50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRLB75**	**GRLB75-A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRLB100**	**GRLB100-A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRLB125**	**GRLB125-A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRLB150**	**GRLB150-A**
		2	124.0 (4.88)	1.25 (76.0)	3	**GRLB200**	**GRLB200-A**
	GRN	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRN50**	**GRN50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRN75**	**GRN75-A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRN100**	**GRN100-A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRN125**	**GRN125-A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRN150**	**GRN150-A**
	GRT	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRT50**	**GRT50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRT75**	**GRT75-A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRT100**	**GRT100-A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRT125**	**GRT125-A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRT150**	**GRT150-A**
		2	124.0 (4.88)	1.25 (76.0)	3	**GRT200**	**GRT200-A**
	GRX	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRX50**	**GRX50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRX75**	**GRX75-A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRX100**	**GRX100-A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRX125**	**GRX125-A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRX150**	**GRX150-A**
		2	124.0 (4.88)	1.25 (76.0)	3	**GRX200**	**GRX200-A**

◆ *In Class I, Division 1, Group B atmospheres, all conduit runs must have a sealing fitting (not supplied) field-installed adjacent to the enclosure.*
① *Aluminum body and cover only.*
② *Other covers available—see GR and GRF Conduit Outlet Box Covers page. Order separately.*
③ *For malleable iron body and cover, add suffix* ***-M.***
④ *Form number designates body and matching cover sizes. To order body without cover, add suffix* ***-LC*** *to catalog number.*

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GR Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

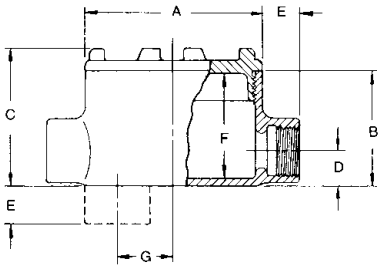
UNILETS™ for use with Threaded Metal Conduit. Furnished with Internal Ground Screw and O-ring.

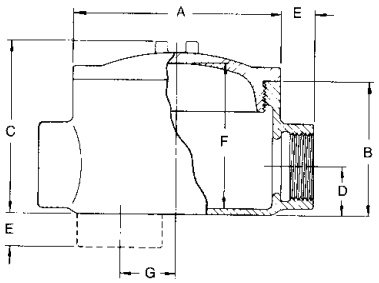
NEC/CEC:
Class I, Division 1 and 2, Groups B◆, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 3, 4, 4X ①
Class 1, Zone 1 and 2, IIA, IIB

	Hub Type	Conduit Size (Inches)	Cover Opening mm (in)	Volume Capacity dm^3 (in^3)	Form Number ④	Catalog Number ② Malleable Iron ③ Body With Aluminum Cover	Catalog Number ② Aluminum Body with Aluminum Cover
	GRCA	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRCA50**	**GRCA50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRCA75**	**GRCA75-A**
	GRLA	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRLA50**	**GRLA50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRLA75**	**GRLA75-A**
	GRTA	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRTA50**	**GRTA50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRTA75**	**GRTA75-A**

Dimensions in Millimeters (Inches)

Hub Size (Inches)	A	B	C	D	E	F	G
GR Series, Form 1							
1/2	95.3 (3.75)	62 (2.44)	73.2 (2.88)	19.1 (0.75)	20.6 (0.81)	57.2 (2.25)	31.8 (1.25)
3/4	95.3 (3.75)	62 (2.44)	73.2 (2.88)	19.1 (0.75)	20.6 (0.81)	57.2 (2.25)	31.8 (1.25)
1	95.3 (3.75)	62 (2.44)	73.2 (2.88)	19.1 (0.75)	20.6 (0.81)	57.2 (2.25)	31.8 (1.25)
GR Series, Forms 2 and 3							
1-1/4	114.3 (4.50)	68.3 (2.69)	90.4 (3.56)	30.2 (1.19)	22.4 (0.88)	69.9 (2.75)	28.7 (1.13)
1-1/2	146.1 (5.75)	95.3 (3.75)	122.2 (4.81)	35.1 (1.38)	23.9 (0.94)	103.1 (4.06)	38.1 (1.50)
2	146.1 (5.75)	101.6 (4.00)	128.5 (5.06)	41.4 (1.63)	25.4 (1.00)	108.0 (4.25)	31.8 (1.25)





1-1/4" = Form 2
1-1/2" and 2" = Form 3

◆ *In Class I, Division 1, Group B atmospheres, all conduit runs must have a sealing fitting (not supplied) field-installed adjacent to the enclosure.*
① *Aluminum body and cover only.*
② *Other covers available—see GR and GRF Conduit Outlet Box Covers page. Order separately.*
③ *For malleable iron body and cover, add suffix* ***-M.***
④ *Form number designates body and matching cover sizes. To order body without cover, add suffix* ***-LC*** *to catalog number.*

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GRF Flanged Conduit Outlet Boxes

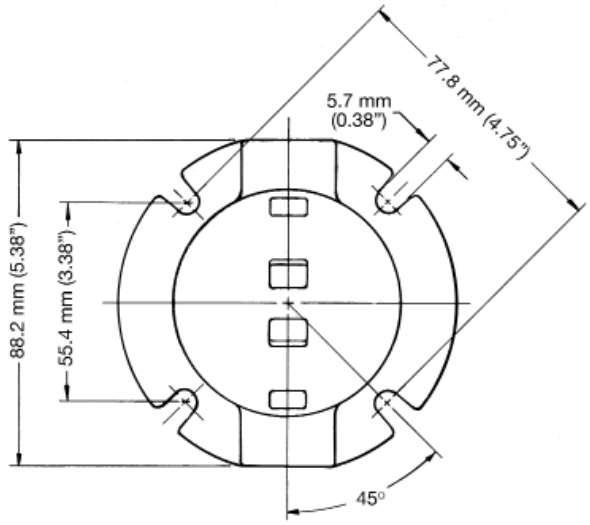
Explosionproof, Dust-Ignitionproof

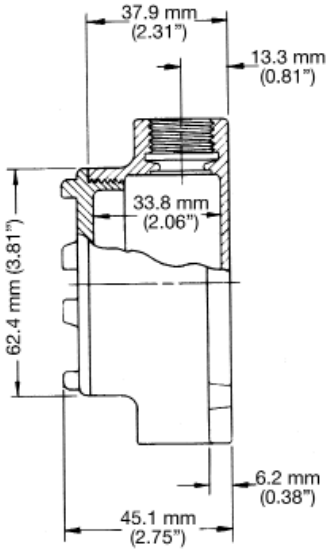
UNILETS™ for use with Threaded Metal Conduit. Furnished with Internal Ground Screw and O-ring.

NEC/CEC:
Class I, Division 1 and 2, Groups B◆, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 3, 4, 4X ①
Class 1, Zone 1 and 2, IIA, IIB

	Hub Type	Conduit Size (Inches)	Cover Opening mm (in)	Capacity dm^3 (in^3)	Form Number ④	Catalog Number ② Malleable Iron ③ Body With Aluminum Cover	Catalog Number ② Aluminum Body with Aluminum Cover
	GRFC	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRFC50**	**GRFC50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRFC75**	**GRFC75-A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRFC100**	**GRFC100-A**
	GRFL	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRFL50**	**GRFL50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRFL75**	**GRFL75-A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRFL100**	**GRFL100-A**
	GRFT	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRFT50**	**GRFT50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRFT75**	**GRFT75-A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRFT100**	**GRFT100-A**
	GRFX	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRFX50**	**GRFX50-A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRFX75**	**GRFX75-A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRFX100**	**GRFX100-A**

Dimensions in Millimeters (Inches)





◆ *In Class I, Division 1, Group B atmospheres, all conduit runs must have a sealing fitting (not supplied) field-installed adjacent to the enclosure.*
① *Aluminum body and cover only.*
② *Other covers available—see GR and GRF Conduit Outlet Box Covers page. Order separately*
③ *For malleable iron body and cover, add suffix* ***-M.***
④ *Form number designates body and matching cover sizes. To order body without cover, add suffix -**LC** to catalog number.*

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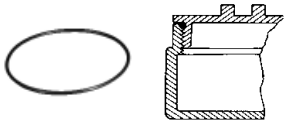
GR and GRF Conduit Outlet Box Covers

Explosionproof, Dust-Ignitionproof

Covers and O-rings Fit Bodies with Corresponding Form Numbers.

NEC/CEC:
Class I, Division 1 and 2, Groups B◆, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 3, 4, 4X ①
Class 1, Zone 1 and 2, IIA, IIB

	Hub Type	Cover Opening mm (in)	Fixture Stem Size mm (in)	Form Number ②	Catalog Number Malleable Iron	Catalog Number Aluminum
	Surface	85.9 (3.38)	—	1	**GRK-1M**	**GRK-1**
		100.1 (3.94)	—	2	**GRK-2M**	**GRK-2**
		124.0 (4.88)	—	3	**GRK-3M**	**GRK-3**
	Sealing *Class I, Groups C & D*	85.9 (3.38)	—	1	**GRK-1SC**	**GRK-1SC-A**
		100.1 (3.94)	—	2	**GRK-2SC**	**GRK-2SC-A**
		124.0 (4.88)	—	3	**GRK-3SC**	**GRK-3SC-A**
	2” Deep Dome *UL Listed: E185964* 6 Cubic Inches	85.9 (3.38)	—	1	—	**GRK-1DC**
	Union Hub	85.9 (3.38)	19.1 (0.75)	1	**GRK-75U**	**GRK-75UA**
	Hub	85.9 (3.38)	12.7 (0.50)	1	**GRK-50**	**GRK-50A**
		85.9 (3.38)	19.1 (0.75)	1	**GRK-75**	**GRK-75A**
	Canopy Length 4-1/2” *Class I, Group D* 16 Cubic Inches	85.9 (3.38)	12.7 (0.50)	1	**GRK-50C**	—
		85.9 (3.38)	19.1 (0.75)	1	**GRK-75C**	—
		85.9 (3.38)	25.4 (1.00)	1	**GRK-100C**	—

		Catalog Number
	**O-rings — Buna-N** Provide Raintight fit when used on following series: GR (Forms 1, 2 and 3), GRF (Form 1), GRH, and GRU (Form 1).	1 **GRG-1** 2 **GRG-2** 3 **GRG-3**
	GRTB Terminal Strip *For use in standard GR series boxes Weidmuller type MK terminal block ③ with wire range of #22-#12 AWG. Mounts on 2 Pre-Drilled and tapped standard holes (furnished in internal GR boxes).*	
	6 position terminal block kit	1+2 **GRTB6-12**
	6 position terminal block kit	3 **GRTB6-3**
	12 position terminal block kit	3 **GRTB12-3**

◆ *In Class I, Division 1, Group B atmospheres, all conduit runs must have a sealing fitting (not supplied) field-installed adjacent to the enclosure.*
① *Aluminum body and cover only.*
② *Form numbers designate cover and matching body sizes.*
③ *Terminal block is UL listed for 300 Volt, 25 Amp. CSA certified for 300 Volt, 13 Amp.*

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