Appleton®

DICOM INGENIEROS S.R.L.

Materiales eléctricos
Industriales

GUÍA DE
FICHAS TÉCNICAS

PRODUCTOS ELECTRICOS



MINERIA · ENERGIA · CONSTRUCCIÓN · HIDROCARBUROS · INDUSTRIA · TELECOMUNICACIONES · INFRAESTRUCTURA Y TRANSPORTE

Escanea el QR
Visita nuestro **Catálogo**

Siguenos en **nuestras redes**

+51 991 872 290

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.
- To provide access to conductors for pulling, splicing, maintenance and future changes and upgrades.
- Allows connection of straight conduit runs, branch conduit runs and 90° bends.

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 within 2" to the enclosure.*
① *Aluminum body and cover only.*

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	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**	**GRE50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRE75**	**GRE75A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRE100**	**GRE100A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRE125**	**GRE125A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRE150**	**GRE150A**
	GRC	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRC50**	**GRC50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRC75**	**GRC75A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRC100**	**GRC100A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRC125**	**GRC125A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRC150**	**GRC150A**
		2	124.0 (4.88)	1.25 (76.0)	3	**GRC200**	**GRC200A**
	GRL	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRL50**	**GRL50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRL75**	**GRL75A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRL100**	**GRL100A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRL125**	**GRL125A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRL150**	**GRL150A**
		2	124.0 (4.88)	1.25 (76.0)	3	**GRL200**	**GRL200A**
	GRLB	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRLB50**	**GRLB50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRLB75**	**GRLB75A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRLB100**	**GRLB100A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRLB125**	**GRLB125A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRLB150**	**GRLB150A**
		2	124.0 (4.88)	1.25 (76.0)	3	**GRLB200**	**GRLB200A**
	GRN	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRN50**	**GRN50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRN75**	**GRN75A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRN100**	**GRN100A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRN125**	**GRN125A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRN150**	**GRN150A**
	GRT	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRT50**	**GRT50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRT75**	**GRT75A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRT100**	**GRT100A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRT125**	**GRT125A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRT150**	**GRT150A**
		2	124.0 (4.88)	1.25 (76.0)	3	**GRT200**	**GRT200A**
	GRX	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRX50**	**GRX50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRX75**	**GRX75A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRX100**	**GRX100A**
		1-1/4	100.1 (3.94)	0.51 (31.0)	2	**GRX125**	**GRX125A**
		1-1/2	124.0 (4.88)	1.18 (72.0)	3	**GRX150**	**GRX150A**
		2	124.0 (4.88)	1.25 (76.0)	3	**GRX200**	**GRX200A**

◆ *In Class I, Division 1, Group B atmospheres, all conduit runs must have a sealing fitting (not supplied) field-installed within 2" 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.*

GR and GRF Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

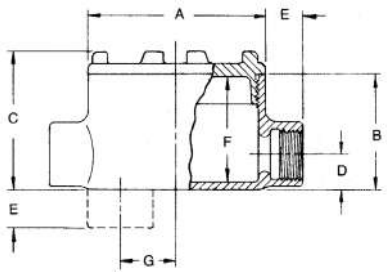
UNILETS™ for use with Threaded Metal Conduit. Furnished with Internal Ground Screw and O-ring.

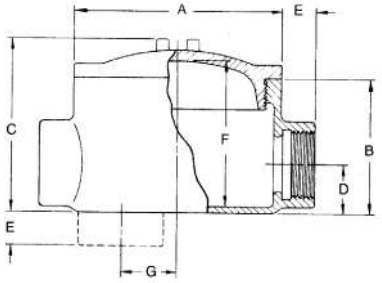
NEC/CEC: Class I, Division 1 and 2, Groups B◆, C, D | Class II, Division 1 and 2, Groups E, F, G | Class III | NEMA 3, 4, 4X ① | Class 1, Zone 1 and 2, IIA, IIB

	Hub Type	Conduit Size (Inches)	Cover Opening mm (in)	Volume Capacity dm³ (in³)	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**	**GRCA50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRCA75**	**GRCA75A**
	GRLA	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRLA50**	**GRLA50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRLA75**	**GRLA75A**
	GRTA	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRTA50**	**GRTA50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRTA75**	**GRTA75A**

Dimensions in Millimeters (Inches)

Hub Size (Inches)	Dimensions in Millimeters (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 within 2" 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.*

GRF Flanged Conduit Outlet Boxes

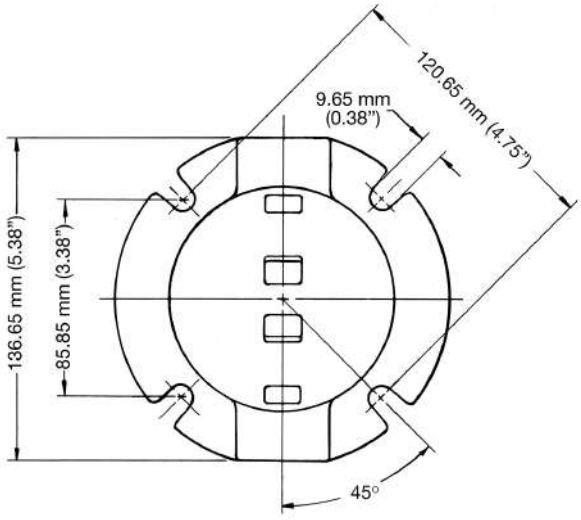
Explosionproof, Dust-Ignitionproof

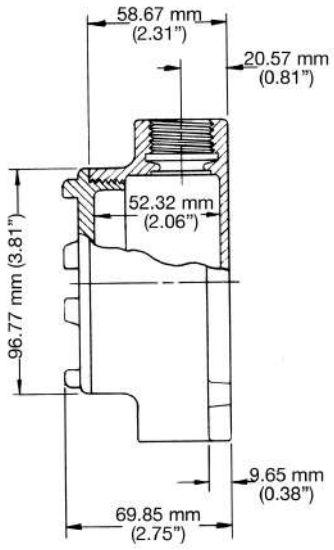
UNILETS™ for use with Threaded Metal Conduit. Furnished with Internal Ground Screw and O-ring.

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**	**GRFC50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRFC75**	**GRFC75A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRFC100**	**GRFC100A**
	GRFL	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRFL50**	**GRFL50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRFL75**	**GRFL75A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRFL100**	**GRFL100A**
	GRFT	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRFT50**	**GRFT50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRFT75**	**GRFT75A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRFT100**	**GRFT100A**
	GRFX	1/2	85.9 (3.38)	0.29 (18.0)	1	**GRFX50**	**GRFX50A**
		3/4	85.9 (3.38)	0.29 (18.0)	1	**GRFX75**	**GRFX75A**
		1	85.9 (3.38)	0.29 (18.0)	1	**GRFX100**	**GRFX100A**

Dimensions in Millimeters (Inches)





◆ *In Class I, Division 1, Group B atmospheres, all conduit runs must have a sealing fitting (not supplied) field-installed within 2" 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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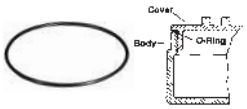
GR and GRF Conduit Outlet Box Covers

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	Aluminum
	Surface	85.9 (3.38)	—	1	**GRK1M**	**GRK1**
		100.1 (3.94)	—	2	**GRK2M**	**GRK2**
		124.0 (4.88)	—	3	**GRK3M**	**GRK3**
	Sealing *Class I, Groups C & D*	85.9 (3.38)	—	1	**GRK1SC**	**GRK1SCA**
		100.1 (3.94)	—	2	**GRK2SC**	**GRK2SCA**
		124.0 (4.88)	—	3	**GRK3SC**	**GRK3SCA**
	2" Deep Dome *UL Listed: E185964* *6 Cubic Inches*	85.9 (3.38)	—	1	—	**GRK1DC**
	Union Hub	85.9 (3.38)	19.1 (0.75)	1	**GRK75U**	**GRK75UA**
	Hub	85.9 (3.38)	12.7 (0.50)	1	**GRK50**	**GRK50A**
		85.9 (3.38)	19.1 (0.75)	1	**GRK75**	**GRK75A**
	Canopy Length 4-1/2" *Class I, Group D* *16 Cubic Inches*	85.9 (3.38)	12.7 (0.50)	1	**GRK50C**	—
		85.9 (3.38)	19.1 (0.75)	1	**GRK75C**	—
		85.9 (3.38)	25.4 (1.00)	1	**GRK100C**	—

			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	**GRG1**
		2	**GRG2**
		3	**GRG3**
	**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	**GRTB612**
	6 position terminal block kit	3	**GRTB63**
	12 position terminal block kit	3	**GRTB123**

◆ *In Class I, Division 1, Group B atmospheres, all conduit runs must have a sealing fitting (not supplied) field-installed within 2" 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.*