

1F Condulet® Conduit Bodies and Outlet Boxes

Application and Selection



Applications:

- Conduit bodies and outlet boxes are installed at appropriate locations in threaded rigid conduit systems to:
- Act as pull outlets for conductors to be installed in a conduit system
 - Provide openings for splices and taps in conductors
 - Act as mounting outlets for luminaires and wiring devices, or as support for luminaires (with hub and fixture hanging covers)
 - Act as junction or fuse boxes when fitted with connection blocks or fuse blocks
 - Connect conduit sections and change direction of conduit runs
 - Make 90° bends in conduit runs
 - Provide access to conductors for maintenance and future system changes

Considerations for Selection:

- Shape required – determine from configuration of conduit system and intended function of conduit bodies or outlet boxes
- Size required – determine from conduit and conductor size
- Material required – determine from environmental conditions (corrosive fumes, buried in concrete, etc.)

Quick Selector Chart - Conduit Bodies

Series	Conduit Sizes	Configuration Styles	Standard Material
Form 7	½" - 4"	C, E, L, LB, LL, LR, T, TA, TB and X	Feraloy® iron or aluminum
Form 8	½" - 4"	C, LB, LL, LR, T, TB and X	Feraloy iron
Mark 9	½" - 4"	C, LB, LL, LR, T, TB and X	Copper-free aluminum
Form 5	½" - 4"	C, LB, LL, LR, T, TB and X	Durable malleable iron construction
Series 5	½" - 4"	C, LB, LL, LR and T	Corrosion-resistant copper-free aluminum construction

Quick Selector Chart - Conduit Outlet Boxes

Series	Conduit Sizes	Inside Dimensions		No. of Conduit Openings	Surface or Flush Mtg.	Standard Material	Finish	Covers
		Depth	Dia.					
VXF	½ and ¾	1¼	4¼	4 or 5	S	Copper-free aluminum	Epoxy enamel	When box is used as junction or pull box, install GRF covers, gaskets.
GRF	½ to 1	1⅝ to 3⅝	3 ¹¹ / ₁₆	0 to 4	S - F	Feraloy iron alloy or aluminum	Electrogalvanized and aluminum paint	Blank, hub, standard 4" octagonal box covers, wiring devices, lighting fixture hangers, gaskets.

1F Condulet® Conduit Bodies - Cast Iron or Aluminum

Gasket and Covers see page 8

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Applications:

- Conduit outlet bodies are installed in conduit systems to:
- Act as pull outlets for conductors being installed
 - Provide openings for making splices and taps in conductors
 - Connect conduit sections
 - Provide taps for branch conduit runs
 - Make 90° bends in conduit runs
 - Provide for access to conductors for maintenance and future system changes

Features:

Conduit Outlet Bodies

- Form 7 Condulet outlet bodies approach conduit in size for neat, compact installations
- Form 8 and Mark 9 bodies provide more room for heavier conductors
- Many shapes and sizes are available for rigid threaded conduit – for complete listings see pages 6–12
- Conduit hubs have tapered threads and feature integral bushings for protection of wire insulation
- Form 7 has exclusive snaptight and wedgenut cover attachment to provide clear, unobstructed cover opening
- Built-in rollers on all Form 5 1 1/4" to 4" C and LB bodies to facilitate wire pulling
- Series 5 bodies available in optional configuration with set screws on hubs for EMT conduit (add suffix -MT to catalog number)

Gaskets

Solid gaskets:

- Are used with blank covers
- For Mark 9 and Form 5, can be converted to open type gaskets by tearing out center section along scored lines – 1/2" to 2" sizes
- For Form 7 are used with all covers

Open gaskets:

- For Form 8 – 1/2" to 4" sizes
- For Mark 9 – 2 1/2" to 4" sizes

Blank Covers

Stainless steel cover screws are standard on Form 7, Form 8, Mark 9, Series 5 and Form 5 covers.

• Form 7

Wedge nut design facilitates installation and removal. Nuts are held captive in cover. Covers can be used with or without gaskets. SNAPTIGHT™ Form 7 Covers with integral sealing gaskets are installed without the use of screws, reducing installation time and costs. Covers are reusable.

• Form 8

Two cover screws provided on all sizes to provide tight cover and gasket assembly. *Feraloy* iron alloy covers have dome shapes for added strength and extra wiring room.

• Mark 9

Self-retaining cover screws.

Certifications and Compliances:

Outlet Bodies –

- UL Standard: 514B
- Fed. Spec.: W-C-586D
- CSA Standard 22.2 No. 18
- NEMA 3R Raintight (when installed with cover and gasket)

Standard Materials:

- Form 7, Form 8 outlet bodies – *Feraloy* iron alloy
- Mark 9 outlet bodies – copper-free aluminum
- Form 5 – malleable iron
- Series 5 – die cast aluminum

Standard Finishes:

- Form 7, Form 8 outlet bodies – electrogalvanized with aluminum acrylic paint
- Mark 9 outlet bodies – natural
- Form 5 – electrogalvanized with aluminum acrylic paint
- Series 5 – aluminum acrylic paint

Options:

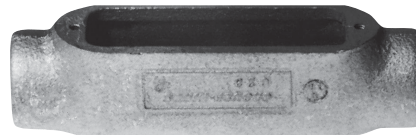
Description	Suffix
Form 7 body and cover only:	
Copper-free aluminum	SA
<i>Corro-free</i> ™ epoxy powder coat - external body only	S752
<i>Corro-free</i> ™ epoxy powder coat - internal and external	S753
Series 5 in an EMT version with set screws on all hubs	MT
Series 5 pre-packaged with neoprene gasket and cover	CGN



Form 7



Mark 9



Form 8



Mogul

1F Condulet® Conduit Bodies - Cast Iron or Aluminum

Covers and Gaskets

Dimensions Pgs. See pages 10-12 (Dimensions for Form 5 - see Section CP)

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Blank Covers



Sheet Steel

Size	Form 7 Wedgenut Cat. #	Form 7 Snaughtight™ Covers‡ Cat. #	Form 7 Wedgenut w/Integral Gasket Cat. #	Form 8§ Cat. #	Form 8 w/Integral Gasket Cat. #	Form 5 w/Integral Gasket** Cat. #
1/2	170	170SG	170G	180	180G	K50SG
3/4	270	270SG	270G	280	280G	K75SG
1	370	370SG	370G	380	380G	K100SG
1 1/4	470	470SG	470G	480	480G	K125SG
1 1/2	570	570SG	570G	580	580G	K125SG
2	670	670SG	670G	680	680G	K200SG
2 1/2	870	870G		880		K250SG
3	870			880		K250SG
3 1/2	970	970G		980		K350SG
4	970			980		K350SG

‡Form 7 Snaughtight covers with integral sealing gasket are installed without the use of screws.

§Two cover screws on 1/2" to 2" Form 8 covers and four cover screws on 2 1/2" and larger Form 8 covers.

**For cover without integral gasket, remove G from catalog number.



Sheet Aluminum



Feraloy® Iron Alloy



Cast Aluminum

Size	Mark 9 Cat. #	Mark 9 w/Integral Gasket Cat. #	Form 7 Cat. #	Form 7 w/Integral Gasket Cat. #	Series 5 w/Integral Gasket** Cat. #	Form 7 Wedgenut Cat. #	Form 7 Wedgenut w/Integral Gasket Cat. #	Form 8§ Cat. #	Form 5‡ Cat. #	Form 7 Wedgenut Cat. #
1/2	190	190G	170 SA	170G SA	150 G	170F	170FG	180F	K50CM	170F SA
3/4	290	290G	270 SA	270G SA	250 G	270F	270FG	280F	K75CM	270F SA
1	390	390G	370 SA	370G SA	350 G	370F	370FG	380F	K100CM	370F SA
1 1/4	490	490G	470 SA	470G SA	450 G	470F	470FG	480F	K125CM	470F SA
1 1/2	590	590G	570 SA	570G SA	450 G	570F	570FG	580F	K125CM	570F SA
2	690	690G	670 SA	670G SA	650 G	670F	670FG	680F	K200CM	670F SA
2 1/2	889		870 SA		850 G	870F		880F	K250CM	870F SA
3	889		870 SA		850 G	870F		880F	K250CM	870F SA
3 1/2	989		970 SA		950 G	970F		980F	K350CM	970F SA
4	989		970 SA		950 G	970F		980F	K350CM	970F SA

‡Malleable iron covers.

§Two cover screws on 1/2" to 2" Form 8 covers and four cover screws on 2 1/2" and larger Form 8 covers.

**For cover without integral gasket, remove G from catalog number.

Solid Gaskets - Neoprene



Size	Form 7 Cat. #	Form 8* Cat. #	Mark 9† Cat. #	Form 5 Cat. #	Series 5 Cat. #
1/2	GASK571	GASK851N	GASK1941	GK50N	GASK015N
3/4	GASK572	GASK852N	GASK1942	GK75N	GASK025N
1	GASK573	GASK853N	GASK1943	GK100N	GASK035N
1 1/4	GASK574	GASK854N	GASK1944	GK125N	GASK045N
1 1/2	GASK575	GASK805N	GASK1945	GK125N	GASK045N
2	GASK576	GASK806N	GASK1946	GK200N	GASK065N
2 1/2	GASK578	GASK808N	GASK808N	GK250N	GASK085N
3	GASK578	GASK808N	GASK808N	GK250N	GASK085N
3 1/2	GASK579	GASK809N	GASK809N	GK350N	GASK095N
4	GASK579	GASK809N	GASK809N	GK350N	GASK095N

†1/2 - 1 1/4 are solid gaskets; 1 1/2 - 4 are open gaskets.

†1/2 - 2 are solid gaskets; 2 1/2 - 4 are open gaskets.