



SMART PROGRAM RENOVATIONS  
NOVA MIDDLE SCHOOL – Loc #1311  
SBBC Project: P.001898

SPEC SECTION **16132**  
CONDUIT, FITTINGS AND SUPPORTS

By Integ : C. Gonzalez



**USA**  
10001 NW 50 St Suite W1  
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2451 NW 109 Av Unit 5,  
Miami, FL 33172



**VENEZUELA**  
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Teléfono: + (58) 212 979-8986



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Teléfono: + (507) 398-3483



**BRASIL**  
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455, CJ 13, São Paulo - Brasil  
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**Submittal #517**

FO-INTEG-PROJECT-PO0001-REV.03 Gestión de Control de Calidad / Quality Management

**Information**

Status: In Review

P.R.S

**Legend**  
 Overdue Issue On Time Delayed  
 Start Inactive

Company: Integ Miami LLC

Project (CDC) - Job Number 511-P-E-NOVA MD SCHOOL - 15JUL2020

Customer Name

Project (CDC) - Customer Name

Project (CDC) - 3602 College Avenue, Fort Lauderdale, Florida 33314  
Location**Submittal**

Description: 16132 - Conduit, Fittings and Supports

- Rigid metal conduit
- Electrical metallic tubing (EMT)
- Flexible metal conduit
- Liquid-Tight flexible metal conduit
- Fittings and Supports

Title:	SECTION 16132 (26 05 20)	Spec Section:	16132 Paragraphs	Subdivision:	Electrical	Submittal Type:	Product Data	Submitted On:	27-07-2020	Responsible Contractor:	Integ Miami LLC
Conduit, Fittings and Supports			2.1.A - 2.1.B - 2.1.C - 2.1.D - 2.1.E - 2.1.F - 2.1.G - 2.1.H - 2.1.I - 2.1.L - 2.1.M - 2.1.N								

Submittal Manager: Claudia Gonzalez  
Manager:

Issue Date:	29-07-2020 12:00 AM	Final Due Date:	
Ball in Court:	Burke Construction	Lead Time	2

Priority: Intermedium

**Attachment**

Attachment:

Linked Drawings:

Notes:

**Stamp Info**

Stamp Date:

Other Name:

 Show Stamp on PDF:**Submittal WorkFlow**

Add Submittal LOG

Submittal logs

Record ID#	Submittal # - Project (CDC) - CDC ( Centro de Costo )	Submittal # - Status:	Submittal Status	Submittal # - Description:	Related Submittal #	Date Submittal REV	Comments:	Attachment Document:

Record ID#	Submittal # - Project (CDC) - CDC (Centro de Costo)	Submittal # - Status:	Submittal Status	Submittal # - Description:	Related Submittal #	Date Submittal REV	Comments:	Attachment Document:
501	511-P-E-NOVA MD SCHOOL -15JUL2020	In Review	Rev 0	16132 - Conduit, Fittings and Supports  - Rigid metal conduit - Electrical metallic tubing (EMT) - Flexible metal conduit - Liquid-Tight flexible metal conduit - Fittings and Supports	517	30-07-2020		

## ▼ Submittal Approval

Approval

Approvers:

Name/Title:

Signature \_\_\_\_\_

This submittal has an approval time of 15 days. After this period of time elapses and no response has been provided from the Engineer/GC, Integ reserves the right to assume that the submittal has been approved.

Responsible Genaro Matias

Rp Email Project M. Asistant

Created on July 29 at 2:11 PM (PDT). Last updated by [Project M. Asistant](#) today at 9:30 AM (PDT). Owned by [Project M. Asistant](#).

# Rigid PVC Conduit & Fittings

- Commercial, Industrial and Utility Usage
- Corrosion Resistant
- Non-Magnetic and non-galvanic
- Self Extinguishing
- Impact Resistant

## FEATURES & SPECIFICATIONS

Allied Tube & Conduit offers a complete line of rigid PVC conduit and fittings and PVC utility duct. For commercial, industrial and utility usage, Allied PVC conduit and duct is proven durable and effective for years of maintenance-free performance in underground, encased and exposed applications in accordance with the National Electrical Code.

### Corrosion Proof:

Resistant to most chemicals, PVC is typically not affected by corrosive soils or salts.

### Non-Magnetic and Non-Galvanic:

Properties of Allied PVC Conduit provide good insulation and no power loss or conductor heating.

### Self Extinguishing:

Properties make PVC fire resistant.

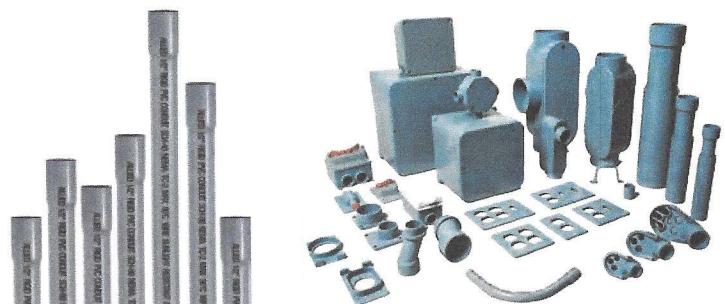
### Impact Resistant:

Tough, durable, with high tensile strength, yet easy to handle and install right on the jobsite.

**Schedule 40 & 80** rigid PVC conduit systems are sunlight resistant and are used exposed, encased in concrete, concealed in walls and in direct burial applications including systems for:

- Utilities
- Cable, data and communication lines
- Institutional, commercial, industrial buildings
- Residential applications, & service entrances
- Street and highway underground feeds
- Transportation systems - subways, bridges, tunnels, airports
- Water and wastewater treatment plants
- Marinas
- Mines and mills

**Type DB-60 and DB-120** utility duct are designed for direct burial applications. **Type EB-20 and EB-35** are designed for burial encased in concrete.



## Codes And Standards Compliance

Allied Schedule 40 and Schedule 80 rigid conduits are third-party certified to UL 651 and are allowed for use with 90° C conductors, in accordance with the National Electrical Code. They are manufactured in accordance with NEMA TC2.

Allied Type DB and EB ducts are manufactured in accordance with NEMA TC 6&8 and are allowed for use with 90° C conductors.

Allied PVC fittings are manufactured in accordance with NEMA TC3. The UL standard for PVC fittings is UL 651; for boxes UL 514C, for cover plates UL 514D and for enclosures UL 50.

See product pages for UL listing information.

## Specification

All wiring shall be installed in Allied Tube & Conduit rigid PVC conduit and secured by means of proper fittings. All fittings shall be offered by Allied Tube & Conduit. All outlets, pull boxes and junction points shall be fitted with Allied outlet boxes, fittings and junction boxes.

Exposed conduit shall be securely attached and supported by means of straps. The straps shall be installed at the recommended spacing as specified in the National Electrical Code (NEC). The straps must allow for linear expansion and contraction of the conduit due to temperature change. If the variance in temperature exceeds 25°F, expansion joints shall be installed according to the manufacturer's recommendations.

If rigid PVC conduit is embedded in concrete or direct buried, support straps are not required.

## Project Information

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State & Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Project Name: \_\_\_\_\_

City: \_\_\_\_\_

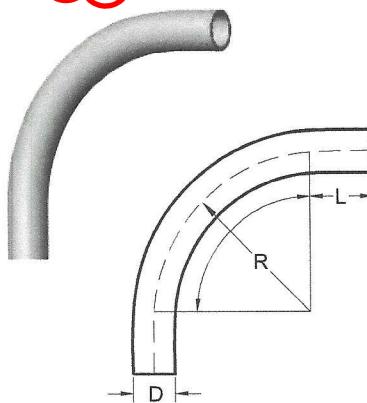
State: \_\_\_\_\_

# PVC Schedule 40 - Standard Radius Elbows (Plain End)

## 90° Elbows - Plain End

Trade Size	Part Number	Unit Quantity	Diameter (D) (in)	Length (L) (in)	Radius (R) (in)
1/2	59588	35	0.840	1.500	4.00
3/4	59589	50	1.050	1.500	4.50
1	59590	25	1.315	1.875	5.75
1-1/4	59591	30	1.660	2.000	7.25
1-1/2	59592	15	1.900	2.000	8.25
2	59593	20	2.375	2.000	9.50
2-1/2	59594	1	2.875	3.000	10.50
3	59595	1	3.500	3.125	13.00
3-1/2	59596	1	4.000	3.250	15.00
4	59597	1	4.500	3.375	16.00
5	59598	1	5.565	3.622	24.00
6	59599	1	6.625	3.740	30.00

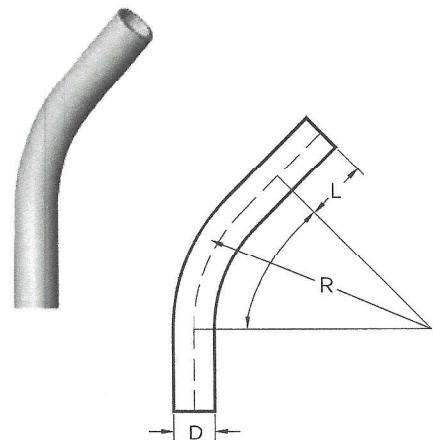
Third-party certified to UL651



## 45° Elbows - Plain End

Trade Size	Part Number	Unit Quantity	Diameter (D) (in)	Length (L) (in)	Radius (R) (in)
1/2	59575	70	0.840	1.500	4.00
3/4	59576	50	1.050	1.500	4.50
1	59577	50	1.315	1.875	5.75
1-1/4	59578	30	1.660	2.000	7.25
1-1/2	59579	20	1.900	2.000	8.25
2	59580	20	2.375	2.000	9.50
2-1/2	59581	12	2.875	3.000	10.50
3	59582	10	3.500	3.125	13.00
3-1/2	59583	1	4.000	3.250	15.00
4	59584	1	4.500	3.375	16.00
5	59585	1	5.565	3.625	24.00
6	59586	1	6.625	3.750	30.00

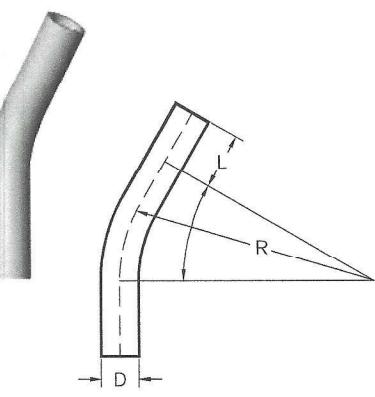
Third-party certified to UL651



## 30° Elbows - Plain End

Trade Size	Part Number	Unit Quantity	Diameter (D) (in)	Length (L) (in)	Radius (R) (in)
1/2	59561	50	0.840	1.500	4.00
3/4	59562	50	1.050	1.500	4.50
1	59563	50	1.315	1.875	5.75
1-1/4	59564	30	1.660	2.000	7.25
1-1/2	59565	25	1.900	2.000	8.25
2	59566	15	2.375	2.000	9.50
2-1/2	59567	10	2.875	3.000	10.50
3	59568	10	3.500	3.125	13.00
3-1/2	59569	1	4.000	3.250	15.00
4	59570	1	4.500	3.375	16.00
5	59571	1	5.565	3.625	24.00
6	59572	1	6.625	3.750	30.00

Third-party certified to UL651



**PVC Conduit & Fittings are not available in all markets.**

Please contact your Allied representative or distributor for details.

NOTE: Special orders are non-cancelable, non-returnable and non-refundable

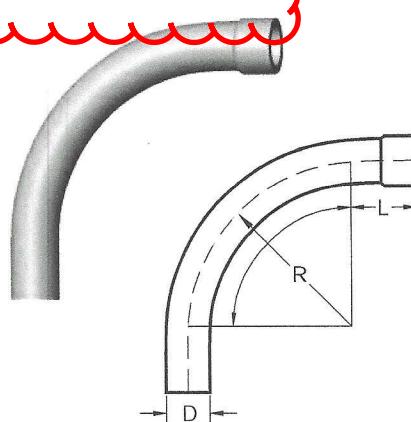
# PVC Schedule 40 - Standard Radius Elbows (Bell End)

## 90° Elbows - Bell End\*

Trade Size	Part Number	Unit Quantity	Diameter (D) (in)	Length (L) (in)	Radius (R) (in)
1/2	802752	35	0.840	1.500	4.00
3/4	802753	50	1.050	1.500	4.50
1	802754	25	1.315	1.875	5.75
1-1/4	802755	20	1.660	2.000	7.25
1-1/2	802756	15	1.900	2.000	8.25
2	802757	10	2.375	2.000	9.50
2-1/2	802758	1	2.875	3.000	10.50
3	802759	1	3.500	3.125	13.00
3-1/2	802761	1	4.000	3.250	15.00
4	802762	1	4.500	3.375	16.00
5	802763	1	5.565	3.622	24.00
6	802764	1	6.625	3.740	30.00

\*Special radius available upon request.

Third-party certified to UL651

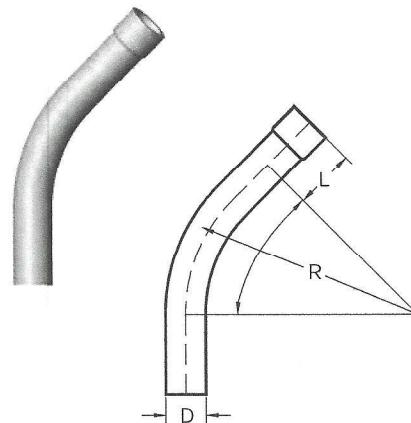


## 45° Elbows - Bell End\*

Trade Size	Part Number	Unit Quantity	Diameter (D) (in)	Length (L) (in)	Radius (R) (in)
1/2	802765	70	0.840	1.500	4.00
3/4	802767	50	1.050	1.500	4.50
1	802768	50	1.315	1.875	5.75
1-1/4	802769	30	1.660	2.000	7.25
1-1/2	802770	15	1.900	2.000	8.25
2	802771	10	2.375	2.000	9.50
2-1/2	802772	1	2.875	3.000	10.50
3	802773	1	3.500	3.125	13.00
3-1/2	802774	1	4.000	3.250	15.00
4	802775	1	4.500	3.375	16.00
5	802776	1	5.565	3.625	24.00
6	802777	1	6.625	3.750	30.00

\*Special radius available upon request.

Third-party certified to UL651

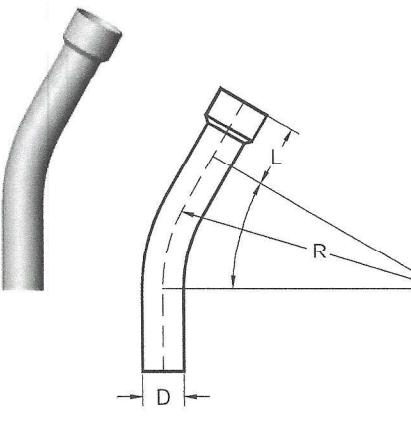


## 30° Elbows - Bell End\*

Trade Size	Part Number	Unit Quantity	Diameter (D) (in)	Length (L) (in)	Radius (R) (in)
1/2	802778	50	0.840	1.500	4.00
3/4	802779	35	1.050	1.500	4.50
1	802780	50	1.315	1.875	5.75
1-1/4	802781	30	1.660	2.000	7.25
1-1/2	802782	50	1.900	2.000	8.25
2	802783	30	2.375	2.000	9.50
2-1/2	802784	1	2.875	3.000	10.50
3	802785	1	3.500	3.125	13.00
3-1/2	802786	1	4.000	3.250	15.00
4	802787	1	4.500	3.375	16.00
5	802788	1	5.565	3.625	24.00
6	802789	1	6.625	3.750	30.00

\*Special radius available upon request.

Third-party certified to UL651



**PVC Conduit & Fittings are not available in all markets.**

Please contact your Allied representative or distributor for details.

16100 S. Lathrop Ave., Harvey, IL 60426

Phone / 708.339.1610 • Toll-Free / 800.882.5543

NOTE: Special orders are non-cancelable, non-returnable and non-refundable

[www.allieddeg.com](http://www.allieddeg.com)

# PVC Schedule 80 - Standard Radius Elbows (Plain End)

**allied**  
TUBE & CONDUIT<sup>®</sup>

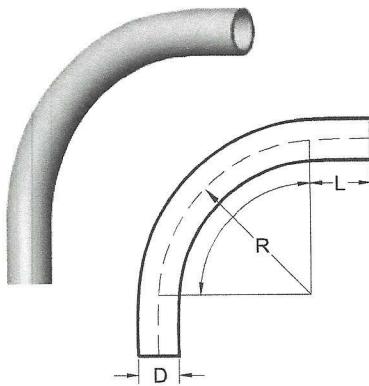
A PART OF  atkore  
international

## 90° Elbows - Plain End\*

Trade Size	Part Number	Unit Quantity	Diameter (D) (in)	Length (L) (in)	Radius (R) (in)
1/2	59012	50	0.840	1.500	4.00
3/4	59013	35	1.050	1.500	4.50
1	59014	20	1.315	1.875	5.75
1-1/4	59015	30	1.660	2.000	7.25
1-1/2	59016	30	1.900	2.000	8.25
2	59017	15	2.375	2.000	9.50
2-1/2	59018	8	2.875	3.000	10.50
3	59019	1	3.500	3.125	13.00
4	59021	1	4.500	3.375	16.00
5	59022	1	5.565	3.625	24.00
6	59023	1	6.625	3.740	30.00

\*Bellied end available upon request

Third-party certified to UL651

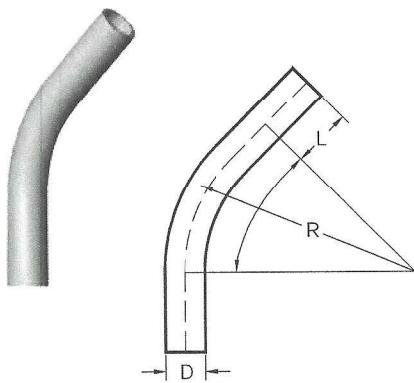


## 45° Elbows - Plain End\*

Trade Size	Part Number	Unit Quantity	Diameter (D) (in)	Length (L) (in)	Radius (R) (in)
1/2	59000	50	0.840	1.500	4.00
3/4	59001	25	1.050	1.500	4.50
1	59002	20	1.315	1.875	5.75
1-1/4	59003	25	1.660	2.000	7.25
1-1/2	59004	20	1.900	2.000	8.25
2	59005	10	2.375	2.000	9.50
2-1/2	59006	20	2.875	3.000	10.50
3	59007	1	3.500	3.125	13.00
4	59009	1	4.500	3.375	16.00
5	59010	1	5.565	3.625	24.00
6	59011	1	6.625	3.750	30.00

\*Bellied end available upon request

Third-party certified to UL651

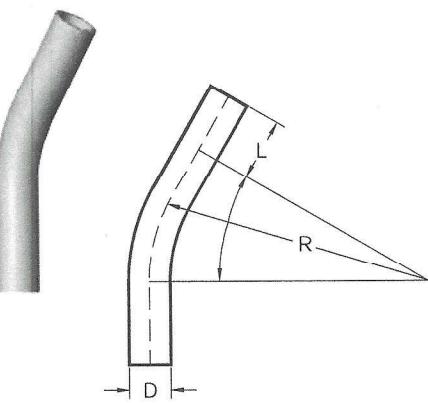


## 30° Elbows - Plain End\*

Trade Size	Part Number	Unit Quantity	Diameter (D) (in)	Length (L) (in)	Radius (R) (in)
1/2	59064	50	0.840	1.500	4.00
3/4	59065	25	1.050	1.500	4.50
1	59066	25	1.315	1.875	5.75
1-1/4	59067	20	1.660	2.000	7.25
1-1/2	59068	25	1.900	2.000	8.25
2	59069	20	2.375	2.000	9.50
2-1/2	59070	1	2.875	3.000	10.50
3	59071	1	3.500	3.125	13.00
4	59072	1	4.500	3.375	16.00
5	59073	1	5.565	3.625	24.00
6	59074	1	6.625	3.750	30.00

\*Bellied end available upon request

Third-party certified to UL651



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Please contact your Allied representative or distributor for details.

NOTE: Special orders are non-cancelable, non-returnable and non-refundable

# PVC Schedule 40 - Special Radius Elbows (Plain End)



A PART OF atkore

## Schedule 40 - Special Radius Elbows

		18" Radius		24" Radius		30" Radius		36" Radius		48" Radius	
Trade Size	Degree	Part Number	Bundle Quantity	Part Number	Bundle Quantity	Part Number	Bundle Quantity	Part Number	Bundle Quantity	Part Number	Bundle Quantity
1	90°	59701	1 pc.	59708	1 pc.	59717	1 pc.	59727	1 pc.	59738	1 pc.
	45°	59749	1 pc.	59756	1 pc.	59765	1 pc.	59775	1 pc.	59786	1 pc.
	30°	59797	1 pc.	59804	1 pc.	59813	1 pc.	59823	1 pc.	59834	1 pc.
	22-1/2°	59845	1 pc.	59854	1 pc.	59864	1 pc.	59875	1 pc.	59886	1 pc.
1-1/4	90°	59702	1 pc.	59709	1 pc.	59718	1 pc.	59728	1 pc.	59739	1 pc.
	45°	59750	1 pc.	59757	1 pc.	59766	1 pc.	59776	1 pc.	59787	1 pc.
	30°	59798	1 pc.	59805	1 pc.	59814	1 pc.	59824	1 pc.	59835	1 pc.
	22-1/2°	59846	1 pc.	59855	1 pc.	59865	1 pc.	59876	1 pc.	59887	1 pc.
1-1/2	90°	59703	1 pc.	59710	1 pc.	59719	1 pc.	59729	1 pc.	59740	1 pc.
	45°	59751	1 pc.	59758	1 pc.	59767	1 pc.	59777	1 pc.	59788	1 pc.
	30°	59799	1 pc.	59806	1 pc.	59815	1 pc.	59825	1 pc.	59836	1 pc.
	22-1/2°	59847	1 pc.	59856	1 pc.	59866	1 pc.	59877	1 pc.	59888	1 pc.
2	90°	59704	1 pc.	59711	1 pc.	59720	1 pc.	59730	1 pc.	59741	1 pc.
	45°	59752	1 pc.	59759	1 pc.	59768	1 pc.	59778	1 pc.	59789	1 pc.
	30°	59800	1 pc.	59807	1 pc.	59816	1 pc.	59826	1 pc.	59837	1 pc.
	22-1/2°	59848	1 pc.	59857	1 pc.	59867	1 pc.	59878	1 pc.	59889	1 pc.
2-1/2	90°	59705	1 pc.	59712	1 pc.	59721	1 pc.	59731	1 pc.	59742	1 pc.
	45°	59753	1 pc.	59760	1 pc.	59769	1 pc.	59779	1 pc.	59790	1 pc.
	30°	59801	1 pc.	59808	1 pc.	59817	1 pc.	59827	1 pc.	59838	1 pc.
	22-1/2°	59849	1 pc.	59898	1 pc.	59868	1 pc.	59879	1 pc.	59890	1 pc.
3	90°	59706	1 pc.	59713	1 pc.	59722	1 pc.	59732	1 pc.	59743	1 pc.
	45°	59754	1 pc.	59761	1 pc.	59770	1 pc.	59780	1 pc.	59791	1 pc.
	30°	59802	1 pc.	59809	1 pc.	59818	1 pc.	59828	1 pc.	59839	1 pc.
	22-1/2°	59850	1 pc.	59859	1 pc.	59869	1 pc.	59880	1 pc.	59891	1 pc.
3-1/2	90°	Use Standard Schedule 40 Radius (15")		59714	1 pc.	59723	1 pc.	59733	1 pc.	59744	1 pc.
	45°			59762	1 pc.	59771	1 pc.	59781	1 pc.	59792	1 pc.
	30°			59810	1 pc.	59819	1 pc.	59829	1 pc.	59840	1 pc.
	22-1/2°			59860	1 pc.	59870	1 pc.	59881	1 pc.	59892	1 pc.
4	90°	Use Standard Schedule 40 Radius (16")		59715	1 pc.	59724	1 pc.	59734	1 pc.	59745	1 pc.
	45°			59763	1 pc.	59772	1 pc.	59782	1 pc.	59793	1 pc.
	30°			59811	1 pc.	59820	1 pc.	59830	1 pc.	59841	1 pc.
	22-1/2°			59861	1 pc.	59871	1 pc.	59882	1 pc.	59893	1 pc.
5	90°	Use Standard Schedule 40 Radius (24")		***	59725	1 pc.	59735	1 pc.	59746	1 pc.	
	45°			***	59773	1 pc.	59783	1 pc.	59794	1 pc.	
	30°			***	59821	1 pc.	59831	1 pc.	59842	1 pc.	
	22-1/2°			***	59872	1 pc.	59883	1 pc.	59894	1 pc.	
6	90°	Use Standard Schedule 40 Radius (30")				****	59736	1 pc.	59747	1 pc.	
	45°	****	59784	1 pc.	59795	1 pc.					
	30°	****	59832	1 pc.	59843	1 pc.					
	22-1/2°	****	59884	1 pc.	59895	1 pc.					
8	90°	-	-	-	-	-	-	-	894493	1 pc.	
	45°	-	-	-	-	-	-	-	894494	1 pc.	

\* 60" radius available upon request

\* Special radius bell end elbows available upon request

\* Contact your Allied Tube & Conduit Electrical Representative for more information

**PVC Conduit & Fittings are not available in all markets.**

Please contact your Allied representative or distributor for details.

NOTE: Special orders are non-cancelable, non-returnable and non-refundable

# PVC Schedule 80 - Special Radius Elbows (Plain End)



## Schedule 80 - Special Radius Elbows

		18" Radius		24" Radius		30" Radius		36" Radius	
Trade Size	Degree	Part Number	Bundle Quantity	Part Number	Bundle Quantity	Part Number	Bundle Quantity	Part Number	Bundle Quantity
1	90°	808827	1 pc.	808831	1 pc.	808835	1 pc.	808845	1 pc.
	45°	808828	1 pc.	808832	1 pc.	808842	1 pc.	808846	1 pc.
	30°	808829	1 pc.	808833	1 pc.	808843	1 pc.	808847	1 pc.
	22-1/2°	808830	1 pc.	808834	1 pc.	808844	1 pc.	808848	1 pc.
1-1/4	90°	808849	1 pc.	808854	1 pc.	808858	1 pc.	808862	1 pc.
	45°	808850	1 pc.	808855	1 pc.	808859	1 pc.	808863	1 pc.
	30°	808851	1 pc.	808856	1 pc.	808860	1 pc.	808864	1 pc.
	22-1/2°	808852	1 pc.	808857	1 pc.	808861	1 pc.	808865	1 pc.
1-1/2	90°	805133	1 pc.	808868	1 pc.	809049	1 pc.	809053	1 pc.
	45°	805131	1 pc.	808869	1 pc.	809050	1 pc.	809054	1 pc.
	30°	808866	1 pc.	808870	1 pc.	809051	1 pc.	809055	1 pc.
	22-1/2°	808867	1 pc.	808871	1 pc.	809052	1 pc.	809056	1 pc.
2	90°	809057	1 pc.	805916	1 pc.	597394	1 pc.	597493	1 pc.
	45°	809058	1 pc.	809061	1 pc.	809067	1 pc.	809070	1 pc.
	30°	809059	1 pc.	809065	1 pc.	809068	1 pc.	809071	1 pc.
	22-1/2°	809060	1 pc.	809066	1 pc.	809069	1 pc.	809072	1 pc.
2-1/2	90°	597043	1 pc.	597123	1 pc.	597391	1 pc.	809081	1 pc.
	45°	805132	1 pc.	809078	1 pc.	809075	1 pc.	809082	1 pc.
	30°	809073	1 pc.	809079	1 pc.	809076	1 pc.	809083	1 pc.
	22-1/2°	809074	1 pc.	809080	1 pc.	809077	1 pc.	809084	1 pc.
3	90°	597063	1 pc.	597152	1 pc.	597392	1 pc.	597494	1 pc.
	45°	809085	1 pc.	809088	1 pc.	809091	1 pc.	809094	1 pc.
	30°	809086	1 pc.	809089	1 pc.	809092	1 pc.	809095	1 pc.
	22-1/2°	809087	1 pc.	809090	1 pc.	809093	1 pc.	809096	1 pc.
4	90°	Use Standard Schedule 40 Radius (16")		597153	1 pc.	597393	1 pc.	597492	1 pc.
	45°			809205	1 pc.	597823	1 pc.	597944	1 pc.
	30°			809206	1 pc.	809208	1 pc.	809210	1 pc.
	22-1/2°			809207	1 pc.	809209	1 pc.	809211	1 pc.
5	90°	-	-	Use Standard Schedule 40 Radius (24")		597395	1 pc.	597495	1 pc.
	45°	-	-			597824	1 pc.	597946	1 pc.
	30°	-	-			809212	1 pc.	809214	1 pc.
	22-1/2°	-	-			809213	1 pc.	809215	1 pc.
6	90°	-	-	-	-	809249	1 pc.	597491	1 pc.
	45°	-	-	-	-	809250	1 pc.	597945	1 pc.
	30°	-	-	-	-	809251	1 pc.	809253	1 pc.
	22-1/2°	-	-	-	-	809252	1 pc.	809254	1 pc.

• 60" radius available upon request

• Contact your Allied Tube & Conduit Electrical Representative for more information

**PVC Conduit & Fittings are not available in all markets.**

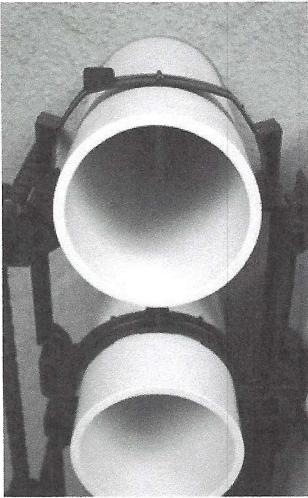
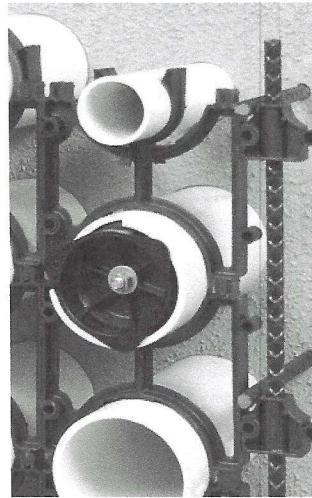
Please contact your Allied representative or distributor for details.

NOTE: Special orders are non-cancelable, non-returnable and non-refundable

# Plastic Duct Spacers

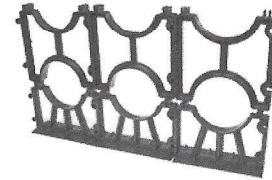
## Plastic duct spacers for completely enclosed and locked-in duct banks.

- They snap together, vertically, slide together horizontally for fast, secure field assembly.
- Only two components, base and intermediate, are needed. Banding is not necessary.
- With the Vertical-lok spacer, ducts are accurately separated. Spacers lock firmly together, preventing separation.
- Alignment of the duct bank sections is relatively easy with this completely locked-in construction.
- To prevent the top tier from floating during encased burial, it is suggested that an intermediate spacer be used as a cap.
- Used in both EB and DB installations.
- Vertical and horizontal interlocking permits building a strong, lock-in duct bank. A wide baseplate provides solid support for heaviest loads.
- Units slide together for horizontal locking.



### Intermediate & Base Spacer Dimensions\*

Trade Size	1" Separation			1-1/2" Separation			2" Separation			3" Separation		
	R	A	C	R	A	C	R	A	C	R	A	C
2	Saddle spacers only	1.2	4.0	1.5	1.2	4.5	2.0	1.2	5.5	3.0		
3	Saddle spacers only	1.8	5.1	1.5	1.8	5.6	2.0	1.8	6.6	3.0		
4	2.3	5.6	1.0	2.3	6.1	1.5	12.3	6.6	2.0	2.3	7.6	3.0
5	Saddle spacers only	2.9	7.3	1.5	2.9	7.9	2.0	2.9	8.9	3.0		
6	—	—	—	3.3	8.2	1.5	3.4	6.7	2.0	3.4	9.0	3.0



\*Base spacers provide a 3" separation between bottom row of ducts & trench floor, except for 4" x 1", which is 1-3/4".

All Dimensions are in inches.

\* Not UL Listed

### Intermediate Spacers\*

Trade Size	1" Separation			1-1/2" Separation			2" Separation			3" Separation		
	Part No.	Std. Pack	Wgt. lbs.	Part No.	Std. Pack	Wgt. lbs.	Part No.	Std. Pack	Wgt. lbs.	Part No.	Std. Pack	Wgt. lbs.
2	—	—	—	150-1	350	34	152-1	300	31	154-1	200	27
3	—	—	—	156-1	225	32	158-1	200	31	160-1	125	23
4	120-1	200	37	185-1	150	30	124-1	125	28	189-1	90	26
5	—	—	—	128-1	100	28	130-1	100	30	191-1	80	23
6	—	—	—	132-1	100	27	134-1	90	31	162-1	70	26

\* Not UL Listed

### Base Spacers\*

Trade Size	1" Separation			1-1/2" Separation			2" Separation			3" Separation		
	Part No.	Std. Pack	Wgt. lbs.	Part No.	Std. Pack	Wgt. lbs.	Part No.	Std. Pack	Wgt. lbs.	Part No.	Std. Pack	Wgt. lbs.
2	—	—	—	151-1	250	31	153-1	225	33	155-1	225	35
3	—	—	—	157-1	175	31	159-1	155	28	161-1	150	32
4	121-1	175	35	186-1	140	39	125-1	140	42	190-1	120	40
5	—	—	—	129-1	120	42	131-1	120	42	192-1	100	38
6	—	—	—	133-1	100	32	135-1	100	42	163-1	95	38

\* Not UL Listed

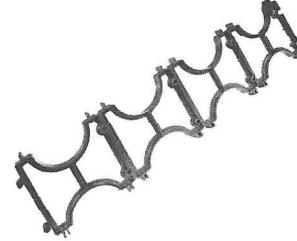
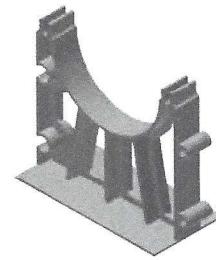
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16100 S. Lathrop Ave., Harvey, IL 60426

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NOTE: Special orders are non-cancelable, non-returnable and non-refundable



# PVC Couplings

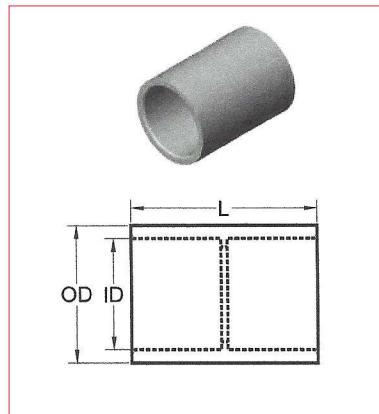
**allied**  
TUBE & CONDUIT<sup>®</sup>

A PART OF  atkore

## Couplings

Trade Size	Part Number	Unit Quantity	Outside (OD) Diameter (in)	Inside (ID) Diameter (in)	Length (L) (in)
1/2	59601	200	1.080	0.840	1.437
3/4	59602	125	1.300	1.050	1.703
1	59603	70	1.590	1.315	2.031
1-1/4	59604	40	2.000	1.660	2.156
1-1/2	59605	30	2.230	1.900	2.281
2	59606	40	2.720	2.375	2.406
2-1/2	59607	20	3.320	2.875	3.187
3	59608	40	4.000	3.500	3.437
3-1/2	59609	30	4.500	4.000	3.625
4	59610	20	5.000	4.500	3.750
5	59611	10	6.120	5.565	4.187
6	59612	8	7.370	6.625	4.562

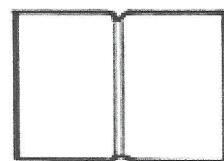
Listed to UL651



## Fabricated Long Couplings

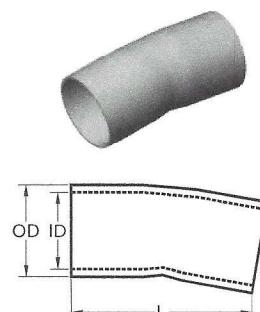
Trade Size	Part Number	Unit Quantity	Outside (OD) Diameter (in)	Inside (ID) Diameter (in)	Length (L) (in)
2	895124	15	2.559	2.393	5.000
2-1/2	895125	10	3.100	2.890	6.500
3	895126	10	3.769	3.515	8.000
4	895127	5	4.847	4.515	9.000
5	895128	5	6.003	5.593	10.500
6	895129	5	6.658	6.658	11.000
8	894495	1	8.652	7.981	12.500

Listed to UL651



## 5° Couplings

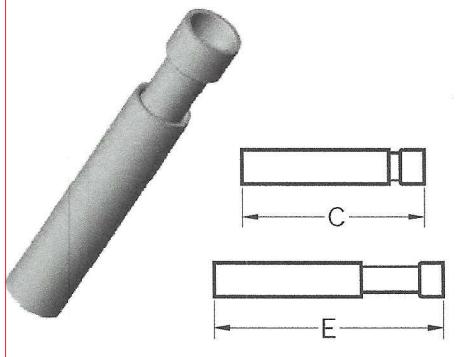
Trade Size	Part Number	Unit Quantity	Outside (OD) Diameter (in)	Inside (ID) Diameter (in)	Length (L) (in)
2	802731	20	2.375	2.049	4.0
2-1/2	802732	12	2.875	2.445	5.5
3	802733	25	3.500	3.042	6.0
3-1/2	802734	15	4.000	3.521	7.0
4	802735	15	4.500	3.998	7.0
5	802736	8	5.565	5.018	7.5
6	802737	4	6.625	6.031	11.0



## Expansion Couplings - Two Piece

Trade Size	Part Number	Unit Quantity	Expanded (E) (in)	Contracted (C) (in)	Travel (in)
1/2*	789646	25	12.00	8.00	4.00
3/4	789647	10	12.00	8.00	4.00
1	789648	10	12.50	8.50	4.00
1-1/4	789649	5	13.00	9.00	4.00
1-1/2	789650	5	13.00	9.00	4.00
2	789651	25	13.25	9.25	4.00
2-1/2*	789652	12	13.25	9.25	4.00
3	789653	12	22.25	14.25	8.00
3-1/2*	789654	6	22.25	14.25	8.00
4	789655	6	22.25	14.25	8.00
5*	789656	1	22.25	14.25	8.00
6	789657	1	22.25	14.25	8.00

Third-party certified to UL 651 except for trade sizes marked with an asterisk\*



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16100 S. Lathrop Ave., Harvey, IL 60426

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NOTE: Special orders are non-cancelable, non-returnable and non-refundable

[www.allieddeg.com](http://www.allieddeg.com)

# PVC Adapters, Straps, & Meter Accessories

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TUBE & CONDUIT<sup>®</sup>

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## Terminal Adapters

Trade Size	Part Number	Unit Quantity	A (in)	B (in)	Inside (ID) Diameter (in)	Length (L) (in)
1/2	59615	200	0.750	0.700	0.591	1.550
3/4	59616	125	1.000	0.675	0.790	1.750
1	59617	70	1.115	0.625	1.000	1.860
1-1/4	59618	40	1.300	0.640	1.311	2.125
1-1/2	59619	30	1.425	0.725	1.530	2.250
2	59620	40	1.150	0.800	1.970	2.100
2-1/2	59621	20	1.900	0.800	2.346	2.930
3	59622	40	2.000	0.815	2.915	3.055
3-1/2	59623	30	1.715	1.000	3.385	3.055
4	59624	20	1.990	0.815	3.850	3.215
5	59625	10	2.000	1.725	5.015	5.985
6	59626	8	2.130	1.875	6.025	6.500

Listed to UL651

## Female Adapters - NPT Tapered Thread

Trade Size	Part Number	Unit Quantity	A (in)	B (in)	Inside (ID) Diameter (in)	Length (L) (in)
1/2	59630	200	0.800	0.825	0.620	1.725
3/4	59631	125	0.800	1.000	0.820	1.900
1	59632	70	1.000	1.200	1.065	2.300
1-1/4	59633	40	1.015	1.300	1.395	2.425
1-1/2	59634	30	1.050	1.290	1.575	2.440
2	59635	40	1.075	1.375	2.050	2.550
2-1/2	59636	20	1.675	1.985	2.470	3.760
3	59637	40	1.630	2.150	3.090	4.100
3-1/2	59638	30	1.800	2.000	3.540	3.985
4	59639	20	1.755	2.185	4.025	4.210
5	59640	10	2.065	3.000	5.035	5.240
6	59641	8	2.065	3.000	6.045	5.235

## Meter Hubs

Trade Size	Part Number	Unit Quantity
1-1/4	802801	50
1-1/2	802802	25
2	802803	50

Listed to UL651



## Service Entrance Fittings

Trade Size	Part Number	Unit Quantity
1/2	59269	10
3/4	59270	10
1	59271	20
1-1/4	59272	20
1-1/2	59273	20
2	59274	5
2-1/2*	59275	5
3	59276	5
3-1/2*	59277	5
4	59278	1

Listed to UL651



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## Meter Offsets

Trade Size	Part Number	Unit Quantity
1-1/4	59193	15
2	59194	8

Listed to UL651



## Pipe Straps\* - PVC - 2 Hole

Trade Size	Part Number	Unit Quantity
1/2	59280	300
3/4	59281	200
1	59282	200
1-1/4	59283	200
1-1/2	59284	200
2	59285	200

Listed to UL651



## Pulling Elbow

Trade Size	Part Number	Unit Quantity
1/2	52400	75
3/4	52401	50

Listed to UL651



NOTE: Special orders are non-cancelable, non-returnable and non-refundable

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# PVC Fittings - Misc., & Solvent Cement

## End Cap

Trade Size	Part Number	Unit Quantity
1/2	59645	100
3/4	59646	100
1	59647	50
1-1/4	59648	25
1-1/2	59649	25
2	59125	50
2-1/2	59126	25
3	59127	25
4	59128	25
5	59129	25
6	59130	10



## End Bell Molded

Trade Size	Part Number	Unit Quantity
1/2	59673	100
3/4	59674	100
1	59675	50
1-1/4	59676	50
1-1/2	59677	50
2	59678	40
2-1/2	59679	50
3	59680	50
3-1/2	59681	50
4	59682	50
5	59683	25
6	59684	15



## Junction Box Adapters

Trade Size	Part Number	Unit Quantity
1/2	33715	100
3/4	33716	100
1	33717	100
1-1/4	33718	50
1-1/2	33719	50
2	33720	25
2-1/2	33721	10
3	33722	10
3-1/2	33723	10
4	33724	10



## Poly Plug with Pulling Eye

Trade Size	Part Number	Unit Quantity
2	802918	60
3	802919	30
4	802920	48
5	802921	30
6	802922	30



## Reducer Bushings

Trade Size	Part Number	Unit Quantity
<b>3/4 x 1/2</b>	59897	100
<b>1 x 1/2*</b>	802738	300
<b>1 x 3/4</b>	59899	100
<b>1-1/4 x 3/4*</b>	802739	100
<b>1-1/4 x 1*</b>	59901	50
<b>1-1/2 x 1*</b>	802740	50
<b>1-1/2 x 1-1/4*</b>	59903	50
<b>2 x 1*</b>	802741	50
<b>2 x 1-1/4*</b>	802742	25
<b>2 x 1-1/2</b>	59905	25
<b>2-1/2 x 2*</b>	59906	25
<b>3 x 2*</b>	802743	25
<b>3 x 2-1/2*</b>	59909	25
<b>4 x 2*</b>	802744	15
<b>4 x 3*</b>	59908	20
<b>4 x 3-1/2*</b>	59910	20



UL Listed - **Bolded**

\* Not UL Listed

## Conduit Cement #99

Size	Part Number	Unit Quantity
1/2 Pint	85177	24
Pint	85174	12
Quart	85175	12
Gallon	85176	6



## Primer Clear



• Purple primer and gray conduit cement available upon request.

• Contact your Allied Tube & Conduit Electrical Representative for more information

NOTE: Special orders are non-cancelable, non-returnable and non-refundable

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# Electrical Metallic Tubing (EMT) and True Color™ EMT



## FEATURES & SPECIFICATIONS

### Manufactured for Long Life

Allied Tube & Conduit® EMT is precision manufactured from high grade mild strip steel for exceptional durability and long-lasting life. Allied EMT is hot galvanized using a patented inline Flo-Coat® process. This process combines zinc, a conversion coating, and a clear organic polymer topcoat to form a triple layer of protection against corrosion and abrasion.

E-Z Pull® EMT combines strength with ductility, providing easy bending, cutting and joining while resisting flattening, kinking and splitting. Available in sizes 1/2 (16) - 4 (103).

### Coatings

Allied's EMT (Electrical Metallic Tubing) has a special low friction ID coating called E-Z Pull that greatly improves the slip properties between conduit and wire. With E-Z Pull EMT, wire pulls through the EMT smoothly and easily, making installation easier and faster.

### EMI Shielding

Allied EMT is very effective in reducing electromagnetic field levels for encased power distribution circuits, shielding computers and other sensitive electronic equipment from the effects of electromagnetic interference.

For more information on EMT shielding, visit [www.alliedeg.com](http://www.alliedeg.com) to obtain the **GEMI** (Grounding and Electro-Magnetic Interference) software analysis program.

### Codes & Standards Compliance

Allied EMT is listed to Underwriters Laboratories Safety Standard UL 797 and meets ANSI C80.3. These standards have been adopted as federal specifications in lieu of WWC 563. EMT is recognized as an equipment grounding conductor by NEC Section 250-118. Documentation for compliance with NEC Article 250 is also available in the **GEMI** (Grounding and Electro-Magnetic Interference) analysis software and related research studies found at the [www.alliedeg.com](http://www.alliedeg.com) website.

Installation of EMT shall be in accordance with the National Electrical Code and the UL listing information. Allied EMT is listed in category FJMX. Master bundles conform to NEMA Standard RN2.

### Specification Data

To specify Allied EMT, include the following: Electrical Metallic Tubing shall be equal to that manufactured by Allied Tube & Conduit Corporation. EMT shall be hot galvanized steel O.D. with an organic corrosion resistant I.D. coating, and shall be listed to UL Safety Standard 797 and manufactured in accordance with ANSI C80.3.

## Electrical Metallic Tubing (EMT) and True Color™ EMT

Listed to Underwriters Laboratories Safety Standard UL 797  
Manufactured in accordance with ANSI C80.3



Trade Size	Metric Designator	Outside Diameter <sup>1</sup>		Nominal Wall Thickness <sup>2</sup>		Approximate Weight Per 100 Ft. (30.5M)		Red and Galvanized Master Bundle Quantity		True Color** Bundle Qty.	
1/2	16	in	mm	in	mm	lb	kg	ft	m	ft	m
3/4	21	0.706	17.93	0.042	1.07	30	13.6	7000	2135	3500	1066.8
1	27	0.922	23.42	0.049	1.24	46	20.9	5000	1525	2500	762.0
1-1/4	35	1.163	29.54	0.057	1.45	67	30.4	3000	915	1500*	457.2
1-1/2	41	1.510	38.35	0.065	1.65	101	45.8	2000	610	2000	609.6
2	53	1.740	44.20	0.065	1.65	116	52.6	1500	457.5	1500	457.2
2-1/2	63	2.197	55.80	0.065	1.65	148	67.1	1200	366.0	1200	365.7
3	78	2.875	73.03	0.072	1.83	216	98.0	610	186.1	610	185.9
3-1/2	91	3.500	88.90	0.072	1.83	263	119.3	510	155.6	510	155.4
4	103	4.000	101.60	0.083	2.11	349	158.3	370	112.9	370	112.7
		4.500	114.30	0.083	2.11	393	178.3	300	91.5	300	91.5

<sup>1</sup>Outside diameter tolerances: +/- .005 in. (.13mm) for trade sizes 1/2 (16mm)

through 2 (53mm);

+/- .010 in. (.25mm) for trade sizes 2-1/2 (63mm);

+/- .015 in. (.38mm) for trade size 3 (78mm);

+/- .020 in. (.51mm) for trade sizes 3-1/2 (91mm) and 4 (103mm).

<sup>\*</sup>Blue trade size 1 master bundle size: 3000 ft / 915 m

<sup>\*\*</sup> Other Color Trade Sizes 2 - 4 are available thru special order

NOTE: Length = 10 ft. (3.05m) with a tolerance of +/- .25 in. (6.35 mm)

NOTE: Special orders are non-cancelable, non-returnable and non-refundable

# Galvanized Rigid Conduit (GRC) and Kwik-Couple® GRC



## Galvanized Rigid Conduit (GRC)

- Hot-dip galvanized for excellent corrosion resistance
- High strength ductile steel for long life and easy bending
- Smooth, continuous raceways for fast wire pulling
- Kwik-Release End Cap to protect threads
- True Color™ GRC special orders available
- Listed to Safety Standard UL 6
- Manufactured in accordance with ANSI C80.1
- Available in sizes 1/2 (16) - 6 (155)

## Kwik-Couple Galvanized Rigid Conduit (GRC)

- Similar Benefits to standard GRC Conduit\*
- Factory installed Kwik-Couple™ couplings are available on GRC conduit

**Just line up the ends, spin the coupling forward onto the next piece and wrench tighten. It's that easy!**

- No separate couplings to purchase, inventory or install
- Kwik-Release End Cap to protect threads
- True Color™ Kwik-Couple® GRC special orders available
- Manufactured in accordance with ANSI C80.1
- Available in sizes 2 1/2 (63) - 5 (129)

\*Kwik-Couple GRC does not contain a listing for wet locations and is not approved for Class I Division I locations.

Chart on the following page

## Kwik-Couple Rigid Elbows

- Also available with pre-installed Kwik-Couple Couplings
- Made to order, contact us for lead times

## Galvanized Rigid Conduit (GRC)

Listed to UL 6, manufactured in accordance with ANSI C80.1

Trade Size	Metric Designator	Outside Diameter <sup>1</sup>		Nominal Wall Thickness <sup>2</sup>		Approximate Weight Per 100 Ft. (30.5M)		Quantity in Master Bundle*	
		in	mm	in	mm	lb	kg	ft	m
1/2	16	0.840	21.34	0.104	2.64	82	37.2	2500	762.5
3/4	21	1.050	26.67	0.107	2.72	109	49.4	2000	610.0
1	27	1.315	33.40	0.126	3.20	161	73.0	1250	381.3
1 1/4	35	1.660	42.16	0.133	3.38	218	98.9	900	274.5
1 1/2	41	1.900	48.26	0.138	3.51	263	119.3	800	244.0
2	53	2.375	60.33	0.146	3.71	350	158.8	600	183.0
2 1/2	63	2.875	73.03	0.193	4.90	559	253.6	370	112.9
3	78	3.500	88.90	0.205	5.21	727	329.8	300	91.5
3 1/2	91	4.000	101.60	0.215	5.46	880	399.2	250	76.3
4	103	4.500	114.30	0.225	5.72	1030	467.2	200	61.0
5	129	5.563	141.30	0.245	6.22	1520	689.5	150	45.8
6	155	6.625	168.28	0.266	6.76	1785	809.7	100	30.5

## Project Information

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State & Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Project Name: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

<sup>1</sup> Tolerances: Trade Size 1/2 to 1-1/2: ±0.015" (0.38mm); Trade Size 2-6: ±1% Length equals 10 ft. (3.05m) with a tolerance of +/- .25 in. (6.35mm)

<sup>2</sup> For information only. Not a requirement of the UL standard.

\* NEMA RN-3 Standard

NOTE: Special orders are non-cancelable, non-returnable and non-refundable

# Galvanized Rigid Conduit (GRC) Couplings & Elbows

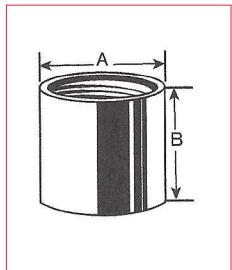
## Galvanized Rigid Conduit (GRC) Couplings

Manufactured to Underwriters Laboratory Safety Standards UL 6

Manufactured in accordance with ANSI C80.1

Trade Size	Metric Designator	Nominal O.D. (A) <sup>2</sup>		Length (B) <sup>1</sup>		Threads Per Inch <sup>1</sup>	Approximate Weight Per 100 Pieces		Standard Package
1/2	16	in	mm	in	mm	14	lb	kg	100
3/4	21	1.01	25.7	1 5/8	41.3	14	12	5.4	50
1	27	1.25	31.8	1 41/64	41.7	14	18	8.2	30
1 1/4	35	1.53	38.7	1 31/32	50.0	11 1/2	30	13.6	25
1 1/2	41	1.87	47.5	2 1/32	51.6	11 1/2	37	16.8	25
2	53	2.16	54.7	2 1/16	52.4	11 1/2	52	23.6	20
2 1/2	63	2.65	67.3	2 1/8	54.0	11 1/2	72	32.7	20
3	78	3.25	82.6	3 3/16	81.0	8	170	77.1	1
3 1/2	91	3.87	98.3	3 5/16	84.1	8	210	95.3	1
4	103	4.50	114.3	3 13/32	86.5	8	340	154.2	1
5	129	4.88	123.8	3 33/64	89.3	8	300	136.1	1
6	155	6.00	152.4	3 61/64	100.4	8	475	215.5	1
		7.20	182.9	4 1/4	108.0	8	765	347.0	1

<sup>1</sup>Minimum requirement as per UL Standard



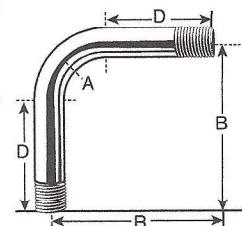
## Galvanized Rigid Conduit (GRC) 90 Degree Elbows

Listed to UL Safety Standard 6

Manufactured in accordance with ANSI C80.1



Trade Size	Metric Designator	Radius (A) <sup>1</sup>		Offset (B) <sup>2</sup>		Straight (D) <sup>1</sup>		Approximate Weight Per 100 Pieces		Standard Package
1/2	16	4	102	5 7/8	149	1 1/2	38	68	30.8	50
3/4	21	4 1/2	114	7	178	1 1/2	38	109	49.4	50
1	27	5 3/4	146	8 3/4	222	1 7/8	48	201	91.2	25
1 1/4	35	7 1/4	184	10 3/4	273	2	51	336	152.4	20
1 1/2	41	8 1/4	210	12 1/4	311	2	51	460	208.7	15
2	53	9 1/2	241	14 1/2	368	2	51	729	330.7	10
2 1/2	63	10 1/2	267	17	432	3	76	1374	623.2	1
3	78	13	330	19 5/8	498	3 1/8	79	2045	927.6	1
3 1/2	91	15	381	22 3/4	578	3 1/4	83	2860	1297.3	1
4	103	16	406	23 7/8	606	3 3/8	86	3519	1596.2	1
5	129	24	610	34 7/8	886	3 5/8	92	6942	3148.9	1
6	155	30	762	45 1/2	1156	3 3/4	95	11960	5425.1	1



<sup>1</sup>Minimum requirement as per UL Standard

<sup>2</sup>For information only, not a requirement as per UL Standard

Sizes 2 1/2 (63) and larger shipped in palletized cartons or bulk.

Also available in the following Degrees (60°, 45°, 30°, 22-1/2°, 15° & 11-1/4°)

**KWIK-COUPLE ELBOWS AVAILABLE**  
by special order in Trade Size 2-1/2 to 5

NOTE: Special orders are non-cancelable, non-returnable and non-refundable

# Galvanized Rigid Conduit (GRC) Elbows & Nipples

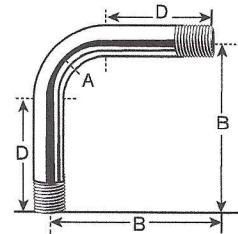
**allied**  
TUBE & CONDUIT<sup>®</sup>

A PART OF **Atkore** INTERNATIONAL

## Galvanized Rigid Conduit (GRC) Large Radius 90 Degree Elbows (continued)

Listed to UL Safety Standard 6

Manufactured in accordance with ANSI C80.1



<sup>2</sup>For information only, not a requirement as per UL Standard

Shipped in palletized cartons or bulk.

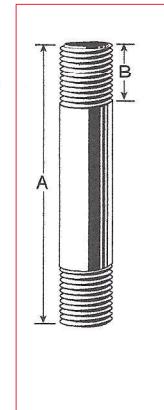
Also available in the following Degrees (60°, 45°, 30°, 22-1/2°, 15° & 11-1/4°)

**KWIK-COUPLE AVAILABLE**  
Trade Size 2-1/2 to 5 by special order

## Galvanized Rigid Conduit (GRC) Nipples

Listed to UL Safety Standard 6

Manufactured in accordance with ANSI C80.1



Trade Size	Metric Designator	Length (A)		Total Thread Length (B) <sup>1</sup>		Threads Per Inch <sup>1</sup>	Approximate Weight Per 100 Pieces		Standard Package
1/2	16	(Close) 1 1/8	29	0.78	19.8	14	lb	kg	25
1/2	16	1 1/2	38	0.78	19.8	14	6	2.7	25
1/2	16	2	51	0.78	19.8	14	8	3.6	25
1/2	16	2 1/2	64	0.78	19.8	14	12	5.4	25
1/2	16	3	76	0.78	19.8	14	15	6.8	25
1/2	16	3 1/2	89	0.78	19.8	14	19	8.6	25
1/2	16	4	102	0.78	19.8	14	22	10.0	25
1/2	16	5	127	0.78	19.8	14	26	11.8	25
1/2	16	6	152	0.78	19.8	14	33	15.0	25
1/2	16	8	203	0.78	19.8	14	40	18.1	25
1/2	16	10	254	0.78	19.8	14	54	24.5	25
1/2	16	12	305	0.78	19.8	14	68	30.8	25
3/4	21	(Close) 1 3/8	35	0.79	20.1	14	9	4.1	25
3/4	21	1 1/2	38	0.79	20.1	14	10	4.5	25
3/4	21	2	51	0.79	20.1	14	14	6.4	25
3/4	21	2 1/2	64	0.79	20.1	14	19	8.6	25
3/4	21	3	76	0.79	20.1	14	24	10.9	25
3/4	21	3 1/2	89	0.79	20.1	14	28	12.7	25
3/4	21	4	102	0.79	20.1	14	34	15.4	25
3/4	21	5	127	0.79	20.1	14	43	19.5	25
3/4	21	6	152	0.79	20.1	14	52	23.6	25
3/4	21	8	203	0.79	20.1	14	73	33.1	25
3/4	21	10	254	0.79	20.1	14	89	40.4	25
3/4	21	12	305	0.79	20.1	14	109	49.4	25

<sup>1</sup>Minimum requirement as per UL Standard

A tolerance of minus one thread applies to Total length of Thread

Chart continued on the next page

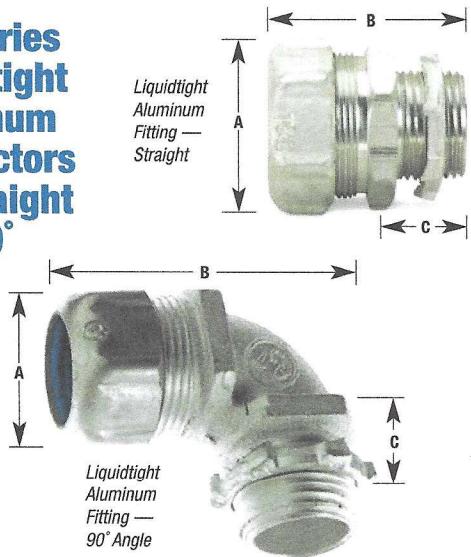
NOTE: Special orders are non-cancellable, non-returnable and non-refundable

# T&B Fittings

## Liquidtight Flexible Metal Conduit Fittings

High-quality, corrosion-resistant, liquidtight termination for LTA flexible aluminum conduit.

### 52® Series Liquidtight Aluminum Connectors — Straight and 90°



#### Specifications

##### Standard Material

- Body, Gland, Locknut ..... Aluminum
- Sealing Ring ..... Thermoplastic

##### Standard Finish

- Body, Gland, Locknut... Zinc Plating with Clear Chromate Ground Cones



CAT. NO.	CONDUIT SIZE (IN.)	A	B	C
<b>Straight</b>				
5231AL	5/8	1 1/32	1 1/2	5/16
5232AL	1/2	1 1/8	1 1/16	5/16
5233AL	3/4	1 29/32	1 1/8	5/16
5234AL	1	1 1/8	2 1/16	3/4
5235AL	1 1/4	2 29/32	2 1/2	13/16
5236AL	1 1/2	2 23/32	2 1/16	13/16
5237AL	2	3 1/4	3 1/16	1/8
5238AL	2 1/2	3 1/4	4 1/8	1
5239AL	3	4 1/2	4 1/4	1
5240AL		5 1/2	4 1/2	1 1/8
<b>90° Angle</b>				
5251AL	5/8	1 1/32	1 1/8	5/16
5252AL	1/2	1 1/8	1 1/16	5/16
5253AL	3/4	1 29/32	1 1/8	5/16
5254AL	1	1 1/8	2 3/16	3/4
5255AL	1 1/4	2 29/32	2 3/4	13/16
5256AL	1 1/2	2 23/32	2 15/16	13/16
5257AL	2	3 1/4	3 1/16	1/8

**NEW!**



T&B Fittings

Designed to resist corrosion.

### LTA Flexible Aluminum Conduit

Use T&B LTA Flexible Aluminum Conduit with T&B Aluminum Liquidtight Fittings in corrosive environments or where weight is a major consideration — such as oil platforms, saltwater applications, pulp and paper, refineries, wastewater and food processing.

#### Specifications

- Construction: Utilizes the flexibility of a lightweight aluminum core, coupled with the advantage of a PVC jacket that is virtually unaffected by sunlight, acid and oil. WEEE and RoHS compliant
- Application: Used in situations where concerns of excessive weight and corrosion exist
- Standard Color: Machine tool gray
- Working Temperature: -20° C to +80° C
- Standard Materials/Finish: Conduit Core — Aluminum; Outer Jacket — PVC

CAT. NO.	CONDUIT SIZE (IN.)	LENGTH (FT.)	INSIDE BEND RADIUS (IN.)	WT. (LBS.)/ 100 FT.	WT. (LBS.)/ 50 FT.
LTA50-100	1/2	100	2.5	15	—
LTA75-100	5/8	100	3.0	20	—
LTA100-100	1	100	4.0	29	—
LTA125-50	1 1/4	50	4.5	—	20
LTA150-50	1 1/2	50	5.5	—	28
LTA200-50	2	50	7.0	—	36.5
LTA250-25	2 1/2	25	9.5	188	—
LTA300-25	3	25	11.5	244	—
LTA400-25	4	25	14	332	—



# T&B Fittings

## Liquidtight Flexible Metal Conduit Fittings

**T&B Fittings**

T&B makes liquidtight fittings for demanding situations.

### Liquidtight Flexible Metal Conduit Fittings

**Gland** deflects water away from connector and prevents "pooling" of moisture. Look for the distinctive "Pumpkin" appearance of the gland nut.

**Self-Cleaning Threads** inside gland nut keep dirt and grime out of the threads as you tighten.

**Double Beveled Sealing Ring** is designed with five unique sealing mechanisms and cannot be installed backwards. Manufactured of high-temperature rated thermoplastic to demanding specifications. Look for the unique T&B blue color ensuring the highest quality fitting.

**Safe Edge® Ground Cone** provides superior bonding, stronger pullout, easy threading and conductor protection. Look for the distinctive "ski slope" appearance within the "pumpkin" gland nut.

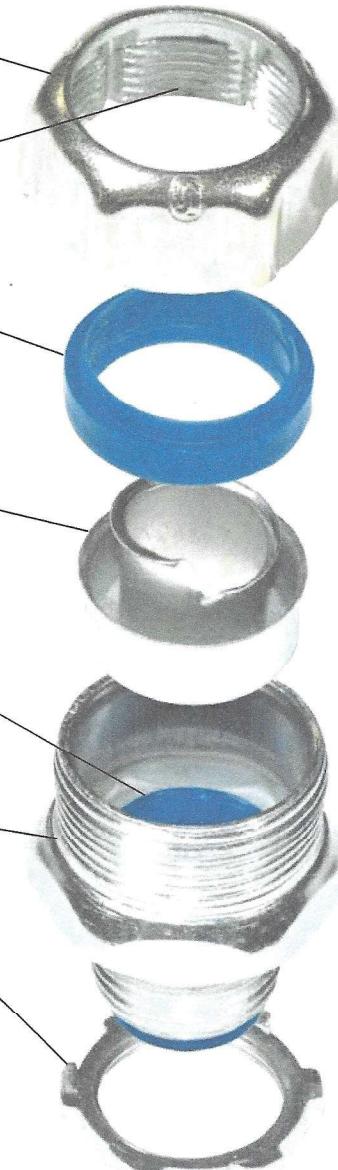
**Heat-Curled Insulator** provides excellent wire protection and easier glide of conductors through and into the fitting. In addition, the heat-curled finish gives the insulator more strength than glue-in insulators. Look for the unique T&B blue color ensuring the highest quality fitting.

**Precision Machined Rolled Threads** provide smooth, easy installations.

**Tempered Cast Locknut with Teeth** provides superior strength and electrical bonding and can be installed without a wrench in the enclosure.



Add suffix -GR to the fitting catalog number to order the Revolver® Grounding version.



#### Revolver® Grounding Fitting

Saves time and money using our infinitely adjustable rotating ground lug. Simply align the lug in your preferred position and tighten the gland. You'll never need to worry about tightening it into an inconvenient position again.



T&B's Heat-Curled Insulator



Competitor's Glue-In Insulator



**Thomas & Betts**

[www.tnb.com](http://www.tnb.com)

A-106

United States  
Tel: 901.252.8000  
800.816.7809  
Fax: 901.252.1354

Technical Services  
Tel: 888.862.3289

## Type C



Threaded bodies for rigid conduit or IMC allow access for inspection, pulling and maintenance. NPT Threads. Type CG comes with neoprene gasket, and is NEMA TYPE 2,3,3R & 4.

File No. E11077

File No. 702847 (C-41CG thru C-46CG)

## Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
C-41	1/2"	10	60
C-42	3/4"	10	60
C-43	1"	5	30
C-44	1 1/4"	2	10
C-45	1 1/2"	2	10
C-46	2"	1	6
C-47	2 1/2"	---	1
C-48	3"	---	1
C-49	3 1/2"	---	1
C-50	4"	---	1

## Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
C-41CG	1/2"	10	60
C-42CG	3/4"	10	60
C-43CG	1"	5	30
C-44CG	1 1/4"	2	10
C-45CG	1 1/2"	2	10
C-46CG	2"	1	6
C-47CG	2 1/2"	---	1
C-48CG	3"	---	1
C-49CG	3 1/2"	---	1
C-50CG	4"	---	1

## Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
C-61	1/2"	5	50
C-62	3/4"	5	50
C-63	1"	2	20
C-64	1 1/4"	2	10
C-65	1 1/2"	2	10
C-66	2"	1	6
C-67	2 1/2"	---	1
C-68	3"	---	1
C-69	3 1/2"	---	1
C-70	4"	---	1

## Combination Type C



Units are threaded for use with rigid or IMC as well as set screws for use with EMT. Preassembled with cover and neoprene gasket. NPT Threads. NEMA TYPE 2,3,3R & 4.

File No. E11077

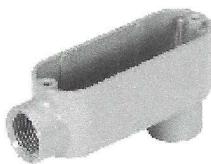
Listed Raintight when used with rigid conduit.

## Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
C-41CGC	1/2"	10	60
C-42CGC	3/4"	10	60
C-43CGC	1"	5	30
C-44CGC	1 1/4"	2	10
C-45CGC	1 1/2"	2	10
C-46CGC	2"	1	6

# Rigid and IMC Conduit Bodies

## Type LB



Threaded bodies for rigid conduit or IMC allow access for inspection, pulling and maintenance. NPT Threads. Type CG comes with neoprene gasket, and is NEMA TYPE 2,3,3R & 4.

File No. E11077

File No. 702847 (LB-41CG thru LB-50CG)

### Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LB-41	1/2"	10	60
LB-42	3/4"	10	60
LB-43	1"	5	30
LB-44	1 1/4"	2	10
LB-45	1 1/2"	2	10
LB-46	2"	1	6
LB-47	2 1/2"	---	1
LB-48	3"	---	1
LB-49	3 1/2"	---	1
LB-50	4"	---	1

### Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LB-61	1/2"	5	50
LB-62	3/4"	5	50
LB-63	1"	2	20
LB-64	1 1/4"	2	10
LB-65	1 1/2"	2	10
LB-66	2"	1	6
LB-67	2 1/2"	---	1
LB-68	3"	---	1
LB-69	3 1/2"	---	1
LB-70	4"	---	1

### Malleable Iron with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LB-61CG	1/2"	5	50
LB-62CG	3/4"	5	50
LB-63CG	1"	2	20
LB-64CG	1 1/4"	2	10
LB-65CG	1 1/2"	2	10
LB-66CG	2"	1	6
LB-67CG	2 1/2"	---	1
LB-68CG	3"	---	1
LB-69CG	3 1/2"	---	1
LB-70CG	4"	---	1

## Combination Type LB



Units are threaded for use with rigid or IMC as well as set screws for use with EMT. Preassembled with cover and neoprene gasket. NPT Threads. NEMA TYPE 2,3,3R & 4.

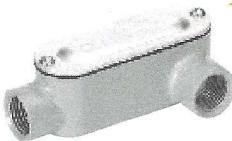
File No. E11077

Listed Raintight when used with rigid conduit.

### Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LB-41CGC	1/2"	10	60
LB-42CGC	3/4"	10	60
LB-43CGC	1"	5	30
LB-44CGC	1 1/4"	2	10
LB-45CGC	1 1/2"	2	10
LB-46CGC	2"	1	6

## Type LL



Threaded bodies for rigid conduit or IMC allow access for inspection, pulling and maintenance. NPT Threads. Type CG comes with neoprene gasket, and is NEMA TYPE 2,3,3R & 4.

File No. E11077

File No. 702847 (LL-41CG thru LL-50CG)

## Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LL-41CG	1/2"	10	60
LL-42CG	3/4"	10	60
LL-43CG	1"	5	30
LL-44CG	1 1/4"	2	10
LL-45CG	1 1/2"	2	10
LL-46CG	2"	1	6
LL-47CG	2 1/2"	---	1
LL-48CG	3"	---	1
LL-49CG	3 1/2"	---	1
LL-50CG	4"	---	1

## Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LL-41	1/2"	10	60
LL-42	3/4"	10	60
LL-43	1"	5	30
LL-44	1 1/4"	2	10
LL-45	1 1/2"	2	10
LL-46	2"	1	6
LL-47	2 1/2"	---	1
LL-48	3"	---	1
LL-49	3 1/2"	---	1
LL-50	4"	---	1

## Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LL-61	1/2"	5	50
LL-62	3/4"	5	50
LL-63	1"	2	20
LL-64	1 1/4"	2	10
LL-65	1 1/2"	2	10
LL-66	2"	1	6
LL-67	2 1/2"	---	1
LL-68	3"	---	1
LL-69	3 1/2"	---	1
LL-70	4"	---	1

## Combination Type LL



Units are threaded for use with rigid or IMC as well as set screws for use with EMT. Preassembled with cover and neoprene gasket. NPT Threads. NEMA TYPE 2,3,3R & 4.

File No. E11077

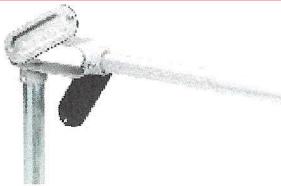
Listed Raintight when used with rigid conduit.

## Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LL-41CGC	1/2"	10	60
LL-42CGC	3/4"	10	60
LL-43CGC	1"	5	30
LL-44CGC	1 1/4"	2	10
LL-45CGC	1 1/2"	2	10
LL-46CGC	2"	1	6

# Rigid and IMC Conduit Bodies

## Combination Type LL/LR



Combination type LL/LR style. Units are threaded for use with rigid or IMC as well as set screws for use with EMT. Preassembled with cover and neoprene gasket. NPT Threads. NEMA TYPE 2,3,3R & 4.

File No. E11077

## Combination Type LR



Units have a threaded interior for use with rigid or IMC as well as set screws for use with EMT. Preassembled with cover and neoprene gasket. NPT Threads. NEMA TYPE 2,3,3R & 4.

File No. E11077

Listed Raintight when used with rigid conduit.

## Type LR



Threaded bodies for rigid conduit or IMC allow access for inspection, pulling and maintenance. NPT Threads. Type CG comes with neoprene gasket, and is NEMA TYPE 2,3,3R & 4.

File No. E11077

File No. 702847 (LR-41CG thru LR-50CG)

## Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LR-41	1/2"	10	60
LR-42	3/4"	10	60
LR-43	1"	5	30
LR-44	1 1/4"	2	10
LR-45	1 1/2"	2	10
LR-46	2"	1	6
LR-47	2 1/2"	---	1
LR-48	3"	---	1
LR-49	3 1/2"	---	1
LR-50	4"	---	1

## Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LLR-41	1/2"	10	60
LLR-42	3/4"	10	60
LLR-43	1"	5	30
LLR-44	1 1/4"	2	10
LLR-45	1 1/2"	2	10
LLR-46	2"	---	5

## Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LR-41CGC	1/2"	10	60
LR-42CGC	3/4"	10	60
LR-43CGC	1"	5	30
LR-44CGC	1 1/4"	2	10
LR-45CGC	1 1/2"	2	10
LR-46CGC	2"	1	6

## Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LR-41CG	1/2"	10	60
LR-42CG	3/4"	10	60
LR-43CG	1"	5	30
LR-44CG	1 1/4"	2	10
LR-45CG	1 1/2"	2	10
LR-46CG	2"	1	6
LR-47CG	2 1/2"	---	1
LR-48CG	3"	---	1
LR-49CG	3 1/2"	---	1
LR-50CG	4"	---	1

## Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LR-61	1/2"	5	50
LR-62	3/4"	5	50
LR-63	1"	2	20
LR-64	1 1/4"	2	10
LR-65	1 1/2"	2	10
LR-66	2"	1	6
LR-67	2 1/2"	---	1
LR-68	3"	---	1
LR-69	3 1/2"	---	1
LR-70	4"	---	1

**Type T**

Threaded bodies for rigid conduit or IMC allow access for inspection, pulling and maintenance. NPT Threads. Type CG comes with neoprene gasket, and is NEMA TYPE 2,3,3R & 4.

File No. E11077

File No. 702847 (T-41CG thru T-50CG)

**Aluminum**

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
T-41	1/2"	10	60
T-42	3/4"	10	60
T-43	1"	5	30
T-44	1 1/4"	2	10
T-45	1 1/2"	2	10
T-46	2"	1	6
T-47	2 1/2"	---	1
T-48	3"	---	1
T-49	3 1/2"	---	1
T-50	4"	---	1

**Aluminum with Cover and Gasket**

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
T-41CG	1/2"	10	60
T-42CG	3/4"	10	60
T-43CG	1"	5	30
T-44CG	1 1/4"	2	10
T-45CG	1 1/2"	2	10
T-46CG	2"	1	6
T-47CG	2 1/2"	---	1
T-48CG	3"	---	1
T-49CG	3 1/2"	---	1
T-50CG	4"	---	1

**Malleable Iron**

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
T-61	1/2"	5	50
T-62	3/4"	5	50
T-63	1"	2	20
T-64	1 1/4"	2	10
T-65	1 1/2"	2	10
T-66	2"	1	6
T-67	2 1/2"	---	1
T-68	3"	---	1
T-69	3 1/2"	---	1
T-70	4"	---	1

**Combination Type T**

Units have a threaded interior for use with rigid or IMC as well as set screws for use with EMT. Preassembled with cover and neoprene gasket. NPT Threads. NEMA TYPE 2,3,3R & 4.

File No. E11077

Listed Raintight when used with rigid conduit.

**Aluminum with Cover and Gasket**

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
T-41CGC	1/2"	10	60
T-42CGC	3/4"	10	60
T-43CGC	1"	5	30
T-44CGC	1 1/4"	2	10
T-45CGC	1 1/2"	2	10
T-46CGC	2"	1	6

# Rigid and IMC Conduit Bodies

## Service Entrance LB



Allows access to the interior of a conduit system for inspection, pulling and maintenance. Mounts flush against structure. Raintight. NPT Threads. Neoprene gasket. NEMA TYPE 2,3,3R & 4.

File No. E11077

### Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1025	1/2"	5	50
1026	3/4"	5	50
1027	1"	---	20
1028	1 1/4"	---	10
1029	1 1/2"	---	5
1030	2"	---	4
1028-XL	1 1/4"	---	10
1030-XL	2"	---	6

## Mogul Conduit Bodies



MLB-44 thru MLB-46



MLB-47 thru MLB-50

Allows larger access to the inside of a raceway for wire pulling. Split diagonal cover and body ensures ease in wire bending. Meets NEC 6X Rule. Raintight. NPT Threads. MLB-44 through MLB-46 has a cellulose gasket. MLB-47 through MLB-50 has a neoprene gasket. NEMA TYPE 2,3,3R & 4.

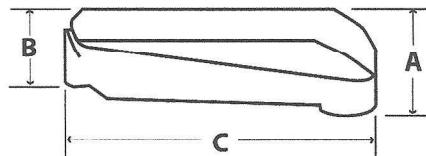
File No. E11077

File No. E11077 (MLB-47 thru MLB-50)

### Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
MLB-44	1 1/4"	---	5
MLB-45	1 1/2"	---	2
MLB-46	2"	---	2
MLB-47	2 1/2"	---	1
MLB-48	3"	---	1
MLB-49	3 1/2"	---	1
MLB-50	4"	---	1

Dim A	Dim B	Dim C
3 1/2"	3"	9 1/2"
5 1/8"	4"	14 1/2"
5 1/8"	4"	14 1/2"
10 1/2"	8 11/16"	22 3/4"
10 1/2"	8 11/16"	22 3/4"
12"	10"	29 1/8"
12"	10"	29 1/8"



## EMT FITTINGS

### STEEL - SET SCREW CONNECTORS

#### Applications

- For use in dry locations to bond EMT conduit to a box or enclosure
- RACO® steel set screw connectors provide concrete-tight connections when taped
- RACO® set screw connectors are suitable for applications above 600V

#### Product Features

- All steel construction insures mechanical protection for the raceway
- Tri-head screws (1/2" to 2" trade sizes) may be installed using a slotted, Phillips, or Robertson head screwdriver
- 2-1/2" to 4" trade sizes are also UL listed for use on Rigid/IMC conduit, allowing for design and installation flexibility
- All components are zinc electroplated for corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for an attractive presentation

#### Compliances

##### 1/2"- 2"

- - Standard 514B  
- C22.2 # 18

##### 2-1/2"- 4"

- - Standard 514B

##### 2-1/2"- 4"

- - C22.2 # 18



UnInsulated Throat Connectors  
Steel



Insulated Connectors  
Steel

## ORDERING INFORMATION

### SET SCREW CONNECTORS – STEEL

INSULATED CATALOG NUMBER	UNINSULATED CATALOG NUMBER	TRADE SIZE	UNIT CTN. QTY.	SHIP CTN. QTY.	UPC BAR CODE
2122	2002	1/2"	50	500	—
2122-8	2002-8	1/2"	1	25	IIIIIIII
2123	2003	3/4"	25	250	—
2123-8	2003-8	3/4"	1	20	IIIIIIII
—	2004	1"	25	100	—
2124	—	1"	—	25	—
2124-8	2004-8	1"	1	10	IIIIIIII
2125	2005	1-1/4"	—	20	—
2126	2006	1-1/2"	—	20	—
2128	2008	2"	—	20	—
2160	2140	2-1/2"	—	5	—
2162RAC	2142	3"	—	1	—
2164	2144	3-1/2"	—	1	—
2166	2146	4"	—	1	—

**EMT FITTINGS****STEEL - SET SCREW COUPLINGS****Applications**

- For use in dry locations to couple two ends of EMT conduit
- RACO® steel set screw couplings provide concrete-tight connections when taped
- RACO® set screw couplings are suitable for applications above 600V

**Product Features**

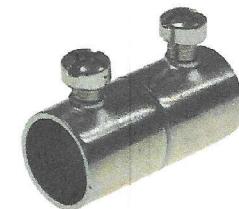
- All steel construction insures mechanical protection for the raceway
- Tri-head screws (1/2" to 2" trade sizes) may be installed using a slotted, Phillips, or Robertson head screwdriver
- 2-1/2" to 4" trade sizes are also UL listed for use on Rigid/IMC conduit, allowing for design and installation flexibility
- All components are zinc electroplated for corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for an attractive presentation

**Compliances****1/2"- 2"**

- - Standard 514B  
- C22.2 # 18

**2-1/2"- 4"**

- - Standard 514B  
• - C22.2 # 18

COUPLINGS  
STEEL**ORDERING INFORMATION****COUPLINGS - STEEL**

CATALOG NUMBER	TRADE SIZE	UNIT CTN. QTY.	SHIP CTN. QTY.	UPC BAR CODE
2022	1/2"	50	500	—
2022-8	1/2"	1	25	
2023	3/4"	25	250	—
2023-8	3/4"	1	20	
2024	1"	25	100	—
2024-8	1"	1	10	
2025	1-1/4"	5	25	—
2026	1-1/2"	—	20	—
2028	2"	—	20	—
2150	2-1/2"	—	5	—
2152	3"	—	1	—
2154	3-1/2"	—	1	—
2156	4"	—	1	—

**RIGID AND IMC FITTINGS****MALLEABLE IRON - INSULATED BUSHINGS****Application**

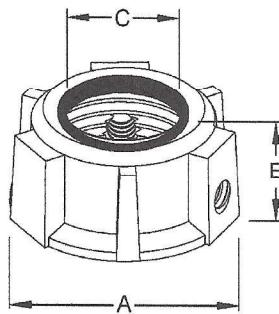
- For use on threaded rigid/IMC conduit to provide a smoothly rounded surface at the entrance of raceways

**Product Features**

- Insuliner temperature rated at 150° C
- Malleable construction insures mechanical protection for the raceway
- Zinc electro plated for corrosion protection

**Compliances**

- Standard 514B
- C22.2 #18



A = O.D.

B = Thickness

C = I.D.

Insulated Bushings  
Malleable Iron**ORDERING INFORMATION - DIMENSIONS****INSULATED BUSHINGS - MALLEABLE IRON**

CATALOG NUMBER	TRADE SIZE	UNIT CTN. QTY.	SHIP CTN. QTY.	UPC BAR CODE
1132	1/2"	—	100	—
1133	3/4"	—	50	—
1134	1"	—	25	—
1135	1-1/4"	—	25	—
1136	1-1/2"	—	25	—
1138	2"	—	10	—
1126	2-1/2"	—	10	—
1127	3"	—	5	—
1128	3-1/2"	—	5	—
1129	4"	—	5	—

**DIMENSIONS**

CATALOG NUMBER	A	B	C THROAT DIA.
1132	1-5/32"	9/16"	37/64"
1133	1-13/32"	9/16"	49/64"
1134	1-3/4"	21/32"	31/32"
1135	2-1/8"	21/32"	1-9/32"
1136	2-11/32"	23/32"	1-1/2"
1138	2-23/32"	23/32"	1-61/64"
1126	3-9/32"	15/16"	2-19/64"
1127	3-7/8"	15/16"	2-29/32"
1128	4-13/32"	15/16"	3-3/8"
1129	4-29/32"	15/16"	3-55/64"

## RIGID AND IMC FITTINGS

### MALLEABLE IRON - INSULATED GROUNDING BUSHINGS

#### Application

- For use on threaded rigid/IMC conduit to provide a means of grounding conduit through an insulated bushing

#### Product Features

- Lay-in lug style provides an easy means of inserting a ground wire
- Dual rated aluminum grounding lugs may be used with copper or aluminum grounding conductors
- Insuliner temperature rated at 150° C
- Malleable construction insures mechanical protection for the raceway
- Zinc electro plated for corrosion protection

#### Compliances

- Standard 514B
- C22.2 #18



Insulated Grounding Bushings – Lay-in Lug  
Malleable Iron

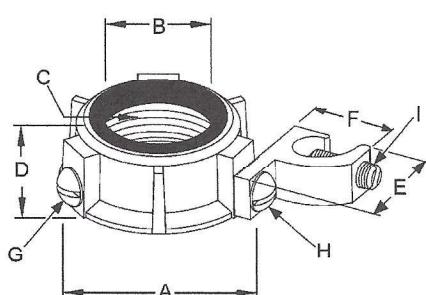
#### ORDERING INFORMATION - DIMENSIONS

##### INSULATED GROUNDING BUSHINGS – LAY-IN LUG – MALLEABLE IRON

CATALOG NUMBER	TRADE SIZE	UNIT CTN. QTY.	SHIP CTN. QTY.	GROUNDING WIRE CAPACITY		UPC BAR CODE
				MIN.	MAX.	
1212	1/2"	—	100	#14 Sol.	# 4 Str.	—
1213	3/4"	—	100	#14 Sol.	# 4 Str.	—
1214	1"	—	50	#14 Sol.	# 4 Str.	—
1215	1-1/4"	—	25	#14 Sol.	# 4 Str.	—
1216	1-1/2"	—	25	#14 Sol.	# 4 Str.	—
1218	2"	—	10	#14 Sol.	# 4 Str.	—
1290	2-1/2"	—	10	#14 Sol.	# 1/0 Str.	—
1292RAC	3"	—	5	#14 Sol.	# 1/0 Str.	—
1294	3-1/2"	—	5	# 6 Str.	# 250 MCM	—
1296	4"	—	5	# 6 Str.	# 250 MCM	—

#### DIMENSIONS

CATALOG NUMBER	A	B	C	D	E	F	G	H	I
	SET SCREW	PAN HEAD SCREW	SET SCREW						
1212	1-5/32"	9/16"	1/2"-14 NPS	37/64"	1-1/16"	3/8"	10-32 x 1/4"	10-32 x 1/4"	14-28 x 5/8"
1213	1-13/32"	9/16"	3/4"-14 NPS	3/4"	1-1/16"	3/8"	10-32 x 1/4"	10-32 x 1/4"	14-28 x 5/8"
1214	1-3/4"	21/32"	1"-11-1/2 NPS	31/32"	1-1/16"	3/8"	10-32 x 1/4"	10-32 x 1/4"	14-28 x 5/8"
1215	2-1/8"	21/32"	1-1/4"-11-1/2 NPS	1-9/32"	1-1/16"	3/8"	10-32 x 1/4"	10-32 x 1/4"	14-28 x 5/8"
1216	2-11/32"	23/32"	1-1/2"-11-1/2 NPS	1-1/2"	1-1/16"	3/8"	10-32 x 1/4"	10-32 x 1/4"	14-28 x 5/8"
1218	2-23/32"	23/32"	2"-11-1/2 NPS	1-61/64"	1-1/16"	3/8"	10-32 x 1/4"	10-32 x 1/4"	14-28 x 5/8"
1290	3-9/32"	15/16"	2-1/2"-8 NPS	2-19/64"	1-1/2"	19/32"	10-32 x 5/16"	1/4-20 x 3/8"	3/8-24 x 7/8"
1292RAC	3-7/8"	15/16"	3"- 8 NPS	2-29/32"	1-1/2"	19/32"	10-32 x 5/16"	1/4-20 x 3/8"	3/8-24 x 7/8"
1294	4-13/32"	15/16"	3-1/2"- 8 NPS	3-3/8"	2-13/64"	51/64"	5/16-24 x 3/8"	5/16-24 x 17/32"	9/16-18 x 1-1/4"
1296	4-29/32"	15/16"	4"- 8 NPS	3-55/64"	2-13/64"	51/64"	5/16-24 x 7/16"	5/16-24 x 17/32"	9/16-18 x 1-1/4"



A = O.D.  
 B = I.D.  
 C = Thread size  
 D = Thickness  
 E = Height of lug  
 F = Width of lug  
 G = Screw spec, bonding screw  
 H = Screw spec, screw that holds lug to bushing  
 I = Screw spec, screw that holds ground wire

## RIGID AND IMC FITTINGS

## MALLEABLE IRON - INSULATED GROUNDING BUSHINGS

**Application**

- For use on threaded rigid/IMC conduit to provide a means of grounding conduit through an insulated bushing

**Product Features**

- Feed-thru lug style provides an easy means of inserting a ground wire
- Dual rated aluminum grounding lugs may be used with copper or aluminum grounding conductors
- Insuliner temperature rated at 150° C
- Malleable construction insures mechanical protection for the raceway
- Zinc electro plated for corrosion protection

**Compliances**

- Standard 514B
- C22.2 #18



Insulated Grounding Bushings – Feed-Thru Lug  
Malleable Iron

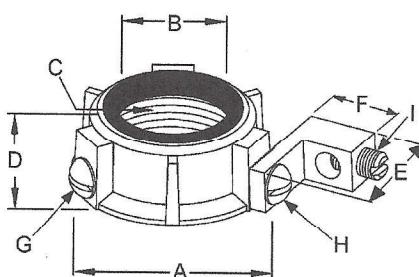
## ORDERING INFORMATION - DIMENSIONS

## INSULATED GROUNDING BUSHINGS – FEED-THRU LUG – MALLEABLE IRON

CATALOG NUMBER	TRADE SIZE	UNIT CTN. QTY.	SHIP CTN. QTY.	GROUNDING WIRE CAPACITY		UPC BAR CODE
				MIN.	MAX.	
1222	1/2"	—	100	#14 Sol.	# 4 Str.	—
1223	3/4"	—	100	#14 Sol.	# 4 Str.	—
1224	1"	—	50	#14 Sol.	# 4 Str.	—
1225	1-1/4"	—	25	#14 Sol.	# 4 Str.	—
1226	1-1/2"	—	25	#14 Sol.	# 4 Str.	—
1228	2"	—	10	#14 Sol.	# 4 Str.	—
1230	2-1/2"	—	10	#14 Sol.	# 1/0 Str.	—
1232RAC	3"	—	5	#14 Sol.	# 1/0 Str.	—
1234	3-1/2"	—	5	#6 Str.	# 250 MCM	—
1236	4"	—	5	#6 Str.	# 250 MCM	—

## DIMENSIONS

CATALOG NUMBER	A	B	C	D	E	F	G	H	I
							SET SCREW	PAN HEAD SCREW	SET SCREW
1222	1-5/32"	9/16"	1/2"-14 NPS	37/64"	1-1/16"	1/2"	10-32 x 1/4"	10-32 x 7/32"	14-28 x 3/8"
1223	1-13/32"	9/16"	3/4"-14 NPS	49/64"	1-1/16"	1/2"	10-32 x 1/4"	10-32 x 7/32"	14-28 x 3/8"
1224	1-3/4"	21/32"	1"-11-1/2 NPS	31/32"	1-1/16"	1/2"	10-32 x 1/4"	10-32 x 1/4"	14-28 x 3/8"
1225	2-1/8"	21/32"	1-1/4"-11-1/2 NPS	1-9/32"	1-1/16"	1/2"	10-32 x 1/4"	10-32 x 1/4"	14-28 x 3/8"
1226	2-11/32"	23/32"	1-1/2"-11-1/2 NPS	1-1/2"	1-1/16"	1/2"	10-32 x 1/4"	10-32 x 1/4"	14-28 x 3/8"
1228	2-23/32"	23/32"	2"-11-1/2 NPS	1-61/64"	1-1/16"	1/2"	10-32 x 1/4"	10-32 x 1/4"	14-28 x 3/8"
1230	3-9/32"	15/16"	2-1/2"-8 NPS	2-19/64"	1-15/32"	5/8"	5/16-24 x 3/8"	5/16-24 x 3/8"	7/16-20 x 3/8"
1232RAC	3-7/8"	15/16"	3"- 8 NPS	2-29/32"	1-15/32"	5/8"	5/16-24 x 3/8"	5/16-24 x 3/8"	7/16-20 x 3/8"
1234	4-13/32"	15/16"	3-1/2"- 8 NPS	3-3/8"	1-3/4"	27/32"	5/16-24 x 3/8"	5/16-24 x 27/64"	5/8-18 x 11/16"
1236	4-29/32"	15/16"	4"- 8 NPS	3-55/64"	1-3/4"	27/32"	5/16-24 x 7/16"	5/16-24 x 27/64"	5/8-18 x 11/16"



- A = O.D.  
 B = I.D.  
 C = Thread size  
 D = Thickness  
 E = Height of lug  
 F = Width of lug  
 G = Screw spec, bonding screw  
 H = Screw spec, screw that holds lug to bushing  
 I = Screw spec, screw that holds ground wire

## FLEXIBLE METAL CONDUIT FITTINGS

### MALLEABLE IRON - 90 DEGREE SQUEEZE CONNECTORS

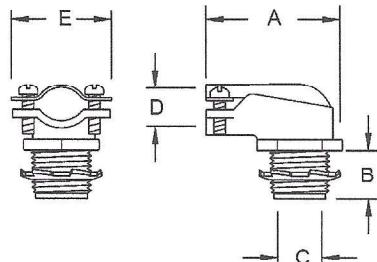
#### Application

- For use in dry locations to bond flexible metal conduit to a box or enclosure

#### Product Features

- Malleable construction insures mechanical protection for the raceway
- Electro zinc plated for added corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for an attractive presentation

#### Insulated and Uninsulated Compliances



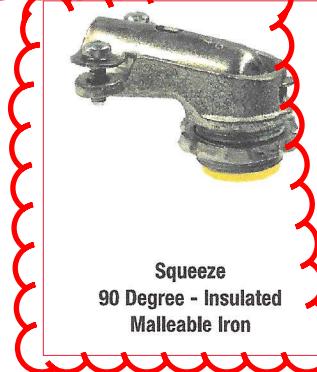
A = Overall length

B = Thread length and thread spec

C = Throat I.D.

D = Clamping range

E = Maximum width body



Squeeze  
90 Degree - Insulated  
Malleable Iron



Squeeze  
90 Degree - Uninsulated  
Malleable Iron

#### ORDERING INFORMATION - DIMENSIONS

##### SQUEEZE 90 DEGREE - INSULATED AND UNINSULATED - MALLEABLE IRON

INSULATED IRON CATALOG NUMBER	UNINSULATED IRON CATALOG NUMBER	TRADE SIZE	UNIT CTN. QTY.	SHIP CTN. QTY.	UPC BAR CODE
3201	2201	3/8" *	—	50	—
3202	—	1/2"	—	25	—
—	2202	1/2"	25	100	—
3202-8	2202-8	1/2"	1	25	IIIIII
3203	2203	3/4"	—	25	—
3203-8	2203-8	3/4"	1	20	IIIIII
3204	2204	1"	—	25	—
3204-8	2204-8	1"	1	5	IIIIII
3205	2205	1-1/4"	—	10	—
3206	2206	1-1/2"	—	5	—
3208	2208	2"	—	5	—
3210	2210	2-1/2"	—	1	—
3212	2212	3"	—	1	—
3214	2214	3-1/2"	—	1	—
3216	2216	4"	—	1	—

\* For 1/2" knockout

#### DIMENSIONS

CAT. NO. INSULATED	CAT. NO. UNINSLTD.	A	B	THD. SPEC.	C	D	E
3201	2201	2-1/64"	23/64"	1/2"-14 NPS	.570	.390-.630	1-3/8"
3202	2202	2-15/64"	27/64"	1/2"-14 NPS	.570	.817-.950	1-51/64"
3202-8	2202-8						
3203	2203	2-1/2"	1/2"	3/4"-14 NPS	.822	.830-1.110	1-31/32"
3203-8	2203-8						
3204	2204	2-27/32"	33/64"	1"-11-1/2 NPS	.950	1.295 MAX	2-11/32"
3204-8	2204-8						
3205	2205	4-13/64"	43/64"	1-1/4"-11-1/2 NPS	1.210	1.535 MAX	2-55/64"
3206	2206	4-57/64"	19/32"	1-1/2"-11-1/2 NPS	1.450	1.890 MAX	3-3/32"
3208	2208	6-35/64"	51/64"	2"-11-1/2 NPS	1.883	2.415 MAX	3-51/64"
3210	2210	7-9/16"	1-7/64"	2-1/2"- 8 NPS	2.300	2.515 MAX	4-21/64"
3212	2212	8-31/32"	1-3/64"	3"- 8 NPS	2.940	3.025 MAX	5-1/16"
3214	2214	11-15/64"	1-17/64"	3-1/2"- 8 NPS	3.440	3.700 MAX	6-51/64"
3216	2216	12-11/32"	1-9/16"	4"- 8 NPS	3.935	4.050 MAX	7-17/64"

## EMT FITTINGS

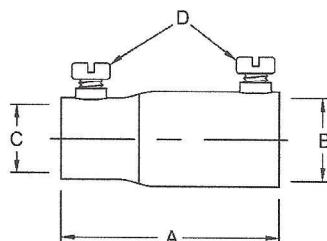
### STEEL COMBINATION COUPLINGS

#### Application

- Use RACO® Cat. Nos. 1432-1434 when coupling unthreaded rigid/IMC to EMT

#### Product Features

- Rugged metallic construction insures mechanical protection
- All steel components are zinc electro plated for corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for an attractive presentation



A = Overall length

B = I.D. rigid side

C = I.D. EMT side

D = Screw spec



EMT - Rigid Couplings Set Screw  
Steel

#### ORDERING INFORMATION - DIMENSIONS

##### EMT - RIGID COUPLINGS SET SCREW - STEEL

CATALOG NUMBER	TRADE SIZE	UNIT CTN. QTY.	SHIP CTN. QTY.	UPC BAR CODE
1432	1/2"	—	25	—
1432-8	1/2"	1	25	
1433	3/4"	—	25	—
1433-8	3/4"	1	15	
1434	1"	—	25	—
1434-8	1"	1	15	

##### DIMENSIONS

CATALOG NUMBER	A	B	C	D
1432	2-13/64"	55/64"	23/32"	1/4-28 x 3/8" Pan Head
1432-8	2-13/64"	55/64"	23/32"	1/4-28 x 3/8" Pan Head
1433	2-21/32"	1-1/16"	59/64"	1/4-28 x 3/8" Pan Head
1433-8	2-21/32"	1-1/16"	59/64"	1/4-28 x 3/8" Pan Head
1434	3-5/64"	1-21/64"	1-11/64"	1/4-28 x 3/8" Pan Head
1434-8	3-5/64"	1-21/64"	1-11/64"	1/4-28 x 3/8" Pan Head

# Combination Couplings

For Rigid Conduit, IMC and E.M.T.

**Application:**  
To join E.M.T. to Rigid or IMC

**Features:**  

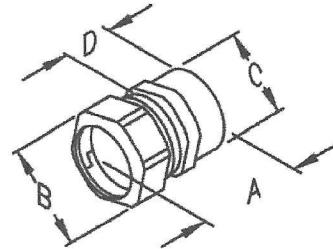
- Threaded rigid and IMC to compression E.M.T.
- Concrete tight
- NPT female hub

**Standard Materials:**  
Steel

**Standard Finish:**  
Zinc Plated

 **UL Listed:**  
E198258

## For EMT Steel Compression to Threaded Rigid Couplings



CATALOG NUMBER	TRADE SIZE	DIM A	DIM B	DIM C	DIM D	UNIT PACK	STANDARD PACK	WEIGHT (LBS.) PER 100 PCS.	NAED MFG #78-5994	UPC/DCI #
ERC-22	1/2"	1.313	1.125	0.875	0.688	25	250	14	47322	
ERC-23	3/4"	1.438	1.375	1.125	0.750	25	250	25	47323	
ERC-24	1"	1.500	1.688	1.375	0.813	25	250	34	47324	

**Application:**  
A combination coupling to provide a transition from EMT to unthreaded rigid conduit or IMC.

**Features:**  

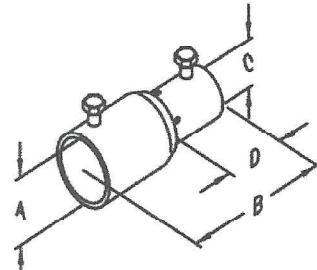
- Pre-set and staked Robertson head screws
- Concrete tight when taped

**Standard Materials:**  
Steel

**Standard Finish:**  
Zinc Plated

 **UL Listed:**  
E198258

## For EMT Steel Set-Screw to Rigid Set-Screw Couplings



CATALOG NUMBER	TRADE SIZE	DIM A	DIM B	DIM C	DIM D	UNIT PACK	STANDARD PACK	WEIGHT (LBS.) PER 100 PCS.	NAED MFG #78-5994	UPC/DCI #
S16ES	1/2"	1.000	2.375	0.875	0.938	50	500	14	23016	
S17ES	3/4"	1.250	2.813	1.125	1.125	25	250	28	23017	
S18ES	1"	1.500	3.000	1.188	1.188	-	25	36	23018	

# Steel EMT Set-Screw Couplings

For EMT Conduit

**Application:**  
To ground and secure E.M.T. raceway sections together.

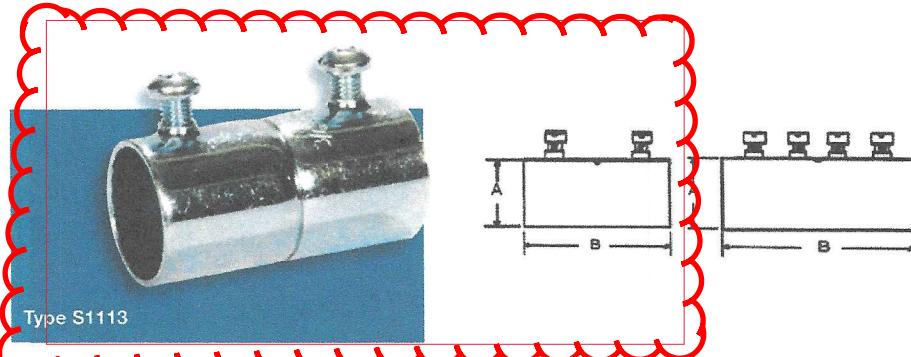
**Features:**

- Heavy steel walls
- Concrete tight
- Pre-set/Pre-staked set screws
- Three-way combination screws

**Standard Materials:**  
Steel

**Standard Finish:**  
Zinc Plated

 **UL Listed:**  
E308075



CATALOG NUMBER	TRADE SIZE	DIM A	DIM B	UNIT PACK	STANDARD PACK	WEIGHT (LBS. PER 100 PCS.)	NAED MFG #78-5994 UPC/DCI #
S1113	1/2"	0.87	1.63	50	500	8	62107
S1114	3/4"	1.10	1.86	25	250	13	62117
S1115	1"	1.36	2.31	50	200	20	62127
*S1115A	1-1/4"	1.73	2.76	25	100	40	62137
*S1115B	1-1/2"	1.97	3.00	10	40	58	62147
*S1115C	2"	2.45	3.27	5	20	65	62157
*S1115D	2-1/2"	3.10	4.00	-	12	130	62167
*S1115E	3"	3.72	4.25	-	12	140	62177
*S1115E1	3-1/2"	4.24	4.50	-	6	217	62187
*S1115F	4"	4.74	4.75	-	6	250	62197

\* Furnished with four set-screws

# Steel EMT Set-Screw Connectors

## For EMT Conduit

**Application:**

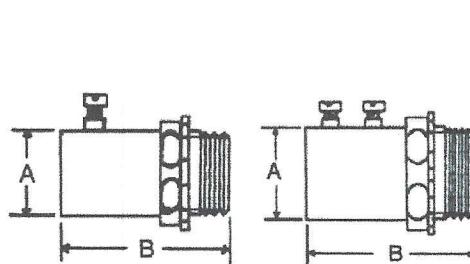
To ground and secure E.M.T. raceways to boxes and enclosures.

**Features:**

- Heavy steel walls
- Concrete tight
- Pre-set/Pre-staked set screws
- Male hub threads NPS
- Three-way combination screws

**Standard Materials:**  
Steel

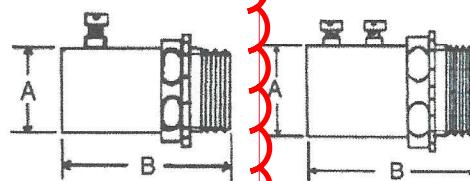
**Standard Finish:**  
Zinc Plated

 UL Listed:  
E308075


CATALOG NUMBER	TRADE SIZE	KO SIZE	DIM A	DIM B	UNIT PACK	STANDARD PACK	WEIGHT (LBS.) PER 100	NAED MFG #78-5994 UPC/DCI #
S1110	1/2"	1/2"	0.87	1.53	50	500	9	62007
S1111	3/4"	3/4"	1.10	1.58	25	250	13	62017
S1112	1"	1"	1.36	1.83	50	200	20	62027
*S1112A	1-1/4"	1-1/4"	1.73	2.34	25	100	36	62037
*S1112B	1-1/2"	1-1/2"	1.97	2.27	10	40	45	62047
*S1112C	2"	2"	2.45	2.40	5	20	64	62057
*S1112D	2-1/2"	2-1/2"	3.10	3.18	-	12	130	62067
*S1112E	3"	3"	3.72	3.81	-	12	140	62077
*S1112E1	3-1/2"	3-1/2"	4.24	4.31	-	6	180	62087
*S1112F	4"	4"	4.74	4.87	-	6	225	62097

\* Furnished with two set-screws

### Insulated Throat



CATALOG NUMBER	TRADE SIZE	KO SIZE	DIM A	DIM B	UNIT PACK	STANDARD PACK	WEIGHT (LBS.) PER 100	NAED MFG #78-5994 UPC/DCI #
S4066	1/2"	1/2"	0.87	1.53	50	500	9	62003
S4067	3/4"	3/4"	1.10	1.58	25	250	13	62013
S4068	1"	1"	1.36	1.83	50	200	20	62023
*S4069	1-1/4"	1-1/4"	1.73	2.34	25	100	36	62033
*S4070	1-1/2"	1-1/2"	1.97	2.27	10	40	45	62043
*S4071	2"	2"	2.45	2.40	5	20	64	62053
*S4072	2-1/2"	2-1/2"	3.10	3.18	-	12	130	62063
*S4073	3"	3"	3.72	3.81	-	12	140	62073
*S4074	3-1/2"	3-1/2"	4.24	4.31	-	6	180	62083
*S4075	4"	4"	4.74	4.87	-	6	225	62093

\* Furnished with two set-screws

# Conduit Body Covers

## Steel and Aluminum Covers

**Application:**

- Used with conduit bodies to cover opening.

**Features:**

- Assembled with captive zinc plated steel screws.

**Standard Materials:**

Steel

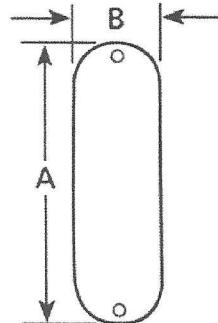
**Standard Finish:**

Zinc plated

 UL Listed: E198259



Type 02



CATALOG NUMBER	TRADE SIZE	DIM A	DIM B	UNIT PACK	STANDARD PACK	WEIGHT (LBS.) PER 100 PCS.	NAED MFG #78-5994 UPC/DCI #
<b>Steel Covers</b>							
01	1/2"	3.875	1.310	25	250	9	49017
02	3/4"	4.625	1.520	25	250	13	49027
03	1"	5.315	1.710	20	200	19	49037
04	1-1/4" - 1-1/2"	7.240	2.510	25	100	31	49047
05	2"	9.484	3.110	-	50	50	49057
06	2-1/2" - 3"	14.937	5.500	-	10	94	49067
07	3-1/2" - 4"	15.000	6.000	-	10	138	49077

**Application:**

- Used with conduit bodies to cover opening.

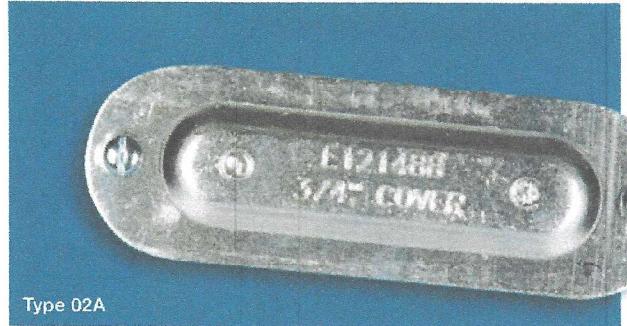
**Features:**

- Assembled with captive zinc plated steel screws.
- Stamped from high-strength aluminum, corrosion and weather resistant copper-free aluminum alloy.

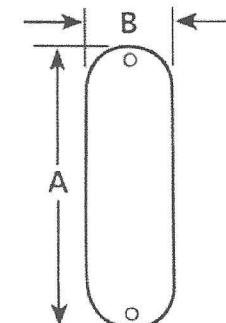
**Standard Materials:**

Stamped Aluminum

 UL Listed: E198259



Type 02A



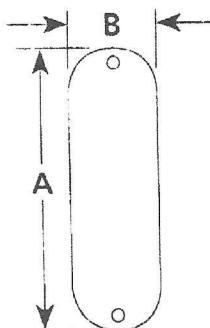
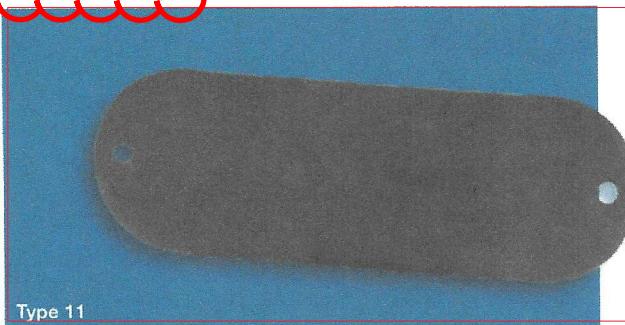
CATALOG NUMBER	TRADE SIZE	DIM A	DIM B	UNIT PACK	STANDARD PACK	WEIGHT (LBS.) PER 100 PCS.	NAED MFG #78-5994 UPC/DCI #
<b>Aluminum Covers</b>							
01A	1/2"	3.90	1.37	25	250	6	49105
02A	3/4"	4.70	1.60	25	250	10	49205
03A	1"	5.40	1.78	20	200	14	49305
04A	1-1/4" - 1-1/2"	7.25	2.52	25	100	18	49405
05A	2"	9.50	3.11	-	50	20	49505
06A	2-1/2" - 3"	12.13	4.45	-	10	33	49605
07A	3-1/2" - 4"	14.94	5.50	-	10	62	49705

# Conduit Body Covers

## Neoprene Gaskets

**Application:**

- Gasket used with conduit bodies for a raintight seal.

**Standard Materials:**  
Neoprene Rubber

CATALOG NUMBER	TRADE SIZE	DIM A	DIM B	UNIT PACK	STANDARD PACK	WEIGHT (LBS.) PER 100 PCS.	NAED MFG #78-5994 UPC/DCI #
<b>Neoprene Gaskets</b>							
10	1/2"	3.90	1.37	200	2000	3	49910
11	3/4"	4.60	1.56	100	1000	3	49911
12	1"	5.34	1.73	100	1000	3	49912
13	1-1/4" - 1-1/2"	7.25	2.51	50	500	6	49913
14	2"	9.50	3.05	25	100	11	49914
15	2-1/2" - 3"	12.13	4.39	-	10	13	49915
16	3-1/2" - 4"	14.88	5.43	-	10	28	49916