

CATALOGUE

# ***Columbia-MBF***<sup>®</sup>

**CONDUIT, ELBOWS, COUPLINGS, & NIPPLES**

Steel EMT • GRC • Aluminum

A PART OF



## Columbia-MBF...

a part of Atkore International, is a leading provider of electrical conduit solutions for your infrastructure requirements.

Today, Columbia-MBF® is stronger than ever and now is a part of Atkore International. Atkore International has a global manufacturing footprint with service to customers all over the globe. From construction to manufacturing, our products are hard at work in the center of it all. Whether they're part of a building as electrical raceways, sprinkler pipes, structural tubes and perimeter security or being used by an OEM to make their product, just check the schematics. We are there! Beyond that, we strive to be core to each customer's business as well, understanding what they value and need, and providing essential solutions that improve their day-to-day operations.

We are positioned for continued growth, expansion and innovation, which means our best days – and products – are yet to come.

## Product Innovation & Excellence

Columbia-MBF has the most specified line of EMT. Columbia-MBF EMT, EMT Elbows, includes specialty Kwik-Fit™, Kwik-Fit™ Compression, and True Color EMT with E-Z Pull™ interior finish for easier wire pulling and an exterior galvanizing process proven to last. Columbia-MBF's Kwik-Fit EMT has an integral steel setscrew coupling and the Kwik-Fit Compression EMT features built-in steel compression coupling. These innovative built-in couplings significantly reduce installation time up to 50%, and eliminate the need to purchase, store, and install separate couplings. Columbia-MBF's True Color EMT provides instant identification of individual power, data com, and emergency electrical systems. The 8 bright colors eliminate the need to spray, powder coat or tape in the field so installation is quicker, easier and safer.

Columbia-MBF's Hot-Dip galvanized rigid conduit manufactured from high strength ductile steel provides excellent corrosion resistance. Installed



with Columbia-MBF's elbows, couplings and nipples provides a smooth, continuous raceway. Columbia-MBF's Kwik-Couple Hot-Dip galvanized rigid conduit and elbows have factory-installed couplings. These couplings eliminate the need to buy expensive unions or 3-piece couplings. Simply line up the conduit ends, spin the Kwik-Couple coupling forward onto the next piece, then wrench-tighten, eliminating the need to rotate the heavy conduit or elbows.

Columbia-MBF offers a broad line of rigid Aluminum conduit, elbows, couplings, and nipples. Columbia-MBF's Aluminum combines light weight and corrosion resistance to provide a full-line of easy to install, low maintenance conduit whenever specifications call for aluminum.

Our agents, sales and customer service teams are available to assist with questions on application, installation and availability of our products. Thank you for considering Columbia-MBF for your conduit and fitting requirements.

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For your 24/7 online resource, visit our website at [www.columbia-mbf.ca](http://www.columbia-mbf.ca)

- Downloadable Literature
- How To Videos
- Atkore News Briefs

Visit [www.kwikcalculator.com](http://www.kwikcalculator.com) to estimate your Material and Labor Savings by using Kwik-Fit™ products.



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

[www.columbia-mbf.ca](http://www.columbia-mbf.ca)

**Columbia-MBF®**

A PART OF **atkore**  
INTERNATIONAL

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

## E-Z Pull™ EMT

- Hot galvanized steel using patented inline Flo-Coat™ process for long lasting exterior protection
- E-Z Pull interior coating provides a smooth raceway for fast, easier wire-pulling
- Excellent mechanical protection for conductors
- Ductility for faster and easier bending
- Superb EMI shielding characteristics
- Certified to Canadian Standards Association Safety Standard CSA C22.2 No.83.1
- Manufactured in accordance with ANSI C80.3
- Available in sizes 1/2 (16) - 4 (103)

## True Color™ EMT

- All the benefits of E-Z Pull EMT
- Instant identification of multiple circuits
- Fire Alarm™ Red EMT
- Healthcare Green EMT
- Data Com Blue EMT
- Available in 8 colors
- Available in sizes 1/2 (16) - 4 (103)



## Quality Electrical Metallic Tubing



## Identify Important Circuits Instantly!



## True Color™ Applications



### Black EMT

- Blends in dark colored areas
- Open architecture



### Fire Alarm™ EMT

- Emergency circuits
- Fire alarm and Security systems



### Orange EMT

- Construction/ research areas
- Fiber optic systems
- Auto repair/ maintenance



### Yellow EMT

- High voltage wiring
- Caution areas
- Special equipment



### Green EMT

- Hospital and healthcare areas
- Nurse call stations
- Critical circuits



### Blue EMT

- Low voltage wiring
- Data com/video
- Network security



### Purple EMT

- Specialty wiring systems
- Security systems



### White EMT

- Blends in light colored areas
- Open architecture



### Silver EMT

- Standard Use
- Contemporary architecture

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

## FEATURES & SPECIFICATIONS

### Manufactured for Long Life

Columbia-MBF® EMT is precision manufactured from high grade mild strip steel for exceptional durability and long-lasting life. Columbia-MBF 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

Columbia-MBF'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

Columbia-MBF 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.columbia-mbf.ca](http://www.columbia-mbf.ca) to obtain the **GEMI** (Grounding and Electro-Magnetic Interference) software analysis program.

### Codes & Standards Compliance

Columbia-MBF EMT is Certified to Canadian Standards Association C22.2 No.83.1. As a metal raceway, EMT functions as an equipment bonding conductor when installed in compliance with the Canadian Electrical Code (CEC), including Section 10 *Grounding and Bonding* and Section 12-1400 *Electrical Metallic Tubing*. Documentation is available in the GEMI (Grounding and Electro-Magnetic Interference) analysis software and related research studies found at the [www.columbia-mbf.ca](http://www.columbia-mbf.ca) website.

Installation of EMT shall be in accordance with the Canadian Electrical Code and the CSA Certification information.

### Specification Data

To specify Columbia-MBF EMT, include the following: Electrical Metallic Tubing shall be equal to that manufactured by Columbia-MBF Inc. EMT shall be hot galvanized steel O.D. with an organic corrosion resistant I.D. coating, and shall be CSA Certified to Standard C22.2 No. 83.1 and manufactured in accordance with ANSI C80.3.

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

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.83.1  
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)		Standard Bundle Quantity		True Color** Bundle Qty.	
		in	mm	in	mm	lb	kg	ft	m	ft	m
1/2	16	0.706	17.93	0.042	1.07	30	13.6	2500	762.0	3500	1066.8
3/4	21	0.922	23.42	0.049	1.24	46	20.9	2000	609.6	2500	762.0
1	27	1.163	29.54	0.057	1.45	67	30.4	1000	304.8	1500*	457.2
1-1/4	35	1.510	38.35	0.065	1.65	101	45.8	500	152.4	2000	609.6
1-1/2	41	1.740	44.20	0.065	1.65	116	52.6	500	152.4	1500	457.2
2	53	2.197	55.80	0.065	1.65	148	67.1	510	155.4	1200	365.7
2-1/2	63	2.875	73.03	0.072	1.83	216	98.0	250	76.2	610	185.9
3	78	3.500	88.90	0.072	1.83	263	119.3	200	61.0	510	155.4
3-1/2	91	4.000	101.60	0.083	2.11	349	158.3	100	30.5	370	112.7
4	103	4.500	114.30	0.083	2.11	393	178.3	100	30.5	300	91.5

<sup>1</sup>Outside diameter tolerances: +/- .005 in. (.13mm) for size 1/2 (16mm) through 2 (53mm);

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

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

+/- .020 in. (.50mm) for size 3-1/2 (91) and 4 (103).

NOTE: Length = 10 ft. (3.05m) with a tolerance of +/- .25 in. (6mm)

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

\*True Color Blue size 1 (27) bundle quantity: 3000 ft / (914.4m)

\*\* True Color Size 2 (53)- 4 (103) are available through special order

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

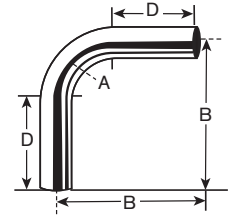
# Electrical Metallic Tubing (EMT) Elbows

## EMT 90° Elbows

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.83.1  
 Manufactured in accordance with ANSI C80.3



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
		in	mm	in	mm	in	mm	lb	kg	
1/2	16	4	102	5 7/8	149	1 1/2	38	25	11.3	25
3/4	21	4 1/2	114	7	178	1 1/2	38	46	20.9	50
1	27	5 3/4	146	8 3/4	222	1 7/8	48	84	38.1	25
1 1/4	35	7 1/4	184	10 1/8	257	2	51	144	65.3	20
1 1/2	41	8 1/4	210	11 3/4	298	2	51	193	87.5	15
2	53	9 1/2	241	14	356	2	51	296	134.3	10
2 1/2	63	10 1/2	267	16 1/4	413	3	76	504	228.6	80
3	78	13	330	18 3/4	476	3 1/8	79	701	318.0	50
3 1/2	91	15	381	21 1/4	540	3 1/4	83	1047	474.9	50
4	103	16	406	23 3/8	594	3 3/8	86	1310	594.2	36



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

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

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

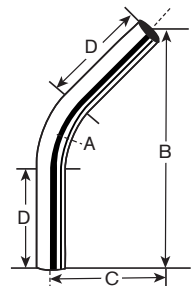
Also available in the following Degrees (60°, 45°, 30°, 22-1/2°, 15° & 11-1/4°)

## EMT 45° Elbows

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.83.1  
 Manufactured in accordance with ANSI C80.3



Trade Size	Metric Designator	Radius (A) <sup>1</sup>		Offset (B) <sup>2</sup>		Offset (C) <sup>2</sup>		Straight (D) <sup>1</sup>		Approximate Weight Per 100 Pieces		Standard Package
		in	mm	in	mm	in	mm	in	mm	lb	kg	
1/2	16	4	102	6 1/8	156	2 1/2	64	1 1/2	38	18	8.2	25
3/4	21	4 1/2	114	7 3/8	187	3 1/8	79	1 1/2	38	33	15.0	50
1	27	5 3/4	146	8 3/4	222	3 5/8	92	1 7/8	48	56	25.4	25
1 1/4	35	7 1/4	184	10 1/8	257	4 1/8	105	2	51	97	44.0	20
1 1/2	41	8 1/4	210	13 1/8	333	5 3/8	137	2	51	145	65.8	15
2	53	9 1/2	241	13 1/8	333	5 1/2	140	2	51	185	83.9	10
2 1/2	63	10 1/2	267	17 1/2	445	7 1/4	184	3	76	360	163.3	80
3	78	13	330	17 1/2	445	7 1/4	184	3 1/8	79	438	198.7	50
3 1/2	91	15	381	26 1/8	664	10 7/8	276	3 1/4	83	873	396.0	50
4	103	16	406	26 1/4	667	10 7/8	276	3 3/8	86	983	445.9	36



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

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

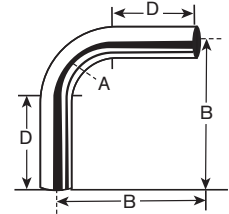
Sizes 2-1/2 (63) and larger shipped in palletized cartons or bulk.

Also available in the following Degrees (90°, 60°, 30°, 22-1/2°, 15° & 11-1/4°)

# Electrical Metallic Tubing (EMT) Elbows

## EMT Large Radius 90° Elbows

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.83.1  
 Manufactured in accordance with ANSI C80.3



Trade Size	Metric Designator	Radius (A)		Offset (B) <sup>2</sup>		Straight (D) <sup>2</sup>		Approximate Weight Per 100 Pieces	
		in	mm	in	mm	in	mm	lb	kg
1	27	12	305	20 5/8	524	8 5/8	219	201	91.2
1	27	15	381	24 1/4	616	9 1/4	235	235	106.6
1	27	18	457	27 7/8	708	9 7/8	251	268	121.6
1	27	24	610	34 5/8	879	10 5/8	270	329	149.2
1	27	30	762	41	1041	11	279	385	174.6
1	27	36	914	46 3/4	1187	10 3/4	273	436	197.8
1	27	42	1067	54	1372	12	305	503	228.2
1	27	48	1219	60 1/4	1530	12 1/4	311	558	253.1
1 1/4	35	12	305	20 5/8	524	8 5/8	219	303	137.4
1 1/4	35	15	381	24 1/4	616	9 1/4	235	354	160.6
1 1/4	35	18	457	27 7/8	708	9 7/8	251	404	183.3
1 1/4	35	24	610	34 5/8	879	10 5/8	270	497	225.4
1 1/4	35	30	762	41	1041	11	279	581	263.5
1 1/4	35	36	914	46 3/4	1187	10 3/4	273	657	298.0
1 1/4	35	42	1067	54	1372	12	305	758	343.8
1 1/4	35	48	1219	60 1/4	1530	12 1/4	311	842	381.9
1 1/2	41	12	305	20 5/8	524	8 5/8	219	348	157.9
1 1/2	41	15	381	24 1/4	616	9 1/4	235	406	184.2
1 1/2	41	18	457	27 7/8	708	9 7/8	251	464	210.5
1 1/2	41	24	610	34 5/8	879	10 5/8	270	570	258.6
1 1/2	41	30	762	41	1041	11	279	667	302.6
1 1/2	41	36	914	46 3/4	1187	10 3/4	273	754	342.0
1 1/2	41	42	1067	54	1372	12	305	870	394.6
1 1/2	41	48	1219	60 1/4	1530	12 1/4	311	967	438.6
2	53	12	305	20 5/8	524	8 5/8	219	444	201.4
2	53	15	381	24 1/4	616	9 1/4	235	518	235.0
2	53	18	457	27 7/8	708	9 7/8	251	592	268.5
2	53	24	610	34 5/8	879	10 5/8	270	728	330.2
2	53	30	762	41	1041	11	279	851	386.0
2	53	36	914	46 3/4	1187	10 3/4	273	962	436.4
2	53	42	1067	54	1372	12	305	1110	503.5
2	53	48	1219	60 1/4	1530	12 1/4	311	1233	559.3
2 1/2	63	12	305	20 5/8	524	8 5/8	219	648	293.9
2 1/2	63	15	381	24 1/4	616	9 1/4	235	756	342.9
2 1/2	63	18	457	27 7/8	708	9 7/8	251	864	391.9
2 1/2	63	24	610	34 5/8	879	10 5/8	270	1062	481.7
2 1/2	63	30	762	41	1041	11	279	1242	563.4
2 1/2	63	36	914	46 3/4	1187	10 3/4	273	1404	636.9
2 1/2	63	42	1067	54	1372	12	305	1620	734.8
2 1/2	63	48	1219	60 1/4	1530	12 1/4	311	1800	816.5

<sup>2</sup>For information only, not a requirement as per CSA 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°)

Chart continued on the next page

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

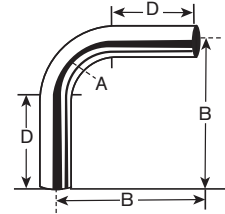
# Electrical Metallic Tubing (EMT) Elbows

## EMT Large Radius 90° Elbows (continued)

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.83.1  
 Manufactured in accordance with ANSI C80.3



Trade Size	Metric Designator	Radius (A)		Offset (B) <sup>2</sup>		Straight (D) <sup>2</sup>		Approximate Weight Per 100 Pieces	
		in	mm	in	mm	in	mm	lb	kg
3	78	15	381	24 1/4	616	9 1/4	235	921	417.8
3	78	18	457	27 7/8	708	9 7/8	251	1052	477.2
3	78	24	610	34 5/8	879	10 5/8	270	1293	586.5
3	78	30	762	41	1041	11	279	1512	685.8
3	78	36	914	46 3/4	1187	10 3/4	273	1710	775.7
3	78	42	1067	54	1372	12	305	1973	895.0
3	78	48	1219	60 1/4	1530	12 1/4	311	2192	994.3
3 1/2	91	18	457	27 7/8	708	9 7/8	251	1396	633.2
3 1/2	91	24	610	34 5/8	879	10 5/8	270	1716	778.4
3 1/2	91	30	762	41	1041	11	279	2007	910.4
3 1/2	91	36	914	46 3/4	1187	10 3/4	273	2269	1029.2
3 1/2	91	42	1067	54	1372	12	305	2618	1187.5
3 1/2	91	48	1219	60 1/4	1530	12 1/4	311	2908	1319.1
4	103	18	457	27 7/8	708	9 7/8	251	1572	713.1
4	103	24	610	34 5/8	879	10 5/8	270	1932	876.4
4	103	30	762	41	1041	11	279	2260	1025.1
4	103	36	914	46 3/4	1187	10 3/4	273	2555	1158.9
4	103	42	1067	54	1372	12	305	2948	1337.2
4	103	48	1219	60 1/4	1530	12 1/4	311	3275	1485.5



<sup>2</sup>For information only, not a requirement as per CSA 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-Fit™ & Kwik-Fit™ Compression EMT

## Kwik-Fit EMT

- All the benefits of E-Z Pull™ EMT
- Integral steel set-screw coupling formed on one end of each length of EMT
- Fast two step installation
- Material and labor savings up to 50%\*
- No couplings to purchase, inventory or install
- Hot galvanized steel using patented inline Flo-Coat™ process for long lasting exterior protection
- E-Z Pull interior coating provides a smooth raceway for faster, easier wire pulling
- Excellent mechanical protection for conductors
- Ductility for faster and easier bending
- Superb EMI shielding characteristics
- Certified to Canadian Standards Association Safety Standard CSA C22.2 No.83.1 & C22.2 No.18.3
- Manufactured in accordance with ANSI C80.3
- Available in sizes 1 1/4 (35) - 4 (103)



## Faster EMT Installations



## Kwik-Fit Compression EMT

- All the benefits of E-Z Pull™ EMT
- Integral compression coupling formed on one end of each length of EMT
- Fast two step installation
- Material and labor savings of up to 50%\*
- No couplings to purchase, inventory or install
- Couplings seal tight eliminating hours of taping seams
- Hot galvanized steel using patented inline Flo-Coat process for long lasting exterior protection
- E-Z Pull interior coating provides a smooth raceway for faster, easier wire pulling
- Excellent mechanical protection for conductors
- Ductility for faster and easier bending
- Superb EMI shielding characteristics
- Certified to Canadian Standards Association Safety Standard CSA C22.2 No.83.1 & C22.2 No.18.3
- Manufactured in accordance with ANSI C80.3
- Available in sizes 1 1/4 (35) - 4 (103)

## Labor & Material Savings EMT



## Patent Pending



Visit [www.kwikcalculator.com](http://www.kwikcalculator.com) to estimate your Material and Labor Savings by using Kwik-Fit™ products

\* Installation time will vary with job site conditions.

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

# Kwik-Fit™ & Kwik-Fit™ Compression EMT

## FEATURES & SPECIFICATIONS

### Kwik-Fit and Kwik-Fit Compression EMT

Kwik-Fit and Kwik-Fit Compression EMT have all the benefits of E-Z Pull™ EMT with integrated couplings. These built-in couplings significantly reduce installation time, and eliminate the need to purchase, inventory, and install separate couplings.

On the **Kwik-Fit EMT** simply insert the plain end of the Kwik-Fit into the coupling end and tighten the set-screws. Unlike traditional set-screw couplings, only two screws need to be tightened.

On the **Kwik-Fit Compression EMT**, simply insert the plain end of the EMT into the compression coupling end and tighten the gland nut. Unlike traditional compression couplings, only one gland nut needs to be tightened.

Kwik-Fit and Kwik-Fit Compression EMT can reduce the installation time up to 50%. Installation time will vary with job site conditions.

### Coatings

Both Kwik-Fit EMT and Kwik-Fit Compression EMT are made from our E-Z Pull EMT. The all steel combinations result in superior strength, performance and an excellent ground return path along with the benefits of built-in couplings. Columbia-

### Kwik-Fit EMT

Trade Size	Metric Designator	Outside Diameter <sup>1</sup>		Nominal Wall Thickness <sup>2</sup>		Approximate Weight Per 100 Ft. (30.5M)		Bundle Quantity	
		in	mm	in	mm	lb	kg	ft	m
1 1/4	35	1.510	38.35	0.065	1.65	101	45.8	840	256.0
1 1/2	41	1.740	44.20	0.065	1.65	116	52.6	720	219.5
2	53	2.197	55.80	0.065	1.65	148	67.1	500	152.4
2 1/2	63	2.875	73.03	0.072	1.83	216	98.0	350	106.7
3	78	3.500	88.90	0.072	1.83	263	119.3	300	91.4
3 1/2	91	4.000	101.60	0.083	2.11	349	158.3	250	76.2
4	103	4.500	114.30	0.083	2.11	393	178.3	250	76.2



### Kwik-Fit Compression EMT

Trade Size	Metric Designator	Outside Diameter <sup>1</sup>		Nominal Wall Thickness <sup>2</sup>		Approximate Weight Per 100 Ft. (30.5M)		Bundle Quantity	
		in	mm	in	mm	lb	kg	ft	m
1 1/4	35	1.510	38.35	0.065	1.65	107	48.5	840	256.0
1 1/2	41	1.740	44.20	0.065	1.65	125	56.7	720	219.5
2	53	2.197	55.80	0.065	1.65	162	73.5	500	152.4
2 1/2	63	2.875	73.03	0.072	1.83	239	108.4	350	106.7
3	78	3.500	88.90	0.072	1.83	291	132.0	300	91.4
3 1/2	91	4.000	101.60	0.083	2.11	383	173.7	250	76.2
4	103	4.500	114.30	0.083	2.11	431	195.5	250	76.2



<sup>1</sup>Outside diameter tolerances +/- .005 in. (.13mm) for size 1-1/4 (35) through 2 (53)  
 +/- .010 in. (.25mm) for size 2-1/2 (63);  
 +/- .015 in. (.38mm) for size 3 (78);  
 +/- .020 in. (.50mm) for sizes 3-1/2 (91) and 4 (103).

NOTE: Length = 10 ft. (3.05m) with a tolerance of +/- .25 in. (6mm)  
<sup>2</sup>For information only. Not a requirement of the CSA Standard.

# 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
- CSA Certified to Safety Standard C22.2 No.45.1
- Manufactured in accordance with ANSI C80.1
- Available in sizes 1/2 (16) - 6 (155)

## Kwik-Couple Galvanized Rigid Conduit (GRC)

- All the benefits of GRC Conduit
- Factory installed Kwik-Couple™ couplings are available on GRC conduit

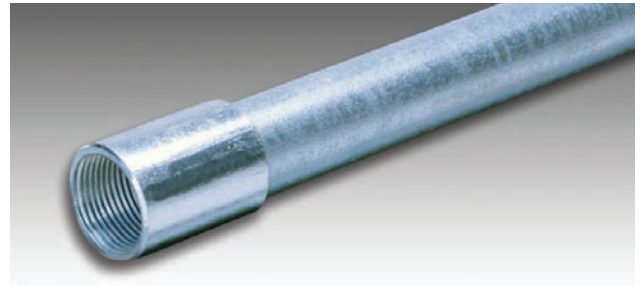
**Just line up the ends, spin the coupling forward onto the next piece and wrench tighten. It's that easy!**

- No separate couplings to purchase, inventory or install
- Kwik-Release End Cap to protect threads
- True Color Kwik-Couple GRC special orders available
- CSA Certified to Safety Standard C22.2 No.45.1 & C22.2 No.18.3
- Manufactured in accordance with ANSI C80.1
- Available in sizes 2 1/2 (63) - 5 (129)

## Kwik-Couple Rigid Elbows

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

## Quality, Long Lasting Heavy Duty Steel Conduit



## For Faster Installations Use the Kwik-Couple GRC Connection



\* U.S. Patent Numbers 7,404,582 and 7,726,001.

## Galvanized Rigid Conduit (GRC)

CSA Certified to Safety Standard C22.2 No.45.1

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)		Bundle Quantity	
		in	mm	in	mm	lb	kg	ft	m
1/2	16	0.840	21.34	0.104	2.64	82	37.2	1000	304.8
3/4	21	1.050	26.67	0.107	2.72	109	49.4	1000	304.8
1	27	1.315	33.40	0.126	3.20	161	73.0	500	152.4
1 1/4	35	1.660	42.16	0.133	3.38	218	98.9	250	76.2
1 1/2	41	1.900	48.26	0.138	3.51	263	119.3	250	76.2
2	53	2.375	60.33	0.146	3.71	350	158.8	200	61.0
2 1/2	63	2.875	73.03	0.193	4.90	559	253.6	100	30.5
3	78	3.500	88.90	0.205	5.21	727	329.8	100	30.5
3 1/2	91	4.000	101.60	0.215	5.46	880	399.2	100	30.5
4	103	4.500	114.30	0.225	5.72	1030	467.2	100	30.5
5	129	5.563	141.30	0.245	6.22	1520	689.5	100	30.5
6	155	6.625	168.28	0.266	6.76	1785	809.7	100	30.5

<sup>1</sup> Outside diameter tolerances: Size 1/2 (16) to 1 1/2 (41) +/- 0.015" (0.38mm);

2 (53) to 6 (155) +/- 1%

Each length of conduit with coupling attached will be nominally 10' (3.05m)

<sup>2</sup> For information only. Not a requirement of the CSA Standard.

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

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

## FEATURES & SPECIFICATIONS

### Full Electrical System Protection

Manufactured from mild steel, Columbia-MBF's Rigid Conduit is highly resistant to damage from impact yet ductile to facilitate bending.

The 3/4" taper NPT threads (ANSI B1.20.1) are full cut and hot galvanized after cutting. Color-coded end cap thread protectors keep the threads clean, sharp and also provide instant trade size recognition. Even sizes are color-coded blue, 1/2 sizes black, and 1/4 sizes red.

### Coatings

Hot-dip galvanized inside and out to provide galvanic corrosion protection, it is also topcoated with a compatible organic layer to protect against white rust. The inside surface is evenly coated for wire-pulling ease, even through multiple 90° bends.

### EMI Shielding

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

Visit [www.columbia-mbf.ca](http://www.columbia-mbf.ca) to obtain the **GEMI** (Grounding and Electro-Magnetic Interference) software analysis program.

### Codes & Standards Compliance

Columbia-MBF Rigid Conduit is precision manufactured for dependable, long-lasting value and ultimate protection for electrical conductors. Covered by Section 12 of the Canadian Electrical Code (CEC), rigid steel conduit is highly resistant to damage from impact. It can be installed in all occupancies

### Kwik-Couple (GRC)

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.1  
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)		Bundle Quantity	
		in	mm	in	mm	lb	kg	ft	m
2 1/2	63	2.875	73.03	0.193	4.90	559	253.6	400	121.9
3	78	3.500	88.90	0.205	5.21	727	329.8	300	91.4
3 1/2	91	4.000	101.60	0.215	5.46	880	399.2	250	76.2
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	1400	635.0	150	45.7

<sup>1</sup> Outside diameter tolerances: Size 2 1/2 (63) - 5 (129) +/- 1%

<sup>2</sup> For information only. Not a requirement of the CSA Standard.

Each length of conduit with coupling attached will be nominally 10' (3.05m)

and locations, including Class I Division 1 hazardous locations. Rigid steel conduit functions as an equipment bonding conductor when installed in accordance with the Canadian Electrical Code including Section 10 *Grounding and Bonding* and Section 12-1000 *Rigid and flexible metal conduit*. It is Certified to Canadian Standards Association Safety Standard C22.2 No.45.1. and is manufactured to ANSI C80.1.

Installation of Rigid Conduit shall be in accordance with the Canadian Electrical Code and CSA General Information.

### Specification Data

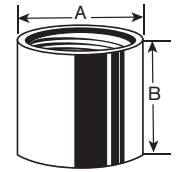
Rigid Conduit shall be hot-dip galvanized and manufactured by Columbia-MBF. Threads shall be hot galvanized after cutting. Rigid conduit shall be Certified to CSA Safety Standard C22.2 No.45.1 by a nationally recognized testing laboratory with follow up service. It shall be manufactured in accordance with ANSI C80.1.

Kwik-Couple Rigid Conduit shall be Certified to CSA Safety Standard C22.2 No.45 and C22.2 No.18.3. Kwik-Couple Rigid Conduit is manufactured in accordance with ANSI C80.1.

# Galvanized Rigid Conduit (GRC) Couplings & Elbows

## Galvanized Rigid Conduit (GRC) Couplings

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.1  
 Manufactured in accordance with ANSI C80.1



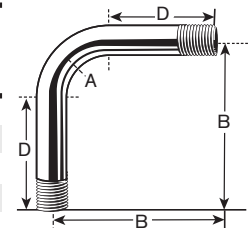
Trade Size	Metric Designator	Nominal O.D. (A) <sup>2</sup>		Length (B) <sup>1</sup>		Threads Per Inch <sup>1</sup>	Approximate Weight Per 100 Pieces		Standard Package
		in	mm	in	mm		lb	kg	
1/2	16	1.01	25.7	1 5/8	41.3	14	12	5.4	100
3/4	21	1.25	31.8	1 41/64	41.7	14	18	8.2	50
1	27	1.53	38.7	1 31/32	50.0	11 1/2	30	13.6	25
1 1/4	35	1.87	47.5	2 1/32	51.6	11 1/2	37	16.8	25
1 1/2	41	2.16	54.7	2 1/16	52.4	11 1/2	52	23.6	25
2	53	2.65	67.3	2 1/8	54.0	11 1/2	72	32.7	15
2 1/2	63	3.25	82.6	3 3/16	81.0	8	170	77.1	8
3	78	3.87	98.3	3 5/16	84.1	8	210	95.3	6
3 1/2	91	4.50	114.3	3 13/32	86.5	8	340	154.2	6
4	103	4.88	123.8	3 33/64	89.3	8	300	136.1	5
5	129	6.00	152.4	3 61/64	100.4	8	475	215.5	1
6	155	7.20	182.9	4 1/4	108.0	8	765	347.0	1

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

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

## Galvanized Rigid Conduit (GRC) 90 Degree Elbows

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.1  
 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
		in	mm	in	mm	in	mm	lb	kg	
1/2	16	4	102	5 7/8	149	1 1/2	38	68	30.8	25
3/4	21	4 1/2	114	7	178	1 1/2	38	109	49.4	40
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	10
1 1/2	41	8 1/4	210	12 1/4	311	2	51	460	208.7	10
2	53	9 1/2	241	14 1/2	368	2	51	729	330.7	5
2 1/2	63	10 1/2	267	17	432	3	76	1374	623.2	80
3	78	13	330	19 5/8	498	3 1/8	79	2045	927.6	50
3 1/2	91	15	381	22 3/4	578	3 1/4	83	2860	1297.3	50
4	103	16	406	23 7/8	606	3 3/8	86	3519	1596.2	36
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 CSA Standard

<sup>2</sup>For information only, not a requirement as per CSA 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°)

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

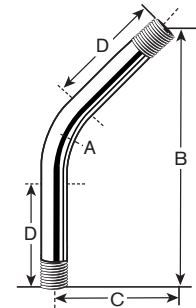
# Galvanized Rigid Conduit (GRC) Elbows

## Galvanized Rigid Conduit (GRC) 45 Degree Elbows

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.1  
 Manufactured in accordance with ANSI C80.1



Trade Size	Metric Designator	Radius (A) <sup>1</sup>		Offset (B) <sup>2</sup>		Offset (C) <sup>2</sup>		Straight (D) <sup>1</sup>		Approximate Weight Per 100 Pieces		Standard Package
		in	mm	in	mm	in	mm	in	mm	lb	kg	
1/2	16	4	102	7	178	2 7/8	73	1 1/2	38	55	24.9	25
3/4	21	4 1/2	114	7 7/8	200	3 1/4	83	1 1/2	38	82	37.2	40
1	27	5 3/4	146	9 5/8	244	4	102	1 7/8	48	148	67.1	25
1 1/4	35	7 1/4	184	11 1/8	283	4 5/8	117	2	51	232	105.2	10
1 1/2	41	8 1/4	210	13 1/8	333	5 3/8	137	2	51	329	149.2	10
2	53	9 1/2	241	15 3/4	400	6 1/2	165	2	51	525	238.1	5
2 1/2	63	10 1/2	267	17 1/2	445	7 1/4	184	3	76	932	422.8	80
3	78	13	330	21 7/8	556	9	229	3 1/8	79	1515	687.2	50
3 1/2	91	15	381	26 1/8	664	10 7/8	276	3 1/4	83	2200	997.9	50
4	103	16	406	26 1/4	667	10 7/8	276	3 3/8	86	2575	1168.0	36
5	129	24	610	35 7/8	911	14 7/8	378	3 5/8	92	4783	2169.6	1
6	155	30	762	43 3/8	1102	18	457	3 3/4	95	7590	3442.8	1



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

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

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

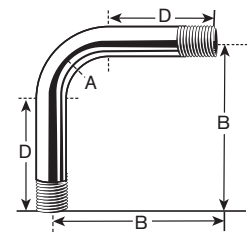
Also available in the following Degrees (60°, 45°, 30°, 22-1/2°, 15° & 11-1/4°)

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

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.1  
 Manufactured in accordance with ANSI C80.1



Trade Size	Metric Designator	Radius (A)		Offset (B) <sup>2</sup>		Straight (D) <sup>2</sup>		Approximate Weight Per 100 Pieces	
		in	mm	in	mm	in	mm	lb	kg
1	27	12	305	20 5/8	524	8 5/8	219	483	219.1
1	27	15	381	24 1/4	616	9 1/4	235	564	255.8
1	27	18	457	27 7/8	708	9 7/8	251	644	292.1
1	27	24	610	34 5/8	879	10 5/8	270	792	359.3
1	27	30	762	41	1041	11	279	926	420.0
1	27	36	914	46 3/4	1187	10 3/4	273	1047	474.9
1	27	42	1067	54	1372	12	305	1208	547.9
1	27	48	1219	61 1/4	1556	13 1/4	337	1369	621.0
1 1/4	35	12	305	20 5/8	524	8 5/8	219	654	296.7
1 1/4	35	15	381	24 1/4	616	9 1/4	235	763	346.1
1 1/4	35	18	457	27 7/8	708	9 7/8	251	872	395.5
1 1/4	35	24	610	34 5/8	879	10 5/8	270	1072	486.3
1 1/4	35	30	762	41	1041	11	279	1254	568.8
1 1/4	35	36	914	46 3/4	1187	10 3/4	273	1417	642.8
1 1/4	35	42	1067	54	1372	12	305	1635	741.6
1 1/4	35	48	1219	61 1/4	1556	13 1/4	337	1853	840.5



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

Shipped in palletized cartons or bulk.

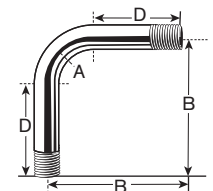
Also available in the following Degrees (90°, 60°, 30°, 22-1/2°, 15° & 11-1/4°)

Chart continued on the next page

# Galvanized Rigid Conduit (GRC) Elbows

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

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.1  
 Manufactured in accordance with ANSI C80.1



Trade Size	Metric Designator	Radius (A)		Offset (B) <sup>2</sup>		Straight (D) <sup>2</sup>		Approximate Weight Per 100 Pieces	
		in	mm	in	mm	in	mm	lb	kg
1 1/2	41	12	305	20 5/8	524	8 5/8	219	789	357.9
1 1/2	41	15	381	24 1/4	616	9 1/4	235	921	417.8
1 1/2	41	18	457	27 7/8	708	9 7/8	251	1052	477.2
1 1/2	41	24	610	34 5/8	879	10 5/8	270	1293	586.5
1 1/2	41	30	762	41	1041	11	279	1512	685.8
1 1/2	41	36	914	46 3/4	1187	10 3/4	273	1710	775.7
1 1/2	41	42	1067	54	1372	12	305	1973	895.0
1 1/2	41	48	1219	61 1/4	1556	13 1/4	337	2236	1014.2
2	53	12	305	20 5/8	524	8 5/8	219	1050	476.3
2	53	15	381	24 1/4	616	9 1/4	235	1225	555.7
2	53	18	457	27 7/8	708	9 7/8	251	1400	635.0
2	53	24	610	30 3/8	772	6 3/8	162	1473	668.2
2	53	30	762	41	1041	11	279	2013	913.1
2	53	36	914	46 3/4	1187	10 3/4	273	2275	1031.9
2	53	42	1067	54	1372	12	305	2625	1190.7
2	53	48	1219	61 1/4	1556	13 1/4	337	2975	1349.5
2 1/2	63	12	305	20 5/8	524	8 5/8	219	1677	760.7
2 1/2	63	15	381	24 1/4	616	9 1/4	235	1957	887.7
2 1/2	63	18	457	24 3/8	619	6 3/8	162	1910	866.4
2 1/2	63	24	610	31 1/8	791	7 1/8	181	2422	1098.6
2 1/2	63	30	762	37 1/2	953	7 1/2	191	2888	1310.0
2 1/2	63	36	914	44 3/4	1137	8 3/4	222	3447	1563.6
2 1/2	63	42	1067	54	1372	12	305	4193	1901.9
2 1/2	63	48	1219	61 1/4	1556	13 1/4	337	4752	2155.5
3	78	15	381	24 1/4	616	9 1/4	235	2545	1154.4
3	78	18	457	24 3/8	619	6 3/8	162	2484	1126.7
3	78	24	610	33 1/8	841	9 1/8	232	3393	1539.1
3	78	30	762	38 5/8	981	8 5/8	219	3892	1765.4
3	78	36	914	46 7/8	1191	10 7/8	276	4741	2150.5
3	78	42	1067	54	1372	12	305	5453	2473.5
3	78	48	1219	60 1/4	1530	12 1/4	311	6058	2747.9
3	78	60	1524	75 7/8	1927	15 7/8	403	7634	3462.8
3 1/2	91	18	457	26 3/8	670	8 3/8	213	3300	1496.9
3 1/2	91	24	610	35 1/8	892	11 1/8	283	4400	1995.8
3 1/2	91	30	762	38 1/2	978	8 1/2	216	4693	2128.7
3 1/2	91	36	914	47	1194	11	279	5757	2611.4
3 1/2	91	42	1067	54	1372	12	305	6600	2993.8
3 1/2	91	48	1219	60 1/4	1530	12 1/4	311	7333	3326.2
4	103	18	457	27 3/8	695	9 3/8	238	4034	1829.8
4	103	24	610	35 1/8	892	11 1/8	283	5150	2336.0
4	103	30	762	39 3/8	1000	9 3/8	238	5644	2560.1
4	103	36	914	47	1194	11	279	6738	3056.4
4	103	42	1067	54	1372	12	305	7725	3504.1
4	103	48	1219	60 1/4	1530	12 1/4	311	8583	3893.2
4	103	60	1524	75 7/8	1927	15 7/8	403	10815	4905.7

<sup>2</sup>For information only, not a requirement as per CSA Standard  
 Shipped in palletized cartons or bulk.  
 Also available in the following Degrees (60°, 45°, 30°, 22-1/2°, 15° & 11-1/4°)

Chart continued on the next page

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

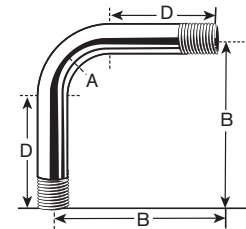
# Galvanized Rigid Conduit (GRC) Elbows & Nipples

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

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.1  
 Manufactured in accordance with ANSI C80.1



Trade Size	Metric Designator	Radius (A)		Offset (B) <sup>2</sup>		Straight (D) <sup>2</sup>		Approximate Weight Per 100 Pieces	
		in	mm	in	mm	in	mm	lb	kg
5	129	30	762	41	1041	11	279	8050	3651.5
5	129	36	914	50 3/4	1289	14 3/4	375	10033	4551.0
5	129	42	1067	55	1397	13	330	10733	4868.5
5	129	48	1219	65 1/4	1657	17 1/4	438	12833	5821.0
5	129	60	1524	75 7/8	1927	15 7/8	403	14700	6667.9
6	155	36	914	50 3/4	1289	14 3/4	375	13187	5981.6
6	155	42	1067	55	1397	13	330	14107	6398.9
6	155	48	1219	65 1/4	1657	17 1/4	438	16867	7650.9
6	155	60	1524	75 7/8	1927	15 7/8	403	19320	8763.6



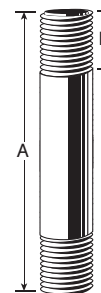
<sup>2</sup>For information only, not a requirement as per CSA Standard  
 Shipped in palletized cartons or bulk.  
 Also available in the following Degrees (60°, 45°, 30°, 22-1/2°, 15° & 11-1/4°)

## Galvanized Rigid Conduit (GRC) Nipples

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.1  
 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
		in	mm	in	mm		lb	kg	
1/2	16	(Close) 1 1/8	29	0.78	19.8	14	6	2.7	25
1/2	16	1 1/2	38	0.78	19.8	14	8	3.6	25
1/2	16	2	51	0.78	19.8	14	12	5.4	25
1/2	16	2 1/2	64	0.78	19.8	14	15	6.8	25
1/2	16	3	76	0.78	19.8	14	19	8.6	25
1/2	16	3 1/2	89	0.78	19.8	14	22	10.0	25
1/2	16	4	102	0.78	19.8	14	26	11.8	25
1/2	16	5	127	0.78	19.8	14	33	15.0	25
1/2	16	6	152	0.78	19.8	14	40	18.1	25
1/2	16	8	203	0.78	19.8	14	54	24.5	25
1/2	16	10	254	0.78	19.8	14	68	30.8	25
1/2	16	12	305	0.78	19.8	14	82	37.2	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 CSA Standard  
 A tolerance of minus one thread applies to Total length of Thread

Chart continued on the next page



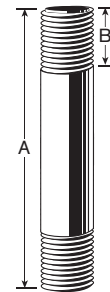
# Galvanized Rigid Conduit (GRC) Nipples

## Galvanized Rigid Conduit (GRC) Nipples (continued)

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.1  
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
		in	mm	in	mm		lb	kg	
1	27	(Close) 1 1/2	38	0.98	24.9	11 1/2	16	7.3	25
1	27	2	51	0.98	24.9	11 1/2	22	10.0	25
1	27	2 1/2	64	0.98	24.9	11 1/2	28	12.7	25
1	27	3	76	0.98	24.9	11 1/2	36	16.3	25
1	27	3 1/2	89	0.98	24.9	11 1/2	43	19.5	25
1	27	4	102	0.98	24.9	11 1/2	49	22.2	25
1	27	5	127	0.98	24.9	11 1/2	64	29.0	25
1	27	6	152	0.98	24.9	11 1/2	78	35.4	25
1	27	8	203	0.98	24.9	11 1/2	109	49.4	25
1	27	10	254	0.98	24.9	11 1/2	138	62.6	25
1	27	12	305	0.98	24.9	11 1/2	166	75.3	25
1 1/4	35	(Close) 1 5/8	41	1.01	25.7	11 1/2	22	10.0	25
1 1/4	35	2	51	1.01	25.7	11 1/2	28	12.7	25
1 1/4	35	2 1/2	64	1.01	25.7	11 1/2	37	16.8	25
1 1/4	35	3	76	1.01	25.7	11 1/2	47	21.3	25
1 1/4	35	3 1/2	89	1.01	25.7	11 1/2	55	24.9	25
1 1/4	35	4	102	1.01	25.7	11 1/2	66	29.9	25
1 1/4	35	5	127	1.01	25.7	11 1/2	84	38.1	25
1 1/4	35	6	152	1.01	25.7	11 1/2	100	45.4	25
1 1/4	35	8	203	1.01	25.7	11 1/2	136	61.7	25
1 1/4	35	10	254	1.01	25.7	11 1/2	176	79.8	10
1 1/4	35	12	305	1.01	25.7	11 1/2	216	98.0	10
1 1/2	41	(Close) 1 3/4	44	1.03	26.2	11 1/2	28	12.7	25
1 1/2	41	2	51	1.03	26.2	11 1/2	34	15.4	25
1 1/2	41	2 1/2	64	1.03	26.2	11 1/2	44	20.0	25
1 1/2	41	3	76	1.03	26.2	11 1/2	56	25.4	25
1 1/2	41	3 1/2	89	1.03	26.2	11 1/2	68	30.8	25
1 1/2	41	4	102	1.03	26.2	11 1/2	80	36.3	25
1 1/2	41	5	127	1.03	26.2	11 1/2	103	46.7	25
1 1/2	41	6	152	1.03	26.2	11 1/2	122	55.3	25
1 1/2	41	8	203	1.03	26.2	11 1/2	170	77.1	10
1 1/2	41	10	254	1.03	26.2	11 1/2	216	98.0	10
1 1/2	41	12	305	1.03	26.2	11 1/2	260	117.9	10
2	53	(Close) 2	51	1.06	26.9	11 1/2	44	20.0	25
2	53	2 1/2	64	1.06	26.9	11 1/2	59	26.8	25
2	53	3	76	1.06	26.9	11 1/2	72	32.7	25
2	53	3 1/2	89	1.06	26.9	11 1/2	88	39.9	25
2	53	4	102	1.06	26.9	11 1/2	103	46.7	25
2	53	5	127	1.06	26.9	11 1/2	132	59.9	20
2	53	6	152	1.06	26.9	11 1/2	160	72.6	20
2	53	8	203	1.06	26.9	11 1/2	220	99.8	10
2	53	10	254	1.06	26.9	11 1/2	285	129.3	10
2	53	12	305	1.06	26.9	11 1/2	335	152.0	10



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

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

Chart continued on the next page

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

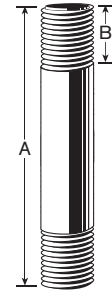
# Galvanized Rigid Conduit (GRC) Nipples

## Galvanized Rigid Conduit (GRC) Nipples (continued)

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.1  
 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
		in	mm	in	mm		lb	kg	
2 1/2	63	(Close) 2 3/4	70	1.57	39.9	8	84	38.1	10
2 1/2	63	3	76	1.57	39.9	8	100	45.4	10
2 1/2	63	3 1/2	89	1.57	39.9	8	120	54.4	10
2 1/2	63	4	102	1.57	39.9	8	150	68.0	10
2 1/2	63	5	127	1.57	39.9	8	197	89.4	8
2 1/2	63	6	152	1.57	39.9	8	240	108.9	8
2 1/2	63	8	203	1.57	39.9	8	329	149.2	8
2 1/2	63	10	254	1.57	39.9	8	422	191.4	5
2 1/2	63	12	305	1.57	39.9	8	505	229.1	5
3	78	(Close) 2 5/8	67	1.63	41.4	8	118	53.5	10
3	78	3	76	1.63	41.4	8	130	59.0	10
3	78	3 1/2	89	1.63	41.4	8	157	71.2	5
3	78	4	102	1.63	41.4	8	200	90.7	5
3	78	5	127	1.63	41.4	8	260	117.9	5
3	78	6	152	1.63	41.4	8	300	136.1	5
3	78	8	203	1.63	41.4	8	411	186.4	5
3	78	10	254	1.63	41.4	8	528	239.5	5
3	78	12	305	1.63	41.4	8	630	285.8	5
3 1/2	91	(Close) 2 3/4	70	1.68	42.7	8	160	72.6	5
3 1/2	91	4	102	1.68	42.7	8	240	108.9	4
3 1/2	91	5	127	1.68	42.7	8	320	145.2	4
3 1/2	91	6	152	1.68	42.7	8	373	169.2	4
3 1/2	91	8	203	1.68	42.7	8	510	231.3	3
3 1/2	91	10	254	1.68	42.7	8	655	297.1	3
3 1/2	91	12	305	1.68	42.7	8	785	356.1	3
4	103	(Close) 2 7/8	73	1.73	43.9	8	180	81.6	5
4	103	4	102	1.73	43.9	8	285	129.3	4
4	103	5	127	1.73	43.9	8	380	172.4	4
4	103	6	152	1.73	43.9	8	440	199.6	4
4	103	8	203	1.73	43.9	8	600	272.2	3
4	103	10	254	1.73	43.9	8	775	351.5	3
4	103	12	305	1.73	43.9	8	925	419.6	3
5	129	(Close) 3	76	1.84	46.7	8	240	108.9	1
5	129	5	127	1.84	46.7	8	480	217.7	1
5	129	6	152	1.84	46.7	8	600	272.2	1
5	129	8	203	1.84	46.7	8	825	374.2	1
5	129	10	254	1.84	46.7	8	1055	478.5	1
5	129	12	305	1.84	46.7	8	1260	571.5	1
6	155	(Close) 3 1/8	79	1.95	49.5	8	350	158.8	1
6	155	5	127	1.95	49.5	8	660	299.4	1
6	155	6	152	1.95	49.5	8	820	372.0	1
6	155	8	203	1.95	49.5	8	1125	510.3	1
6	155	10	254	1.95	49.5	8	1440	653.2	1
6	155	12	305	1.95	49.5	8	1720	780.2	1



<sup>1</sup>Minimum requirement as per CSA Standard  
 A tolerance of minus one thread applies to Total length of Thread

# Aluminum Rigid Conduit (ARC)

## Aluminum Rigid Conduit (ARC)

- Aluminum Rigid Conduit is light weight and is approximately one-third the weight of steel
- Corrosion Resistant aluminum resists most corrosive atmospheres in industrial environments
- Easy to install, no special tools needed to cut, bend or thread
- Low maintenance, doesn't leave discoloring streaks or stains
- Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.2
- Manufactured in accordance with ANSI C80.5
- Complete line of elbows, nipples and couplings
- Available in sizes 1/2 (16) - 6 (155)

## FEATURES & SPECIFICATIONS

### Codes & Standards Compliance

#### Alloy

Columbia-MBF Rigid Aluminum Conduit and Fittings are all manufactured of 6063 alloy in temper designation T-1 to ensure maximum performance in electrical installations. Temper T-5 conduit available in sizes 1/2 (16) through 1 (27).

#### Standards

Columbia-MBF Rigid Aluminum Conduit is CSA Certified to CSA C22.2 No.45.2 "Standard for Electrical Rigid Metal Conduit - Aluminum, Red Brass and Stainless Steel" and is manufactured to ANSI C80.5.

#### Thread Protectors

Color coded end caps keep threads clean and sharp and help provide size recognition. Even sizes are blue; 1/2 sizes are black; and 1/4 sizes are red. Temper T-5 sizes 1/2, 3/4 & 1 are green.

## Aluminum Rigid Conduit (ARC)

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.2  
Manufactured in accordance with ANSI C80.5



Trade Size	Metric Designator	Outside Diameter <sup>1</sup>		Nominal Wall Thickness <sup>2</sup>		Approximate Weight Per 100 Ft. (30.5M)		Bundle Quantity	
		in	mm	in	mm	lb	kg	ft	m
1/2	16	0.840	21.34	0.104	2.64	28	12.7	1000	304.8
3/4	21	1.050	26.67	0.107	2.72	37	17.0	1000	304.8
1	27	1.315	33.40	0.126	3.20	55	24.7	500	152.4
1 1/4	35	1.660	42.16	0.133	3.38	72	32.5	250	76.2
1 1/2	41	1.900	48.26	0.138	3.51	89	40.2	250	76.2
2	53	2.375	60.33	0.146	3.71	119	53.8	200	61.0
2 1/2	63	2.875	73.03	0.193	4.90	188	85.0	100	30.5
3	78	3.500	88.90	0.205	5.21	246	111.7	100	30.5
3 1/2	91	4.000	101.60	0.215	5.46	296	134.1	100	30.5
4	103	4.500	114.30	0.225	5.72	350	158.9	100	30.5
5	129	5.563	141.30	0.245	6.22	479	217.2	60	18.3
6	155	6.625	168.28	0.266	6.76	635	287.8	60	18.3

NOTE: <sup>1</sup>Tolerances: Size 1/2 (16) to 1 1/2 (41) +/- 0.015" (0.38mm); 2 (53) to 6 (155) +/- 1%

<sup>2</sup>For information only. Not a requirement of the CSA Standard.

Each length of conduit with coupling attached will be nominally 10' (3.05m)

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

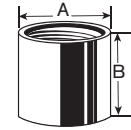
# Aluminum Rigid Conduit (ARC) Couplings and Elbows

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.2  
 Manufactured in accordance with ANSI C80.5



## Aluminum Rigid Conduit (ARC) Couplings

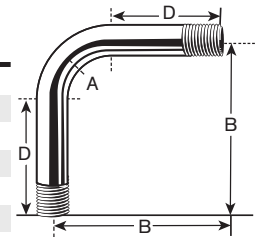
Trade Size	Metric Designator	Nominal O.D. (A) <sup>2</sup>		Length (B) <sup>1</sup>		Threads Per Inch <sup>1</sup>	Approximate Weight Per 100 Pieces		Standard Package
		in	mm	in	mm		lb	kg	
1/2	16	1.078	27.38	1 5/8	41.3	14	6	2.7	100
3/4	21	1.328	33.73	1 41/64	41.7	14	9	4.1	50
1	27	1.562	39.67	1 31/32	50.0	11 1/2	13	5.9	25
1 1/4	35	1.953	49.61	2 1/32	51.6	11 1/2	19	8.6	25
1 1/2	41	2.219	56.36	2 1/16	52.4	11 1/2	23	10.4	25
2	53	2.750	69.85	2 1/8	54.0	11 1/2	35	15.9	15
2 1/2	63	3.281	83.34	3 3/16	81.0	8	68	30.8	8
3	78	3.812	96.84	3 5/16	84.1	8	91	41.3	6
3 1/2	91	4.438	112.71	3 13/32	86.5	8	108	49.0	6
4	103	5.000	127.00	3 33/64	89.3	8	142	64.4	5
5	129	6.219	157.96	3 61/64	100.4	8	242	109.8	1
6	155	7.312	185.74	4 1/4	108.0	8	320	145.2	1



## Aluminum Rigid Conduit (ARC) 90 Degree Elbows



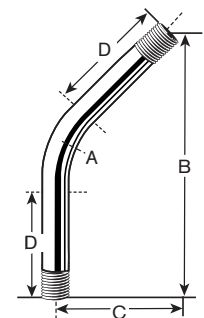
Trade Size	Metric Designator	Radius (A) <sup>1</sup>		Offset (B) <sup>2</sup>		Straight (D) <sup>1</sup>		Approximate Weight Per 100 Pieces		Standard Package
		in	mm	in	mm	in	mm	lb	kg	
1/2	16	4	102	5 7/8	149	1 1/2	38	22	10.0	25
3/4	21	4 1/2	114	7	178	1 1/2	38	32	14.5	40
1	27	5 3/4	146	8 3/4	222	1 7/8	48	62	28.1	25
1 1/4	35	7 1/4	184	10 1/2	267	2	51	99	44.9	10
1 1/2	41	8 1/4	210	11 3/4	298	2	51	137	62.1	10
2	53	9 1/2	241	14 1/2	368	2	51	228	103.4	5
2 1/2	63	10 1/2	267	17 1/4	438	3	76	427	193.7	80
3	78	13	330	22 3/4	578	3 1/8	79	752	341.1	50
3 1/2	91	15	381	23 1/4	591	3 1/4	83	889	403.3	50
4	103	16	406	23 3/8	594	3 3/8	86	1049	475.8	36
5	129	24	610	34 7/8	886	3 5/8	92	2125	963.9	1
6	155	30	762	45 1/2	1156	3 3/4	95	3738	1695.6	1



## Aluminum Rigid Conduit (ARC) 45 Degree Elbows



Trade Size	Metric Designator	Radius (A) <sup>1</sup>		Offset (B) <sup>2</sup>		Offset (C) <sup>2</sup>		Straight (D) <sup>1</sup>		Approximate Weight Per 100 Pieces		Standard Package
		in	mm	in	mm	in	mm	in	mm	lb	kg	
1/2	16	4	102	7	178	2 7/8	73	1 1/2	38	18	8.2	25
3/4	21	4 1/2	114	7 7/8	200	3 1/4	83	1 1/2	38	23	10.4	40
1	27	5 3/4	146	8 3/4	222	3 5/8	92	1 7/8	48	40	18.1	25
1 1/4	35	7 1/4	184	10 1/2	267	4 3/8	111	2	51	65	29.5	10
1 1/2	41	8 1/4	210	13 1/8	333	5 3/8	137	2	51	102	46.3	10
2	53	9 1/2	241	14 1/2	368	6	152	2	51	150	68.0	5
2 1/2	63	10 1/2	267	17 1/2	445	7 1/4	184	3	76	278	126.1	80
3	78	13	330	21	533	8 5/8	219	3 1/8	79	442	200.5	50
3 1/2	91	15	381	26 1/8	664	10 7/8	276	3 1/4	83	659	298.9	50
4	103	16	406	26 1/4	667	10 7/8	276	3 3/8	86	777	352.4	36
5	129	24	610	35 7/8	911	14 7/8	378	3 5/8	92	1446	655.9	1
6	155	30	762	43 3/8	1102	18	457	3 3/4	95	2347	1064.6	1



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

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

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

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

# Aluminum Rigid Conduit (ARC) Elbows

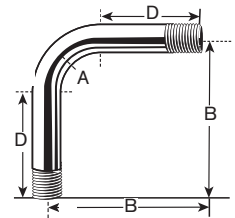
## Aluminum Rigid Conduit (ARC) Large Radius 90 Degree Elbows

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.2

Manufactured in accordance with ANSI C80.5



Trade Size	Metric Designator	Radius (A)		Offset (B) <sup>2</sup>		Straight (D) <sup>2</sup>		Approximate Weight Per 100 Pieces	
		in	mm	in	mm	in	mm	lb	kg
1	27	12	305	20 5/8	524	8 5/8	219	152	68.9
1	27	15	381	24 1/4	616	9 1/4	235	178	80.7
1	27	18	457	27 7/8	708	9 7/8	251	204	92.5
1	27	24	610	34 5/8	879	10 5/8	270	251	113.9
1	27	30	762	41	1041	11	279	294	133.4
1	27	36	914	46 3/4	1187	10 3/4	273	333	151.0
1	27	42	1067	54	1372	12	305	384	174.2
1	27	48	1219	61 1/4	1556	13 1/4	337	436	197.8
1 1/4	35	12	305	20 5/8	524	8 5/8	219	202	91.6
1 1/4	35	15	381	24 1/4	616	9 1/4	235	236	107.0
1 1/4	35	18	457	27 7/8	708	9 7/8	251	271	122.9
1 1/4	35	24	610	34 5/8	879	10 5/8	270	333	151.0
1 1/4	35	30	762	41	1041	11	279	390	176.9
1 1/4	35	36	914	46 3/4	1187	10 3/4	273	442	200.5
1 1/4	35	42	1067	54	1372	12	305	510	231.3
1 1/4	35	48	1219	61 1/4	1556	13 1/4	337	578	262.2
1 1/2	41	12	305	20 5/8	524	8 5/8	219	249	112.9
1 1/2	41	15	381	24 1/4	616	9 1/4	235	291	132.0
1 1/2	41	18	457	27 7/8	708	9 7/8	251	333	151.0
1 1/2	41	24	610	34 5/8	879	10 5/8	270	410	186.0
1 1/2	41	30	762	41	1041	11	279	480	217.7
1 1/2	41	36	914	46 3/4	1187	10 3/4	273	543	246.3
1 1/2	41	42	1067	54	1372	12	305	627	284.4
1 1/2	41	48	1219	61 1/4	1556	13 1/4	337	711	322.5
2	53	12	305	20 5/8	524	8 5/8	219	330	149.7
2	53	15	381	24 1/4	616	9 1/4	235	386	175.1
2	53	18	457	27 7/8	708	9 7/8	251	442	200.5
2	53	24	610	30 3/8	772	6 3/8	162	465	210.9
2	53	30	762	41	1041	11	279	637	288.9
2	53	36	914	46 3/4	1187	10 3/4	273	721	327.0
2	53	42	1067	54	1372	12	305	833	377.8
2	53	48	1219	61 1/4	1556	13 1/4	337	944	428.2
2 1/2	63	12	305	20 5/8	524	8 5/8	219	516	234.1
2 1/2	63	15	381	24 1/4	616	9 1/4	235	606	274.9
2 1/2	63	18	457	24 3/8	619	6 3/8	162	591	268.1
2 1/2	63	24	610	31 1/8	791	7 1/8	181	755	342.5
2 1/2	63	30	762	37 1/2	953	7 1/2	191	904	410.1
2 1/2	63	36	914	44 3/4	1137	8 3/4	222	1082	490.8
2 1/2	63	42	1067	54	1372	12	305	1321	599.2
2 1/2	63	48	1219	61 1/4	1556	13 1/4	337	1500	680.4
3	78	15	381	24 1/4	616	9 1/4	235	791	358.8
3	78	18	457	24 3/8	619	6 3/8	162	772	350.2
3	78	24	610	33 1/8	841	9 1/8	232	1063	482.2
3	78	30	762	38 5/8	981	8 5/8	219	1223	554.8
3	78	36	914	46 7/8	1191	10 7/8	276	1494	677.7
3	78	42	1067	54	1372	12	305	1722	781.1
3	78	48	1219	60 1/4	1530	12 1/4	311	1916	869.1
3	78	60	1524	75 7/8	1927	15 7/8	403	2421	1098.2
3 1/2	91	18	457	26 3/8	670	8 3/8	213	1004	455.4
3 1/2	91	24	610	35 1/8	892	11 1/8	283	1349	611.9
3 1/2	91	30	762	38 1/2	978	8 1/2	216	1441	653.6
3 1/2	91	36	914	47	1194	11	279	1775	805.1
3 1/2	91	42	1067	54	1372	12	305	2039	924.9
3 1/2	91	48	1219	60 1/4	1530	12 1/4	311	2269	1029.2



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

Shipped in palletized cartons or bulk.

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

Chart continued on the next page

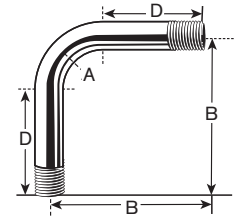
# Aluminum Rigid Conduit (ARC) Elbows and Nipples

## Aluminum Rigid Conduit (ARC) Large Radius 90 Degree Elbows (continued)

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.2  
 Manufactured in accordance with ANSI C80.5



Trade Size	Metric Designator	Radius (A)		Offset (B) <sup>2</sup>		Straight (D) <sup>2</sup>		Approximate Weight Per 100 Pieces	
		in	mm	in	mm	in	mm	lb	kg
4	103	18	457	27 3/8	695	9 3/8	238	1239	562.0
4	103	24	610	35 1/8	892	11 1/8	283	1593	722.6
4	103	30	762	39 3/8	1000	9 3/8	238	1749	793.3
4	103	36	914	47	1194	11	279	2096	950.7
4	103	42	1067	54	1372	12	305	2409	1092.7
4	103	48	1219	60 1/4	1530	12 1/4	311	2681	1216.1
4	103	60	1524	75 7/8	1927	15 7/8	403	3388	1536.8
5	129	30	762	41	1041	11	279	2474	1122.2
5	129	36	914	50 3/4	1289	14 3/4	375	3098	1405.3
5	129	42	1067	55	1397	13	330	3318	1505.0
5	129	48	1219	65 1/4	1657	17 1/4	438	4309	1954.6
5	129	60	1524	75 7/8	1927	15 7/8	403	4566	2071.1
6	155	36	914	50 3/4	1289	14 3/4	375	4128	1872.5
6	155	42	1067	55	1397	13	330	4421	2005.4
6	155	48	1219	65 1/4	1657	17 1/4	438	5738	2602.8
6	155	60	1524	75 7/8	1927	15 7/8	403	6080	2757.9



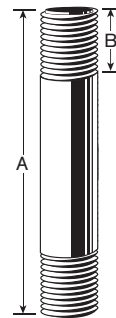
<sup>2</sup>For information only, not a requirement as per CSA Standard  
 Shipped in palletized cartons or bulk.  
 Also available in the following Degrees (60°, 45°, 30°, 22-1/2°, 15° & 11-1/4°)

## Aluminum Rigid Conduit (ARC) Nipples

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.2  
 Manufactured in accordance with ANSI C80.5



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
		in	mm	in	mm		lb	kg	
1/2	16	(Close) 1 1/8	29	0.78	19.8	14	2	0.9	25
1/2	16	1 1/2	38	0.78	19.8	14	3	1.4	25
1/2	16	2	51	0.78	19.8	14	4	1.8	25
1/2	16	2 1/2	64	0.78	19.8	14	5	2.3	25
1/2	16	3	76	0.78	19.8	14	6	2.7	25
1/2	16	3 1/2	89	0.78	19.8	14	8	3.6	25
1/2	16	4	102	0.78	19.8	14	9	4.1	25
1/2	16	5	127	0.78	19.8	14	11	5.0	25
1/2	16	6	152	0.78	19.8	14	13	5.9	25
1/2	16	8	203	0.78	19.8	14	18	8.2	25
1/2	16	10	254	0.78	19.8	14	22	10.0	25
1/2	16	12	305	0.78	19.8	14	27	12.2	25
3/4	21	(Close) 1 3/8	35	0.79	20.1	14	3	1.4	25
3/4	21	1 1/2	38	0.79	20.1	14	3	1.4	25
3/4	21	2	51	0.79	20.1	14	5	2.3	25
3/4	21	2 1/2	64	0.79	20.1	14	6	2.7	25
3/4	21	3	76	0.79	20.1	14	7	3.2	25
3/4	21	3 1/2	89	0.79	20.1	14	9	4.1	25
3/4	21	4	102	0.79	20.1	14	10	4.5	25
3/4	21	5	127	0.79	20.1	14	13	5.9	25
3/4	21	6	152	0.79	20.1	14	18	8.2	25
3/4	21	8	203	0.79	20.1	14	21	9.5	25
3/4	21	10	254	0.79	20.1	14	26	11.8	25
3/4	21	12	305	0.79	20.1	14	32	14.5	25



<sup>1</sup>Minimum requirement as per CSA Standard  
 A tolerance of minus one thread applies to Total Length of Thread

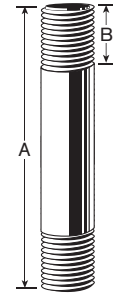
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# Aluminum Rigid Conduit (ARC) Nipples

## Aluminum Rigid Conduit (ARC) Nipples (continued)

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.2

Manufactured in accordance with ANSI C80.5



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
		in	mm	in	mm		lb	kg	
1	27	(Close) 1 1/2	38	0.98	24.9	11 1/2	4	1.8	25
1	27	2	51	0.98	24.9	11 1/2	6	2.7	25
1	27	2 1/2	64	0.98	24.9	11 1/2	8	3.6	25
1	27	3	76	0.98	24.9	11 1/2	10	4.5	25
1	27	3 1/2	89	0.98	24.9	11 1/2	12	5.4	25
1	27	4	102	0.98	24.9	11 1/2	15	6.8	25
1	27	5	127	0.98	24.9	11 1/2	19	8.6	25
1	27	6	152	0.98	24.9	11 1/2	23	10.4	25
1	27	8	203	0.98	24.9	11 1/2	32	14.5	25
1	27	10	254	0.98	24.9	11 1/2	40	18.1	25
1	27	12	305	0.98	24.9	11 1/2	49	22.2	25
1 1/4	35	(Close) 1 5/8	41	1.01	25.7	11 1/2	6	2.7	25
1 1/4	35	2	51	1.01	25.7	11 1/2	8	3.6	25
1 1/4	35	2 1/2	64	1.01	25.7	11 1/2	11	5.0	25
1 1/4	35	3	76	1.01	25.7	11 1/2	14	6.4	25
1 1/4	35	3 1/2	89	1.01	25.7	11 1/2	17	7.7	25
1 1/4	35	4	102	1.01	25.7	11 1/2	20	9.1	25
1 1/4	35	5	127	1.01	25.7	11 1/2	26	11.8	25
1 1/4	35	6	152	1.01	25.7	11 1/2	31	14.1	25
1 1/4	35	8	203	1.01	25.7	11 1/2	43	19.5	25
1 1/4	35	10	254	1.01	25.7	11 1/2	54	24.5	10
1 1/4	35	12	305	1.01	25.7	11 1/2	65	29.5	10
1 1/2	41	(Close) 1 3/4	44	1.03	26.2	11 1/2	9	4.1	25
1 1/2	41	2	51	1.03	26.2	11 1/2	11	5.0	25
1 1/2	41	2 1/2	64	1.03	26.2	11 1/2	14	6.4	25
1 1/2	41	3	76	1.03	26.2	11 1/2	18	8.2	25
1 1/2	41	3 1/2	89	1.03	26.2	11 1/2	21	9.5	25
1 1/2	41	4	102	1.03	26.2	11 1/2	25	11.3	25
1 1/2	41	5	127	1.03	26.2	11 1/2	32	14.5	25
1 1/2	41	6	152	1.03	26.2	11 1/2	39	17.7	25
1 1/2	41	8	203	1.03	26.2	11 1/2	53	24.0	10
1 1/2	41	10	254	1.03	26.2	11 1/2	67	30.4	10
1 1/2	41	12	305	1.03	26.2	11 1/2	81	36.7	10
2	53	(Close) 2	51	1.06	26.9	11 1/2	14	6.4	25
2	53	2 1/2	64	1.06	26.9	11 1/2	19	8.6	25
2	53	3	76	1.06	26.9	11 1/2	24	10.9	25
2	53	3 1/2	89	1.06	26.9	11 1/2	28	12.7	25
2	53	4	102	1.06	26.9	11 1/2	33	15.0	25
2	53	5	127	1.06	26.9	11 1/2	42	19.1	20
2	53	6	152	1.06	26.9	11 1/2	51	23.1	20
2	53	8	203	1.06	26.9	11 1/2	70	31.8	10
2	53	10	254	1.06	26.9	11 1/2	89	40.4	10
2	53	12	305	1.06	26.9	11 1/2	107	48.5	10

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

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

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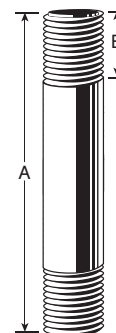
NOTE: Special orders are non-cancelable, non-returnable and non-refundable.

# Aluminum Rigid Conduit (ARC) Nipples

## Aluminum Rigid Conduit (ARC) Nipples (continued)

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.45.2

Manufactured in accordance with ANSI C80.5



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
		in	mm	in	mm		lb	kg	
2 1/2	63	(Close) 2 3/4	70	1.57	39.9	8	21	9.5	10
2 1/2	63	3	76	1.57	39.9	8	24	10.9	10
2 1/2	63	3 1/2	89	1.57	39.9	8	32	14.5	10
2 1/2	63	4	102	1.57	39.9	8	39	17.7	10
2 1/2	63	5	127	1.57	39.9	8	54	24.5	8
2 1/2	63	6	152	1.57	39.9	8	69	31.3	8
2 1/2	63	8	203	1.57	39.9	8	99	44.9	8
2 1/2	63	10	254	1.57	39.9	8	129	58.5	5
2 1/2	63	12	305	1.57	39.9	8	159	72.1	5
3	78	(Close) 2 5/8	67	1.63	41.4	8	27	12.2	10
3	78	3	76	1.63	41.4	8	34	15.4	10
3	78	3 1/2	89	1.63	41.4	8	44	20.0	5
3	78	4	102	1.63	41.4	8	54	24.5	5
3	78	5	127	1.63	41.4	8	73	33.1	5
3	78	6	152	1.63	41.4	8	93	42.2	5
3	78	8	203	1.63	41.4	8	131	59.4	5
3	78	10	254	1.63	41.4	8	170	77.1	5
3	78	12	305	1.63	41.4	8	209	94.8	5
3 1/2	91	(Close) 2 3/4	70	1.68	42.7	8	33	15.0	5
3 1/2	91	4	102	1.68	42.7	8	61	27.7	4
3 1/2	91	5	127	1.68	42.7	8	84	38.1	4
3 1/2	91	6	152	1.68	42.7	8	107	48.5	4
3 1/2	91	8	203	1.68	42.7	8	153	69.4	3
3 1/2	91	10	254	1.68	42.7	8	199	90.3	3
3 1/2	91	12	305	1.68	42.7	8	245	111.1	3
4	103	(Close) 2 7/8	73	1.73	43.9	8	39	17.7	5
4	103	4	102	1.73	43.9	8	69	31.3	4
4	103	5	127	1.73	43.9	8	97	44.0	4
4	103	6	152	1.73	43.9	8	124	56.2	4
4	103	8	203	1.73	43.9	8	178	80.7	3
4	103	10	254	1.73	43.9	8	233	105.7	3
4	103	12	305	1.73	43.9	8	287	130.2	3
5	129	(Close) 3	76	1.84	46.7	8	52	23.6	1
5	129	5	127	1.84	46.7	8	125	56.7	1
5	129	6	152	1.84	46.7	8	162	73.5	1
5	129	8	203	1.84	46.7	8	235	106.6	1
5	129	10	254	1.84	46.7	8	309	140.2	1
5	129	12	305	1.84	46.7	8	382	173.3	1
6	155	(Close) 3 1/8	79	1.95	49.5	8	84	38.1	1
6	155	5	127	1.95	49.5	8	175	79.4	1
6	155	6	152	1.95	49.5	8	224	101.6	1
6	155	8	203	1.95	49.5	8	322	146.1	1
6	155	10	254	1.95	49.5	8	419	190.1	1
6	155	12	305	1.95	49.5	8	517	234.5	1

<sup>1</sup>Minimum requirement as per CSA Standard  
A tolerance of minus one thread applies to Total length of Thread



# Warranty

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**Warranties.** Seller warrants the products will meet Canadian Standards Association (CSA) specifications if such products are CSA Certified. No warranty is given for products or components that have been (i) manufactured by companies other than Seller; (ii) subject to misuse, improper installation, corrosion, or negligence; (iii) disassembled, modified or repaired by unauthorized persons; (iv) used in any manner contrary to Seller's instructions or recommendations; or (v) subject to (1) corrosion beyond normal weathering; (2) corrosion caused by disruption of any product coating after production; (3) corrosion occurring at points in the product that have been drilled, cut or welded; or (4) corrosion occurring in unusual or highly corrosive soil, environmental or industrial conditions (in case of corrosion under this subsection (v)(4), Seller's limited obligation is to ensure that the product complies with its published specifications). SELLER DISCLAIMS ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ANY WARRANTY THAT THE PRODUCTS WILL CONFORM TO ANY SAMPLES, ANY WARRANTY THAT THE PRODUCTS WILL NOT DISCOLOR OR THE TEXTURE OR FINISH WILL NOT CORRODE OR DETERIORATE, AND ANY WARRANTY REGARDING ANY ANCILLARY SERVICES RENDERED.

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

Conduit Systems	Cable Systems	Framing Systems
<p><b>Steel EMT</b></p> <ul style="list-style-type: none"> <li>E-Z Pull™ EMT</li> <li>True Color™ EMT</li> <li>Kwik-Fit™ EMT</li> <li>Kwik-Fit™ Compression EMT</li> <li>E-Z Pull™ EMT Elbows</li> </ul> <p><b>Steel Conduit</b></p> <ul style="list-style-type: none"> <li>Rigid GRC</li> <li>Kwik-Couple™ Rigid GRC</li> <li>Rigid GRC Elbows, Couplings &amp; Nipples</li> </ul> <p><b>Aluminum Conduit</b></p> <ul style="list-style-type: none"> <li>Rigid ARC</li> <li>Rigid ARC Elbows, Couplings &amp; Nipples</li> </ul>	<p><b>Liquid-Tight Flexible Metal Conduit</b></p> <ul style="list-style-type: none"> <li>Hydrotite CSA Conduit</li> <li>Hydrotite Computer Blue CSA Conduit</li> <li>Liquid-Tuff™ CSA/UL Conduit</li> <li>Liquid-Tuff™ Computer Blue CSA/UL Conduit</li> <li>Liquid-Tuff™ UL Conduit</li> <li>Liquid-Tuff™ Hi-Low Temperature UL Core Conduit</li> <li>Liquid-Tuff™ Low Smoke Zero Halogen Non CSA/UL Conduit</li> <li>Liquid-Tuff™ Oil Resistant/High Temperature Non CSA/UL Conduit</li> <li>Liquid-Tuff™ Extreme Temperature Non CSA/UL Conduit</li> </ul>	<p><b>Channel</b></p> <ul style="list-style-type: none"> <li>Pre-Galvanized Channel</li> <li>Hot-Dip Galvanized Channel</li> <li>Power-Gold Channel</li> <li>Power-Green Channel</li> <li>Plain Channel</li> <li>Aluminum Channel</li> <li>Stainless Steel Channel</li> <li>Junior Channel</li> <li>Aickinstrut® Fiberglass Channel</li> </ul> <p><b>Fittings &amp; Accessories</b></p> <ul style="list-style-type: none"> <li>Spring Nuts, Clamping Nuts</li> <li>Threaded Rod &amp; Couplings</li> <li>Rod Stiffeners, Eyelets</li> <li>Nuts, Bolts &amp; Washers</li> <li>Splices, Swivels</li> <li>Angles, Connectors, Tees</li> <li>Cross, Corners</li> <li>Braces, Supports</li> <li>Clevis, Joiners</li> <li>Post Base, Trolleys</li> <li>Brackets, Beam Clamps</li> <li>Casters</li> <li>Pipe Hangers, Rollers</li> <li>Pipe &amp; Conduit Clamps</li> <li>Electrical</li> <li>Concrete Inserts</li> <li>Solar Components</li> <li>Power-Pier Rooftop Supports</li> <li>Power-Pier Rooftop Bases</li> <li>Power-Angle Support</li> </ul>
	<p><b>Liquid-Tight Flexible Non-Metallic Conduit</b></p> <ul style="list-style-type: none"> <li>Liquid-Tuff™ CSA/UL Conduit</li> <li>Liquid-Tuff™ CSA/UL Orange Conduit</li> <li>Liquid-Tuff™ UL High Temperature Conduit</li> <li>Ultraflex CSA Tubing</li> </ul>	
<p><b>Conduit Systems</b></p> <ul style="list-style-type: none"> <li>Rigid Stainless Steel Conduit (Type 304 &amp; 316)</li> </ul>	<p><b>Flexible Metal Conduit</b></p> <ul style="list-style-type: none"> <li>Rayflex Full Wall Aluminum CSA Conduit</li> <li>Reduced Wall Steel UL Conduit</li> <li>Reduced Wall Aluminum UL Conduit</li> <li>Extra Flexible Steel Non CSA/UL Conduit</li> <li>Full Wall Steel CSA/UL Conduit</li> </ul>	
	<p><b>Armoured Cable</b></p> <ul style="list-style-type: none"> <li>AC-90™ Armoured Cable</li> <li>AC-90™ ISO Armoured Cable</li> </ul>	
<p><b>Cable Tray Systems</b></p> <p><b>Cable Tray</b></p> <ul style="list-style-type: none"> <li>Ladder Tray</li> <li>Hat Tray</li> <li>Trof Tray</li> <li>Tray Fittings &amp; Accessories</li> </ul> <p><b>I-Beam™ Cable Tray</b></p> <ul style="list-style-type: none"> <li>I-BEAM™ Aluminum Tray</li> <li>I-BEAM™ Accessories</li> </ul> <p><b>Fiberglass Tray</b></p> <ul style="list-style-type: none"> <li>Cope-glas™ Fiberglass Tray</li> <li>Cope-glas™ Fiberglass Fittings</li> </ul>	<p><b>Fittings</b></p> <ul style="list-style-type: none"> <li>EMT Steel Compression &amp; Set-Screw Fittings</li> <li>Liquid-Tight Metallic &amp; Non-Metallic Fittings</li> </ul> <p><b>AFC Accessories</b></p> <ul style="list-style-type: none"> <li>Light, Power, &amp; Appliance Whips</li> </ul>	
<p><b>Cope Channel</b></p> <ul style="list-style-type: none"> <li>Cable Channel</li> <li>Cable Channel Fittings &amp; Accessories</li> </ul>		<p><b>Cable Systems</b></p> <p><b>Innerduct</b></p> <ul style="list-style-type: none"> <li>Protect-N-Duct Plenum</li> <li>Protect-N-Duct Riser</li> <li>Protect-N-Duct Fittings</li> <li>Single Wall Kortech® HDPE</li> <li>Dual Wall Kortech® HDPE</li> <li>Solid Wall HDPE</li> <li>HDPE Fittings</li> </ul>
<p><b>Cope Channel</b></p> <ul style="list-style-type: none"> <li>Aluminum</li> <li>Pre-Galvanized</li> <li>Hot-Dip Galvanized</li> <li>Stainless Steel</li> <li>PVC Coated</li> </ul>	<p><b>Basket Tray Systems</b></p> <ul style="list-style-type: none"> <li>Wire Basket Tray</li> <li>Wire Basket Accessories</li> </ul>	


Practically puts itself together.



**Kwik Conduit System**

With the Kwik system, the coupling is built right into the conduit. It cuts installation time up to 50% and takes separate couplings completely out of the equation. You save time and money — a few things we're sure you'd rather spend somewhere else. To see how Kwik conduit products will benefit your project visit [kwikcalculator.com](http://kwikcalculator.com)

**Columbia-MBF™**  
A PART OF **atkore**  
ESTABLISHED



Built to Protect and Defend.



**AFC Liquid-Tuff™ Conduits**

Whether you need to protect wiring from extreme temperatures, harsh environmental conditions, or halogen free requirements, AFC has the right solution for your job. This completely re-engineered line of industrial and commercial liquid-tight flexible metal and non-metallic conduits offer variety, strength, and flexibility to shield wiring in any condition. [Learn more at afcweb.com](http://afcweb.com)

**AFC**  
CABLE SYSTEMS®  
A PART OF **atkore**  
ESTABLISHED



Some names carry a lot of weight.



**Cope Ladder Tray with 360° Cold Swage**

When it comes to cable management solutions, Cope is the strong choice. And cable trays don't come any stronger than the Cope Ladder Tray. The cold swage connections create the toughest, most rigid cable trays in the industry, so it can handle whatever weight you throw its way. [CopeCableTray.com](http://CopeCableTray.com)

**cope**  
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The only tools you'll need.



Installing our patented CLIC wire basket connection system is a snap.\* Every piece is made to fit together and connect with only a single hand movement, so in no time, you're done. Visit [acroba.eu](http://acroba.eu) to learn more.

**ACROBA**  
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ESTABLISHED

\*No specialty tools are needed, but some basic tools may be used.

6560 Northwest Drive  
Mississauga, Ontario  
L4V 1P2  
PHONE/ 905-362-0180  
TOLL-FREE / 866-632-0180

[www.columbia-mbf.ca](http://www.columbia-mbf.ca)

