

UNY and UNF Unions

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups A◇, B◇, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III

Applications

- UNY and UNF unions are used for joining conduit and connecting conduit to enclosures. Facilitates modifications, permits removal of enclosures without turning or removal of conduit.
- Expansion unions compensate for expansion and contraction of conduit.

Features

- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.
- Non-expansion unions
 - Concentric ring interlocked design of 1/2", 3/4" and 1" sizes makes possible smaller diameter, allowing use in tighter spaces. 1-1/4" and larger UNY sizes have removable male nipple.
 - Concretetight
- Expansion unions
 - One-piece design eliminates need for disassembly during installation.
 - Telescoping cylinder within cylinder design permits expansion or contraction.
 - Standard or long types available.
 - Small external diameters—excellent in restricted areas in wiring of pumps, motors, and other equipment.
 - Internal phosphor bronze "bonding jumper" ring assures positive ground between telescoping cylinders.



Standard Materials

- UNY and UNF (non-expansion) unions:
 - 1/2" thru 1": steel or aluminum
 - 1-1/4" thru 6": malleable iron or copperfree (4/10 of 1% max.) aluminum
- UNY and UNF expansion unions: steel
- Concretetight

Standard Finishes

- Malleable iron products: triplecoat — (1) zinc electroplate, (2) chromate and (3) epoxy powder coat
- Steel products: zinc electroplate
- Aluminum products 1/2" thru 4": natural

Options

- Stainless steel UNF/UNY available 1/2", 3/4", and 1". Add suffix **-SS** to catalog number.

NEC/CEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E-34997
- CSA Standard: C22.2 No. 30
- CSA Certified: 065181
- NEC Articles 500-503 and 505
- Mil. Spec: Mil-F28675

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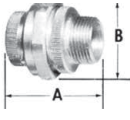
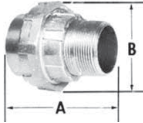
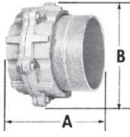
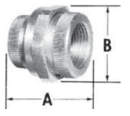
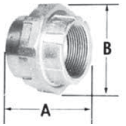
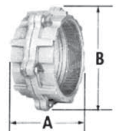
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HAZARDOUS LOCATION FITTINGS: NEC/CEC EXPLOSIONPROOF CONDUIT FITTINGS

OZGEDNEY

	Size (Inches)	Millimeters (Inches)		Catalog Number		
		A	B	Steel (1/2" to 1")	Malleable (1-1/4" to 6")	Aluminium (1/2" to 4")
UNY Unions — For connecting conduit to enclosure						
<i>Male/Female (Nipple Not Removable)</i>						
	1/2	54.4 (2.15)	37.3 (1.47)	UNY50S ◇	—	UNY50A ◇
	3/4-1/2	54.8 (2.16)	37.3 (1.47)	UNY7550S ◇	—	UNY7550A ◇
	3/4	54.8 (2.16)	44.5 (1.75)	UNY75S ◇	—	UNY75A ◇
	1	66.7 (2.62)	50.8 (2.00)	UNY100S ◇	—	UNY100A ◇
<i>Male/Female (Removable Male Nipple)</i>						
	1-1/4	79.4 (3.13)	71.4 (2.81)	—	UNY125 ◆	UNY125NA ◆
	1-1/2	82.6 (3.25)	77.8 (3.06)	—	UNY150 ◆	UNY150NA ◆
	2	92.1 (3.63)	94.5 (3.72)	—	UNY200 ◆	UNY200NA ◆
	2-1/2	122.2 (4.81)	123.8 (4.88)	—	UNY250 ◆	UNY250A ◆
	3	122.2 (4.81)	136.5 (5.38)	—	UNY300 ◆	UNY300A ◆
	3-1/2	125.4 (4.94)	149.2 (5.88)	—	UNY350 ◆	UNY350A ◆
	4	130.2 (5.13)	163.5 (6.44)	—	UNY400 ◆	UNY400A ◆
	5	142.9 (5.63)	212.7 (8.33)	—	UNY500	UNY500A
	6	146.1 (5.75)	244.5 (9.63)	—	UNY600	UNY600A
UNF Female Unions — For connecting conduit to conduit						
	1/2	37.3 (1.47)	37.3 (1.47)	UNF50S ◇	—	UNF50A ◇
	3/4-1/2 ①	37.3 (1.47)	37.3 (1.47)	UNF7550S ◇	—	UNF7550A ◇
	3/4	37.3 (1.47)	44.5 (1.75)	UNF75S ◇	—	UNF75A ◇
	1	43.7 (1.72)	50.8 (2.00)	UNF100S ◇	—	UNF100A ◇
	1-1/4	55.6 (2.19)	71.4 (2.81)	—	UNF125NR ◆	UNF125A ◆
	1-1/2	55.6 (2.19)	77.8 (3.06)	—	UNF150NR ◆	UNF150A ◆
	2	58.7 (2.31)	94.5 (3.72)	—	UNF200NR ◆	UNF200A ◆
	2-1/2	85.7 (3.38)	123.8 (4.88)	—	UNF250R ◆	UNF250A ◆
	3	85.7 (3.38)	136.5 (5.38)	—	UNF300R ◆	UNF300A ◆
	3-1/2	85.7 (3.38)	149.2 (5.88)	—	UNF350R ◆	UNF350A ◆
	4	88.9 (3.50)	163.5 (6.44)	—	UNF400R ◆	UNF400A ◆
	5	98.4 (3.88)	212.7 (8.38)	—	UNF500R	UNF500A
	6	101.6 (4.00)	244.5 (9.63)	—	UNF600R	UNF600A

① Male end given first

◇ Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; and Class III.

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