

# Rigid Aluminum Elbows, Couplings and Nipples

## Submittal Sheet



Picoma's rigid aluminum elbows, couplings and nipples are a lightweight wiring solution for industrial, corrosive and explosive environments. Made from marine-grade alloy, Picoma's rigid aluminum EC&N provide extra protection against sparking, magnetism and rust. Standard and special large-radius elbows are available to meet the needs of any project.

### Listing

Picoma's rigid aluminum elbows, couplings and nipples are UL® Listed to UL-6A, certified to CSA C22.2 No. 45.2, and manufactured in accordance with ANSI® C80.5.

Picoma's rigid aluminum elbows and nipples feature NPT tapered threads in accordance with ANSI/ASME B1.20.1.

### Locations

Picoma's rigid aluminum elbows provide lightweight, nonmagnetic wiring solutions for dry, wet, exposed, concealed or hazardous locations that comply with the National Electrical Code® (NEC®).



## SUBMITTAL INFORMATION

PROJECT: \_\_\_\_\_ CONTRACTOR: \_\_\_\_\_ DATE: \_\_\_\_\_  
ENGINEER: \_\_\_\_\_ SPECIFICATION REFERENCE: \_\_\_\_\_ SYSTEM TYPE: \_\_\_\_\_  
LOCATIONS: \_\_\_\_\_ COMMENTS: \_\_\_\_\_



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### 90° ELBOWS

TRADE SIZE	UL MIN. RADIUS**	OFFSET (FIG. 1)	UL MIN. STRAIGHT (FIG. 2)**	WEIGHT PER 100	WEIGHT PER CTN.	STANDARD CARTON QTY.
	in.	in.	in.	lbs.	lbs.	
½	4	5 ⅞	1 ½	26	13	50
¾	4 ½	7	1 ½	40	20	50
1	5 ¾	8 ¾	1 ⅞	72	18	25
1 ¼	7 ¼	10 ¾	2	105	21	20
1 ½	8 ¼	12 ¼	2	153	23	15
2	9 ½	14 ½	2	210	21	10
2 ½*	10 ½	17 ¼	3	500	Bulk	Bulk
3*	13	22 ¾	3 ⅞	800	Bulk	Bulk
3 ½*	15	23 ¼	3 ¼	900	Bulk	Bulk
4*	16	23 ⅞	3 ⅜	1200	Bulk	Bulk
5*	24	34 ⅞	3 ⅝	2400	Bulk	Bulk
6*	30	45 ½	3 ¾	3800	Bulk	Bulk

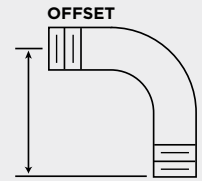


FIGURE 1

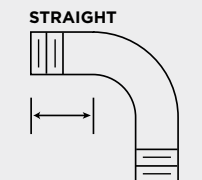


FIGURE 2

\* Trade sizes 2 ½ and larger shipped in palletized cartons or bulk. Palletized and bulk elbows supplied with a thread protector on each end and UL label affixed.

\*\* Minimum dimension per UL-6A.

### SPECIAL LARGE-RADIUS 90° ELBOWS

TRADE SIZE	12" RADIUS	15" RADIUS	18" RADIUS	24" RADIUS	30" RADIUS	36" RADIUS	42" RADIUS	48" RADIUS
1	1	2	2	3	4	4	4	5
1 ¼	2	3	3	3	5	5	6	6
1 ½	3	3	4	4	6	6	7	8
2	4	3	4	5	8	8	9	10
2 ½	—	7	6	8	12	12	14	16
3	—	9	10	11	13	16	18	21
3 ½	—	Standard Radius	11	14	18	19	22	25
4	—	—	14	16	21	23	26	29
5	—	—	—	Standard Radius	29	34	37	44
6	—	—	—	—	Standard Radius	42	49	58

Numbers in table above represent weight in pounds of special-radius elbows we offer.

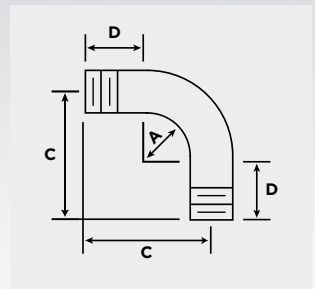
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### DIMENSIONS OF SPECIAL LARGE-RADIUS 90° ELBOWS

TRADE SIZE	1-2½	1-3	1-4	1-4	1-5	1-6	1-6	1-6
When Radius "A" Is	12"	15"	18"	24"	30"	36"	42"	48"
Offset "C" Is	1'9"	2'0"	2'4"	2'11"	3'5"	3'11"	4'6"	5'0"
Straight End "D" Is	9"	9"	10"	11"	11"	11"	12"	12"
Length Unbent Is	3'0"	3'6"	4'0"	4'11"	5'9"	6'6"	7'6"	8'4"



### COUPLINGS

TRADE SIZE	OUTSIDE DIAMETER	UL MIN. LENGTH*	WEIGHT PER 100	WEIGHT PER CTN.	STANDARD CARTON QTY.
	in.	in.	lbs.	lbs.	
½	1.078	1⅝	6	6	100
¾	1.328	1⅞	9	5	50
1	1.562	1¾	13	4	30
1¼	1.953	2½	19	5	25
1½	2.219	2⅞	23	6	25
2	2.750	2⅞	35	7	20
2½	3.281	3⅞	68	16	24
3	3.812	3⅞	91	15	16
3½	4.438	3¾	108	13	12
4	5.000	3¾	142	14	10
5	6.219	3¾	242	—	Bulk
6	7.312	4¼	320	—	Bulk



**Tested and Certified for Safety**  
Our rigid aluminum elbows, couplings and nipples comply with the following standards: ANS C80.5, and UL-6A, to which they are Listed.

\* Minimum dimension per UL-6A.

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### NIPPLES

LENGTH		CLOSE		1½"		2"		2½"		3"		3½"	
TRADE SIZE	LENGTH* (IN.)	STD. CARTON QTY.	WEIGHT PER 100 (LBS.)	STD. CARTON QTY.	WEIGHT PER 100 (LBS.)	STD. CARTON QTY.	WEIGHT PER 100 (LBS.)	STD. CARTON QTY.	WEIGHT PER 100 (LBS.)	STD. CARTON QTY.	WEIGHT PER 100 (LBS.)	STD. CARTON QTY.	WEIGHT PER 100 (LBS.)
½	1½	25	2	25	3	25	4	25	5	25	7	25	8
¾	1¾	25	3	25	3	25	5	25	7	25	8	25	10
1	1½	25	4	—	—	25	7	25	8	25	12	25	14
1¼	1¾	25	7	—	—	25	10	25	13	25	16	25	20
1½	1¾	25	10	—	—	25	12	25	16	25	20	25	24
2	2	25	16	—	—	—	—	25	22	25	27	25	32
2½	2½	12	22	—	—	—	—	—	—	10	30	10	39
3	2¾	12	24	—	—	—	—	—	—	10	42	10	53
3½	2¾	12	42	—	—	—	—	—	—	—	—	—	—
4	2¾	12	51	—	—	—	—	—	—	—	—	—	—
5	3	Bulk	71	—	—	—	—	—	—	—	—	—	—
6	3½	Bulk	105	—	—	—	—	—	—	—	—	—	—

LENGTH		4"		5"		6"		8"		10"		12"		
TRADE SIZE	STD. CARTON QTY.	WEIGHT PER 100 (LBS.)	STD. CARTON QTY.	WEIGHT PER 100 (LBS.)	STD. CARTON QTY.	WEIGHT PER 100 (LBS.)	STD. CARTON QTY.	WEIGHT PER 100 (LBS.)	STD. CARTON QTY.	WEIGHT PER 100 (LBS.)	STD. CARTON QTY.	WEIGHT PER 100 (LBS.)	STD. CARTON QTY.	WEIGHT PER 100 (LBS.)
½	25	9	25	12	25	14	25	19	25	24	25	25	29	
¾	25	12	25	15	25	18	25	25	25	31	25	25	38	
1	25	16	25	21	25	26	25	36	25	45	25	25	55	
1¼	25	23	25	29	25	36	12	49	12	62	12	12	75	
1½	25	28	25	36	25	44	12	59	12	74	12	12	90	
2	25	38	25	48	25	58	12	78	12	100	12	12	120	
2½	10	47	12	64	12	80	5	114	5	148	5	5	180	
3	10	64	10	86	10	108	5	152	5	196	5	5	240	
3½	10	75	10	101	5	128	5	180	5	234	5	5	286	
4	10	87	10	118	5	149	5	212	5	274	5	5	336	
5	—	—	Bulk	155	Bulk	197	Bulk	281	Bulk	366	Bulk	Bulk	450	
6	—	—	Bulk	208	Bulk	263	Bulk	372	Bulk	481	Bulk	Bulk	591	

\* Length reference is for close nipples only.  
All dimensions provided are for descriptive purposes only.

#### Chart Key

— = not available | Bulk = shipped in palletized carton or bulk

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