



1117 North Second Street - Murphysboro, IL 62966 USA - Tel: 618.684.2146

TECHNICAL BULLETIN 3 4/2022

## Estimated Job Cost Savings

### Galvanized Steel vs Aluminum Rigid Conduit

#### Assumptions\*

- Hourly Labor Rate: \$58.00
- Material Cost Savings: Estimated Current Steel Rigid Conduit Price compared to Penn Aluminum 9/1/2021 Pricing for Rigid Aluminum Conduit.
- Job Difficulty Level: Based on NECA Standard Units of Labor
- Labor Savings: Estimated Installation Labor Cost Savings calculations based on information derived from Aluminum Electrical Conductor Handbook.
- Not Determined: Recycling Monetary Value of aluminum job site scrap generated.

\*Material and Labor Costs vary by market and over time and these savings are an attempt to show, based on available information, the savings generated from using aluminum conduit products versus galvanized steel conduit products.

### Penn Aluminum Rigid Conduit... The Smart Choice.

DIFFICULTY LEVEL: NORMAL				Savings On Your Job			
Trade Size	Feet	Metal	Pounds per Piece	Hours Saved	Labor \$'s Saved	Material \$'s Saved	Total Savings
1/2"	1,000	Aluminum	2.8	-	\$0.00	\$1,588.90	\$1,588.90
		Steel	8.2				
3/4"	1,000	Aluminum	3.7	-	\$0.00	\$1,394.00	\$1,394.00
		Steel	10.9				
1"	500	Aluminum	5.5	-	\$0.00	\$1,180.60	\$1,180.60
		Steel	16.1				
1 1/4"	500	Aluminum	7.2	7.5	\$435.00	\$1,857.65	\$2,292.65
		Steel	20.1				
1 1/2"	500	Aluminum	8.9	11.5	\$667.00	\$1,977.05	\$2,644.05
		Steel	24.9				
2"	500	Aluminum	11.9	18.5	\$1,073.00	\$2,255.15	\$3,328.15
		Steel	33.2				
2 1/2"	250	Aluminum	18.8	13.0	\$754.00	\$2,341.43	\$3,095.43
		Steel	52.7				
3"	100	Aluminum	24.6	6.0	\$348.00	\$998.84	\$1,346.84
		Steel	68.2				
3 1/2"	100	Aluminum	29.6	8.4	\$487.20	\$1,383.43	\$1,870.63
		Steel	83.1				
4"	100	Aluminum	35.0	11.4	\$661.20	\$1,359.92	\$2,021.12
		Steel	97.2				
5"	50	Aluminum	47.9	7.8	\$449.50	\$1,527.22	\$1,976.72
		Steel	131.4				
6"	50	Aluminum	63.0	10.0	\$580.00	\$1,982.96	\$2,562.96
		Steel	174.5				
<b>Totals</b>				<b>94.05</b>	<b>\$5,454.90</b>	<b>\$15,683.65</b>	<b>\$21,138.55</b>

DIFFICULTY LEVEL: VERY				Savings On Your Job			
Trade Size	Feet	Metal	Pounds per Piece	Hours Saved	Labor \$'s Saved	Material \$'s Saved	Total Savings
1/2"	1,000	Aluminum	2.8	-	\$0.00	\$1,588.90	\$1,588.90
		Steel	8.2				
3/4"	1,000	Aluminum	3.7	-	\$0.00	\$1,394.00	\$1,394.00
		Steel	10.9				
1"	500	Aluminum	5.5	-	\$0.00	\$1,180.60	\$1,180.60
		Steel	16.1				
1 1/4"	500	Aluminum	7.2	15	\$870.00	\$1,857.65	\$2,727.65
		Steel	20.1				
1 1/2"	500	Aluminum	8.9	22.5	\$1,305.00	\$1,977.05	\$3,282.05
		Steel	24.9				
2"	500	Aluminum	11.9	30	\$1,740.00	\$2,255.15	\$3,995.15
		Steel	33.2				
2 1/2"	250	Aluminum	18.8	20	\$1,160.00	\$2,341.43	\$3,501.43
		Steel	52.7				
3"	100	Aluminum	24.6	9.5	\$551.00	\$998.84	\$1,549.84
		Steel	68.2				
3 1/2"	100	Aluminum	29.6	11	\$638.00	\$1,383.43	\$2,021.43
		Steel	83.1				
4"	100	Aluminum	35	16.5	\$957.00	\$1,359.92	\$2,316.92
		Steel	97.2				
5"	50	Aluminum	47.9	11.25	\$652.50	\$1,527.22	\$2,179.72
		Steel	131.4				
6"	50	Aluminum	63	14	\$812.00	\$1,982.96	\$2,794.96
		Steel	174.5				
<b>Totals</b>				<b>149.75</b>	<b>\$8,685.50</b>	<b>\$15,683.65</b>	<b>\$24,369.15</b>

For additional information, please visit our website at [www.pennconduit.com](http://www.pennconduit.com).



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