



NECA Manual of Labor Units

The field is busy – but there's only one spot for number one. See how the installation time for fiberglass conduit and elbows stack up to PVC (SCH 40 and 80), GRC, PVC Coated Steel and Aluminum conduit and elbows.

CONDUIT

CONDUIT DIAMETER	EPOXY FIBERGLASS*	PVC SCH 40	PVC SCH 80	GALVANIZED RIGID STEEL	PVC-COATED STEEL	ALUMINUM
3/4"	5.5	4.5	5.4	6.0	8.0	5.5
1"	5.75	5.25	6.3	7.0	10.0	6.0
1-1/4"	6.0	6.0	7.2	8.0	12.0	6.5
1-1/2"	6.35	7.0	8.4	9.0	15.0	7.0
2"	6.75	8.0	9.6	11.0	18.0	8.0
2-1/2"	7.1	9.0	10.8	15.0	21.0	10.0
3"	7.5	10.0	12.0	20.0	26.0	12.0
3-1/2"	7.85	12.0	N/A	25.0	32.0	15.0
4"	8.25	14.0	16.8	30.0	38.0	19.0
5"	8.6	18.0	21.6	38.0	45.0	24.0
6"	9.0	24.0	28.8	48.0	60.0	30.0

Average installation hours per 100 ft.

(REF: 2019–2020 NECA Manual of Labor Units)

* Reduce labor units for 20-foot lengths by 10%

ELBOWS

CONDUIT DIAMETER	EPOXY FIBERGLASS*	PVC SCH 40*	PVC SCH 80*	GALVANIZED RIGID STEEL*	PVC-COATED STEEL	ALUMINUM
3/4"	0.5	0.22	0.24	0.4	0.6	0.3
1"	0.6	0.25	0.28	0.5	0.7	0.35
1-1/4"	0.63	0.32	0.36	0.6	0.8	0.4
1-1/2"	0.67	0.4	0.46	0.75	1.0	0.5
2"	0.75	0.5	0.58	1.0	1.2	0.75
2-1/2"	0.82	0.5	0.69	1.5	1.75	1.0
3"	0.9	0.7	0.84	2.0	2.25	1.3
3-1/2"	1.05	0.85	N/A	2.5	2.75	1.6
4"	1.2	1.0	1.2	3.0	3.25	2.0
5"	1.35	1.25	1.5	4.0	4.5	2.5
6"	1.5	1.5	1.8	5.0	5.5	3.0

Average installation

(REF: 2019–2020 NECA Manual of Labor Units)

* Add 20% for long sweep elbows