

33 52 Hydrocarbon Transmission and Distribution

33 52 16 – Gas Hydrocarbon Piping

33 52 16.26 High Density Polyethylene Piping		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
4908	1-1/4" x 1" x 1" diameters	B-20	9	2.667	Ea.	9.20	135		144.20	212
4910	1-1/4" x 1" x 1-1/4" diameters		9	2.667		12.05	135		147.05	215
4912	1-1/4" x 1-1/4" x 3/4" diameters	B-20	9	2.667	Ea.	8.65	135		143.65	212
4914	1-1/4" x 1-1/4" x 1" diameters		9	2.667		9.20	135		144.20	212
4916	1-1/2" x 3/4" x 3/4" diameters		8.50	2.824		15.30	143		158.30	231
4918	1-1/2" x 3/4" x 1" diameters		8.50	2.824		15.30	143		158.30	231
4920	1-1/2" x 3/4" x 1-1/4" diameters		8.50	2.824		15.30	143		158.30	231
4922	1-1/2" x 3/4" x 1-1/2" diameters		8.50	2.824		15.30	143		158.30	231
4924	1-1/2" x 1" x 3/4" diameters		8.50	2.824		15.30	143		158.30	231
4926	1-1/2" x 1" x 1" diameters		8.50	2.824		15.30	143		158.30	231
4928	1-1/2" x 1" x 1-1/4" diameters		8.50	2.824		15.30	143		158.30	231
4930	1-1/2" x 1" x 1-1/2" diameters		8.50	2.824		15.30	143		158.30	231
4932	1-1/2" x 1-1/4" x 3/4" diameters		8.50	2.824		12.85	143		155.85	228
4934	1-1/2" x 1-1/4" x 1" diameters		8.50	2.824		12.70	143		155.70	228
4936	1-1/2" x 1-1/4" x 1-1/4" diameters		8.50	2.824		12.85	143		155.85	228
4938	1-1/2" x 1-1/4" x 1-1/2" diameters		8.50	2.824		15.30	143		158.30	231
4940	1-1/2" x 1-1/2" x 3/4" diameters		8.50	2.824		11.95	143		154.95	227
4942	1-1/2" x 1-1/2" x 1" diameters		8.50	2.824		11.95	143		154.95	227
4944	1-1/2" x 1-1/2" x 1-1/4" diameters		8.50	2.824		11.95	143		154.95	227
4946	2" x 1-1/4" x 3/4" diameters		8	3		13.90	152		165.90	242
4948	2" x 1-1/4" x 1" diameters		8	3		13.45	152		165.45	242
4950	2" x 1-1/4" x 1-1/4" diameters		8	3		14	152		166	242
4952	2" x 1-1/2" x 3/4" diameters		8	3		13.90	152		165.90	242
4954	2" x 1-1/2" x 1" diameters		8	3		13.45	152		165.45	242
4956	2" x 1-1/2" x 1-1/4" diameters		8	3		13.45	152		165.45	242
4958	2" x 2" x 3/4" diameters		8	3		13.85	152		165.85	242
4960	2" x 2" x 1" diameters		8	3		13.60	152		165.60	242
4962	2" x 2" x 1-1/4" diameters		8	3		13.95	152		165.95	242
8100	Fittings, accessories									
8105	SDR 11, IPS unless noted CTS									
8110	Flange adapters, 2" x 6" long	1 Skwk	32	.250	Ea.	19.30	14.75		34.05	43
8115	3" x 6" long		32	.250		24	14.75		38.75	48.50
8120	4" x 6" long		24	.333		30	19.65		49.65	62.50
8135	Backup flanges, 2" diameter		32	.250		24.50	14.75		39.25	49
8140	3" diameter		32	.250		33	14.75		47.75	58.50
8145	4" diameter		24	.333		65	19.65		84.65	101
8200	Tapping tees, test caps									
8205	Type II, yellow polyethylene cap	1 Skwk	45	.178	Ea.	55	10.45		65.45	75.50
8210	High volume, black polyethylene cap		45	.178		70.50	10.45		80.95	93
8215	Quick connector, female x female inlets, 1/4" N.P.T.		50	.160		22.50	9.40		31.90	39
8220	Test hose, 24" length, 3/8" ID, male outlets, 1/4" N.P.T.		50	.160		31	9.40		40.40	48
8225	Quick connector and test hose assembly		50	.160		54	9.40		63.40	73
8300	Threaded transition fittings									
8302	HDPE x MPT zinc plated steel, SDR 7, 1/2" CTS x 1/2" MPT	B-22C	30	.533	Ea.	37.50	28	8.30	73.80	92
8304	SDR 9.3, 1/2" IPS x 3/4" MPT		28.50	.561		50	29.50	8.75	88.25	109
8306	SDR 11, 3/4" IPS x 3/4" MPT		28.50	.561		24.50	29.50	8.75	62.75	80.50
8308	1" IPS x 1" MPT		27	.593		32	31	9.25	72.25	91.50
8310	1-1/4" IPS x 1-1/4" MPT		27	.593		51	31	9.25	91.25	113
8312	1-1/2" IPS x 1-1/2" MPT		25.50	.627		59	33	9.75	101.75	125
8314	2" IPS x 2" MPT		24	.667		67.50	35	10.40	112.90	138
8322	HDPE x MPT 316 stainless steel, SDR 11, 3/4" IPS x 3/4" MPT		28.50	.561		32.50	29.50	8.75	70.75	89.50
8324	1" IPS x 1" MPT		27	.593		33.50	31	9.25	73.75	93.50
8326	1-1/4" IPS x 1-1/4" MPT		27	.593		41	31	9.25	81.25	102