

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		
4628	2" x 1" outlet	B-20	12	2	Ea.	16.20	101		117.20	169
4630	2" x 1-1/4" outlet		11	2.182		29	111		140	197
4632	3" x 1/2" CTS outlet		12	2		13.90	101		114.90	166
4634	3" x 1/2" outlet		12	2		13.90	101		114.90	166
4636	3" x 3/4" outlet		12	2		13.90	101		114.90	166
4638	3" x 1" outlet		12	2		16.20	101		117.20	169
4640	3" x 1-1/4" outlet		11	2.182		29	111		140	197
4642	4" x 1/2" CTS outlet		10	2.400		13.90	122		135.90	197
4644	4" x 1/2" outlet		10	2.400		13.90	122		135.90	197
4646	4" x 3/4" outlet		10	2.400		13.90	122		135.90	197
4648	4" x 1" outlet		10	2.400		16.20	122		138.20	200
4650	4" x 1-1/4" outlet		9	2.667		29	135		164	234
4675	For protective sleeves, 1/2" to 3/4" diameter outlets, add					1.07			1.07	1.1
4680	1" diameter outlets, add					1.79			1.79	1.9
4685	1-1/4" diameter outlets, add					3.08			3.08	3.3
4700	Tapping tees, high volume, socket fusion outlets									
4705	1-1/2" punch, 2" x 1-1/4" outlet	B-20	11	2.182	Ea.	136	111		247	315
4710	1-7/8" punch, 3" x 1-1/4" outlet	"	11	2.182	"	136	111		247	315
4715	4" x 1-1/4" outlet	B-20	9	2.667	Ea.	136	135		271	350
4750	For protective sleeves, add				"	3.60			3.60	3.9
4800	Service saddles, saddle contour x outlet, socket fusion outlets									
4801	IPS unless noted CTS									
4802	1-1/4" x 1/2" CTS outlet	B-20	17	1.412	Ea.	7.30	71.50		78.80	115
4804	1-1/4" x 1/2" outlet		17	1.412		7.30	71.50		78.80	115
4806	1-1/4" x 3/4" outlet		17	1.412		7.30	71.50		78.80	115
4808	1-1/4" x 1" outlet		16	1.500		8.60	76		84.60	123
4810	1-1/4" x 1-1/4" outlet		16	1.500		12.20	76		88.20	127
4812	1-1/2" x 1/2" CTS outlet		16	1.500		7.30	76		83.30	122
4814	1-1/2" x 1/2" outlet		16	1.500		7.30	76		83.30	122
4816	1-1/2" x 3/4" outlet		16	1.500		7.30	76		83.30	122
4818	1-1/2" x 1-1/4" outlet		15	1.600		12.20	81		93.20	134
4820	2" x 1/2" CTS outlet		12	2		7.30	101		108.30	159
4822	2" x 1/2" outlet		12	2		7.30	101		108.30	159
4824	2" x 3/4" outlet		12	2		7.30	101		108.30	159
4826	2" x 1" outlet		11	2.182		8.60	111		119.60	174
4828	2" x 1-1/4" outlet		11	2.182		12.20	111		123.20	178
4830	3" x 1/2" CTS outlet		12	2		7.30	101		108.30	159
4832	3" x 1/2" outlet		12	2		7.30	101		108.30	159
4834	3" x 3/4" outlet		12	2		7.30	101		108.30	159
4836	3" x 1" outlet		11	2.182		8.60	111		119.60	174
4838	3" x 1-1/4" outlet		11	2.182		12.20	111		123.20	178
4840	4" x 1/2" CTS outlet		10	2.400		7.30	122		129.30	190
4842	4" x 1/2" outlet		10	2.400		7.30	122		129.30	190
4844	4" x 3/4" outlet		10	2.400		7.30	122		129.30	190
4846	4" x 1" outlet		9	2.667		8.60	135		143.60	211
4848	4" x 1-1/4" outlet		9	2.667		12.20	135		147.20	215
4880	For protective sleeves, 1/2" to 3/4" diameter outlets, add					1.07			1.07	1.1
4885	1" diameter outlets, add					1.79			1.79	1.9
4890	1-1/4" diameter outlets, add					3.08			3.08	3.3
4900	Reducer tees, 1-1/4" x 3/4" x 3/4" diameters	B-20	9	2.667		9.30	135		144.30	212
4902	1-1/4" x 3/4" x 1" diameters		9	2.667		12.05	135		147.05	215
4904	1-1/4" x 3/4" x 1-1/4" diameters		9	2.667		12.05	135		147.05	215
4906	1-1/4" x 1" x 3/4" diameters		9	2.667		12.05	135		147.05	215