

33 52 Hydrocarbon Transmission and Distribution

33 52 16 – Gas Hydrocarbon Piping

33 52 16.23 Medium Density Polyethylene Piping		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
2605	80psi coils, compression coupling @ 100', 1/2" CTS diameter, SDR 7	B-20	2250	.011	L.F.	.44	.54		.98	1.29
2610	1" CTS diameter, SDR 11.5		2175	.011		.59	.56		1.15	1.49
2615	80psi coils, compression coupling @ 100', IPS 1/2" diameter, SDR 9.3		2175	.011		.52	.56		1.08	1.41
2620	3/4" diameter, SDR 11		2100	.011		.70	.58		1.28	1.64
2625	1" diameter, SDR 11	↓	2025	.012	↓	1.04	.60		1.64	2.05
3000	Fittings, butt fusion									
3010	SDR 11, IPS unless noted CTS									
3100	Caps, 3/4" diameter	B-22C	28.50	.561	Ea.	3.95	29.50	8.75	42.20	58
3105	1" diameter		27	.593		3.64	31	9.25	43.89	60.50
3110	1-1/4" diameter		27	.593		5.80	31	9.25	46.05	63
3115	1-1/2" diameter		25.50	.627		3.37	33	9.75	46.12	63.50
3120	2" diameter		24	.667		11.65	35	10.40	57.05	76
3125	3" diameter		24	.667		16.50	35	10.40	61.90	81.50
3130	4" diameter		18	.889		30	46.50	13.85	90.35	118
3200	Reducers, 1" x 3/4" diameters		13.50	1.185		14.05	62	18.45	94.50	128
3205	1-1/4" x 1" diameters		13.50	1.185		15.65	62	18.45	96.10	130
3210	1-1/2" x 3/4" diameters		12.75	1.255		20.50	65.50	19.55	105.55	142
3215	1-1/2" x 1" diameters		12.75	1.255		17.35	65.50	19.55	102.40	139
3220	1-1/2" x 1-1/4" diameters		12.75	1.255		17.35	65.50	19.55	102.40	139
3225	2" x 1" diameters		12	1.333		17.75	69.50	21	108.25	147
3230	2" x 1-1/4" diameters		12	1.333		17.75	69.50	21	108.25	147
3235	2" x 1-1/2" diameters		12	1.333		20.50	69.50	21	111	150
3240	3" x 2" diameters		12	1.333		20.50	69.50	21	111	150
3245	4" x 2" diameters		9	1.778		33	93	27.50	153.50	206
3250	4" x 3" diameters		9	1.778		29.50	93	27.50	150	202
3300	Elbows, 90°, 3/4" diameter		14.25	1.123		4.93	58.50	17.50	80.93	113
3302	1" diameter		13.50	1.185		6.05	62	18.45	86.50	120
3304	1-1/4" diameter		13.50	1.185		11.55	62	18.45	92	126
3306	1-1/2" diameter		12.75	1.255		10.10	65.50	19.55	95.15	131
3308	2" diameter		12	1.333		17.30	69.50	21	107.80	146
3310	3" diameter		12	1.333		32.50	69.50	21	123	163
3312	4" diameter		9	1.778		40	93	27.50	160.50	214
3350	45°, 3" diameter		12	1.333		32.50	69.50	21	123	163
3352	4" diameter		9	1.778		40	93	27.50	160.50	214
3400	Tees, 3/4" diameter		9.50	1.684		20	88	26	134	183
3405	1" diameter		9	1.778		6.05	93	27.50	126.55	176
3410	1-1/4" diameter		9	1.778		15.65	93	27.50	136.15	187
3415	1-1/2" diameter		8.50	1.882		19	98.50	29.50	147	200
3420	2" diameter		8	2		20	105	31	156	212
3425	3" diameter		8	2		36.50	105	31	172.50	230
3430	4" diameter	↓	6	2.667	↓	56.50	139	41.50	237	315
3500	Tapping tees, high volume, butt fusion outlets									
3505	1-1/2" punch, 2" x 2" outlet	B-22C	11	1.455	Ea.	134	76	22.50	232.50	286
3510	1-7/8" punch, 3" x 2" outlet		11	1.455		134	76	22.50	232.50	286
3515	4" x 2" outlet	↓	9	1.778		134	93	27.50	254.50	315
3550	For protective sleeves, add				↓	3.60			3.60	3.96
3600	Service saddles, saddle contour x outlet, butt fusion outlets									
3602	1-1/4" x 3/4" outlet	B-22C	17	.941	Ea.	22.50	49	14.65	86.15	114
3604	1-1/4" x 1" outlet		17	.941		8.10	49	14.65	71.75	98.50
3606	1-1/4" x 1-1/4" outlet		16	1		8.10	52.50	15.55	76.15	104
3608	1-1/2" x 3/4" outlet		16	1		8.10	52.50	15.55	76.15	104
3610	1-1/2" x 1-1/4" outlet		15	1.067		21.50	55.50	16.60	93.60	126
3612	2" x 3/4" outlet	↓	12	1.333	↓	8.10	69.50	21	98.60	136