

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
		B-20			Ea.		Labor	Equipment		
4234	2" x 3/4" diameters		12	2		12.15	101		113.15	164
4236	2" x 1" CTS diameters		12	2		12	101		113	164
4238	2" x 1" diameters		12	2		13.05	101		114.05	165
4240	2" x 1-1/4" diameters		12	2		11.90	101		112.90	164
4242	2" x 1-1/2" diameters		12	2		10.35	101		111.35	162
4244	3" x 2" diameters		12	2		14.35	101		115.35	167
4246	4" x 2" diameters		9	2.667		30	135		165	235
4248	4" x 3" diameters		9	2.667		34	135		169	240
4300	Couplings, 1/2" CTS diameter		15	1.600		2.20	81		83.20	123
4305	1/2" diameter		14.25	1.684		1.83	85.50		87.33	130
4310	3/4" diameter		14.25	1.684		2.05	85.50		87.55	130
4315	1" CTS diameter		14	1.714		2.48	87		89.48	133
4320	1" diameter		13.50	1.778		2.09	90		92.09	137
4325	1-1/4" diameter		13.50	1.778		2.51	90		92.51	138
4330	1-1/2" diameter		12.75	1.882		2.97	95.50		98.47	146
4335	2" diameter		12	2		2.59	101		103.59	154
4340	3" diameter		12	2		19.75	101		120.75	173
4345	4" diameter		9	2.667		28.50	135		163.50	233
4400	Elbows, 90°, 1/2" CTS diameter		15	1.600		4.16	81		85.16	126
4405	1/2" diameter		14.25	1.684		4.09	85.50		89.59	133
4410	3/4" diameter		14.25	1.684		4.83	85.50		90.33	133
4415	1" CTS diameter		14	1.714		4.65	87		91.65	135
4420	1" diameter		13.50	1.778		5.15	90		95.15	141
4425	1-1/4" diameter		13.50	1.778		4.93	90		94.93	140
4430	1-1/2" diameter		12.75	1.882		6.20	95.50		101.70	150
4435	2" diameter		12	2		5.10	101		106.10	157
4440	3" diameter		12	2		27	101		128	181
4445	4" diameter		9	2.667		69.50	135		204.50	279
4460	45°, 1" diameter		13.50	1.778		8.30	90		98.30	144
4465	2" diameter		12	2		11.15	101		112.15	163
4500	Tees, 1/2" CTS diameter		10	2.400		3.98	122		125.98	186
4505	1/2" diameter		9.50	2.526		3.53	128		131.53	195
4510	3/4" diameter		9.50	2.526		4.75	128		132.75	196
4515	1" CTS diameter		9.33	2.571		4.65	130		134.65	200
4520	1" diameter		9	2.667		5.80	135		140.80	208
4525	1-1/4" diameter		9	2.667		6.45	135		141.45	209
4530	1-1/2" diameter		8.50	2.824		10.65	143		153.65	226
4535	2" diameter		8	3		12.75	152		164.75	241
4540	3" diameter		8	3		39	152		191	270
4545	4" diameter		6	4		73	203		276	385
4600	Tapping tees, type II, 3/4" punch, socket fusion outlets									
4601	Saddle contour x outlet diameter, IPS unless noted CTS									
4602	1-1/4" x 1/2" CTS outlet	B-20	17	1.412	Ea.	14.60	71.50		86.10	123
4604	1-1/4" x 1/2" outlet		17	1.412		14.60	71.50		86.10	123
4606	1-1/4" x 3/4" outlet		17	1.412		14.60	71.50		86.10	123
4608	1-1/4" x 1" CTS outlet		17	1.412		15.95	71.50		87.45	125
4610	1-1/4" x 1" outlet		17	1.412		15.95	71.50		87.45	125
4612	1-1/4" x 1-1/4" outlet		16	1.500		27	76		103	144
4614	1-1/2" x 1/2" CTS outlet		16	1.500		14.60	76		90.60	130
4616	1-1/2" x 1/2" outlet		16	1.500		14.60	76		90.60	130
4618	1-1/2" x 3/4" outlet		16	1.500		14.60	76		90.60	130
4620	1-1/2" x 1" CTS outlet		16	1.500		15.95	76		91.95	132
4622	1-1/2" x 1" outlet		16	1.500		15.95	76		91.95	132