

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		
3390	1-1/4" diameter	B-22C	13.50	1.185	Ea.	8.25	62	18.45	88.70	122
3395	1-1/2" diameter		12.75	1.255		10.75	65.50	19.55	95.80	131
3400	2" diameter		12	1.333		12.05	69.50	21	102.55	140
3405	3" diameter		12	1.333		20.50	69.50	21	111	150
3410	4" diameter		9	1.778		25.50	93	27.50	146	198
3505	Tees, 1/2" CTS diameter		10	1.600		9.90	83.50	25	118.40	163
3510	1/2" diameter		9.50	1.684		10.95	88	26	124.95	173
3515	3/4" diameter		9.50	1.684		8.10	88	26	122.10	170
3520	1" diameter		9	1.778		8.80	93	27.50	129.30	179
3525	1-1/4" diameter		9	1.778		9.30	93	27.50	129.80	180
3530	1-1/2" diameter		8.50	1.882		15.30	98.50	29.50	143.30	196
3535	2" diameter		8	2		12.15	105	31	148.15	203
3540	3" diameter		8	2		22.50	105	31	158.50	215
3545	4" diameter		6	2.667		33	139	41.50	213.50	290
3600	Tapping tees, type II, 3/4" punch, butt fusion outlets									
3601	Saddle contour x outlet diameter, IPS unless noted CTS									
3602	1-1/4" x 1/2" CTS outlet	B-22C	17	.941	Ea.	13.90	49	14.65	77.55	105
3604	1-1/4" x 1/2" outlet		17	.941		13.90	49	14.65	77.55	105
3606	1-1/4" x 3/4" outlet		17	.941		13.90	49	14.65	77.55	105
3608	1-1/4" x 1" outlet		17	.941		16.20	49	14.65	79.85	107
3610	1-1/4" x 1-1/4" outlet		16	1		29	52.50	15.55	97.05	127
3612	1-1/2" x 1/2" CTS outlet		16	1		13.90	52.50	15.55	81.95	110
3614	1-1/2" x 1/2" outlet		16	1		13.90	52.50	15.55	81.95	110
3616	1-1/2" x 3/4" outlet		16	1		13.90	52.50	15.55	81.95	110
3618	1-1/2" x 1" outlet		16	1		16.20	52.50	15.55	84.25	113
3620	1-1/2" x 1-1/4" outlet		15	1.067		29	55.50	16.60	101.10	134
3622	2" x 1/2" CTS outlet		12	1.333		13.90	69.50	21	104.40	142
3624	2" x 1/2" outlet		12	1.333		13.90	69.50	21	104.40	142
3626	2" x 3/4" outlet		12	1.333		13.90	69.50	21	104.40	142
3628	2" x 1" outlet		12	1.333		16.20	69.50	21	106.70	145
3630	2" x 1-1/4" outlet		11	1.455		29	76	22.50	127.50	171
3632	3" x 1/2" CTS outlet		12	1.333		13.90	69.50	21	104.40	142
3634	3" x 1/2" outlet		12	1.333		13.90	69.50	21	104.40	142
3636	3" x 3/4" outlet		12	1.333		13.90	69.50	21	104.40	142
3638	3" x 1" outlet		12	1.333		16.20	69.50	21	106.70	145
3640	3" x 1-1/4" outlet		11	1.455		16.20	76	22.50	114.70	157
3642	4" x 1/2" CTS outlet		10	1.600		13.90	83.50	25	122.40	168
3644	4" x 1/2" outlet		10	1.600		13.90	83.50	25	122.40	168
3646	4" x 3/4" outlet		10	1.600		13.90	83.50	25	122.40	168
3648	4" x 1" outlet		10	1.600		16.20	83.50	25	124.70	170
3650	4" x 1-1/4" outlet		9	1.778		29	93	27.50	149.50	202
3675	For protective sleeves, 1/2" to 3/4" diameter outlets, add					1.07			1.07	1.18
3680	1" diameter outlets, add					1.79			1.79	1.97
3685	1-1/4" diameter outlets, add					3.08			3.08	3.39
3700	Tapping tees, high volume, butt fusion outlets									
3705	1-1/2" punch, 2" x 2" outlet	B-22C	11	1.455	Ea.	136	76	22.50	234.50	289
3710	1-7/8" punch, 3" x 2" outlet		11	1.455		136	76	22.50	234.50	289
3715	4" x 2" outlet		9	1.778		136	93	27.50	256.50	320
3750	For protective sleeves, add					3.60			3.60	3.96
3800	Service saddles, saddle contour x outlet, butt fusion outlets									
3801	IPS unless noted CTS									
3802	1-1/4" x 3/4" outlet	B-22C	17	.941	Ea.	8.25	49	14.65	71.90	98.50
3804	1-1/4" x 1" outlet		16	1		8.25	52.50	15.55	76.30	104