

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		
4624	1-1/2" x 1-1/4" outlet	B-20	15	1,600	Ea.	27	81		108	151
4626	2" x 1/2" CTS outlet		12	2		14.60	101		115.60	167
4628	2" x 1/2" outlet		12	2		14.60	101		115.60	167
4630	2" x 3/4" outlet		12	2		14.60	101		115.60	167
4632	2" x 1" CTS outlet		12	2		15.95	101		116.95	169
4634	2" x 1" outlet		12	2		15.95	101		116.95	169
4636	2" x 1-1/4" outlet		11	2,182		27	111		138	195
4638	3" x 1/2" CTS outlet		12	2		14.60	101		115.60	167
4640	3" x 1/2" outlet		12	2		14.60	101		115.60	167
4642	3" x 3/4" outlet		12	2		14.60	101		115.60	167
4644	3" x 1" CTS outlet		12	2		15.95	101		116.95	169
4646	3" x 1" outlet		12	2		15.95	101		116.95	169
4648	3" x 1-1/4" outlet		11	2,182		27	111		138	195
4650	4" x 1/2" CTS outlet		10	2,400		14.60	122		136.60	198
4652	4" x 1/2" outlet		10	2,400		14.60	122		136.60	198
4654	4" x 3/4" outlet		10	2,400		14.60	122		136.60	198
4656	4" x 1" CTS outlet		10	2,400		15.95	122		137.95	200
4658	4" x 1" outlet		10	2,400		15.95	122		137.95	200
4660	4" x 1-1/4" outlet		9	2,667		27	135		162	232
4685	For protective sleeves, 1/2" CTS to 3/4" diameter outlets, add					1.07			1.07	1.10
4690	1" CTS & IPS diameter outlets, add					1.79			1.79	1.90
4695	1-1/4" diameter outlets, add					3.08			3.08	3.30
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.	134	111		245	310
4710	1-7/8" punch, 3" x 1-1/4" outlet		11	2,182		134	111		245	310
4715	4" x 1-1/4" outlet		9	2,667		134	135		269	350
4750	For protective sleeves, add					3.60			3.60	3.90
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.	4.52	71.50		76.02	112
4804	1-1/4" x 1/2" outlet	B-20	17	1,412	Ea.	4.52	71.50		76.02	112
4806	1-1/4" x 3/4" outlet		17	1,412		4.52	71.50		76.02	112
4808	1-1/4" x 1" CTS outlet		17	1,412		7.45	71.50		78.95	115
4810	1-1/4" x 1" outlet		17	1,412		22.50	71.50		94	132
4812	1-1/4" x 1-1/4" outlet		16	1,500		12	76		88	127
4814	1-1/2" x 1/2" CTS outlet		16	1,500		4.52	76		80.52	119
4816	1-1/2" x 1/2" outlet		16	1,500		4.52	76		80.52	119
4818	1-1/2" x 3/4" outlet		16	1,500		22.50	76		98.50	139
4820	1-1/2" x 1-1/4" outlet		15	1,600		12	81		93	134
4822	2" x 1/2" CTS outlet		12	2		4.52	101		105.52	156
4824	2" x 1/2" outlet		12	2		4.52	101		105.52	156
4826	2" x 3/4" outlet		12	2		4.52	101		105.52	156
4828	2" x 1" CTS outlet		12	2		7.45	101		108.45	159
4830	2" x 1" outlet		12	2		7.45	101		108.45	159
4832	2" x 1-1/4" outlet		11	2,182		22.50	111		133.50	190
4834	3" x 1/2" CTS outlet		12	2		4.52	101		105.52	156
4836	3" x 1/2" outlet		12	2		4.52	101		105.52	156
4838	3" x 3/4" outlet		12	2		4.52	101		105.52	156
4840	3" x 1" CTS outlet		12	2		7.45	101		108.45	159
4842	3" x 1" outlet		12	2		7.45	101		108.45	159
4844	3" x 1-1/4" outlet		11	2,182		19.15	111		130.15	186
4846	4" x 1/2" CTS outlet		10	2,400		4.52	122		126.52	187
4848	4" x 1/2" outlet		10	2,400		4.52	122		126.52	187