

Amerlux Pole EPA Data

AMERLUX SERIES	SHAFT DESCRIPTION	MODEL #	EPA's (2009 AASHTO 25yr Design Life)						Max. Fixture Weight
			90 mph	100 mph	110 mph	120 mph	130 mph	140 mph	
4" Extruded Series	Round Tapered 4" x .125"	APRT4-10	8.4	6.6	6.0	4.9	3.9	3.2	100
		APRT4-12	6.2	4.8	4.3	3.4	2.7	2.1	80
		APRT4-14	4.8	3.5	3.1	2.3	1.7	1.2	45
		APRT4-16	3.4	2.3	2.1	1.3	0.0	0.0	55
	Round Straight 4" x .125"	APRS4-10	8.2	6.4	5.8	4.6	3.7	3.1	100
		APRS4-12	6.0	4.5	4.1	3.1	2.3	1.9	70
		APRS4-14	4.4	3.1	2.8	1.9	1.3	0.9	40
		APRS4-16	3.1	2.0	1.7	1.0	0.0	0.0	40
	Straight Fluted 4" x .125"	APFS4-10	11.8	9.2	8.4	6.8	5.5	4.5	100
		APFS4-12	8.8	6.8	6.2	4.8	3.7	3.0	100
		APFS4-14	6.8	5.0	4.5	3.4	2.5	1.8	70
		APFS4-16	5.2	3.6	3.2	2.2	1.4	0.0	55

ABILENE 17	Round Tapered 4" x .125"	AP1302-10	12.70	10.00	9.20	7.40	6.00	5.00	100
		AP1302-12	9.90	7.60	7.00	5.40	4.40	3.60	100
		AP1302-14	7.80	5.80	5.20	4.00	3.00	2.40	40
		AP1302-16	6.00	4.30	3.90	2.80	1.90	1.40	55
	Straight Fluted 4" x .125"	AP1303-10	11.4	8.9	8.2	6.6	5.3	4.4	100
		AP1303-12	9.0	6.8	6.2	4.8	3.8	3.0	100
		AP1303-14	7.0	5.2	4.7	3.5	2.6	2.0	80
		AP1303-16	5.4	3.8	3.4	2.3	1.6	1.0	40
	Round Straight 4" x .125"	AP1304-10	12.7	10.0	9.2	7.4	6.0	5.0	100
		AP1304-12	9.9	7.6	7.0	5.4	4.4	3.6	100
		AP1304-14	7.8	5.8	5.2	4.0	3.0	2.4	40
		AP1304-16	6.0	4.3	3.9	2.8	1.9	1.4	55
	Straight Fluted 5" x .125"	AP1305-10	11.0	8.4	7.8	6.2	5.1	4.2	100
		AP1305-12	8.4	6.2	5.8	4.5	3.6	2.8	100
		AP1305-14	6.4	4.6	4.1	3.1	2.3	1.7	40
		AP1305-16	4.6	3.0	2.7	1.8	1.2	0.8	40

SAN DIEGO 17	Round Tapered 4" x .125"	AP1702-10	15.8	12.6	11.6	9.6	8.0	6.8	100
		AP1702-12	11.8	9.2	8.4	6.8	5.6	4.7	100
		AP1702-14	8.9	6.8	6.2	4.9	3.9	3.2	100
		AP1702-16	6.7	5.0	4.5	3.4	2.5	2.0	80
	Straight Fluted 4" x .125"	AP1703-10	14.4	11.4	10.6	8.6	7.2	6.0	100
		AP1703-12	10.8	8.5	7.8	6.3	5.1	4.2	100
		AP1703-14	8.2	6.3	5.8	4.5	3.5	2.8	100
		AP1703-16	6.4	4.7	4.2	3.1	2.3	1.7	60
	Round Straight 4" x .125"	AP1704-10	15.8	12.6	11.6	9.6	8.0	6.8	100
		AP1704-12	11.8	9.2	8.4	6.8	5.6	4.7	100
		AP1704-14	8.9	6.8	6.2	4.9	3.9	3.2	100
		AP1704-16	6.7	5.0	4.5	3.4	2.5	2.0	80
	Straight Fluted 5" x .125"	AP1705-10	14.4	11.2	10.4	8.4	7.0	5.8	100
		AP1705-12	11.4	8.6	8.0	6.4	5.2	4.2	100
		AP1705-14	8.8	6.6	6.0	4.6	3.6	2.8	100
		AP1705-16	6.8	4.8	4.2	3.2	2.4	1.8	40

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MANKATO 16	Round Tapered 4" x .125"	AP2122-10	13.8	10.8	10.0	8.2	6.7	5.7	100
		AP2122-12	10.4	8.0	7.4	5.9	4.7	3.9	100
		AP2122-14	7.9	6.0	5.4	4.2	3.2	2.6	100
		AP2122-16	6.0	4.4	4.0	2.9	2.1	1.6	60
	Straight Fluted 4" x .125"	AP2123-10	12.6	10.0	9.2	7.5	6.2	5.1	100
		AP2123-12	9.6	7.4	6.8	5.4	4.4	3.5	100
		AP2123-14	7.4	5.6	5.1	3.9	3.0	2.3	85
		AP2123-16	5.7	4.1	3.7	2.7	1.9	1.3	45
	Round Straight 4" x .125"	AP2124-10	13.8	10.8	10.0	8.2	6.7	5.7	100
		AP2124-12	10.4	8.0	7.4	5.9	4.7	3.9	100
		AP2124-14	7.9	6.0	5.4	4.2	3.2	2.6	100
		AP2124-16	6.0	4.4	4.0	2.9	2.1	1.6	60
	Straight Fluted 5" x .125"	AP2125-10	12.8	10.0	9.2	7.4	6.2	5.1	100
		AP2125-12	10.0	7.6	7.0	5.5	4.4	3.6	100
		AP2125-14	7.8	5.6	5.2	4.0	3.0	2.4	40
		AP2125-16	5.8	4.0	3.6	2.6	1.8	1.3	40
AUSTIN	Round Tapered 4" x .125"	AP2602-10	11.4	8.9	8.2	6.6	5.4	4.5	100
		AP2602-12	8.7	6.6	6.0	4.8	3.7	3.1	100
		AP2602-14	6.7	5.0	4.5	3.4	2.5	1.9	80
		AP2602-16	5.2	3.7	3.3	2.3	1.5	1.1	40
	Straight Fluted 4" x .125"	AP2603-10	10.6	8.3	7.6	6.1	5.0	4.1	100
		AP2603-12	8.2	6.2	5.7	4.4	3.4	2.7	100
		AP2603-14	6.4	4.7	4.2	3.1	2.3	1.7	60
		AP2603-16	4.9	3.4	3.0	2.1	1.3	0.0	45
	Round Straight 4" x .125"	AP2604-10	11.4	8.9	8.2	6.6	5.4	4.5	100
		AP2604-12	8.7	6.6	6.0	4.8	3.7	3.1	100
		AP2604-14	6.7	5.0	4.5	3.4	2.5	1.9	80
		AP2604-16	5.2	3.7	3.3	2.3	1.5	1.1	40
PHILADELPHIA 11	Round Tapered 4" x .125"	AP3202-10	14.6	11.6	10.8	8.8	7.3	6.2	100
		AP3202-12	11.0	8.6	7.8	6.3	5.1	4.3	100
		AP3202-14	8.4	6.4	5.8	4.5	3.5	2.9	100
		AP3202-16	6.4	4.7	4.2	3.1	2.3	1.8	70
	Straight Fluted 4" x .125"	AP3203-10	13.4	10.6	9.8	8.0	6.6	5.5	100
		AP3203-12	10.2	8.0	7.3	5.8	4.7	3.9	100
		AP3203-14	7.8	5.9	5.4	4.2	3.3	2.6	100
		AP3203-16	6.0	4.4	3.9	2.9	2.1	1.5	60
	Round Straight 4" x .125"	AP3204-10	14.6	11.6	10.8	8.8	7.3	6.2	100
		AP3204-12	11.0	8.6	7.8	6.3	5.1	4.3	100
		AP3204-14	8.4	6.4	5.8	4.5	3.5	2.9	100
		AP3204-16	6.4	4.7	4.2	3.1	2.3	1.8	70

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			90 mph	100 mph	110 mph	120 mph	130 mph	140 mph	
SPRINGFIELD	Round Tapered 4" x .125"	AP4032-10	19.8	15.8	14.8	12.2	10.2	8.8	100
		AP4032-12	14.2	11.2	10.4	8.5	7.0	6.0	100
		AP4032-14	10.4	8.2	7.5	6.0	4.8	4.0	100
		AP4032-16	7.8	5.9	5.4	4.2	3.2	2.6	100
	Straight Fluted 4" x .125"	AP4033-10	17.6	14.0	13.0	10.8	9.0	7.7	100
		AP4033-12	13.0	10.2	9.4	7.8	6.4	5.3	100
		AP4033-14	9.6	7.5	6.9	5.5	4.4	3.6	100
		AP4033-16	7.4	5.5	5.0	3.9	3.0	2.3	85
	Round Straight 4" x .125"	AP4034-10	19.8	15.8	14.8	12.2	10.2	8.8	100
		AP4034-12	14.2	11.2	10.4	8.5	7.0	6.0	100
		AP4034-14	10.4	8.2	7.5	6.0	4.8	4.0	100
		AP4034-16	7.8	5.9	5.4	4.2	3.2	2.6	100
COLUMBIA	Round Tapered 4" x .125"	AP7203-10	14.6	11.8	11.0	9.2	7.7	6.6	100
		AP7203-12	11.8	9.4	8.7	7.2	6.0	5.1	100
		AP7203-14	9.4	7.4	6.8	5.6	4.6	3.8	100
		AP7203-16	7.5	5.8	5.4	4.3	3.5	2.8	100
	Round Straight 4" x .125"	AP7204-10	14.6	11.6	10.8	9.0	7.6	6.5	100
		AP7204-12	11.6	9.2	8.6	7.0	5.9	5.0	100
		AP7204-14	9.2	7.2	6.7	5.4	4.4	3.7	100
		AP7204-16	7.4	5.6	5.2	4.1	3.3	2.7	100
MANHATTAN	Round Tapered 4" x .125"	AP7402-10	18.0	14.2	13.2	10.8	8.9	7.6	100
		AP7402-12	13.8	10.8	10.0	8.2	6.7	5.7	100
		AP7402-14	10.2	7.9	7.2	5.8	4.6	3.9	100
		AP7402-16	7.6	5.7	5.2	4.0	3.1	2.5	100
	Straight Fluted 4" x .125"	AP7403-10	16.2	12.8	11.8	9.6	8.0	6.6	100
		AP7403-12	12.6	9.9	9.2	7.4	6.0	5.0	100
		AP7403-14	9.4	7.2	6.6	5.3	4.2	3.5	100
		AP7403-16	7.1	5.4	4.8	3.7	2.8	2.2	85
	Round Straight 4" x .125"	AP7404-10	18.0	14.2	13.2	10.8	8.9	7.6	100
		AP7404-12	13.8	10.8	10.0	8.2	6.7	5.7	100
		AP7404-14	10.2	7.9	7.2	5.8	4.6	3.9	100
		AP7404-16	7.6	5.7	5.2	4.0	3.1	2.5	100
	Straight Fluted 5" x .125"	AP7405-10	15.8	12.4	11.4	9.4	7.8	6.5	100
		AP7405-12	12.5	9.6	8.8	7.1	5.8	4.8	100
		AP7405-14	9.7	7.2	6.6	5.2	4.2	3.3	100
		AP7405-16	7.5	5.4	4.8	3.7	2.8	2.1	40

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			90 mph	100 mph	110 mph	120 mph	130 mph	140 mph	
HOUSTON	Round Tapered 4" x .125"	AP8502-10	15.2	12.0	11.0	9.0	7.4	6.2	100
		AP8502-12	12.0	9.3	8.6	6.8	5.4	4.6	100
		AP8502-14	9.4	7.2	6.5	5.0	4.0	3.2	100
		AP8502-16	7.4	5.4	4.9	3.6	2.6	2.1	40
	Straight Fluted 4" x .125"	AP8503-10	13.7	10.8	9.9	8.0	6.6	5.4	100
		AP8503-12	10.8	8.4	7.6	6.1	4.8	4.0	100
		AP8503-14	8.5	6.4	5.8	4.4	3.4	2.6	100
		AP8503-16	6.6	4.8	4.3	3.2	2.2	1.6	60
	Round Straight 4" x .125"	AP8504-10	15.2	12.0	11.0	9.0	7.4	6.2	100
		AP8504-12	12.0	9.3	8.6	6.8	5.4	4.6	100
		AP8504-14	9.4	7.2	6.5	5.0	4.0	3.2	100
		AP8504-16	7.4	5.4	4.9	3.6	2.6	2.1	40
	Straight Fluted 5" x .125"	AP8505-10	13.2	10.3	9.5	7.8	6.4	5.3	100
		AP8505-12	10.3	7.8	7.2	5.7	4.6	3.8	100
		AP8505-14	7.9	5.8	5.2	4.0	3.2	2.4	100
		AP8505-16	6.0	4.1	3.6	2.7	2.0	1.4	40

PHILADELPHIA 14	Round Tapered 4" x .125"	AP9202-10	7.7	5.9	5.4	4.3	3.4	2.8	100
		AP9202-12	5.7	4.2	3.8	2.9	2.1	1.7	60
		AP9202-14	4.1	2.9	2.5	1.7	1.1	0.0	40
		AP9202-16	2.8	1.7	1.5	0.0	0.0	0.0	55
	Straight Fluted 4" x .125"	AP9203-10	6.8	5.2	4.7	3.7	2.9	2.3	95
		AP9203-12	5.0	3.7	3.3	2.5	1.8	1.3	45
		AP9203-14	3.6	2.5	2.1	1.4	0.0	0.0	55
		AP9203-16	2.4	1.4	1.1	0.0	0.0	0.0	40
	Round Straight 4" x .125"	AP9204-10	7.7	5.9	5.4	4.3	3.4	2.8	100
		AP9204-12	5.7	4.2	3.8	2.9	2.1	1.7	60
		AP9204-14	4.1	2.9	2.5	1.7	1.1	0.0	40
		AP9204-16	2.8	1.7	1.5	0.0	0.0	0.0	55
	Straight Fluted 5" x .125"	AP9205-10	13.2	10.2	9.5	7.8	6.4	5.4	100
		AP9205-12	10.0	7.7	7.0	5.7	4.6	3.7	100
		AP9205-14	7.8	5.7	5.2	4.0	3.1	2.5	95
		AP9205-16	5.9	4.1	3.7	2.7	2.0	1.4	55