

McWANE POLES



PRODUCT BROCHURE



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STANDING RESILIENT IN AN UNPREDICTABLE WORLD

In an increasingly volatile climate, ductile iron poles are a highly durable and sustainable solution for energy transmission and distribution. McWane Poles is a global leader in manufacturing ductile iron poles, backed by an industry-leading support team.

A GROUNDBREAKING ALTERNATIVE TO CONVENTIONAL UTILITY POLES

Consistent Strength

Unlike wood poles, McWane ductile iron poles are engineered with a minimum yield strength of 42ksi, ultimate yield strength of 60ksi, modulus of elasticity of 24,000ksi, and a minimum percentage of elongation of 10%.

Durability

McWane ductile iron poles have a service life of 75+ years, outlasting both steel and wood.

Low Maintenance

Ductile iron poles give you one less thing to worry about. Because of its strength and composition, ductile iron is highly resistant to wind, storms, and heat from wildfires, as well as completely resistant to rot, insects, freezing weather, and woodpeckers. Maintenance and upkeep are minimal to none.

Simple Installation

Installation is as easy as it gets. Ductile iron poles can be pre-drilled, or if you prefer to drill yourself, it's easy to do so. Many poles can be shipped fully assembled, and others can be shipped in just two pieces and assembled by hand with chain hoists, making them easy to install without heavy machinery.





Environmental Impact

Ductile iron poles are made from 96% recycled material and are 100% recyclable, and unlike wood poles, which are frequently treated with pentachlorophenol, ductile iron is certified to be safe for use in contact with potable water sources. Ductile iron poles weigh less than wood poles and are much lighter than concrete, requiring less energy and fuel to transport and reducing carbon emissions.

Consistent Appearance

McWane Poles are manufactured by centrifugal casting, resulting in highly consistent strength and dimensional control. The consistent appearance of McWane Poles also makes them the ideal solution in residential areas, where they can be matched to existing aesthetics and design.

Advanced Metallurgy

Because of ductile iron's advanced metallurgy, it has the physical strength of steel with the corrosion resistance of cast iron. But unlike cast iron, which is brittle, the added magnesium in ductile iron allows it to bend instead of snapping under pressure.

Quality Control

Our manufacturing facility is ISO 9000 certified for quality management, and we employ multiple controls throughout the process. From the melting point of the iron to shipping the final product, our quality control team performs 23 quality checks on every pole, including spectrometer tests, casting thickness ultrasounds, Permasafe wet gauge inspection, and more.



WHY DUCTILE IRON?

1800
1-800-1-800



SUSTAINABILITY

Sustainability is one of our highest priorities, and McWane Poles are made of over 96% recycled material and are 100% recyclable.

Eco-friendly. From start to finish.

Pentachlorophenol is a manufactured chemical and restricted-use pesticide utilized in industrial applications such as a wood preservative for utility poles. Unlike pentachlorophenol, ductile iron is impermeable to organic contaminants, protecting clean water from environmental spills and the environment from contaminants in wastewater. Our poles are certified by the National Sanitation Foundation (NSF) to be safe for use in contact with potable water sources.

Reducing your carbon footprint.

Ductile iron poles weigh less than wood poles and are much lighter than concrete. Because ductile iron poles are so lightweight and do not require as much energy and fuel to transport, they reduce carbon emissions as well as lower transportation costs.

Reducing deforestation.

Every ductile iron pole saves two to three trees from being cut down, and because ductile iron lasts more than twice as long as wood poles, they don't need to be replaced as frequently, saving even more trees throughout its lifecycle.



FIRE RESISTANCE

Ductile iron poles provide a fireproof, heat-resistant solution for replacing existing lines or expanding service. Ductile iron poles are among the strongest and most fire-resistant utility poles in the United States, more durable than wood and more cost-effective than steel or concrete.

The evidence from independent tests on ductile iron poles concluded the following:

- Ductile iron utility poles proved to be fireproof*, heat resistant, and able to sustain loads well beyond requirements before failure, even after being subject to excessive heat over a sustained amount of time.

- In areas with an increased risk of wildfires, ductile iron utility poles would withstand extreme and prolonged fire/heat applications and heavy loading and emerge undamaged and completely intact.
- Ductile iron poles should be considered by utility companies with distribution and transmission lines in wildfire risk areas for replacement or expansion.

*As demonstrated by the Western Center Fire Center Test and EDM Full-Scale Burn and Bend Test.



LINE HARDENING

Harden your lines and reduce damage.

By hardening your lines, you reduce the risk of cascading failure. Ductile iron poles are engineered for consistent strength, with a minimum yield strength of 42ksi and the ability to bend without breaking under intense load pressure. They are extremely durable as well, outlasting wood and steel with a service life of over 75 years. Because they are resistant to corrosion, they are the perfect solution for extreme weather events.



CORROSION RESISTANCE

Ductile iron is engineered to be proven in corrosive environments. When ductile iron is exposed to oxygen, it forms an oxide layer that protects the metal from further corrosion, resulting in a service life of 75 years or more, which is at least 50 - 100% longer than weathering steel.

Ceramic-epoxy embedment coating.

All poles come with a ceramic-epoxy embedment coating that is applied from one foot above the ground line, down to the base of the pole, and on the inside and outside of the pole. The ceramic-epoxy coating has been used to protect ductile iron in waste pipe applications for decades. The coating will not undercut or peel off, and it is much more robust than urethane coatings.

Resistant to woodpeckers.

Woodpeckers wreak havoc on wood utility poles. They can burrow as deep as four feet into the core of a pole to build their nests,

and they rarely use the same nest twice. Just a few woodpeckers can severely compromise the strength of wood poles, making them vulnerable to storms and weather events. Ductile iron, on the other hand, is impervious to woodpeckers, making them a durable, long-lasting solution in climates where woodpeckers roost.

Mitigating ground line rot.

Wood poles have always been susceptible to ground line decay, and as legislators take action against wood-preserving chemical treatments that leach into the ground and cause serious harm to communities, wood poles have an even shorter lifespan in humid, wet environments. Thanks to the Permasafe finish of our ductile iron poles, they will not rot like wood or rust like steel. That's why our poles have been installed near water sources, like lakes, rivers, and oceans.

TESTIMONIALS



The separate pieces make it easier to set. We don't jack the poles together before install. We install the base, then the tops. This is easier because the weight is less. As well, we can set several bases and then go back and set the tops. This makes for smaller outage windows.



Their resistance to the elements was critical. Probably our greatest contributor to early deterioration for poles is woodpecker infestation. These poles are able to solve that problem.



POLE SIZES

McWane transmission and distribution poles offer the physical strength of steel with the corrosion resistance of cast iron, creating a versatile pole that has the benefits of both.

Our poles are manufactured to meet minimum tip load and moment capacity equivalents of wood poles under NESC Grade B construction. We provide poles in the following classes.

See the tables below for complete information.

CLASS 3

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	C3030	42	745	6.0	11.3	1.95	43.9	5.5
35	C3035	42	885	6.0	11.9	1.95	52.7	6.0
40	C3040	36	1140	6.0	12.8	1.95	62.4	6.0
45	C3045	33	1320	6.0	13.8	1.95	71.2	6.5
50	C3050	29	1510	6.0	14.4	1.95	80.0	7.0
55	C3055	24	1820	6.0	15.3	1.95	88.7	7.5
60	C3060	22	2030	6.0	16.3	1.95	97.5	8.0
65	C3065	17	2255	6.0	17.2	1.95	106.3	8.5
70	C3070	14	2720	6.0	17.8	1.95	115.1	9.0
75	C3075	[8]	3025	6.0	18.4	1.95	123.8	9.5
80	C3080	[8]	3350	6.0	19.4	1.95	132.6	10.0
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*

CLASS 2

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	C2030	42	800	6.0	11.2	2.41	54.1	5.5
35	C2035	42	960	6.0	11.7	2.41	64.9	6.0
40	C2040	34	1250	6.0	12.7	2.41	77.0	6.0
45	C2045	29	1465	6.0	13.6	2.41	87.8	6.5
50	C2050	26	1690	6.0	14.6	2.41	98.6	7.0
55	C2055	21	2045	6.0	15.1	2.41	109.4	7.5
60	C2060	19	2300	6.0	16.0	2.41	120.3	8.0
65	C2065	14	2580	6.0	17.0	2.41	131.1	8.5
70	C2070	12	3010	6.0	17.5	2.41	141.9	9.0
75	C2075	[8]	3310	6.0	18.4	2.41	152.7	9.5
80	C2080	[8]	3625	6.0	19.4	2.41	163.5	10.0
85	C2085	[8]	4155	6.0	19.8	2.41	174.4	10.5
90	C2090	[8]	4485	6.0	20.8	2.41	185.2	11.0
95	C2095	[8]	4835	6.0	21.8	2.41	196.0	11.5
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*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*

CLASS 1

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	C1030	36	995	8.7	14.1	2.93	68.5	5.5
35	C1035	36	1150	8.7	14.5	2.93	79.0	6.0
40	C1040	29	1495	8.7	15.5	2.93	93.6	6.0
45	C1045	25	1715	8.7	16.5	2.93	106.8	6.5
50	C1050	22	1915	8.7	17.5	2.93	119.9	7.0
55	C1055	18	2420	8.7	17.9	2.93	133.1	7.5
60	C1060	16	2730	8.7	18.9	2.93	146.3	8.0
65	C1065	12	3015	8.7	19.9	2.93	159.4	8.5
70	C1070	10	3580	8.7	20.3	2.93	172.6	9.0
75	C1075	[8]	3920	8.7	21.3	2.93	185.7	9.5
80	C1080	[8]	4225	8.7	22.3	2.93	198.9	10.0
85	C1085	[8]	4905	8.7	22.7	2.93	212.1	10.5
90	C1090	[6]	5285	8.7	23.7	2.93	225.2	11.0
95	C1095	[6]	5585	8.7	24.7	2.93	238.4	11.5
100	C1100	[6]	6705	8.7	26.5	2.93	251.6	12.0
105	C1105	[5]	7235	8.7	27.3	2.93	265.2	12.5
110	C1110	[5]	7435	8.7	27.3	2.93	278.4	13.0

CLASS H1

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	H1030	36	1145	8.7	14.1	3.51	79.0	5.5
35	H1035	33	1350	8.7	14.5	3.51	94.8	6.0
40	H1040	26	1730	8.7	15.5	3.51	112.3	6.0
45	H1045	22	1995	8.7	16.5	3.51	128.1	6.5
50	H1050	19	2275	8.7	17.5	3.51	143.9	7.0
55	H1055	15	2710	8.7	17.9	3.51	159.7	7.5
60	H1060	15	3015	8.7	18.9	3.51	175.5	8.0
65	H1065	11	3330	8.7	19.9	3.51	191.3	8.5
70	H1070	9	3860	8.7	20.3	3.51	207.1	9.0
75	H1075	[8]	4195	8.7	21.3	3.51	222.9	9.5
80	H1080	[8]	4545	8.7	22.3	3.51	238.7	10.0
85	H1085	[8]	5170	8.7	22.7	3.51	254.5	10.5
90	H1090	[6]	5550	8.7	23.7	3.51	270.3	11.0
95	H1095	[6]	5945	8.7	24.7	3.51	286.1	11.5
100	H1100	[6]	6930	8.7	25.3	3.51	301.9	12.0
105	H1105	[6]	7450	8.7	27.3	3.51	317.7	12.5
110	H1110	[5]	7810	8.7	27.3	3.51	333.5	13.0

CLASS H2

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	H2030	32	1380	8.7	14.2	4.16	93.6	5.5
35	H2035	28	1600	8.7	14.5	4.16	112.3	6.0
40	H2040	21	2085	8.7	15.5	4.16	133.1	6.0
45	H2045	19	2380	8.7	16.5	4.16	151.8	6.5
50	H2050	17	2670	8.7	17.5	4.16	170.6	7.0
55	H2055	14	3225	8.7	17.9	4.16	189.3	7.5
60	H2060	12	3575	8.7	18.9	4.16	208.0	8.0
65	H2065	9	3910	8.7	19.9	4.16	226.7	8.5
70	H2070	8	4570	8.7	20.3	4.16	245.4	9.0
75	H2075	[8]	4960	8.7	21.3	4.16	264.2	9.5
80	H2080	[8]	5315	8.7	22.3	4.16	282.9	10.0
85	H2085	[7]	6085	8.7	22.7	4.16	301.6	10.5
90	H2090	[6]	6545	8.7	23.7	4.16	320.3	11.0
95	H2095	[6]	6940	8.7	24.8	4.16	339.0	11.5
100	H2100	[5]	7955	8.7	25.3	4.16	357.8	12.0
105	H2105	[5]	8475	8.7	27.3	4.16	376.5	12.5
110	H2110	[4]	8790	8.7	27.3	4.16	395.2	13.0

CLASS H3

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	H3030	29	1455	8.7	14.2	4.88	109.7	5.5
35	H3035	25	1700	8.7	14.5	4.88	131.6	6.0
40	H3040	20	2205	8.7	15.5	4.88	156.0	6.0
45	H3045	17	2540	8.7	16.5	4.88	177.9	6.5
50	H3050	15	2885	8.7	17.5	4.88	199.9	7.0
55	H3055	13	3445	8.7	17.9	4.88	221.8	7.5
60	H3060	11	3825	8.7	18.9	4.88	243.8	8.0
65	H3065	9	4235	8.7	19.9	4.88	265.7	8.5
70	H3070	7	4895	8.7	20.3	4.88	287.6	9.0
75	H3075	[8]	5330	8.7	21.3	4.88	309.6	9.5
80	H3080	[7]	5790	8.7	22.3	4.88	331.5	10.0
85	H3085	[7]	6590	8.7	22.7	4.88	353.4	10.5
90	H3090	[6]	7080	8.7	23.7	4.88	375.4	11.0
95	H3095	[6]	7590	8.7	24.8	4.88	397.3	11.5
100	H3100	[5]	8635	8.7	25.3	4.88	419.7	12.0
105	H3105	[4]	9235	8.7	27.3	4.88	441.2	12.5
110	H3110	[4]	9730	8.7	27.3	4.88	463.1	13.0

CLASS H4

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	H4030	25	1730	11.4	16.9	5.66	127.2	5.5
35	H4035	22	2245	11.4	17.2	5.66	152.7	6.0
40	H4040	16	2580	11.4	18.2	5.66	181.0	6.0
45	H4045	15	2930	11.4	19.2	5.66	206.4	6.5
50	H4050	14	3210	11.4	20.3	5.66	231.9	7.0
55	H4055	11	3930	11.4	20.6	5.66	257.3	7.5
60	H4060	10	4325	11.4	21.7	5.66	282.8	8.0
65	H4065	8	4620	11.4	22.7	5.66	308.2	8.5
70	H4070	7	5460	11.4	23.1	5.66	333.6	9.0
75	H4075	[6]	5920	11.4	24.1	5.66	359.1	9.5
80	H4080	[6]	6245	11.4	25.1	5.66	384.5	10.0
85	H4085	[6]	7330	11.4	25.5	5.66	410.0	10.5
90	H4090	[5]	7855	11.4	26.5	5.66	435.4	11.0
95	H4095	[5]	8090	11.4	27.5	5.66	460.9	11.5

CLASS H5

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	H5030	25	1730	11.4	16.9	6.50	146.3	5.5
35	H5035	22	2280	11.4	17.2	6.50	175.5	6.0
40	H5040	16	2645	11.4	18.2	6.50	208.0	6.0
45	H5045	15	3035	11.4	19.2	6.50	237.3	6.5
50	H5050	13	3345	11.4	20.3	6.50	266.5	7.0
55	H5055	10	4170	11.4	20.6	6.50	295.8	7.5
60	H5060	9	4645	11.4	21.7	6.50	325.0	8.0
65	H5065	7	5035	11.4	22.7	6.50	354.3	8.5
70	H5070	6	5975	11.4	23.1	6.50	383.5	9.0
75	H5075	[6]	6510	11.4	24.1	6.50	412.8	9.5
80	H5080	[6]	6925	11.4	25.1	6.50	442.0	10.0
85	H5085	[5]	8080	11.4	25.5	6.50	471.3	10.5
90	H5090	[5]	8680	11.4	26.5	6.50	500.5	11.0
95	H5095	[5]	9065	11.4	27.5	6.50	529.8	11.5

Ductile iron poles offer a unique combination of high value, incredible strength, light weight but still durable and flexible. They don't deteriorate like wood and concrete. These poles are also cost effective & do a better job than anything else the utility has come across. FKEC expects them to last a long, long time.

CLASS H6

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	H6030	16	1810	14.0	19.5	7.41	166.7	5.5
35	H6035	16	2380	14.0	19.9	7.41	200.1	6.0
40	H6040	16	2755	14.0	20.9	7.41	237.1	6.0
45	H6045	14	3160	14.0	21.9	7.41	270.5	6.5
50	H6050	13	3475	14.0	22.3	7.41	303.8	7.0
55	H6055	10	4350	14.0	23.3	7.41	337.2	7.5
60	H6060	9	4840	14.0	24.3	7.41	370.5	8.0
65	H6065	7	5230	14.0	47.7	7.41	403.8	8.5
70	H6070	5	6255	14.0	25.7	7.41	437.2	9.0
75	H6075	[6]	6780	14.0	26.7	7.41	470.5	9.5
80	H6080	[5]	7895	14.0	27.1	7.41	503.9	10.0

CLASS H7

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	H7030	16	1810	14.0	19.5	8.39	188.7	5.5
35	H7035	16	2415	14.0	19.9	8.39	226.4	6.0
40	H7040	15	2840	14.0	20.9	8.39	268.3	6.0
45	H7045	13	3285	14.0	21.9	8.39	306.1	6.5
50	H7050	12	3635	14.0	22.3	8.39	343.8	7.0
55	H7055	10	4555	14.0	23.3	8.39	381.5	7.5
60	H7060	9	5050	14.0	24.3	8.39	419.3	8.0
65	H7065	7	5395	14.0	24.7	8.39	457.0	8.5
70	H7070	5	6795	14.0	25.7	8.39	494.7	9.0
75	H7075	[6]	7590	14.0	26.7	8.39	532.4	9.5
80	H7080	[5]	8900	14.0	27.1	8.39	570.2	10.0

CLASS H8

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	H8030	16	1920	14.0	19.5	9.43	212.1	5.5
35	H8035	16	2605	14.0	19.9	9.43	254.5	6.0
40	H8040	14	3060	14.0	20.9	9.43	301.6	6.0
45	H8045	12	3535	14.0	21.9	9.43	344.0	6.5
50	H8050	11	3895	14.0	22.3	9.43	386.4	7.0
55	H8055	9	4870	14.0	23.3	9.43	428.8	7.5
60	H8060	8	5405	14.0	24.3	9.43	471.3	8.0
65	H8065	6	5910	14.0	24.7	9.43	513.7	8.5
70	H8070	5	7155	14.0	25.7	9.43	556.1	9.0
75	H8075	[5]	8275	14.0	26.7	9.43	598.5	9.5
80	H8080	[4]	9615	14.0	27.1	9.43	640.9	10.0

CLASS H9

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	H9030	16	2270	16.5	22.1	10.53	236.9	5.5
35	H9035	16	3000	16.5	22.4	10.53	284.3	6.0
40	H9040	12	3475	16.5	23.5	10.53	337.0	6.0
45	H9045	9	3975	16.5	24.5	10.53	384.3	6.5
50	H9050	9	4970	16.5	24.9	10.53	431.7	7.0
55	H9055	8	5555	16.5	25.9	10.53	479.1	7.5
60	H9060	7	6160	16.5	26.9	10.53	526.5	8.0
65	H9065	5	7380	16.5	27.6	10.53	573.9	8.5
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*

11.7 KIP

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	11030	16	2270	16.5	22	11.7	263.3	5.5
35	11035	16	3030	16.5	22.3	11.7	315.9	6.0
40	11040	12	3545	16.5	23.4	11.7	374.4	6.0
45	11045	9	4080	16.5	24.4	11.7	427.1	6.5
50	11050	9	5065	16.5	24.7	11.7	479.7	7.0
55	11055	8	5650	16.5	25.7	11.7	532.4	7.5
60	11060	7	6255	16.5	26.7	11.7	585.0	8.0
65	11065	5	7475	16.5	26.9	11.7	637.7	8.5

12.8 KIP

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	12030	21	2270	16.5	22	12.8	288.0	5.5
35	12035	15	2965	16.5	22.3	12.8	345.6	6.0
40	12040	12	3750	16.5	23.4	12.8	409.6	6.0
45	12045	9	4285	16.5	24.4	12.8	467.2	6.5
50	12050	8	5415	16.5	24.7	12.8	524.8	7.0
55	12055	7	6115	16.5	25.7	12.8	582.4	7.5
60	12060	6	6850	16.5	26.7	12.8	640.0	8.0
65	12065	4	8185	16.5	26.9	12.8	697.6	8.5

16 KIP

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	16030	9	2770	16.5	22	16	360.0	5.5
35	16035	9	3775	16.5	22.3	16	432.0	6.0
40	16040	9	4360	19	25.9	16	512.0	6.0
45	16045	9	4970	19	27	16	584.0	6.5
50	16050	7	6190	19	27.1	16	656.6	7.0

20 KIP

Feet	Part No.	Full Truck Qty (2 Pcs.)	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft.)	Stand. Embed Depth (Ft.)
30	20030	9	2985	19	24.6	20	450.0	5.5
35	20035	9	4100	19	24.9	20	540.0	6.0
40	20040	9	4800	19	25.9	20	640.0	6.0
45	20045	8	5530	19	27	20	730.0	6.5
50	20050	6	6865	19	27.1	20	820.0	7.0

TIP LOAD, MINIMUM CAPACITY, KIPS APPLIED 2 FEET BELOW POLE TIP

Length	Class 3	Class 2	Class 1	H1	H2	H3	H4	H5	H6	H7	H8	H9	11.7KIP	12.8KIP	16KIP	20KIP
All	1.95	2.41	2.93	3.51	4.16	4.88	5.66	6.5	7.41	8.39	9.43	10.53	11.7	12.8	16	20

BENDING MOMENT, MINIMUM CAPACITY, KIP-FEET AT GROUND LINE

Length	Class 3	Class 2	Class 1	H1	H2	H3	H4	H5	H6	H7	H8	H9	11.7KIP	12.8KIP	16KIP	20KIP
30	43.9	54.1	65.8	79.0	93.6	109.7	127.2	146.3	166.7	188.7	212.1	236.9	263.3	288.0	360.0	450.0
35	52.7	64.9	79.0	94.8	112.3	131.6	152.7	175.5	200.1	226.4	254.5	284.3	315.9	345.6	432.0	540.0
40	62.4	77.0	93.6	112.3	133.1	156.0	181.0	208.0	237.1	268.3	301.6	337.0	374.4	409.6	512.0	640.0
45	71.2	87.8	106.8	128.1	151.8	177.9	206.4	237.3	270.5	306.1	344.0	384.3	427.1	467.2	584.0	730.0
50	80.0	98.6	119.9	143.9	170.6	199.9	231.9	266.5	303.8	343.8	386.4	431.7	479.7	524.8	656.6	820.0
55	88.7	109.4	133.1	159.7	189.3	221.8	257.3	295.8	337.2	381.5	428.8	479.1	532.4	582.4	*	*
60	97.5	120.3	146.3	175.5	208.0	243.8	282.8	325.0	370.5	419.3	471.3	526.5	585.0	640.0	*	*
65	106.3	131.1	159.4	191.3	226.7	265.7	308.2	354.3	403.8	457.0	513.7	573.9	637.7	697.6	*	*
70	115.1	141.9	172.6	207.1	245.4	287.6	333.6	383.5	437.2	494.7	556.1	*	*	*	*	*
75	123.8	152.7	185.7	222.9	264.2	309.6	359.1	412.8	470.5	532.4	598.5	*	*	*	*	*
80	132.6	163.5	198.9	238.7	282.9	331.5	384.5	442.0	503.9	570.2	640.9	*	*	*	*	*
85	*	174.4	212.1	254.5	301.6	353.4	410.0	471.3	*	*	*	*	*	*	*	*
90	*	185.2	225.2	270.3	320.3	375.4	435.4	500.5	*	*	*	*	*	*	*	*
95	*	196.0	238.4	286.1	339.0	397.3	460.9	529.8	*	*	*	*	*	*	*	*
100	*	*	251.6	301.9	357.8	419.7	*	*	*	*	*	*	*	*	*	*
105	*	*	265.2	317.7	376.5	441.2	*	*	*	*	*	*	*	*	*	*
110	*	*	278.4	333.5	395.2	463.1	*	*	*	*	*	*	*	*	*	*

“Maintenance free poles after installation (we like to call it set it and forget it!!)



“Even though the initial purchase price of ductile iron is more than wood, life-cycle cost comparisons, which include items such as reduced maintenance over all those years as well as lower shipping and installation costs, can more than make up the initial cost difference.

FINISHES & FEATURES

Pole Cap Options



Raptor Cap

- Up to Class H8
- Applicable for bird issues in certain locations



Flat Cap

- Available in all sizes
- Applicable for bird issues in certain locations



Ground Plates

- Integrated ground plates can be provided upon customer request
- Ground plates are used in some cases for added grounding protection below ground line where the embed coating prevents conductivity



Pole Finishes



Coated Finish

- Arc-applied zinc base coat with acrylic topcoat
- Available in gray, black, and brown
- Ideal for urban environments or customers using a hybrid line



Weathered Finish

- Self-protecting
- Great for environments to blend in with other wood poles, woods, and forests

Nameplates



We know that being able to easily identify our poles in the field is important, so each pole is equipped with a nameplate that contains pertinent information related to that specific pole.

Ground Protection

Ceramic Epoxy

All poles come with a ceramic-epoxy embedment coating that is applied from one foot above the ground line, down to the base of the pole, and on the inside and outside of the pole. This is used to protect ductile iron in waste pipe applications and will not undercut or peel off.



RECOMMENDED ACCESSORIES & TOOLS

Hole Plugs



Hole PlugsPLP-0750B (Black)
PLP-0750G (Gray)

Jacking Kit



Jacking Kits Available for Purchase from
McWane Poles

**Poles that are
75' or taller will
arrive in two
pieces. Jacking kit
will be required.**

**Scan QR Code for
Field Assembly
Instructions.**



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HMT 101030-0250 VD TCT Holecutter 1"



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Chris Patterson
cpatterson@tannerbolt.com
609-649-3709

Carlos Perez
cperez@tannerbolt.com
973-356-6908

Contact Us

www.mcwanepoles.com

592 Clow Lane
Coshocton, OH 43812

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