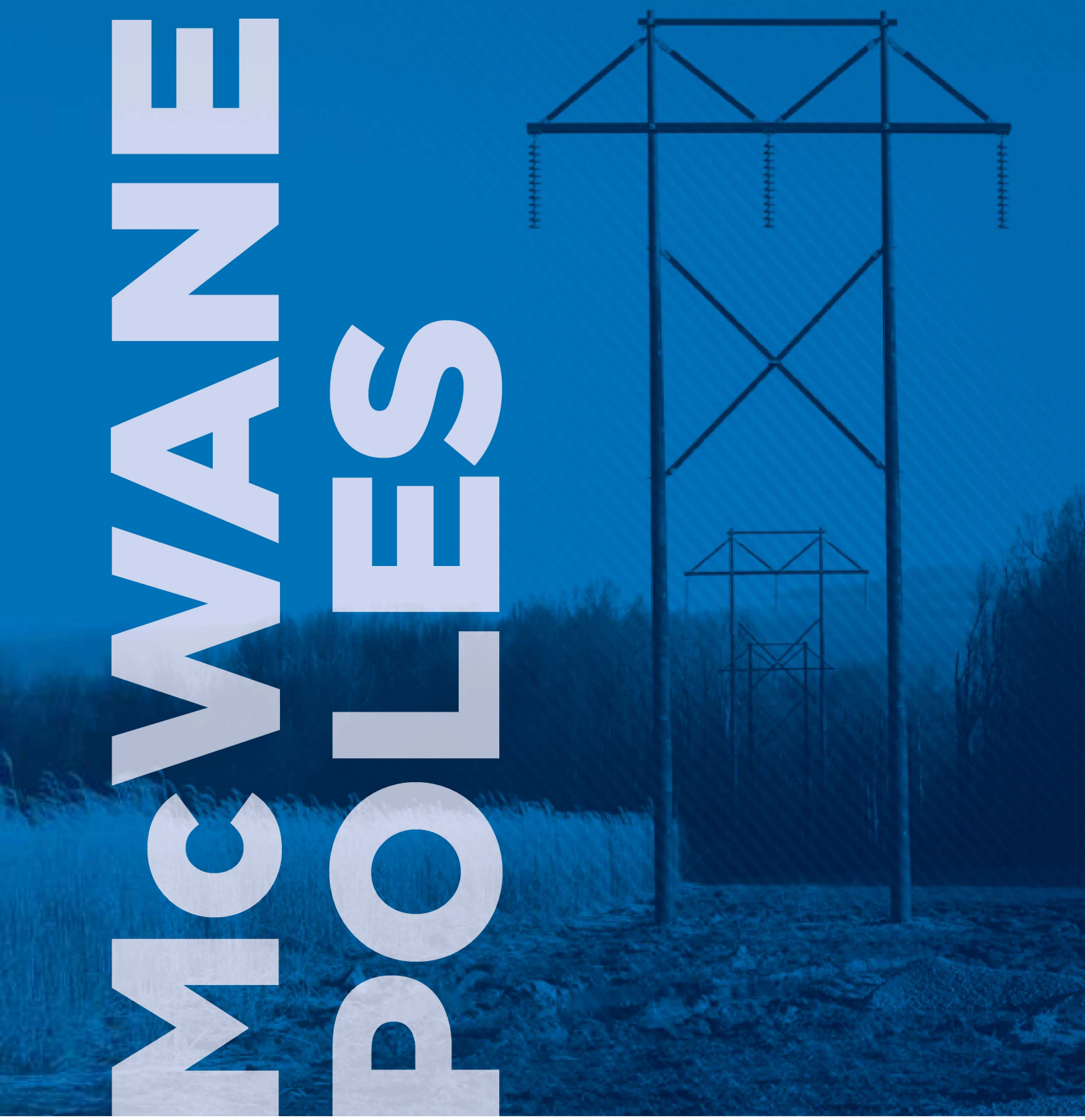
McWANE POLES



PRODUCT BROCHURE

McWANE POLES

Contents

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 make 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?**

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	743	6.0	11.3	1.95	43.9	5.5
35	C3035	42	884	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	1319	6.0	13.8	1.95	71.2	6.5
50	C3050	29	1512	6.0	14.4	1.95	80.0	7.0
55	C3055	24	1819	6.0	15.3	1.95	88.7	7.5
60	C3060	22	2031	6.0	16.3	1.95	97.5	8.0
65	C3065	17	2257	6.0	17.2	1.95	106.3	8.5
70	C3070	14	2722	6.0	17.8	1.95	115.1	9.0
75	C3075	[8]	3026	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	841	6.0	11.2	2.41	54.1	5.5
35	C2035	42	1019	6.0	11.7	2.41	64.9	6.0
40	C2040	34	1293	6.0	12.7	2.41	77.0	6.0
45	C2045	29	1503	6.0	13.6	2.41	87.8	6.5
50	C2050	26	1728	6.0	14.6	2.41	98.6	7.0
55	C2055	21	2081	6.0	15.1	2.41	109.4	7.5
60	C2060	19	2338	6.0	16.0	2.41	120.3	8.0
65	C2065	14	2613	6.0	17.0	2.41	131.1	8.5
70	C2070	12	3044	6.0	17.5	2.41	141.9	9.0
75	C2075	[8]	3343	6.0	18.4	2.41	152.7	9.5
80	C2080	[8]	3658	6.0	19.4	2.41	163.5	10.0
85	C2085	[8]	4186	6.0	19.8	2.41	174.4	10.5
90	C2090	[8]	4515	6.0	20.8	2.41	185.2	11.0
95	C2095	[8]	4816	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	991	8.7	14.1	2.93	68.5	5.5
35	C1035	36	1149	8.7	14.5	2.93	79.0	6.0
40	C1040	29	1496	8.7	15.5	2.93	93.6	6.0
45	C1045	25	1711	8.7	16.5	2.93	106.8	6.5
50	C1050	22	1914	8.7	17.5	2.93	119.9	7.0
55	C1055	18	2417	8.7	17.9	2.93	133.1	7.5
60	C1060	16	2726	8.7	18.9	2.93	146.3	8.0
65	C1065	12	3011	8.7	19.9	2.93	159.4	8.5
70	C1070	10	3578	8.7	20.3	2.93	172.6	9.0
75	C1075	[8]	3918	8.7	21.3	2.93	185.7	9.5
80	C1080	[8]	4223	8.7	22.3	2.93	198.9	10.0
85	C1085	[8]	4904	8.7	22.7	2.93	212.1	10.5
90	C1090	[6]	5287	8.7	23.7	2.93	225.2	11.0
95	C1095	[6]	5586	8.7	24.7	2.93	238.4	11.5
100	C1100	[6]	6100	8.7	26.5	2.93	251.6	12.0
105	C1105	[5]	6580	8.7	27.3	2.93	265.2	12.5
110	C1110	[5]	6760	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	1144	8.7	14.1	3.51	79.0	5.5
35	H1035	33	1351	8.7	14.5	3.51	94.8	6.0
40	H1040	26	1732	8.7	15.5	3.51	112.3	6.0
45	H1045	22	1994	8.7	16.5	3.51	128.1	6.5
50	H1050	19	2274	8.7	17.5	3.51	143.9	7.0
55	H1055	15	2709	8.7	17.9	3.51	159.7	7.5
60	H1060	15	3013	8.7	18.9	3.51	175.5	8.0
65	H1065	11	3331	8.7	19.9	3.51	191.3	8.5
70	H1070	10	3859	8.7	20.3	3.51	207.1	9.0
75	H1075	[8]	4193	8.7	21.3	3.51	222.9	9.5
80	H1080	[8]	4544	8.7	22.3	3.51	238.7	10.0
85	H1085	[8]	5172	8.7	22.7	3.51	254.5	10.5
90	H1090	[6]	5549	8.7	23.7	3.51	270.3	11.0
95	H1095	[6]	5946	8.7	24.7	3.51	286.1	11.5
100	H1100	[6]	6932	8.7	25.3	3.51	301.9	12.0
105	H1105	[6]	7452	8.7	27.3	3.51	317.7	12.5
110	H1110	[5]	7812	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	1381	8.7	14.2	4.16	93.6	5.5
35	H2035	28	1601	8.7	14.5	4.16	112.3	6.0
40	H2040	21	2083	8.7	15.5	4.16	133.1	6.0
45	H2045	19	2382	8.7	16.5	4.16	151.8	6.5
50	H2050	17	2668	8.7	17.5	4.16	170.6	7.0
55	H2055	14	3226	8.7	17.9	4.16	189.3	7.5
60	H2060	12	3576	8.7	18.9	4.16	208.0	8.0
65	H2065	9	3908	8.7	19.9	4.16	226.7	8.5
70	H2070	8	4568	8.7	20.3	4.16	245.4	9.0
75	H2075	[8]	4962	8.7	21.3	4.16	264.2	9.5
80	H2080	[8]	5316	8.7	22.3	4.16	282.9	10.0
85	H2085	[7]	6087	8.7	22.7	4.16	301.6	10.5
90	H2090	[6]	6543	8.7	23.7	4.16	320.3	11.0
95	H2095	[6]	6941	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]	8477	8.7	27.3	4.16	376.5	12.5
110	H2110	[4]	8789	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	1508	8.7	14.2	4.88	109.7	5.5
35	H3035	25	1776	8.7	14.5	4.88	131.6	6.0
40	H3040	20	2256	8.7	15.5	4.88	156.0	6.0
45	H3045	17	2588	8.7	16.5	4.88	177.9	6.5
50	H3050	15	2938	8.7	17.5	4.88	199.9	7.0
55	H3055	13	3492	8.7	17.9	4.88	221.8	7.5
60	H3060	11	3873	8.7	18.9	4.88	243.8	8.0
65	H3065	9	4278	8.7	19.9	4.88	265.7	8.5
70	H3070	7	4938	8.7	20.3	4.88	287.6	9.0
75	H3075	[8]	5371	8.7	21.3	4.88	309.6	9.5
80	H3080	[7]	5830	8.7	22.3	4.88	331.5	10.0
85	H3085	[7]	6629	8.7	22.7	4.88	353.4	10.5
90	H3090	[6]	7116	8.7	23.7	4.88	375.4	11.0
95	H3095	[6]	7627	8.7	24.8	4.88	397.3	11.5
100	H3100	[5]	8665	8.7	25.3	4.88	419.7	12.0
105	H3105	[4]	9261	8.7	27.3	4.88	441.2	12.5
110	H3110	[4]	9806	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	1728	11.4	16.9	5.66	127.2	5.5
35	H4035	22	1970	11.4	17.2	5.66	152.7	6.0
40	H4040	16	2579	11.4	18.2	5.66	181.0	6.0
45	H4045	15	2929	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	3929	11.4	20.6	5.66	257.3	7.5
60	H4060	10	4327	11.4	21.7	5.66	282.8	8.0
65	H4065	8	4618	11.4	22.7	5.66	308.2	8.5
70	H4070	7	5459	11.4	23.1	5.66	333.6	9.0
75	H4075	[6]	5918	11.4	24.1	5.66	359.1	9.5
80	H4080	[6]	6243	11.4	25.1	5.66	384.5	10.0
85	H4085	[6]	7331	11.4	25.5	5.66	410.0	10.5
90	H4090	[5]	7856	11.4	26.5	5.66	435.4	11.0
95	H4095	[5]	8091	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	1728	11.4	16.9	6.50	146.3	5.5
35	H5035	22	1970	11.4	17.2	6.50	175.5	6.0
40	H5040	16	2646	11.4	18.2	6.50	208.0	6.0
45	H5045	15	3036	11.4	19.2	6.50	237.3	6.5
50	H5050	13	3347	11.4	20.3	6.50	266.5	7.0
55	H5055	10	4172	11.4	20.6	6.50	295.8	7.5
60	H5060	9	4647	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	5977	11.4	23.1	6.50	383.5	9.0
75	H5075	[6]	6508	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]	8079	11.4	25.5	6.50	471.3	10.5
90	H5090	[5]	8682	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	1811	14.0	19.5	7.41	166.7	5.5
35	H6035	16	2065	14.0	19.9	7.41	200.1	6.0
40	H6040	16	2757	14.0	20.9	7.41	237.1	6.0
45	H6045	14	3158	14.0	21.9	7.41	270.5	6.5
50	H6050	13	3473	14.0	22.3	7.41	303.8	7.0
55	H6055	10	4348	14.0	23.3	7.41	337.2	7.5
60	H6060	9	4842	14.0	24.3	7.41	370.5	8.0
65	H6065	7	5231	14.0	24.7	7.41	403.8	8.5
70	H6070	5	6257	14.0	25.7	7.41	437.2	9.0
75	H6075	[6]	6779	14.0	26.7	7.41	470.5	9.5
80	H6080	[5]	7896	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	1811	14.0	19.5	8.39	188.7	5.5
35	H7035	16	2065	14.0	19.9	8.39	226.4	6.0
40	H7040	15	2841	14.0	20.9	8.39	268.3	6.0
45	H7045	13	3283	14.0	21.9	8.39	306.1	6.5
50	H7050	12	3636	14.0	22.3	8.39	343.8	7.0
55	H7055	10	4554	14.0	23.3	8.39	381.5	7.5
60	H7060	9	5051	14.0	24.3	8.39	419.3	8.0
65	H7065	7	5394	14.0	24.7	8.39	457.0	8.5
70	H7070	5	6629	14.0	25.7	8.39	494.7	9.0
75	H7075	[6]	7236	14.0	26.7	8.39	532.4	9.5
80	H7080	[5]	8457	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	1919	14.0	19.5	9.43	212.1	5.5
35	H8035	16	2207	14.0	19.9	9.43	254.5	6.0
40	H8040	14	3059	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	H8050	9	4872	14.0	23.3	9.43	428.8	7.5
60	H8060	8	5406	14.0	24.3	9.43	471.3	8.0
65	H8065	6	5785	14.0	24.7	9.43	513.7	8.5
70	H8070	5	7215	14.0	25.7	9.43	556.1	9.0
75	H8075	[5]	7943	14.0	26.7	9.43	598.5	9.5
80	H8080	[4]	9279	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	2271	16.5	22.1	10.53	236.9	5.5
35	H9035	16	2541	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	3973	16.5	24.5	10.53	384.3	6.5
50	H9050	9	4968	16.5	24.9	10.53	431.7	7.0
55	H9055	8	5553	16.5	25.9	10.53	479.1	7.5
60	H9060	7	6161	16.5	26.9	10.53	526.5	8.0
65	H9065	5	7382	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	2271	16.5	22	11.7	263.3	5.5
35	11035	16	2683	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	5066	16.5	24.7	11.7	479.7	7.0
55	11055	8	5649	16.5	25.7	11.7	532.4	7.5
60	11060	7	6256	16.5	26.7	11.7	585.0	8.0
65	11065	5	7477	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	1927	16.5	22	12.8	288	5.5
35	12035	15	2590	16.5	22.3	12.8	345.6	6.0
40	12040	12	3749	16.5	23.4	12.8	409.6	6.0
45	12045	9	4286	16.5	24.4	12.8	467.2	6.5
50	12050	8	5413	16.5	24.7	12.8	524.8	7.0
55	12055	7	6117	16.5	25.7	12.8	582.4	7.5
60	12060	6	6849	16.5	26.7	12.8	640.0	8.0
65	12065	4	8187	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	3079	16.5	22.3	16	432.0	6.0
40	16040	9	4359	19	25.9	16	512.0	6.0
45	16045	9	4968	19	27	16	584.0	6.5
50	16050	7	6190	19	27.1	16	736.0	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	2983	19	24.6	20	450.0	5.5
35	20035	9	3343	19	24.9	20	540.0	6.0
40	20040	9	4798	19	25.9	20	640.0	6.0
45	20045	8	5528	19	27	20	730.0	6.5
50	20050	6	6864	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	226.7	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	736.0	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	40.0	*	*
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	512.8	570.5	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	217.7	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

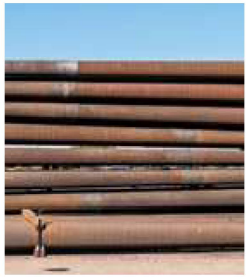
Pole Cap Options

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

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 Plates

- No pole ground wire is needed, as the pole can act as its own ground and grounding plates can be added for additional protection, according to your utility's standards
- Integrated ground plates can be provided upon customer request
- Ground plates are used in some cases for added grounding protection

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 Plugs.....PLP-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.

VersaDrive® TCT HoleCutters

VersaDrive TCT HoleCutters are a high-performance solution for cutting larger diameter holes quickly and effectively.

Recommended for Use With:

Rotary drills only

Not for use with impact tools

HMT 101030-0170 VD TCT Holecutter 11/16"
HMT 101030-0210 VD TCT Holecutter 13/16"
HMT 101030-0240 VD TCT Holecutter 15/16"
HMT 101030-0250 VD TCT Holecutter 1"

HMT 101030P-0001 VD TCT Holecutter Pilot Drills, 2 Pack

VersaDrive® 1/2" Rapid-Lock Impact Wrench Adapter

HMT 111130-012A

This upgraded VersaDrive Impact Wrench adapter features:

- New Rapid-Lock, single-handed loading action
- Improved Quick Release
- High-quality, heavy-duty steel components
- Converts standard 1/2" impact wrenches for use with VersaDrive

IMPACT RATED TOOLS

VersaDrive® TurboTip Impact Drill Bits

HMT 209016-0040

High-Grade Tool Steel / Titanium Coating

Pilot bit for 1/2" Drill & Tap

1/2"-13 VersaDrive® Heavy Duty Impacta Drill & Tap Combo

HMT 301140-0001

VersaDrive Heavy Duty Impacta-Drill Taps are an industrial metalwork or fabrication tool for drilling and tapping heavy steel.

13/16" VersaDrive® ImpactaStep Cutter

9/16, 5/8, 11/16, 3/4, 13/16

HMT 506030-0020

A VersaDrive exclusive innovation, the ImpactaStep Cutter offers combined drilling and reaming on materials up to 1/2" thick.

Featuring five individual cutting diameters and a straight flute design for strength and easy resharpening.

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