



POLES



For Generations

THE STORY OF McWANE POLES comes down to this: we have taken an engineered, tested, and perfected, standard water industry product, ductile iron pipe, and stood it on its head — literally. Now, ductile iron poles are standing tall in the electrical utility industry.

Our patented manufacturing process allows for McWane Ductile Iron Poles to offer engineered strength, dimensional consistency, and natural corrosion resistance. Our poles are impervious to rot, insects, and woodpeckers and are highly fire resistant. Thanks to their lighter weight, McWane Ductile Iron Poles are also less expensive to transport and install. On top of these benefits, we offer a truly GREEN product that is made from recycled material and is 100 percent recyclable. All of this adds up to McWane Ductile Iron Poles being the best overall value in the utility pole market.

Don't just take our word for it. Since 2008, more than 190 utilities in 32 states have bought into the benefits

of ductile iron poles. We have been included in RUS, FEMA, and numerous states' DOT-funded projects. Give McWane Poles a try. You will join the growing list of satisfied customers.

McWANE, INC. – McWane Poles is a division of McWane Inc., a fourth-generation, family-owned company founded in 1921 and located in Birmingham, Alabama. The company has over 5,500 employees on five continents.

McWane has roots in the iron foundry business and has supplied much of the materials for North America's water infrastructure over the last century. The company has grown into a diversified manufacturer, offering water and waste infrastructure products, fire hydrants, fire extinguishers and fire suppression equipment, compressed gas cylinders, and machine-to-machine communication products and services.

A GROUNDBREAKING ALTERNATIVE

TO CONVENTIONAL UTILITY POLES

► WHY McWANE DUCTILE IRON POLES?

LOW MAINTENANCE – McWane ductile iron poles are completely resistant to rot, insects, and woodpeckers, so they require less maintenance than other poles.

LOWER LIFE CYCLE COST – With a 75 to 100-year expected service life and low maintenance requirement, McWane Poles have a lower life cycle cost than other poles.

ENGINEERED CONSISTENCY – McWane Poles are engineered and manufactured for consistent strength and appearance, and they will not shrink or warp over time.

SIMPLE INSTALLATION – McWane Poles weigh 50 percent less than wood poles and 80 percent less than concrete poles, and are much easier to drill than steel, concrete, and fiberglass.

LOW ENVIRONMENTAL IMPACT – McWane Poles are made of 95 percent recycled material and are 100 percent recyclable, and they do not leach harmful chemicals.



McWANE POLES

Finishes and Features

1 Pole Cap Options



▶ **HDPE Raptor Cap**



▶ **HDPE Flat Cap**



▶ **Ductile Iron Flat Cap**

2 Pole Finish Options



▶ **Weathered Finish**
Self-protecting finish



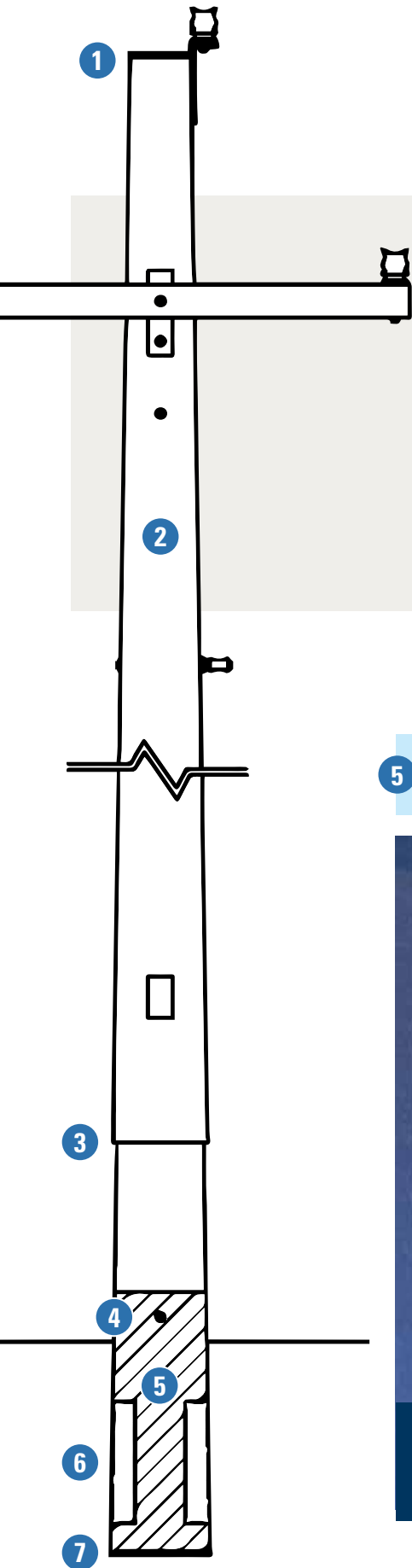
▶ **Coated Finish**
Arc-applied zinc base coat with gray acrylic top coat

3 Pole Joint

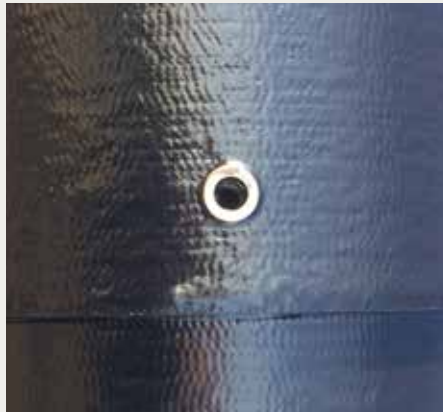


DUCTILE IRON POLES

Finishes and Features



Rivet Nut Ground 4



Ground Plates 6



5 Embed Coating



Ceramic Epoxy

Applied internally and externally from base to 1' above ground standard

Bearing Plate 7



McWANE POLES

Ideal For These Applications and Many More



▶ Corrosive Environments & Coastal Areas



▶ Switch Poles



▶ System Hardening



▶ Lighting Poles



▶ **Asset/Equipment Poles**



▶ **Wetlands and Environmentally Sensitive Areas**



▶ **Substation Transitions**



▶ **Riser Poles**



▶ **Self-Supporting Poles**

POLE SIZES AND INFORMATION

Class 3								
Length (Ft.)	Part No.	Full Truck Qty.	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia. (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft)	ANSI Embed Depth (Ft.)
35	C3035	42	683	6.0	11.9	1.950	52.7	6.0
40	C3040	36	804	6.0	12.8	1.950	62.4	6.0
45	C3045	36	934	6.0	13.8	1.950	71.2	6.5
50	C3050	35	1074	6.0	14.4	1.950	80.0	7.0
55	C3055	26	1271	6.0	15.3	1.950	88.7	7.5
60	C3060	24	1425	6.0	16.3	1.950	97.5	8.0
65	C3065	21	1588	6.0	17.2	1.950	106.3	8.5
70	C3070	18	1832	6.0	17.8	1.950	115.1	9.0
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*	*	*	*	*	*	*	*	*
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*	*	*	*	*	*	*	*	*

Class 2								
Length (Ft.)	Part No.	Full Truck Qty.	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia. (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft)	ANSI Embed Depth (Ft.)
35	C2035	42	825	6.0	11.7	2.405	64.9	6.0
40	C2040	38	977	6.0	12.7	2.405	77.0	6.0
45	C2045	33	1141	6.0	13.6	2.405	87.8	6.5
50	C2050	28	1317	6.0	14.6	2.405	98.6	7.0
55	C2055	21	1565	6.0	15.1	2.405	109.4	7.5
60	C2060	19	1759	6.0	16.0	2.405	120.3	8.0
65	C2065	17	1965	6.0	17.0	2.405	131.1	8.5
70	C2070	15	2270	6.0	17.5	2.405	141.9	9.0
75	C2075	15	2267	6.0	18.4	2.405	152.7	9.5
80	C2080	13	2482	6.0	19.4	2.405	163.5	10.0
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*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*

Class 1								
Length (Ft.)	Part No.	Full Truck Qty.	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia. (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft)	ANSI Embed Depth (Ft.)
35	C1035	39	936	6.0	11.7	2.925	79.0	6.0
40	C1040	34	1086	6.0	12.7	2.925	93.6	6.0
45	C1045	30	1246	6.0	13.6	2.925	106.8	6.5
50	C1050	25	1505	6.0	14.6	2.925	119.9	7.0
55	C1055	20	1680	6.0	15.1	2.925	133.1	7.5
60	C1060	18	1865	6.0	16.0	2.925	146.3	8.0
65	C1065	15	2175	6.0	17.0	2.925	159.4	8.5
70	C1070	14	2373	6.0	17.5	2.925	172.6	9.0
75	C1075	11	3042	6.0	18.5	2.925	185.7	9.5
80	C1080	10	3326	6.0	19.5	2.925	198.9	10.0
85	C1085	9	3769	6.0	19.9	2.925	212.1	10.5
90	C1090	8	4074	6.0	20.9	2.925	225.2	11.0
95	C1095	7	4396	6.0	21.9	2.925	238.4	11.5

Class H 1								
Length (Ft.)	Part No.	Full Truck Qty.	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia. (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft)	ANSI Embed Depth (Ft.)
35	H1035	30	1016	8.7	14.5	3.510	94.8	6.0
40	H1040	25	1274	8.7	15.5	3.510	112.3	6.0
45	H1045	25	1465	8.7	16.5	3.510	128.1	6.5
50	H1050	22	1668	8.7	17.5	3.510	143.9	7.0
55	H1055	17	1975	8.7	17.9	3.510	159.7	7.5
60	H1060	15	2204	8.7	18.9	3.510	175.5	8.0
65	H1065	14	2446	8.7	19.9	3.510	191.3	8.5
70	H1070	12	2816	8.7	20.3	3.510	207.1	9.0
75	H1075	11	3076	8.7	21.3	3.510	222.9	9.5
80	H1080	10	3347	8.7	22.3	3.510	238.7	10.0
85	H1085	9	3783	8.7	22.7	3.510	254.5	10.5
90	H1090	8	4073	8.7	23.7	3.510	270.3	11.0
95	H1095	8	4376	8.7	24.7	3.510	286.1	11.5

Class H 2								
Length (Ft.)	Part No.	Full Truck Qty.	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia. (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft)	ANSI Embed Depth (Ft.)
35	H2035	27	1374	8.7	14.5	4.160	112.3	6.0
40	H2040	23	1598	8.7	15.5	4.160	133.1	6.0
45	H2045	20	1838	8.7	16.5	4.160	151.8	6.5
50	H2050	18	2093	8.7	17.5	4.160	170.6	7.0
55	H2055	14	2464	8.7	17.9	4.160	189.3	7.5
60	H2060	12	2741	8.7	18.9	4.160	208.0	8.0
65	H2065	11	3032	8.7	19.9	4.160	226.7	8.5
70	H2070	10	3478	8.7	20.3	4.160	245.4	9.0
75	H2075	9	3791	8.7	21.3	4.160	264.2	9.5
80	H2080	8	4119	8.7	22.3	4.160	282.9	10.0
85	H2085	7	4644	8.7	22.7	4.160	301.6	10.5
90	H2090	7	4994	8.7	23.7	4.160	320.3	11.0
95	H2095	6	5359	8.7	24.8	4.160	339.0	11.5

Class H 3								
Length (Ft.)	Part No.	Full Truck Qty.	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia. (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft)	ANSI Embed Depth (Ft.)
35	H3035	24	1558	8.7	14.5	4.875	131.6	6.0
40	H3040	21	1813	8.7	15.5	4.875	156.0	6.0
45	H3045	18	2085	8.7	16.5	4.875	177.9	6.5
50	H3050	16	2375	8.7	17.5	4.875	199.9	7.0
55	H3055	12	2796	8.7	17.9	4.875	221.8	7.5
60	H3060	11	3110	8.7	18.9	4.875	243.8	8.0
65	H3065	10	3441	8.7	19.9	4.875	265.7	8.5
70	H3070	8	3947	8.7	20.3	4.875	287.6	9.0
75	H3075	8	4302	8.7	21.3	4.875	309.6	9.5
80	H3080	7	4675	8.7	22.3	4.875	331.5	10.0
85	H3085	6	5270	8.7	22.7	4.875	353.4	10.5
90	H3090	6	5666	8.7	23.7	4.875	375.4	11.0
95	H3095	5	6081	8.7	24.8	4.875	397.3	11.5

Beige fill denotes poles that will be available later in 2015.

Class H 4								
Length (Ft.)	Part No.	Full Truck Qty.	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia. (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft)	ANSI Embed Depth (Ft.)
35	H4035	22	1716	11.4	17.2	5.655	152.7	6.0
40	H4040	19	1982	11.4	18.2	5.655	181.0	6.0
45	H4045	17	2263	11.4	19.2	5.655	206.4	6.5
50	H4050	14	2705	11.4	20.3	5.655	231.9	7.0
55	H4055	11	3007	11.4	20.6	5.655	257.3	7.5
60	H4060	10	3324	11.4	21.7	5.655	282.8	8.0
65	H4065	9	3658	11.4	22.7	5.655	308.2	8.5
70	H4070	8	4200	11.4	23.1	5.655	333.6	9.0
75	H4075	7	4567	11.4	24.1	5.655	359.1	9.5
80	H4080	7	4950	11.4	25.1	5.655	384.5	10.0
85	H4085	6	5573	11.4	25.5	5.655	410.0	10.5
90	H4090	5	5978	11.4	26.5	5.655	435.4	11.0
95	H4095	5	6399	11.4	27.5	5.655	460.9	11.5

Class H 5								
Length (Ft.)	Part No.	Full Truck Qty.	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia. (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft)	ANSI Embed Depth (Ft.)
35	H5035	22	1727	11.4	17.2	6.500	175.5	6.0
40	H5040	19	2010	11.4	18.2	6.500	208.0	6.0
45	H5045	16	2310	11.4	19.2	6.500	237.3	6.5
50	H5050	14	2764	11.4	20.3	6.500	266.5	7.0
55	H5055	11	3180	11.4	20.6	6.500	295.8	7.5
60	H5060	9	3573	11.4	21.7	6.500	325.0	8.0
65	H5065	8	3985	11.4	22.7	6.500	354.3	8.5
70	H5070	7	4634	11.4	23.1	6.500	383.5	9.0
75	H5075	6	5072	11.4	24.1	6.500	412.8	9.5
80	H5080	6	5528	11.4	25.1	6.500	442.0	10.0
85	H5085	5	6288	11.4	25.5	6.500	471.3	10.5
90	H5090	5	6783	11.4	26.5	6.500	500.5	11.0
95	H5095	4	7299	11.4	27.5	6.500	529.8	11.5

Class H 6								
Length (Ft.)	Part No.	Full Truck Qty.	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia. (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft)	ANSI Embed Depth (Ft.)
35	H6035	20	1797	14.0	19.9	7.410	200.1	6.0
40	H6040	18	2082	14.0	20.9	7.410	237.1	6.0
45	H6045	16	2383	14.0	21.9	7.410	270.5	6.5
50	H6050	13	2900	14.0	22.3	7.410	303.8	7.0
55	H6055	10	3266	14.0	23.3	7.410	337.2	7.5
60	H6060	9	3649	14.0	24.3	7.410	370.5	8.0
65	H6065	8	4288	14.0	24.7	7.410	403.8	8.5
70	H6070	7	4694	14.0	25.7	7.410	437.2	9.0
75	H6075	6	5115	14.0	26.7	7.410	470.5	9.5
80	H6080	6	5848	14.0	27.1	7.410	503.9	10.0
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*	*	*	*	*	*	*	*	*

8.39 Kips								
Length (Ft.)	Part No.	Full Truck Qty.	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia. (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft)	ANSI Embed Depth (Ft.)
35	H7035	20	1827	14.0	19.9	8.385	226.4	6.0
40	H7040	17	2154	14.0	20.9	8.385	268.3	6.0
45	H7045	15	2497	14.0	21.9	8.385	306.1	6.5
50	H7050	12	3069	14.0	22.3	8.385	343.8	7.0
55	H7055	10	3458	14.0	23.3	8.385	381.5	7.5
60	H7060	9	3867	14.0	24.3	8.385	419.3	8.0
65	H7065	7	4564	14.0	24.7	8.385	457.0	8.5
70	H7070	7	5020	14.0	25.7	8.385	494.7	9.0
75	H7075	6	5496	14.0	26.7	8.385	532.4	9.5
80	H7080	5	6320	14.0	27.1	8.385	570.2	10.0
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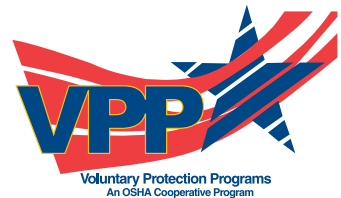
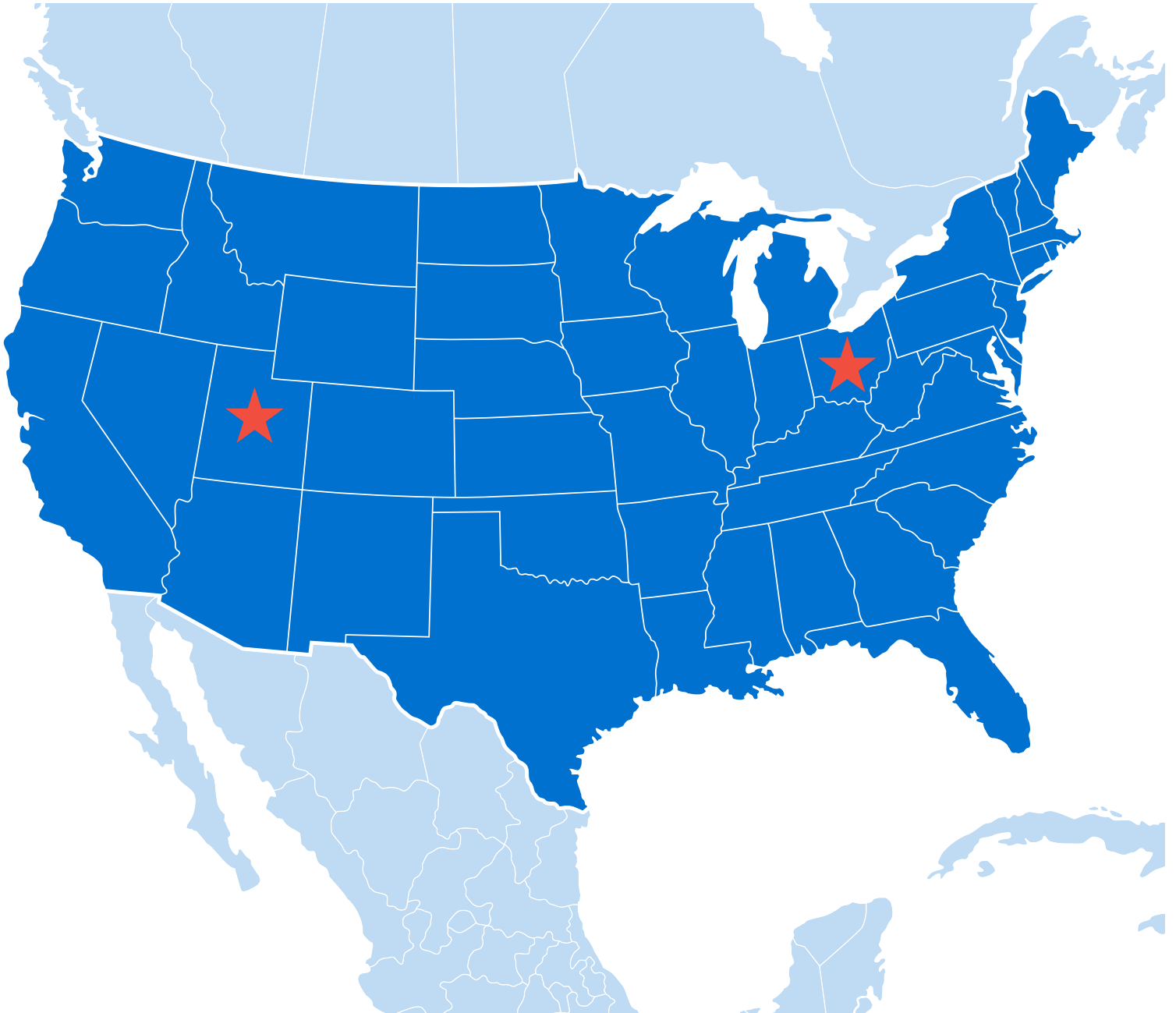
9.43 Kips								
Length (Ft.)	Part No.	Full Truck Qty.	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia. (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft)	ANSI Embed Depth (Ft.)
35	H835	19	1950	14.0	19.9	9.425	254.5	6.0
40	H840	16	2308	14.0	20.9	9.425	301.6	6.0
45	H845	14	2684	14.0	21.9	9.425	344.0	6.5
50	H850	11	3309	14.0	22.3	9.425	386.4	7.0
55	H855	9	3732	14.0	23.3	9.425	428.8	7.5
60	H860	8	4176	14.0	24.3	9.425	471.3	8.0
65	H865	7	4941	14.0	24.7	9.425	513.7	8.5
70	H870	6	5447	14.0	25.7	9.425	556.1	9.0
75	H875	5	5975	14.0	26.7	9.425	598.5	9.5
80	H880	5	6886	14.0	27.1	9.425	640.9	10.0

10.53 Kips								
Length (Ft.)	Part No.	Full Truck Qty.	Stand. Weight (Lbs.)	Tip Dia. (In.)	Base Dia. (In.)	Allow. Tip Load (Kips)	Ground Line Capacity (Kip-Ft)	ANSI Embed Depth (Ft.)
35	H935	16	2145	16.5	22.4	10.53	284.3	6.0
40	H940	12	2514	16.5	23.5	10.53	337.0	6.0
45	H945	12	2900	16.5	24.5	10.53	384.3	6.5
50	H950	10	3561	16.5	24.9	10.53	431.7	7.0
55	H955	8	3996	16.5	25.9	10.53	479.1	7.5
60	H960	7	4449	16.5	26.9	10.53	526.5	8.0
65	H965	6	5227	16.5	27.6	10.53	573.9	8.5
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- * Class poles are designed to wood pole equivalency, Grade B construction.
- * Unpublished pole sizes are available upon request. Please contact your local McWane Poles Regional Sales Manager or Manufacturers' Representative for more information.
- * Product Patent Information: US Patent Nos. 8,186,421; D629,531; and D617,471

MADE IN THE USA

in Provo, Utah and Coshocton, Ohio.





► READ WHAT OUR CUSTOMERS ARE SAYING

BEST SOLUTION “...Ductile iron poles offer a unique combination of high value, incredible strength, light weight, durability, and flexibility...and they will not deteriorate like wood and concrete...they are more cost effective and do a better job than anything else the utility has come across. FKEC expects them to last a long, long time.”

– Keith Kropf, PE — Director of Engineering at Florida Keys Electric Coop. Assoc.

EASY TO INSTALL “...McWane Poles are much easier to work with. Only my two biggest line trucks can install concrete poles. This causes a backlog of work for pole installations. With McWane Poles, every line truck can perform an installation.”

– Zane Howard, PE — Engineering Systems at Knoxville Utilities Board

MORE RELIABLE “Our guys are singing praises of this pole. All the insulators were stripped off the pole...I don't believe any other pole we use in this application would have survived undamaged like this one [after a large hickory tree fell on power lines, breaking wood poles on either side of a McWane pole].”

– Bart Borden — VP of Operations at Cleveland Utilities

Tip Load, Minimum Capacity, Kips Applied 2 Feet below Tip

LENGTH	CLASS 3	CLASS 2	CLASS 1	H1	H2	H3	H4	H5	H6	8.39 KIPS	9.43 KIPS	10.53 KIPS
ALL	1.95	2.41	2.93	3.51	4.16	4.88	5.66	6.50	7.41	8.39	9.43	10.53

Bending Moment, Minimum Capacity, Kip-Feet at Ground Line*

LENGTH	CLASS 3	CLASS 2	CLASS 1	H1	H2	H3	H4	H5	H6	8.39 KIPS	9.43 KIPS	10.53 KIPS
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
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
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
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
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
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
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
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
70	115.1	141.9	172.6	207.1	245.4	287.6	333.6	383.5	437.2	494.7	556.1	*
75	*	152.7	185.7	222.9	264.2	309.6	359.1	412.8	470.5	532.4	598.5	*
80	*	163.5	198.9	238.7	282.9	331.5	384.5	442.0	503.9	570.2	640.9	*
85	*	*	212.1	254.5	301.6	353.4	410.0	471.3	*	*	*	*
90	*	*	225.2	270.3	320.3	375.4	435.4	500.5	*	*	*	*
95	*	*	238.4	286.1	339.0	397.3	460.9	529.8	*	*	*	*

