

# ELECTRICAL CONDUIT

MEETS ANSI/UL 651 AND NEMA TC-2, TC-6 AND TC-8



*Building essentials  
for a better tomorrow™*



# ELECTRICAL CONDUIT

PVC Rigid Non-Metallic Conduit for Electrical Systems  
Schedule 40 and Schedule 80  
Power and Communication Duct 0.5" - 6"

Schedule 40 Utility  
PVC "Gas Sleeve" Pipe  
Eagle Loc Electrical Conduit



# ELECTRICAL CONDUIT

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# 01

## PRODUCT DESCRIPTION

### ELECTRICAL CONDUIT

FOR USE IN POWER, TELEPHONE AND OTHER ELECTRICAL DUCT SYSTEMS

#### DESCRIPTION

JM Eagle™ offers a complete line of Electrical Conduit and Power Duct pipe products that includes: Schedule 40 and 80 Conduit (NEMA TC-2, ANSI/UL651), Encased and Direct Burial Conduit (ASTM F512, NEMA TC-6 & 8 and/or ANSI/UL 651A), and Type C Telephone Duct.



#### LONG LAYING LENGTHS

All JM Eagle™ Electrical Conduit and Power Duct pipe products are offered in 20- and/or 10-foot standard laying lengths. This means that more ground can be covered during installation while eliminating the cost of unnecessary joints.

#### APPLICATIONS

JM Eagle™ produces a wide variety of conduit pipe suitable for most applications. JM Eagle™ Schedule 40 and 80 products are rated for 90°C conductors and conform to ANSI/UL 651 and NEMA TC-2. This conduit is designed with safety in mind and can be used in a variety of everyday applications. In addition, JM Eagle™ offers complimentary lines of encased and direct-burial conduits for use in outdoor applications where ASTM F512, NEMA TC-6 & 8, and/or ANSI/UL 651A specifications are required. To round out the product line, JM Eagle™ offers telephone duct for networking applications. JM Eagle™ telephone duct is made in compliance with ASTM F512 and/or other specified specifications for consistency and safety.

#### QUALITY CONTROL

JM Eagle™ pipe is tested in accordance with the provisions of the appropriate listed standard(s) and subject to inspection by its quality control inspectors throughout the manufacturing process. JM Eagle's Quality Management System is ISO 9001:2000 registered.\* Copies of the registration certificates are available on its website at <http://www.jmeagle.com>.

\* JM Eagle™ has achieved the ISO 9001-2000 registration of Quality Management System for all locations.



#### CORROSION RESISTANCE

JM Eagle™ Electrical Conduit and Power Duct is unaffected by electrolytic or galvanic corrosion, or any known corrosive soil or water condition.

#### SMOOTH INTERIOR

This PVC pipe has a smooth interior that allows for wires to be pulled through easily without hanging or binding. JM Eagle™ pipe is carefully designed and manufactured to provide an interior surface that will not nick or tear the wiring insulation.



### SAVE IN HANDLING COSTS

JM Eagle™ PVC Electrical Conduit is designed for installed-cost savings. In most instances, there is no need for costly installation equipment. Since PVC pipe can be installed with solvent weld fittings and elbows, minimizing the need to carry around pipe benders or threaders.

### FIELD CUTTING AND BEVELING

You can cut JM Eagle™ PVC Electrical Conduit and Power Duct pipe with a power saw or an ordinary hand-saw. The pipe can also be beveled.

### LIGHT WEIGHT

A 20-foot length of 6-inch Schedule 40 PVC Electrical Conduit weighs approximately 78 pounds. That makes it easy to load, easy to transport, and easy to handle. Installers prefer it because it goes into the ground quickly, thus saving on installation costs.



### SERVICE LIFE

Since PVC does not corrode and is resistant to most chemicals, the pipe does not lose strength due to either water corrosion or external galvanic soil conditions. In addition, it is non-conductive and provides an additional insulation barrier to minimize electrical interference from high power lines. PVC has a very high melt index and is a self-extinguishing material. As a result, PVC conduit may prevent ignition of fires from shorted wires or bad circuits.



### INSTALLATION

This product should be installed in accordance with JM Eagle's Publication JME-07B, "Solvent Weld and Conduit Installation Guide," and all applicable building codes.

### I.P.S. O.D.

Available in ½-inch through 6-inch-diameter sizes, this pipe can be connected directly to most existing fixtures and conduits without complicated procedures or adapters. I.P.S. fittings and devices are widely available throughout the U.S.

### ACCESSORIES

JM Eagle™ PVC Electrical Conduit and Power Duct pipe is compatible with all the items required for smooth installation of an electrical power or telephone duct system.

# 02

## SHORT FORM SPECIFICATION

### ELECTRICAL CONDUIT AND POWER DUCT

#### SCOPE

This specification designates general requirements for ½-inch through 6-inch-diameter unplasticized PVC Electrical Conduit and Power Duct pipe for the conveyance of electrical wires in above/below ground and/or indoor applications.

#### MATERIALS

JM Eagle™ Schedule 40 and 80 Electrical Conduit is made from quality PVC resin, compounded to provide physical and mechanical properties as defined in ANSI/UL 651 and NEMA TC-2. JM Eagle™ Encased and Direct Burial Conduit is made from quality PVC resin, compounded to provide physical and mechanical properties as defined in ASTM F512, NEMA TC-6 & 8 and/or ANSI/UL 651A.

#### STANDARD LAYING LENGTHS

The standard laying length is 10 or 20 feet for all sizes depending on the product and shipping location.

#### PIPE

JM Eagle™ electrical products are suitable for use as electrical conduit and/or power duct. Provisions must be made for expansion and contraction of the pipe structure. The bell section shall be designed to meet the requirements of the appropriate specification for the pipe. Sizes and dimensions shall be as shown in this specification.

For product installation notes and procedures, please refer to JM Eagle™ Publication JME-07B, "Solvent Weld and Conduit Installation Guide."

#### EXPANSION AND CONTRACTION

PVC non-metallic conduit will expand and contract with temperature variations. The amount of movement due to temperature changes can be determined from the chart on the following pages. The coefficient of thermal expansion of JM Eagle™ PVC conduit is  $3.0 \times 10^{-5}$  in/ in/°F. If major temperature variations are expected, the use of expansion joints should be considered and should be installed in accordance with the engineer's design.

#### PRODUCT LOADING CHARTS

Updates on bundle size and loading chart information are available on page 16 or at [www.jmeagle.com](http://www.jmeagle.com).





## SCHEDULE 40 AND SCHEDULE 80 CONDUIT

JM Eagle's Schedule 40 and Schedule 80 PVC rigid nonmetallic conduit is designed and produced for use in both above-ground and underground installations.

### JM EAGLE'S PVC SCHEDULE 40 AND 80 CONDUIT OFFERS:

- Highest quality control standards.
- Compliance to ANSI/UL 651 and NEMA TC-2.
- Rated for use with 90 °C conductors.
- Light weight.
- Ultraviolet protection.
- High impact and deformation properties.
- Solvent cemented joints.
- Superior dielectric strength.
- Smooth solid wall.
- Easy installation.

### JM EAGLE™ PVC SCHEDULE 40 AND 80 CONDUIT IS MANUFACTURED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

ANSI/UL 651  
NEMA TC-2

### SUPPORT OF JM EAGLE™ PVC CONDUIT IN ABOVE GROUND INSTALLATIONS

SIZE	MAXIMUM SPACE BETWEEN SUPPORTS (FT)
1¼ – 2	5
2½ – 3	6
3½ – 5	7
6	8

### MECHANICAL PROPERTIES

	ASTM	TYPICAL VALUE
Specific Gravity	D792	1.4 – 1.7
Tensile Strength (psi) @ 73.4 °F	D638	5,000
Izod Impact -ft lbs/in of notch	D256	0.65 – 1.50
Flexural Strength (psi)	D790	12,500
Comprehensive Strength (psi)	D695	9,000
Hardness (Durometer D)	D2240	95

### THERMAL PROPERTIES

	ASTM	TYPICAL VALUE
Coefficient of Thermal Expansion – in/in/°C	D696	5.13 x 10 <sup>-5</sup>
Coefficient of Thermal Expansion – in/in/°F	D696	3.0 x 10 <sup>-5</sup>
Deflection Temp. °F Under Load @ 264 psi	D648	140 °F
Thermal Conductivity BTU (hr) (ft) (°F/in)	C177	1.3

### ELECTRICAL PROPERTIES

	ASTM	TYPICAL VALUE
Dielectric Strength -volts/mil	D149	1,100
Dielectric Constant 60 CPS @ 30 °C	D150	4.00
Power Factor 60 CPS @ 30 °C	D150	1.93

### FIRE RESISTANCE PROPERTIES

	ASTM	TYPICAL VALUE
Fire Resistance	–	Self Extinguishing
Flame Spread	E162	10
Smoke Development	E84	330

All JM Eagle™ conduits have a long bell standard.

# 03

## SHORT FORM SPECIFICATION

### POWER AND COMMUNICATION DUCT

#### JM EAGLE™ PVC POWER AND COMMUNICATION DUCT

JM Eagle™ offers a complete line of PVC Power and Communication Duct designed and produced for use in underground Installation.

JM Eagle™ PVC Power and Communication Duct is manufactured in accordance with the following specifications:

#### JM EAGLE™ POWER AND TELEPHONE DUCT

ANSI/UL 651A	Puget Sound Power**
NEMA TC -6 & 8	LADWP**
ASTM F512	SDG & E**
F.P.L.**	PSE & G**
RUS**	BELL SOUTH**
C.O.X.**	GTE**
S.R.P.**	VERIZON**

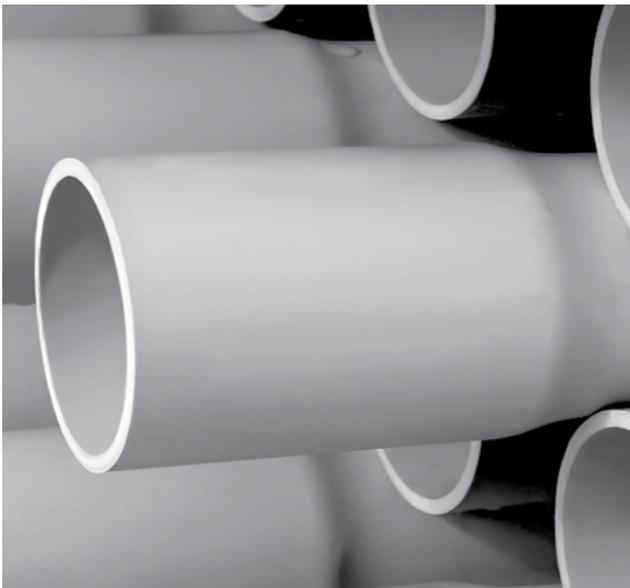
Sierra Pacific Power\*\*

#### JM EAGLE™ POWER AND COMMUNICATION DUCT OFFERS

- Highest quality control standards.
- Light weight.
- Ultraviolet protection.
- Long lengths.
- High impact & deformation properties.
- Excellent chemical resistance.
- Integral bell.
- Solvent cemented joints.
- Superior dielectric strength.
- Smooth inner wall.
- Low coefficient of static and dynamic friction.
- Easy field cutting.
- Efficient packaging.

\* Call to confirm shipping location carries all listings.

\*\* Contact JM Eagle™ for availability.





## POWER AND COMMUNICATION DUCT ASTM F512 AND NEMA TC-6 & TC-8

### PHYSICAL AND PERFORMANCE PROPERTIES

PROPERTY	ASTM #	TYPICAL VALUE
TENSILE STRENGTH (psi) of compound	D 638	4,000
MODULUS OF ELASTICITY IN TENSION (psi)	D 638	500,000 or 400,000
FLEXURAL STRENGTH (psi)	D 790	13,000
DEFLECTION TEMP °F UNDER LOAD @ 264 (psi)	D 648	158°F
COEFFICIENT OF THERMAL EXPANSION IN /IN /°F	D 696	3.0 x 10 <sup>-5</sup>

### IMPACT RESISTANCE (AT 32°F) FT/ LBS

SIZE	EB20	EB35	DB60	DB100	DB120
1	—	10	—	—	10
1½	—	—	10	—	15
2	20	20	20	25	25
2½	—	—	—	—	30
3	20	30	40	45	50
3½	20	35	50	60	65
4	25	40	60	70	80
5	30	55	85	100	110
6	40	75	120	135	150
*4" TEL DUCT	—	—	—	—	50

\* CAO 8546 TYPE C

### PIPE STIFFNESS PER ASTM F512

CONDUIT TYPE (ALL SIZES)	MINIMUM PIPE STIFFNESS (F/ΔY)
EB-20	20
EB-35	35
DB-60	60
DB-100	100
DB-120	120
4" TEL DUCT	120

\* Please contact sales for availability and product range.

# 04

## DIMENSIONS AND WEIGHTS

### SUBMITTAL AND DATA SHEET

#### SCHEDULE 40 AND SCHEDULE 80 CONDUIT NEMA TC-2 AND ANSI/UL 651

RIGID NON-METALLIC CONDUIT FOR USE IN BOTH ABOVE GROUND AND UNDERGROUND INSTALLATIONS

#### SCHEDULE 40 CONDUIT

Rated for 90°C Conductors

SIZE	AVERAGE O.D.	NOM. I.D.	MIN. T.	APPROX. WT/100 FT
1/2	0.840	0.622	0.109	18
3/4	1.050	0.824	0.113	24
1	1.315	1.049	0.133	33
1 1/4	1.660	1.380	0.140	45
1 1/2	1.900	1.610	0.145	56
2	2.375	2.067	0.154	76
2 1/2	2.875	2.469	0.203	126
3	3.500	3.068	0.216	163
3 1/2	4.000	3.548	0.226	197
4	4.500	4.026	0.237	234
5	5.563	5.047	0.258	319
6	6.625	6.065	0.280	411
8*	8.625	7.942	0.322	622

Schedule 40 is furnished in standard 10' lengths with one bell end.  
20' lengths are available upon request.

\* Contact JM Eagle for availability (non UL listed).

#### SCHEDULE 80 CONDUIT

Rated for 90°C Conductors

SIZE	AVERAGE O.D.	NOM. I.D.	MIN. T.	APPROX. WT/100 FT
1/2	0.840	0.546	0.147	22
3/4	1.050	0.742	0.154	30
1	1.315	0.957	0.179	42
1 1/4	1.660	1.278	0.191	60
1 1/2	1.900	1.500	0.200	72
2	2.375	1.939	0.218	98
2 1/2	2.875	2.323	0.276	160
3	3.500	2.900	0.300	213
3 1/2	4.000	3.364	0.318	256
4	4.500	3.826	0.337	310
5	5.563	4.813	0.375	430
6	6.625	5.761	0.432	590

Schedule 80 is furnished in standard 10-foot lengths with one bell end.  
20-foot lengths are available upon request.



# DIMENSIONS AND WEIGHTS

## SUBMITTAL AND DATA SHEET

### POWER AND COMMUNICATION DUCT FOR CONCRETE ENCASUREMENT TC-6 & TC-8 AND ASTM F512

TYPE EB20\* ::

Rated for 90°C Cable

SIZE	AVERAGE O.D.	NOM. I.D.	* MIN. T.	APPROX. WT/100 FT
2	2.375	2.255	0.060	36
3	3.500	3.378	0.061	56
4	4.500	4.336	0.082	91
5	5.563	5.357	0.103	141
6	6.625	6.375	0.125	198

TYPE EB35\* ::

Rated for 90°C Cable

SIZE	AVERAGE O.D.	NOM. I.D.	* MIN. T.	APPROX. WT/100 FT
3	3.500	3.348	0.076	68
4	4.500	4.300	0.100	109
5	5.563	5.311	0.126	168
6	6.625	6.321	0.152	235

\* Based on 500,000 psi Modulus

:: Conduit furnished with one bell end per 20-foot length.

:: JM Eagle™ Type EB duct is designed for concrete encasement installations and complies with NEMA TC-6 & TC-8 and ASTM F512.

I.D. : Inside Diameter

O.D. : Outside Diameter

T. : Wall Thickness



# DIMENSIONS AND WEIGHTS

## SUBMITTAL AND DATA SHEET

### POWER AND COMMUNICATION DUCT FOR DIRECT BURIAL TC-6 & TC-8 AND ASTM F512

TYPE DB60\* ::

Rated for 90°C Cable

SIZE	AVERAGE O.D.	NOM. I.D.	* MIN. T.	APPROX. WT/100 FT
2	2.375	2.255	0.060	36
3	3.500	3.316	0.092	79
4	4.500	4.258	0.121	129
5	5.563	5.259	0.152	197
6	6.625	6.261	0.182	279

\* Based on 500,000 psi Modulus

TYPE DB100\* ::

Rated for 90°C Cable

SIZE	AVERAGE O.D.	NOM. I.D.	* MIN. T.	APPROX. WT/100 FT
3	3.500	3.276	0.112	91
3½	4.000	3.744	0.128	120
4	4.500	4.212	0.145	152
5	5.563	5.207	0.179	231
6	6.625	6.201	0.213	328

\* Based on 500,000 psi Modulus

TYPE DB120\* ::

Rated for 90°C Cable

SIZE	AVERAGE O.D.	NOM. I.D.	* MIN. T.	APPROX. WT/100 FT
1	1.315	1.195	0.060	20
1½	1.900	1.780	0.060	29
2	2.375	2.221	0.077	44
3	3.500	3.264	0.118	97
4	4.500	4.192	0.154	160
5	5.563	5.181	0.191	245
6	6.625	6.171	0.227	347

\* Based on 500,000 psi Modulus

:: Conduit furnished with one bell end per 20-foot length.

:: JM Eagle™ Type DB duct is designed for direct burial installations and complies with NEMA TC-6 & TC-8 and ASTM F512.

400,000 psi Modulus available upon request.



# DIMENSIONS AND WEIGHTS

## SUBMITTAL AND DATA SHEET

### TELEPHONE DUCT

CAO 8546 TYPE C\* ::

Rated for 90°C Cable

SIZE	AVERAGE O.D.	NOM. I.D.	* MIN. T.	APPROX. WT/100 FT
4	4.350	4.044	0.149	147

\* Based on 500,000 psi Modulus.

400,000 psi Modulus available upon request.

:: GTS - 8342 available upon request.

:: JM Eagle™ Type C PVC duct is designed for direct burial installations of telephone cables and complies with CAO 8546.

I.D. : Inside Diameter

O.D. : Outside Diameter

T. : Wall Thickness



# DIMENSIONS AND WEIGHTS

## SUBMITTAL AND DATA SHEET

### RIGID UTILITY CONDUIT

#### SCHEDULE 40 UTILITY

NORM. PIPE SIZE (IN)	O.D. (IN)	NOM. I.D. (IN)	*MIN. T. (IN)	APPROX. WEIGHT (WT/100 FT)
2	2.375	2.05	0.154	82
3	3.500	3.04	0.216	174
4	4.500	4.00	0.237	242
5	5.563	5.02	0.258	336
6	6.625	6.03	0.280	462

Pipe color is gray. Other colors may be available on request.

Pipe is produced with integral solvent weld bells. Plain end conduit may be available on request.

Available in 20-foot lengths. 10-foot lengths may be available.

For direct earth burial and concrete encasement.

Specifically designed for power utility specifications.

Non UL or NSF Listed.



# DIMENSIONS AND WEIGHTS

## SUBMITTAL AND DATA SHEET

### “GAS SLEEVE” PIPE

#### SCHEDULE 40

NOM. PIPE SIZE (IN)	O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. WEIGHT (LBS/FT)
1	1.315	1.03	0.133	0.35
1½	1.900	1.59	0.145	0.57
2	2.375	2.05	0.154	0.77
3	3.500	3.04	0.216	1.59
4	4.500	4.00	0.237	2.27
6	6.625	6.03	0.280	3.99
8	8.625	7.94	0.322	6.01
10	10.750	9.98	0.365	8.51
12	12.750	11.89	0.406	11.26

#### SCHEDULE 26

NOM. PIPE SIZE (IN)	O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. WEIGHT (LBS/FT)
1¼	1.660	1.52	0.064	0.23
1½	1.900	1.75	0.073	0.30
2	2.375	2.18	0.091	0.47
3	3.500	3.21	0.135	1.02
4	4.500	4.13	0.173	1.68
6	6.625	6.08	0.255	3.65
8	8.625	7.92	0.332	6.18
10	10.750	9.87	0.413	9.59
12	12.750	11.71	0.490	13.49

Pipe color is yellow.

Pipe is produced with integral solvent weld bells.

Available in 20-foot lengths. 10-foot lengths may be available.

The function of the pipe is a sleeve pipe. No pressure rating implied.

The PVC “Gas Sleeve” pipe is not to be used for transmission of natural gas.

This data sheet does not purport to address all the safety problems associated with its use.

It is the responsibility of whoever uses the gas sleeve to consult and establish safety and health practices and to determine the applicability of regulatory limitations prior to use.



# 05

## EAGLE LOC ELECTRICAL CONDUIT

Eagle Loc Electrical Conduit\* can be utilized in any utility application where solvent-weld PVC conduit is used.

Perfect for horizontal directional drilling, it provides high pulling capacity with less chance of joint separation. Its unique spline-locking system forms a strong watertight joint without cementing or fusion welding, and it is totally corrosion-free.



Its other features include:

- A chamfered spigot end for easy assembly.
- Short lengths of 10 feet or 20 feet for better conformance to tight spaces, ease in transportation and generation of less scrap.
- Easy disassembly for reuse.
- An insertion line at the spigot end to aid in the alignment process.
- Standard Schedule 40 dimensions for ease of use with solvent-welded Schedule 40 fittings.

In addition, JM Eagle supplies approved lubricant, splines and O-rings with every order.

\* Not UL-approved.

### SCHEDULE 40 DIMENSIONS

NORM. PIPE SIZE (IN)	AVERAGE O.D. (IN)	APPROX. I.D. (IN)	MIN. WALL THICKNESS (IN)	APPROX. WEIGHT (LBS/100FT)
4	4.500	3.99	0.237	228
5	5.563	5.01	0.258	314
6	6.625	6.02	0.280	410

### SCHEDULE 40 PERFORMANCE DATA

NORM. PIPE SIZE (IN)	TYPICAL STIFFNESS AT 5% DEFLECTION (LB/IN/IN)	INSERTION FORCE (LBS)	SEAL PRESSURE RATING (PSI)	JOINT PULL RATING (LBS)
4	326	45	75	8,500
5	219	60	75	11,500
6	154	85	75	14,500



## ITEM AND PACKAGING INFORMATION

ITEM NUMBER	DESCRIPTION	LENGTH (FT.)	FEET PER CRATE	FEET PER TRUCKLOAD
4	4" Sch 40 Eagle Loc Conduit	20	580	16,240
5	5" Sch 40 Eagle Loc Conduit	20	460	11,040
6	6" Sch 40 Eagle Loc Conduit	20	400	8,000

## EAGLE LOC ELECTRICAL CONDUIT ACCESSORIES

NORM. PIPE SIZE (IN)	PKG QTY PER BAG	ITEM NUMBER		
		SPLINES	O-RINGS	COMBO BAG <sup>^</sup>
4	29	4" Spline Bag	4" O-Ring Bag	4" Combo Bag
5	23	5" Spline Bag	5" O-Ring Bag	5" Combo Bag
6	20	4" Spline Bag	6" O-Ring Bag	6" Combo Bag

<sup>^</sup> includes splines, O-rings and lube/brush.

## BELL LENGTH

NORM. PIPE SIZE (IN)	TYPICAL BELL LENGTH (IN)
4	4.625"
5	4.625"
6	4.625"



# 06

## LOADING CHARTS

### ELECTRICAL CONDUIT

PRODUCT TYPE	SIZE	LENGTH	PCS/LIFT	FT/LIFT	LIFTS/LOAD	% LOAD	FT/LOAD
RETAIL SCH40/SCH80 CONDUIT	1/2	10	300	3,000	80	1.25%	240,000
	3/4	10	220	2,200	80	1.25%	176,000
	1	10	180	1,800	80	1.25%	144,000
	1 1/4	10	90	900	80	1.25%	72,000
	1 1/2	10	90	900	80	1.25%	72,000
	2	10	70	700	72	1.39%	50,400
	2 1/2	10	50	500	56	1.79%	28,000
	2 1/2 (West)*	10	50	500	64	1.56%	32,000
	3	10	50	500	48	2.08%	24,000
	4	10	57	570	24	4.17%	13,680
UL 651 NEMA TC-2	4 (West)*	10	57	570	32	3.13%	18,240
	1/2	10	600	6,000	72	1.39%	432,000
	3/4	10	440	4,400	56	1.79%	246,000
	1	10	360	3,600	48	2.08%	172,800
	1 1/4	10	330	3,300	40	2.50%	132,000
	1 1/2	10	225	2,250	40	2.50%	90,000
	2	10	140	1,400	40	2.50%	56,000
	2 1/2	10	93	930	40	2.50%	37,200
	3	10	88	880	32	3.13%	28,160
	3 1/2	20	63	630	32	3.13%	20,160
10' LENGTH	4	20	57	570	24	4.17%	13,680
	4 (West)*	20	57	570	32	3.13%	18,240
	5	20	38	380	24	4.17%	9,120
	5 (West)*	20	38	380	32	3.13%	12,160
	6	20	26	260	24	4.17%	6,240
	6 (West)*	20	26	260	32	3.13%	8,320
	1/2	20	600	12,000	36	2.78%	432,000
	3/4	20	440	8,800	28	3.57%	246,400
	1	20	360	7,200	24	4.17%	172,800
	1 1/4	20	330	6,600	20	5.00%	132,000
SCH40/SCH80 CONDUIT	1 1/2	20	225	4,500	20	5.00%	90,000
	2	20	140	2,800	20	5.00%	56,000
	2 1/2	20	93	1,860	20	5.00%	37,200
	3	20	88	1,760	16	6.25%	28,160
	3 1/2	20	63	1,260	16	6.25%	20,160
	4	20	57	1,140	12	8.33%	13,680
	4 (West)*	20	57	1,140	16	6.25%	18,240
	5	20	38	760	12	8.33%	9,120
	5 (West)*	20	38	760	16	6.25%	12,160
	6	20	26	520	12	8.33%	6,240
UL 651 NEMA TC-2	6 (West)*	20	26	520	16	6.25%	8,320
	1/2	5	300	1,500	128	0.78%	192,000
	3/4	5	220	1,100	128	0.78%	140,800

Lifts/Load based on unit size - Do not Exceed Maximum Weight per Truckload: 45,000 pounds.

(West)\*: Includes JM Eagle plants in Tacoma, WA; Sunnyside, WA; McNary, OR; Cameron Park, CA; Stockton, CA; Perris, CA; Fontana, CA; Visalia, CA.



# LOADING CHARTS

## UTILITY DUCT

PRODUCT TYPE	SIZE	LENGTH	PCS/LIFT	FT/LIFT	LIFTS/LOAD	% LOAD	FT/LOAD
EB/DB DUCT  20' LENGTH	1	20	400	8,000	20	5.00%	160,000
	1 1/2	20	225	4,500	20	5.00%	90,000
	2	20	140	2,800	20	5.00%	56,000
	2 1/2	20	131	2,620	16	6.25%	41,920
	3	20	100	2,000	12	8.33%	24,000
	3 (West)*	20	100	2,000	16	6.25%	32,000
	3 1/2	20	63	1,260	16	6.25%	20,160
	4	20	57	1,140	12	8.33%	13,680
	4 (West)*	20	57	1,140	16	6.25%	18,240
	5	20	38	760	12	8.33%	9,120
	5 (West)*	20	38	760	16	6.25%	12,160
CSA DB2 10' LENGTH	6	20	26	520	12	8.33%	6,240
	6 (West)*	20	26	520	16	6.25%	8,320
	2	10	234	2,340	32	3.13%	74,880
CSA DB2 20' LENGTH	3	10	100	1,000	32	3.13%	32,000
	4	10	63	630	32	3.13%	20,160
	2	20	234	4,680	16	6.25%	74,880
TYPE C DUCT	3	20	100	2,000	16	6.25%	32,000
	4	20	63	1,260	16	6.25%	20,160
	4	20	63	1,260	16	6.25%	20,160

Lifts/Load based on unit size - Do not Exceed Maximum Weight per Truckload: 45,000 lbs.

(West)\*: Includes JM Eagle plants in Tacoma, WA; Sunnyside, WA; McNary, OR; Cameron Park, CA; Stockton, CA; Perris, CA; Fontana, CA; Visalia, CA.



# LOADING CHARTS

## YELLOW GAS SLEEVE

PRODUCT TYPE	SIZE	LENGTH	PCS/LIFT	FT/LIFT	LIFTS/LOAD	% LOAD	FT/LOAD
SCH40 20' LENGTH	1	20	275	5,500	32	3.13%	176,000
	1 1/4	20	196	3,920	32	3.13%	125,440
	1 1/2	20	168	3,360	32	3.13%	107,520
	2	20	105	2,100	28	3.57%	58,800
	2 (PTA)*	20	140	2,800	20	5.00%	56,000
	3	20	60	1,200	24	4.17%	28,800
	3 (PTA)*	20	88	1,760	16	6.25%	28,160
	4	20	57	1,140	16	6.25%	18,240
	6	20	26	520	16	6.25%	8,320
	8	20	15	300	16	6.25%	4,800
	10	20	12	240	12	8.33%	2,880
	12	20	6 / 8	120 / 160	6 / 6	7.1 / 9.5%	1,680

Lifts/Load based on unit size - Do not Exceed Maximum Weight per Truckload: 45,000 lbs.  
 (PTA)\*: Applies to Tacoma, WA, plant only.

# WARRANTY

## JM EAGLE™ PRODUCTS LIMITED WARRANTY

J-M Manufacturing Co., Inc. (JM Eagle™) warrants that its standard polyvinyl chloride (PVC), polyethylene (PE), conduit/plumbing/solvent weld and Acrylonitrile-Butadiene-Styrene (ABS) pipe Products (“Products”) are manufactured in accordance with applicable industry specifications referenced on the Product and are free from defects in workmanship and materials. Every claim under this warranty shall be void unless in writing and received by JM Eagle™ within thirty (30) days of the date the defect was discovered, and within one (1) year of the date of shipment from the JM Eagle™ plant. Claims for Product appearance defects, such as sun-bleached pipe etc., however, must be made within thirty (30) days of the date of the shipment from the JM Eagle™ plant. This warranty specifically excludes any Products allowed to become sun-bleached after shipment from the JM Eagle™ plant. Proof of purchase with the date thereof must be presented to the satisfaction of JM Eagle™, with any claim made pursuant to this warranty. JM Eagle™ must first be given an opportunity to inspect the alleged defective Products in order to determine if it meets applicable industry standards, if the handling and installation have been satisfactorily performed in accordance with JM Eagle™ recommended practices and if operating conditions are within standards. Written permission and/or a Return Goods Authorization (RGA) must be obtained along with instructions for return shipment to JM Eagle™ of any Products claimed to be defective.

The limited and exclusive remedy for breach of this Limited Warranty shall be, at JM Eagle’s sole discretion, the replacement of the same type, size and like quantity of non-defective Product, or credits, offsets, or combination of thereof, for the wholesale purchase price of the defective unit.

This Limited Warranty does not apply for any Product failures caused by user’s flawed designs or specifications, unsatisfactory applications, improper installations, use in conjunction with incompatible materials, contact with aggressive chemical agents, freezing or overheating of liquids in the product and any other misuse causes not listed here. This Limited Warranty also excludes failure or damage caused by fire stopping materials, thread sealants, plasticized vinyl Products or damage caused by the fault or negligence of anyone other than JM Eagle™, or any other act or event beyond the control of JM Eagle™.

JM Eagle’s liability shall not, at any time, exceed the actual wholesale purchase price of the Product. The warranties in this document are the only warranties applicable to the Product and there are no other warranties, expressed or implied. This Limited Warranty specifically excludes any liability for general damages, consequential or incidental damages, including without limitation, costs incurred from removal, reinstallation, or other expenses resulting from any defect. IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY DISCLAIMED AND JM EAGLE™ SHALL NOT BE LIABLE IN THIS RESPECT NOTWITHSTANDING JM EAGLE’S ACTUAL KNOWLEDGE OF THE PRODUCT’S INTENDED USE.

JM Eagle’s Products should be used in accordance with standards set forth by local plumbing and building laws, codes, or regulations and the applicable standards. Failure to adhere to these standards shall void this Limited Warranty. Products sold by JM Eagle™ that are manufactured by others are warranted only to the extent and limits of the warranty of the manufacturer. No statement, conduct or description by JM Eagle™ or its representative, in addition to or beyond this Limited Warranty, shall constitute a warranty. This Limited Warranty may only be modified in writing signed by an officer of JM Eagle™.





# PLANT LOCATIONS

## **ADEL**

2101 J-M Drive  
Adel, Georgia 31620

## **BATCHELOR**

2894 Marion Monk Road  
Batchelor, Louisiana 70715

## **BUTNER**

2602 West Lyon Station Road  
Creedmoor, North Carolina 27522

## **CAMERON PARK**

3500 Robin Lane  
Cameron Park, California 95682

## **COLUMBIA**

6500 North Brown Station Road  
Columbia, Missouri 65202

## **CONROE**

101 East Avenue M  
Conroe, Texas 77301

## **FONTANA**

10990 Hemlock Avenue  
Fontana, California 92337

## **HASTINGS**

146 North Maple Avenue  
Hastings, Nebraska 68901

## **KINGMAN**

4620 Olympic Way  
Kingman, Arizona 86401

## **MAGNOLIA**

2220 Duracrete Drive  
Magnolia, Arkansas 71753

## **MCNARY**

31240 Roxbury Road  
Umatilla, Oregon 97882

## **MEADVILLE**

15661 Delano Road  
Cochrannton, Pennsylvania 16314

## **PERRIS**

23711 Rider Street  
Perris, California 92570

## **PUEBLO**

1742 E. Platteville Boulevard  
Pueblo West, Colorado 81007

## **STOCKTON**

1051 Sperry Road  
Stockton, California 95206

## **SUNNYSIDE**

1820 South First Street  
Sunnyside, Washington 98944

## **TACOMA**

2330 Port of Tacoma Road  
Tacoma, Washington 98421

## **TULSA**

4501 West 49th Street  
Tulsa, Oklahoma 74107

## **VISALIA**

8875 Avenue 304  
Visalia, California 93291

## **WHARTON**

10807 US 59 RD  
Wharton, Texas 77488

## **WILTON**

1314 W. Third Street  
Wilton, Iowa 52778

## **MEXICO**

PLASTICS TECHNOLOGY  
DE MÉXICO S DE R.L. DE S.A.  
Av. Montes Urales No. 8 y 10  
Parque Industrial Opción, Carretera  
57 Qro. -S.L.P. Km. 57.8  
C.P. 37980 San José Iturbide,  
Guanajuato México

*\* Our Mexico location is a joint  
venture between JM Eagle™ and  
Plastics Technology*

## **GLOBAL HEADQUARTERS**

5200 West Century Boulevard  
Los Angeles, California 90045

## **REGIONAL OFFICE**

Nine Peach Tree Hill Road  
Livingston, New Jersey 07039

**J-M Manufacturing Co. Inc. and PW Eagle Inc. are doing business as JM Eagle™.**

# JM Eagle

- THE LEADER IN PIPE INNOVATION
- THE HIGHEST LEVEL OF QUALITY
- THE LARGEST BREADTH OF PRODUCT
- THE WIDEST CAPACITY
- EXPRESS DELIVERY



● Electrical product line is available from these locations.

## PLANT LOCATIONS

Revised March 2011

JME-10A

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All JM Eagle pipe products are made in the U.S.A.



Building essentials  
for a better tomorrow™

### GLOBAL HEADQUARTERS:

5200 West Century Blvd  
Los Angeles, CA 90045  
T: 800.621.4404  
F: 800.451.4170

[www.JMEagle.com](http://www.JMEagle.com)

### REGIONAL OFFICE:

Nine Peach Tree Hill Road  
Livingston, NJ 07039  
T: 973.535.1633  
F: 973.533.4185