

Intermediate Metal Conduit

Submittal Sheet



Wheatland Tube's steel intermediate metal conduit provides exceptional physical protection for cables and connectors, including installations in hazardous locations. IMC contains 33% less steel than conventional rigid metal conduit, leading to a lighter weight and a larger inside diameter for faster wire pulling. Wheatland Tube's IMC is available in trade sizes ½-4.

Listing

Wheatland Tube's IMC is UL® Listed to UL-1242. It is manufactured in accordance with ANSI® C80.6 and federal specification WW-C-581.



Locations

Wheatland Tube's IMC meets the requirements of National Electrical Code® (NEC) Article 342 for use in indoor and outdoor locations and in wet and dry locations, including Class 1 Division 1 hazardous locations. The NEC recognizes IMC for the same use as rigid metal conduit.

Testing

Wheatland Tube performs regular tests of its IMC for weld strength, plating thickness, all dimensions, and uniform smoothness of the interior and exterior coatings.

Coating

Wheatland Tube's IMC is in-line galvanized, and a secondary transparent organic coating provides further protection against corrosion.

Threading

Wheatland Tube's IMC is threaded to be interchangeable with rigid metal conduit fittings and elbows and requires no change in installation procedures.

SUBMITTAL INFORMATION

PROJECT: _____

CONTRACTOR: _____

DATE: _____

ENGINEER: _____

SPECIFICATION REFERENCE: _____

SYSTEM TYPE: _____

LOCATIONS: _____

COMMENTS: _____



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IMC WEIGHTS AND DIMENSIONS (10' LENGTHS)

TRADE SIZE	THREADS/ INCH	ACCEPTABLE LENGTH OF FINISHED CONDUIT WITHOUT COUPLING		WEIGHT OF 10 UNIT LENGTHS WITH COUPLINGS	NOMINAL OUTSIDE DIAMETER*		NOMINAL INSIDE DIAMETER**		NOMINAL WALL THICKNESS*	
		ft.	+/- .25 in.		in.	mm	in.	mm	in.	mm
1/2	14	9	11 1/4	62	0.815	20.70	0.660	16.76	0.078	1.97
3/4	14	9	11 1/4	84	1.029	26.14	0.864	21.94	0.083	2.10
1	11 1/2	9	11	119	1.290	32.77	1.105	28.07	0.093	2.35
1 1/4	11 1/2	9	11	158	1.638	41.59	1.448	36.77	0.095	2.41
1 1/2	11 1/2	9	11	194	1.883	47.82	1.683	42.74	0.100	2.54
2	11 1/2	9	11	256	2.360	59.93	2.150	54.60	0.105	2.67
2 1/2	8	9	10 1/2	441	2.857	72.57	2.557	64.95	0.150	3.81
3	8	9	10 1/2	543	3.476	88.29	3.176	80.67	0.150	3.81
3 1/2	8	9	10 1/4	629	3.971	100.86	3.671	93.24	0.150	3.81
4	8	9	10 1/4	700	4.466	113.44	4.166	105.82	0.150	3.81

* Figures are the average of the maximum and minimum dimensions as given in UL-1242.

** Calculated from nominal outside diameter and nominal wall thickness.

Steel IMC is manufactured to produce a 10' (3.05 m) length of conduit when a standard coupling is attached.

IMC PACKAGING (10' LENGTHS)

TRADE SIZE	THREAD PROTECTOR COLOR	QUANTITY/BUNDLE		QUANTITY/LIFT*		WEIGHT/LIFT	
		ft.	Pieces	Bundles	ft.	lbs.	
1/2	Yellow	100	—	35	3500	2170	
3/4	Green	50	—	50	2500	2100	
1	Orange	50	—	34	1700	2023	
1 1/4	Green	—	135	—	1350	2133	
1 1/2	Yellow	—	110	—	1100	2134	
2	Orange	—	80	—	800	2048	
2 1/2	Yellow	—	37	—	370	1632	
3	Orange	—	30	—	300	1629	
3 1/2	Yellow	—	24	—	240	1510	
4	Orange	—	24	—	240	1680	

* The quantity per lift conforms to the National Electrical Manufacturers Association Standards Publication RN-2, Packaging of Master Bundles for Steel Rigid Conduit, Intermediate Metal Conduit (IMC) and Electrical Metallic Tubing (EMT).

WEL-122023



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