What's as "rigid" as Rigid…

Can be used in all of the same locations as Rigid…

Weighs 1/3 less than Rigid…

And SAVES YOU UP TO 30% over Rigid?

allied®
TUBE & CONDUIT

ANSWER... IMC

(Intermediate Metal Conduit)

So, Why are you sti

Join the ranks of companies like Ameritech, Boeing, Walt Disney, and United Airlines who have realized considerable savings by using IMC, a lighter-weight rigid-type conduit originated in the 70's by Allied Tube & Conduit. Today, IMC has more than passed the test of time and offers you these advantages over Rigid Steel Conduit (RSC):

- **Lighter-weight:** IMC weighs about 1/3 less than Rigid, is easy to handle and can result in sizable economies in shipping and final installation.
- **Easier wire-pulling:** IMC has a larger interior diameter than Rigid and a smoother interior coating, making wire pulling easier and faster.
- **More precise tolerances:** IMC is listed to UL 1242 and meets ANSI C80.6 which require certain tolerances for greater uniformity in electrical and mechanical performance characteristics.
- **Higher yield and tensile strengths:** IMC is manufactured from sheet steel, work-hardened through the forming process to provide exceptional strength for its weight. Average yield strength for IMC is 55-60 Ksi vs. 30-40 Ksi for Rigid. Average ultimate tensile strength is 60-70 Ksi for IMC vs. 50-60 Ksi for Rigid.

IMC CAN BE USED WHEREVER RIGID CONDUIT CAN BE USED!

ill specifying Rigid?

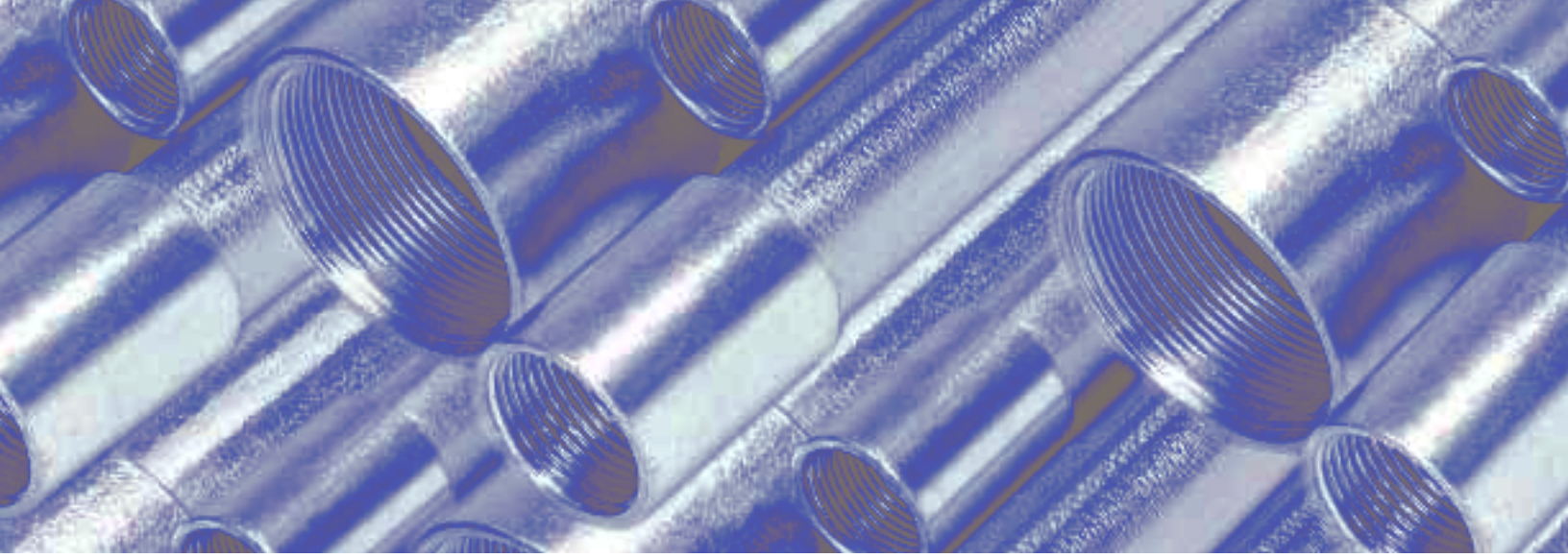
The National Electrical Code (NEC) permits IMC to be used for exactly the same uses as Rigid, which is “under all atmospheric conditions and occupancies.” That's virtually anywhere! It can be used inside, outside, above ground, underground, in concrete and in earth, with no voltage limitations, and where subject to severe physical damage. It can be used in plenums and environmental air spaces, in hazardous locations and in patient care areas of health care facilities.

Available in trade sizes 1/2 through 4, Allied's IMC is hot galvanized using our patented Flo-Coat® process. This process combines zinc, a conversion coating, and a clear organic polymer topcoat to form a triple layer of protection against corrosion and abrasion. The ID is a zinc pigmented epoxy based coating.

The same couplings are used for both IMC and Rigid, making them interchangable. These couplings are electroplated, as is industry practice, to avoid excessive zinc build-up on the interior threads. Conduit threads are protected with molten zinc after cutting.

Bending and Threading
The same equipment used to thread Rigid can be used to thread IMC. Both products are threaded with a 3/4" per foot tapered NPT chaser.

While there are benders available for IMC, bender manufacturers have developed a variety of benders which can be used to bend both Rigid and IMC as well as electrical metallic tubing (EMT). Complete information is available from your bender manufacturer.



Weights and Dimensions for Intermediate Metal Conduit

Trade Size Designator		Approx. Wt.* Per 100 Ft. (30.5M)		Nominal Outside Diameter[1]		Minimum Wall Thickness[2]		Quantity In Primary Bundle		Master Bundles					
										Quantity		Approx. Wt.		Volume	
U.S.	Metric	lb.	kg	in.	mm	in.	mm	ft.	m	ft.	mm	lb.	kg	cu ft.	cu m
1/2	16	62	28.1	0.815	20.7	0.070	1.80	100	30.5	3500	1067.5	2170	984.1	26.7	0.76
3/4	21	84	38.1	1.029	26.1	0.075	1.90	50	15.2	2500	762.5	2100	952.4	30.7	0.87
1	27	119	54.0	1.290	32.8	0.085	2.20	50	15.2	1700	518.5	2023	917.5	30.7	0.87
1-1/4	35	158	71.7	1.638	41.6	0.085	2.20	–	–	1350	411.8	2133	967.3	36.3	1.03
1-1/2	41	194	88.0	1.883	47.8	0.090	2.30	–	–	1100	335.5	2134	967.8	38.2	1.08
2	53	256	116.1	2.360	59.9	0.095	2.40	–	–	800	244.0	2048	928.8	45.8	1.30
2-1/2	63	441	200.0	2.857	72.6	0.140	3.50	–	–	370	112.9	1632	740.1	29.2	0.83
3	78	543	246.3	3.476	88.3	0.140	3.50	–	–	300	91.5	1629	738.8	31.3	0.89
3-1/2	91	629	285.3	3.971	100.9	0.140	3.50	–	–	240	73.2	1510	684.8	34.7	0.98
4	103	700	317.5	4.466	113.4	0.140	3.50	–	–	240	73.2	1680	761.9	42.8	1.21

[1]Outside diameter tolerances: +/- .005 in. (.13mm) for trade sizes 1/2" (16mm) through 1" (25mm) +/- .0075 in. (.19mm) for trade size 1-1/4" (36mm) through 2" (53mm) +/- 0.10 in (.25mm) for trade size 2-1/2" (63mm) through 4" (103mm).

[2]Wall thickness tolerances: + 0.15 in. (.38mm) and - .000 for trade sizes 1/2" (13mm) through 2" (53mm) + 0.20 in. (.51mm) and -.000 for trade sizes 2-1/2" (63mm) through 4" (103mm).

NOTE: Length = 10 ft. (3.05m) with a tolerance of +/- .25" (6.35mm).

* NEMA Standard

When the job is specified for IMC, Allied's KWIK-COUPLE can cut installation time significantly.

Just line up the conduit ends together, as you normally do with regularly coupled conduit. Spin the KWIK-COUPLE coupling foward onto the next piece by hand until snug, and wrench-tighten.

You're done! Without having had to spin the heavy conduit or elbow, you've made a tight, positive connection with excellent electrical ground continuity.

KWIK-COUPLE Cuts Installation Costs

In recent tests of installation times, electrical contractors could install KWIK-COUPLE significantly faster than conventionally couple conduit, because with KWIK-COUPLE you never have to spin the conduit or elbow again. KWIK-COUPLE increases your profits by reducing your costs.

KWIK-COUPLE Cuts Coupling Costs

With KWIK-COUPLE, buying expensive set-screw, compression, split-bolt and 3-piece couplings will become a thing of the past. Bends, offsets and saddles, as well as straight runs, are a breeze. Because KWIK-COUPLE is factory-installed on each 10' length or elbow, there's no need to worry about special application coupling expense, extra time installing these couplings to the pipe, lost couplings or lost time due to running out of specialized couplings.

It all adds up to even more savings with KWIK-COUPLE.

tyco / Flow Control / Allied Tube & Conduit
16100 S. Lathrop Avenue, Harvey, IL 60426
(708) 339-1610 Ph. www.alliedtube.com