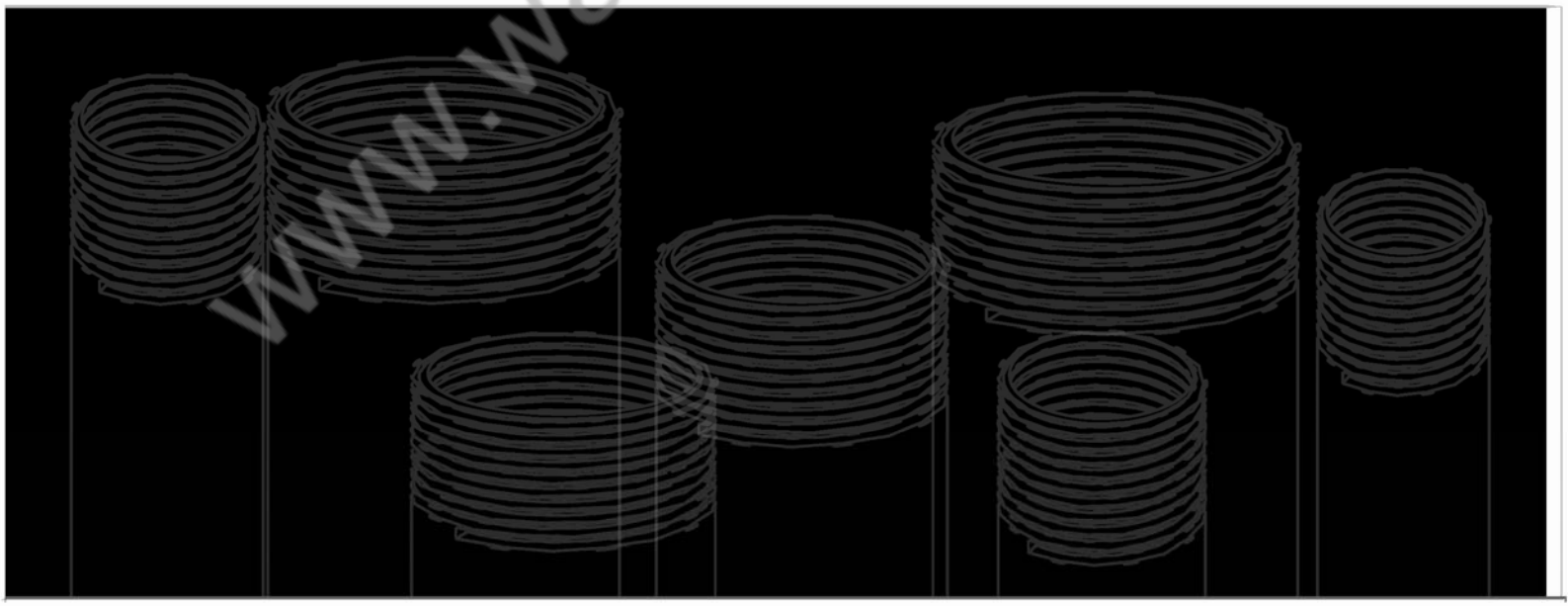
MOVING FORWARD WITH QUALITY

DAIWA
WHITECONDUIT

www.wangwatsadu.com



LISTED

TIS 770-2533

THAILAND TRUSTED QUALITY

WWW.DAIWACONDUIT.COM



TRUSTED BRAND FOR **30 Years**

DAIWA ELECTRICAL CONDUIT was firstly established in 1991 launching an elbow for EMT,IMC,RSC to the industrial market. With professional and good ethic business, our products always receive the highest satisfaction and reputable recognition nationwide. The company was consequently pursuant to business's rapid growth and converted to DAIWA INDUSTRIAL CO.,LTD.

DAIWA WHITECONDUIT

"MOVING FORWARD WITH QUALITY"



Vision : To be a specialized manufacturer in the provision of electrical conduit and accessories which positions " DAIWA " to be synonymous with reliability, efficiency, quality supremacy and client's supremacy.

Mission : 1. Superior quality products conforming to the national and international standard.
2. Provide quality supremacy with the most cost efficient way to ensure competitiveness of DAIWA through the provision of value added products and superior customer service.
3. Continuously development and self improvement to meet cutomer service.
4. JUST- IN - TIME Delivery.



DAIWA 's Scope of Product :

DAIWA : Full Hot Dip Galvanized (HDG)
Daiwa electrical conduit : Superior galvanizing by in-line hot-dipped process for greater protection against corrosion. DAIWA electrical conduit is hot dip galvanized inside and outside (full hot dip galvanized (HDG), so that metal - to metal contact and galvanic protection against corrosion.

Additionally, DAIWA electrical conduit is finished with durable and clear anti-corrosion coating for higher protection outside and higher grade epoxy coating inside.

Product

- EMT-HDG
- IMC-HDG
- RSC
- COUPLING & ELBOW

CERTIFICATIONS:

- **UL**
- **TIS 770-2533**
- **ISO 9001:2008**
- **THAILAND TRUSTED MARK**

UL LISTED

THAILAND TRUSTED QUALITY

www.wangwatsadu.com

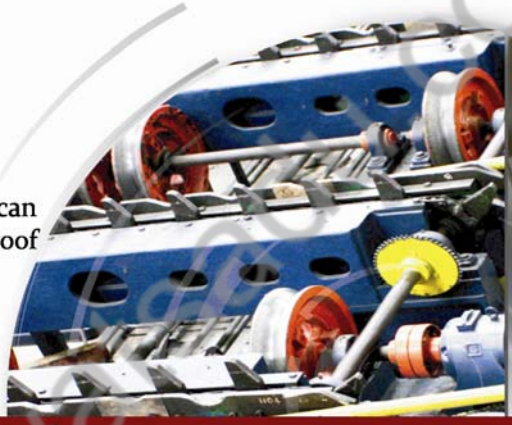
Raw Material



DAIWA conduit's raw material is prime quality.
We have brought top quality raw material from the utmost reliable mills from both outside and inside the country.
The quality control system ensures that specialized expertise is applied to each stage of our production.

DAIWA conduit are those with the advanced ERW technology which is excellent in quality, perfect in welding seam steady and fast in welding and great ability in production.
The technology "FFX" (Flexible tube forming Mill line) is the most modern Japan Technology wich we use in delivering top quality DAIWA's products.
We also adapt the American technology to ensure that we can deliver the outstanding products that are great in better proof for the best bending technique to ensure our client satisfaction

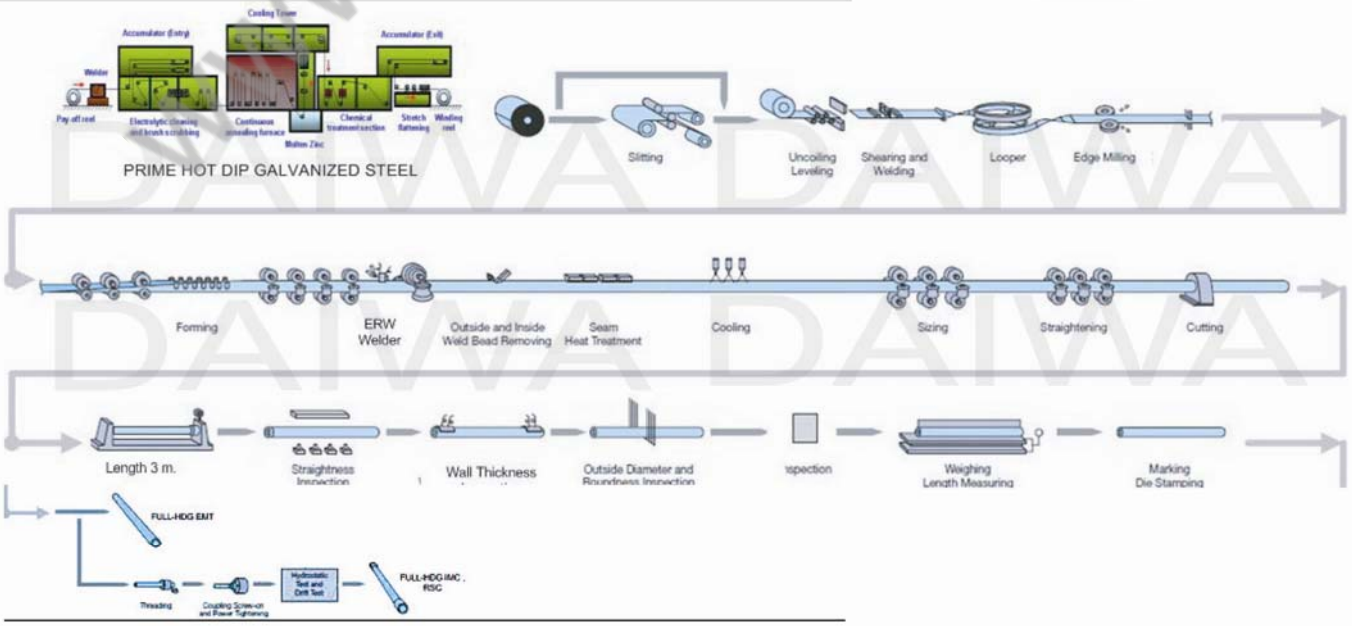




Production Process



HOT-DIP GALVANIZED STEEL PROCESS

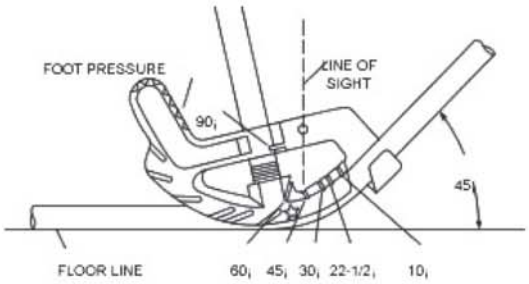


www.wangwaigroup.com
DAIWA DAIWA DAIWA DAIWA

Feature

1. EASY AND ACCURATE BENDING:

DAIWA electrical conduit is made of high quality steel and it's excellent ductility provides easy and accurate bending, cutting and joining to prevent waste of time and material



2. EASY WIRE PUSHING AND PULLING:

The high-grade stove epoxy resin coating on the inside wall makes wire-pulling easy, and protects against. Moreover, the good interior surface quality provides smooth continuous raceways for easy and fast wiring pulling.

3. HIGH CORROSION RESISTANCE :

Pure zinc coating on the exterior wall and stove epoxy resin finished on the inside protects electrical conduit from corrosion, even by harsh chemicals and sea air.







4. EASY COUPLING AND FAST INSTALLATION

Precise, sharp threads cut by automated machinery mean fast and easy installtion.Precise threads also makes our conduitvirtually moisture-tight.Additionally, threads are double protected.They are wll protected after cutting again by applicaton of molten zinc.

5.UNIFORM QUALITY:

Flat steel is rolled, Zinc-coated and threaded in one continuous automated process for uniform high quality.

Inspection

Although with the approval of the customer mill inspection may be considered final. The customer may specify another competent party to conduct the final inspection at his account. Such inspection should comply with all the specifications start in the contract. The customer may also secure. The presence of any competent person or persons at the inspection, provided that regular mill operations are not seriously hampered by their presence.





www.zhongwatsadu.com

EMT



PRODUCT : EMT- HDG

REFERENCE STANDARD : TIS 770-2533,ANSI C80.3,UL 797

Electrical Metallic Tubing (EMT), also commonly called thin-wall, is a listed steel raceway of circular cross section which is unthreaded, and nominally 10 feet long. Twenty foot lengths are also available. Covered by Article 358 of the NEC®,

EMT is available in trade sizes ½" through 2" The outside is galvanized for corrosion protection and the inside has an approved corrosion resistant organic coating. EMT is installed by use of set-screw or compression-type couplings and connectors. It is permitted to have an integral coupling which is comprised of an expanded, "belled" shape of tube on one end with set screws.





WEIGHTS AND DIMENSIONS

Trade Size Designator		Nominal Outside Diameter	Reference Inside Diameter	Reference Wall Thickness	Length	Minimum Weight Per 10 Unit Lengths
U.S.	Metric	mm.	mm.	mm.	mm.	kg.
1/2"	15	17.9	15.8	1.06	3050	12.9
3/4"	20	23.4	20.9	1.24	3050	19.7
1"	25	29.5	26.6	1.45	3050	29.0
1-1/4"	32	38.4	35.0	1.65	3050	43.1
1-1/2"	40	44.2	40.9	1.65	3050	49.9
2"	50	55.8	52.5	1.65	3050	63.5

Applicable Tolerances: Length ; +/- 6mm
Outside Diameter : for trade size 1/2" -2" : +/-0.13 mm

www.watsadu.com

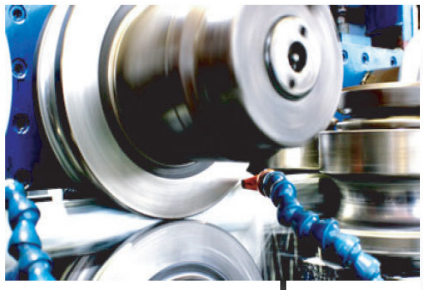
PRODUCT : IMC- HDG

REFERENCE STANDARD : TIS 770-2533,UL 1242



The product was developed in the 1970s. Intermediate Metal Conduit (IMC) is a lighter-weight, thinner wall alternative to rigid steel conduit. Covered under Article 342 in the NEC®, IMC is a listed threaded steel raceway of circular cross section with a coupling which can be either a standard straight-tapped conduit coupling or the integral type. Threads on the uncoupled end are covered by industry color-coded thread protectors which protect the threads, keep them clean and sharp, and aid in trade size recognition.

IMC is available in trade sizes ½" through 4" The nominal finished length of IMC with coupling is 10 feet.



Applicable Tolerances: Length ; +/- 6mm

Outside Diameter :
for trade size 1/2" -2" : +/-0.2 mm.
for trade size 2 1/2" - 4" : +/-0.3 mm.

Wall Thickness :
for trade size 1/2" -1" : + 0.40 mm.
for trade size 1-1/4" -4" : +0.50 mm



WEIGHTS AND DIMENSIONS

Trade Size Designator		Nominal Outside Diameter	Reference Wall Thickness	Length without Coupling	Minimum Weight Per 10 Unit Lengths without Couplings Attached
U.S.	Metric	mm.	mm.	mm.	kg.
1/2"	15	20.7	1.79	3030	25.4
3/4"	20	26.1	1.90	3030	34.6
1"	25	32.8	2.16	3025	49.9
1-1/4"	32	41.6	2.16	3025	64.3
1-1/2"	40	47.8	2.29	3025	79.1
2"	50	59.9	2.41	3025	105.2
2-1/2"	65	72.6	3.56	3010	186.2
3"	80	88.3	3.56	3010	229.0
3-1/2"	90	100.9	3.56	3005	263.0
4"	100	113.4	3.56	3005	296.1

www.wangwatsadu.com

PRODUCT : RSC- HDG

REFERENCE STANDARD : TIS 770-2533,ANSI C80.1,UL 6

RSC



The installation of Rigid Steel Conduit (RSC) is covered by Article 344 of the National Electrical Code® (NEC®). This article is entitled "Rigid Metal Conduit (RMC) and includes all requirements for all rigid metal conduits, including steel, stainless steel, aluminum, and red brass. Information on this STI website covers only rigid steel conduit.

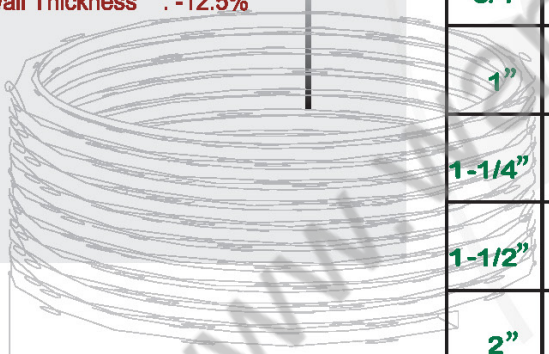
Rigid steel conduit is the heaviest-weight and thickest wall conduit. Where galvanized by the hot-dip process, it has a coating of zinc on both the inside and outside. RSC is non-combustible and can be used indoors, outdoors, underground, concealed or exposed.

Applicable Tolerances: Length ; +/- 6mm

Outside Diameter :

for trade size 1/2" -2" : +/-0.4 mm.
for trade size 2 1/2" - 4" : +/-0.6 mm.
for trade size 5" - 6 : +/-1.5 mm.

Wall Thickness : -12.5%



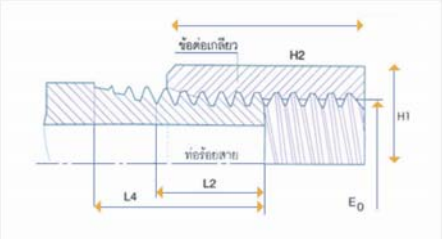


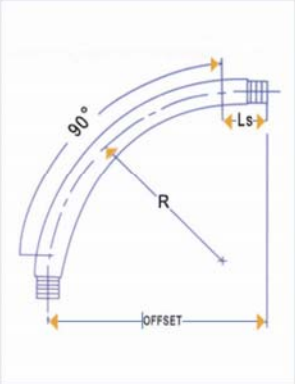
WEIGHTS AND DIMENSIONS

Trade Size Designator		Nominal Outside Diameter	Reference Wall Thickness	Length without Coupling	Minimum Weight Per 10 Unit Lengths without Couplings Attached
U.S.	Metric	mm.	mm.	mm.	kg.
1/2"	15	21.3	2.64	3030	35.8
3/4"	20	26.7	2.72	3030	47.6
1"	25	33.4	3.20	3025	69.4
1-1/4"	32	42.2	3.38	3025	91.1
1-1/2"	40	48.3	3.51	3025	113
2"	50	60.3	3.71	3025	151
2-1/2"	65	73.0	4.90	3010	239
3"	80	88.9	5.21	3010	310
3-1/2"	90	101.6	5.46	3005	373
4"	100	114.3	5.72	3005	441
5"	125	141.3	6.22	3000	596
6"	150	168	6.76	3000	792

www.thaiwatsadu.com

DIMENSION OF THREADS





Trade Size Designator		Number of Threads Per 25.4	L4 Total Length of Threads	L2 Effective Length of Threads	E0 Pitch Diameter at End of Conduit
U.S.	Metric	mm.	mm.	mm.	mm.
1/2"	15	14	19.8	13.5	19.26
3/4"	20	14	20.1	14.0	24.58
1"	25	11-1/2	24.9	17.3	30.83
1-1/4"	32	11-1/2	25.7	18.0	39.55
1-1/2"	40	11-1/2	26.2	18.3	45.62
2"	50	11-1/2	26.9	19.3	57.63
2-1/2"	65	8	39.9	29.0	69.08
3"	80	8	41.4	30.5	84.85
3-1/2"	90	8	42.7	31.8	97.47
4"	100	8	43.9	33.0	110.09
5"	125	8	46.7	35.8	136.93

Applicable Tolerances: Length ; +/-1 thread,recommended practic +0,-1
Pitch +/-1 turn is the maximum variation permitted from the gaging face of the woking thread guages



DIMENSION OF 90 DEGREE ELBOWS

Trade Size Designator		Metric Units	
		Minimum Radius to center of Tubing	Maximum Straight Length LS Each End
U.S.	Metric	mm.	mm.
1/2"	15	102	99.00
3/4"	20	114	109.50
1"	25	146	112.00
1-1/4"	32	184	158.00
1-1/2"	40	210	145.00
2"	50	241	179.00
2-1/2"	65	267	241.00
3"	80	330	260.00
3-1/2"	90	381	309.00
4"	100	406	297.00

DIMENSION OF COUPLINGS



Trade Size Designator		Outside Diameter	Pitch Diameter	Chamfer Diameter
U.S.	Metric	mm.	mm.	mm.
1/2"	15	41.3	20.68	20.27
3/4"	20	41.7	26.01	25.60
1"	25	50.0	32.59	32.00
1-1/4"	32	51.6	41.35	40.77
1-1/2"	40	52.4	47.45	46.86
2"	50	54.0	59.51	58.93
2-1/2"	65	81.0	71.83	71.12
3"	80	84.1	87.71	87.00
3-1/2"	90	86.5	100.01	99.70
4"	100	89.3	113.10	112.40
5"	125	100	140.10	140.20

Applicable tolerances:
Outside Diameter Tolerance: plus tolerances:
No requirement minus tolerances for trade size smaller than 1-1/4 :-0.04 mm.For trade size 1-1/4 and larger : 1%

www.wangwatsadu.com

Certification

■ CERTIFICATIONS:

- UL
- TIS 770-2533
- ISO 9001:2008
- THAILAND TRUSTED MARK



Project Reference











PUBLIC SECTOR:

- Suwanaphumi Airport
- BTS- Purple line
- PTT Chonburi
- Don Maung Airport
- The Electricity General Authority (Khao Laem Dam) (EGAT)
- The Electricity General Authority (Srinakarin Dam) (EGAT)
- The Metropolitan Electricity Authority (MEA)
- The Metropolitan Waterwork Authority (MWA)
- The Official Residence (APEC)
- Pa Aaw Dam
- Tha Dann Dam
- Thai Airways
- Bamrungrat Hospital
- Watchiralongkorn Building
- Chulalongkorn University
- Kingmongkut University of Technology Thonburi
- Kasetsart University

INDUSTRIAL SECTION :

- Continental Automotive Factory
- Toyota Tsusho
- Honda Facility
- Hoyu Cosmetic Factory
- Sanyo Kasei Factory
- Siam Aisin Factory
- Amata Nakorn Phase 4
- Rayong Galvanizing
- ISUZU Chaloemprakriat
- Ford Automotive Factory
- Cannon Factory
- Carterpilla Assembling Factory
- YS PUND NEW FACTORY บ้านโพธิ์
- FUJIKURA ELECTRONIC FACTORY

www.wanowatsadu.com

Project Reference







HIGH BUILDING & COMPLEX :

- Central Pattaya
- Siam Paragon
- Central World
- Dusit Resort & Polo Club
- CU Block L
- Piyathip Tower
- CP (Lang Suan)

CONDOMINIUM :

- Life @ Sathorn
- Life @Aree
- Life @ Huay Khwang
- Life @Suthisarn
- Q-House Sathorn
- The Room Sukhumvit64
- The Room Ratchada-Ladprao
- Centric Ratchavipha
- Sivatel / Sivayathorn
- Sala Sathorn
- The Address Chidlom
- Wind Sukhumvit 23
- Le Monaco
- Le Rich
- Siri@ Sukhumvit
- Empire Place
- The Coast Bangkok
- 185 Rajadamri
- The Zire Wongamat Pattaya
- Rich Park (Wongsawang)
- ASPIRE (Rama 9)
- Centric Tiwanon Station
- IDEO MOBI (Rama9)

INTERNATIONAL SECTION :

- Royal PP Phanompaign
- Paksae Airport
- Koh Kong Vietnam
- Australia Embassy (LAO)
- Premco , Phillipine Distributor
- Middle East Country









www.wanawatsadu.com

WWW.DAIWACONDUIT.COM

www.wangwatsadu.com



contact us :
www.daiwaconduit.com
Tel: 662 816 9315-6,
Fax: 662 816 9317
Email : contactdaiwa@gmail.com
999/9 M.9 Pornpattana proj.,Pachautit RD.,Naiklongbangplakod,
Phasamudjade,Samudprakarn,
10290 Thailand