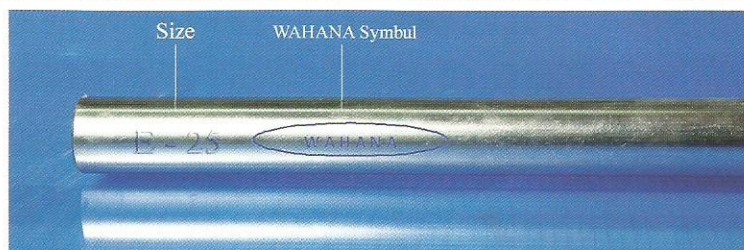


JIS Standard

WAHANA[®]



Superior galvanizing by a newly-developed in line galvanized process for greater protection against atmospheric corrosion and exterior erosion. Finished with a durable clear lacquer coat for additional protection. The stove-enameled inside surfaces prevent erosion and assure smooth wire pulling

Features

1) Easy and accurate bending

WAHANA Conduit is made of high quality steel and processed by high - frequency induction welding to prevent flattening and splitting.

2) Easy wire pushing and pulling

The high - grade stove enamel coating on the inside wall makes wire pulling easy and protect against corrosion.

3) Easy coupling and fast installation

Precise, sharp threads cut by automated machinery mean fast, easy installation. The precise threads also make our conduit virtually moisture tight.

4) High Corrosion Resistance

Pure Zinc coating on the exterior wall and stove enamel finish on the inside protect Conduit from corrosion, even by harsh chemical and sea air.

5) Uniform Quality

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

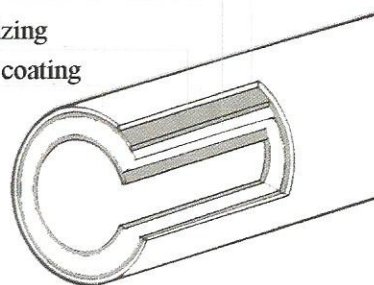
Cross sectional view of electrical conduit

Stove enamel coating

Base material

Galvanizing

lacquer coating



Plant Conduit E

Size	Outside Diameter		Approximate Inside Diameter		Nominal Wall Thickness		Weight Without Coupling		
	in	mm	in	mm	in	mm	Lbs/ft	Kg/ft	Kg/m
E 19	0.752	19.1	0.657	16.7	0.047	1.2	0.357	0.162	0.530
E 25	1.000	25.4	0.905	23.0	0.047	1.2	0.481	0.218	0.716
E 31	1.250	31.8	1.141	29.6	0.055	1.4	0.705	0.320	1.050
E 39	1.500	38.1	1.389	35.3	0.055	1.4	0.853	0.387	1.270
E 51	2.000	50.8	1.889	48.0	0.055	1.4	1.149	0.521	1.710
E 63	2.500	63.5	2.374	60.3	0.063	1.6	1.640	0.744	2.440
E 75	3.000	76.2	2.858	72.6	0.070	1.8	2.218	1.006	3.330

Length is 12 ft 3.660

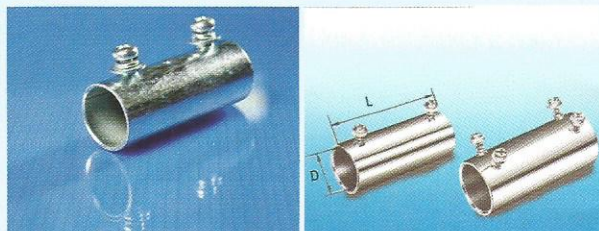
Applicable Tolerance ± 0.006 in. (0.15 mm) for E 51 and smaller sizes

Outside Diameter: ± 0.010 in (0.25 mm) for E 63 and E 75

Length : ± 0.197 in (5 mm)

Weight : -7%

Set Screw Coupling



- Sheet steel finished with zinc electroplating

Size	D	L	No. Of Screw	Weight (Kg)
E 19	19.6	57	2	0.07
E 25	25.9	67	2	0.10
E 31	32.3	76	4	0.14
E 39	38.6	86	4	0.24
E 51	51.3	95	4	0.33
E 63	64.2	105	4	0.45
E 75	76.9	114	4	0.57

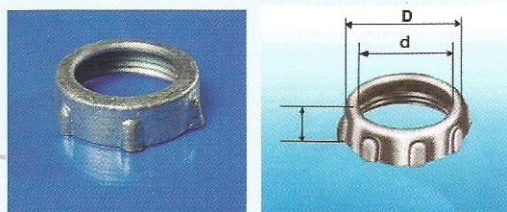
Set Screw Connector



- Sheet Steel finished with zinc plating with lock nut

Size	D	L1	L2	No. of Screw	Weight (kg)
E 19	19.6	12	20	1	0.08
E 25	25.9	13	20	1	0.08
E 31	32.3	14	23	2	0.13
E 39	38.6	16	25	2	0.18
E 51	51.3	16	25	2	0.29
E 63	64.2	18	30	2	0.33
E 75	76.9	20	35	2	0.43

Bushing



- Sheet steel finished with zinc electroplating

Size	d	D	L	Weight (kg)
E 19	16	23	9	0.01
E 25	22	30	10	0.02
E 31	29	36	12	0.03
E 39	35	43	13	0.04
E 51	48	57	15	0.05
E 63	60	70	16	0.10
E 75	72	83	20	0.18

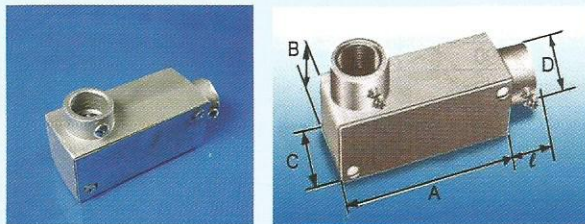
Locknut



- Sheet steel finished with zinc electroplating

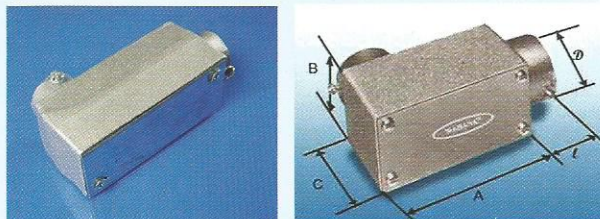
Size	A	T	Weight (kg)
E 19	24	3	0.005
E 25	32	3	0.007
E 31	38	4	0.013
E 39	45	4	0.017
E 51	65	5	0.033
E 63	79	5	0.042
E 75	93	5	0.054

Set Screw Universal LL Type "Aluminum"



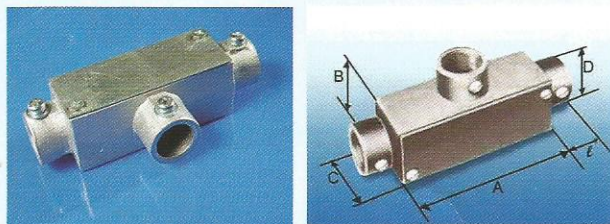
Size	A	B	C	D	ℓ	Weight (kg)
E 19	90	33	35	28	18	0.38
E 25	95	40	42	35	20	0.47
E 31	110	45	47	42	20	0.63
E 39	120	60	62	50	25	1.1
E 51	120	60	63	60	25	1.2
E 63	165	75	78	72	25	1.9

Set Screw Universal LB Type "Aluminum"



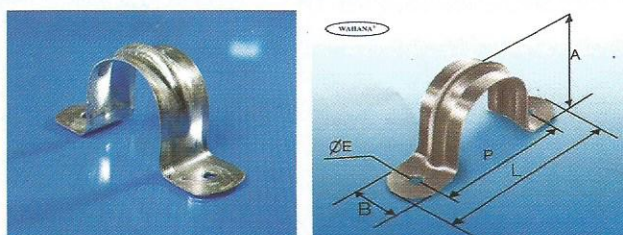
Size	A	B	C	D	ℓ	Weight (kg)
E 19	90	33	35	28	18	0.38
E 25	95	40	42	35	20	0.47
E 31	110	45	47	42	20	0.63
E 39	120	60	62	50	25	1.1
E 51	120	60	63	60	25	1.2
E 63	165	75	78	72	25	1.9

Set Screw Universal T Type "Aluminum"



Size	A	B	C	D	ℓ	Weight (kg)
E 19	90	33	35	28	18	0.38
E 25	95	40	42	35	20	0.47
E 31	110	45	47	42	20	0.63
E 39	120	60	62	50	25	1.1
E 51	120	60	63	60	25	1.2
E 63	165	75	78	72	25	1.9

Sadle Clamp

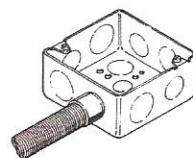


- Sheet steel finished with zinc plating

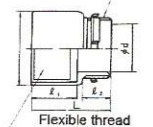
Size	A	B	L	P	E	Weight (kg)
E 19	17.6	15	60	40	5	0.009
E 25	23.9	20	70	50	5	0.014
E 31	30.3	25	85	60	5.5	0.029
E 39	36.6	25	95	70	5.5	0.032
E 51	49.3	25	110	85	5.5	0.055
E 63	62.0	25	130	105	5.5	0.065
E 75	74.7	30	150	120	6.5	0.090

Box Connector

- Used to Connector Flexible Metal Conduit to Various types of Boxes



Electrical conduit thread



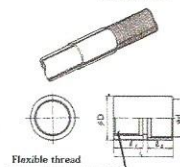
Size	D	d	L	ℓ1	ℓ2	Weight (kg)
E 19	24.7	15.0	31	18	10	0.038
E 25	31.9	21.0	35	20	12	0.052
E 31	38.3	27.0	39	22	14	0.10
E 39	47.1	33.0	45	25	16	0.18
E 51	59.1	45.0	45	25	16	0.26
E 63	74.3	56.0	64	35	18	0.33
E 75	88.1	70.0	66	35	20	0.385

Combination Coupling

- Used to connector an electrical conduit to flexible metal conduit.
When used with plain steel conduits thread cutting is unnecessary
Only a screwdriver is needed



Flexible thread



Size	D	d	L	ℓ1	ℓ2	Weight (kg)
E 19	24.7	15.0	31	18	10	0.038
E 25	31.9	21.0	35	20	12	0.052
E 31	38.3	27.0	39	22	14	0.10
E 39	47.1	33.0	45	25	16	0.18
E 51	59.1	45.0	45	25	16	0.26
E 63	74.3	56.0	64	35	18	0.33
E 75	88.1	70.0	66	35	20	0.385

Size	D	d	L	ℓ1	ℓ2	Weight (kg)
G 16	25.5	19.2	40.0	18	10.0	0.038
G 22	34.0	24.7	40.0	20	12.0	0.052
G 28	40.0	31.0	50.0	22	14.0	0.10
G 36	48.6	39.7	56.0	25	16.0	0.18
G 42	60.3	45.6	56.0	25	16.0	0.26
G 54	76.2	57.6	72.5	35	18	0.38
G 70	88.9	73.1	80.5	35	20	0.385
G 82	98.0	85.5	80.5	35	20	0.385
G 92	114.3	98.3	86.0	35	20	0.385
G 104	120.0	111.0	99.0	35	20	0.385