

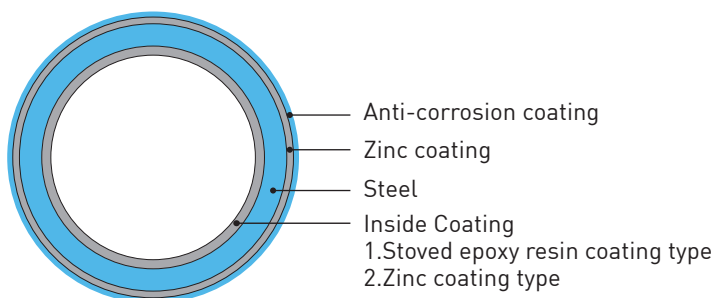
Excellent corrosion resistance and durability.
This helps save on labor for pipe laying work.



WHITE CONDUIT PIPE (UL,BS)

Superior galvanizing by in-line hot-dip process for greater protection against corrosion. Finished with durable and clear anti-corrosion coating for higher protection outside and higher grade epoxy coating inside.

CROSS-SECTIONAL VIEW OF Panasonic WHITE CONDUIT



Underwriters
Laboratories Inc.®

Standards

Panasonic WHITE CONDUIT is available in Three types conforming to the following standards:

- *UL/ANSI (EMT, IMC and RSC)
- *BS (BS31-1940 and BS4568-1970)
- *JIS (Plain, Thin Wall and Thick Wall)

Features

1. Easy and Accurate Bending

Panasonic WHITE CONDUIT is made of high quality steel and processed by high frequency induction welding to prevent cracking when bend.

2. Easy Wire Pushing and Pulling

The high-grade stoved epoxy resin coating on the inside wall makes wire-pulling easy, and protects conduit against corrosion.

3. Easy Coupling and Fast Installation

Precise, sharp threads cut by automated machinery ensures fast and easy installation. Precise thread also makes our conduit virtually moisture-tight.

4. High Corrosion Resistance

Pure zinc coating on the exterior wall and stoved epoxy resin finish on the inside protects WHITE CONDUIT from corrosion, even by harsh chemicals and sea air.

5. Uniform Quality

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

WHITE CONDUIT PIPE
(UL,BS)

STAINLESS STEEL
CONDUIT PIPE

PHOTOVOLTAIC MODULE HIT™

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Flow Chart of Manufacturing Process

1. Uncoiling

High quality strip steel coils are uncoiled and sent to the forming mills.

2. Coil-End Welding

Both ends of the coils are welded to form a single strip.

3. Temporary Coil-Storing

Strip steel is stored here temporarily for coil end welding without stopping the main line.

4. Cleaning

All surface scale and oil on the strip steel are removed to assure accurate forming and rigid welding.

5. Forming

The flat strip steel is rolled into basic tubing.

6. Welding

Basic tubes are welded by a high frequency induction welder. This type of welding assures rigidity, splitting-resistance and effectively eliminates inside flash.

7. Inside Coating

The inside wall of the conduit is coated with epoxy resin.

8. Cleaning

All surface scale and oil are removed from the tubing prior to galvanizing.

9. In-line Hot-Dip Galvanizing

The exterior of the tubing is uniformly and rigidly galvanized by a patented inline hot dip process.

10. Cooling

The heated galvanized tubing is cooled.

11. Sizing

The cooled, galvanized tubing is rolled to precise outside diameters in accordance with customer specifications.

12. Anti-Corrosion Coating

For protection in addition to zinc coating, the galvanized surface is finished with a clear anti-corrosion coating.

13. Cutting

Tubing is square-cut to the specified lengths.

14. Chamfering and Threading

Both ends of the cut conduit are chamfered and threaded to precise tolerance.

15. Marking

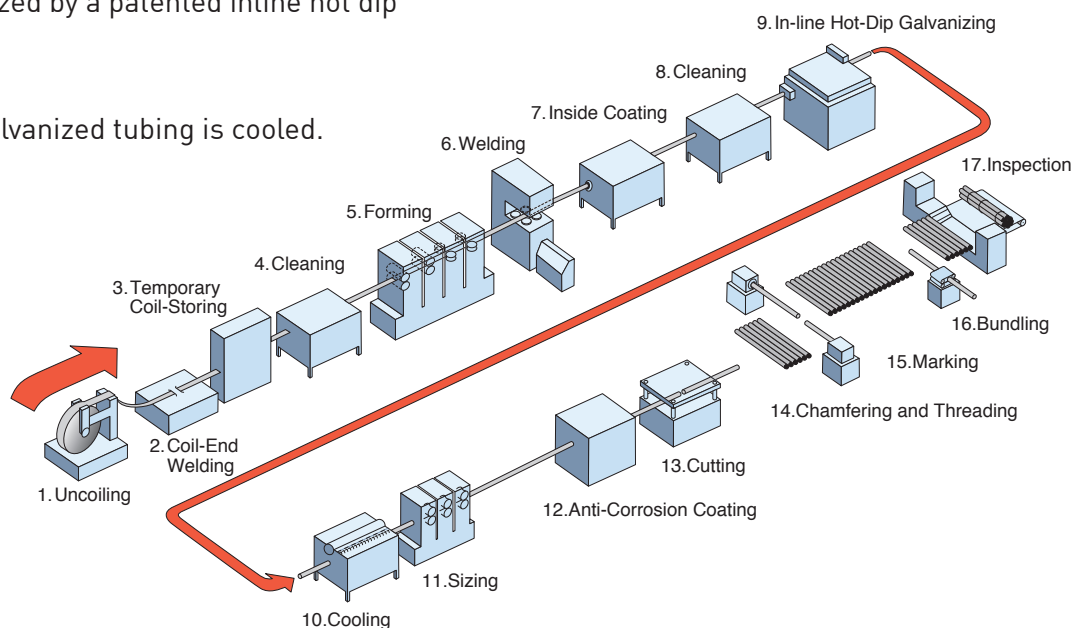
Brand name, size, standards, production codes, etc. are marked on the conduit.

16. Bundling

Finished conduit is steel strapped into approximately one metric ton bundle.

17. Inspection

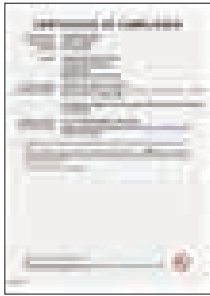
At all steps of production, strict quality control is enforced. Unless customer specifies UL, or other certificates, all conduit is inspected according to factory specifications.



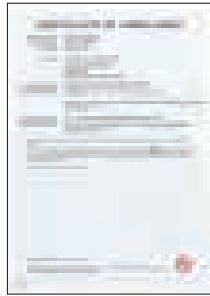
WHITE CONDUIT PIPE (UL,BS)

ANSI/UL

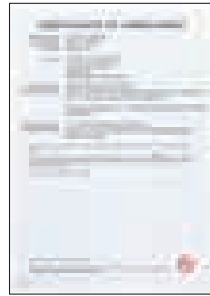
Certification



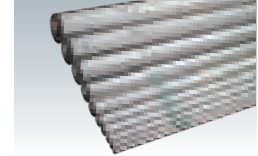
UL 797



UL 1242



UL 6



EMT (Electrical Metallic Tubing)

Listed by "UL" File No.E-44051

UL 797 / ANSI C80.3

Item No.	Size (inch)	Outside Diameter (mm)	Minimum Wall Thickness (mm)	Length (mm)	Nominal Weight (Kg/pc)	Primary Bundle (pcs)	Master Bundle (Pcs)
DWE012Y	1/2	17.93	1.02	3,048	1.46	10	500
DWE034Y	3/4	23.42	1.18	3,048	2.21	10	300
DWE100Y	1	29.54	1.37	3,048	3.08	5	200
DWE114Y	1-1/4	38.35	1.57	3,048	4.74	5	125
DWE112Y	1-1/2	44.20	1.57	3,048	5.49	5	100
DWE200Y	2	55.80	1.57	3,048	6.99	3	75
DWE212Y	2-1/2"	73.03	1.74	3,048	9.80	-	40
DWE300Y	3"	88.90	1.74	3,048	11.99	-	30
DWE312Y	3'1/2"	101.60	1.97	3,048	15.80	-	20
DWE400Y	4"	114.30	1.99	3,048	17.81	-	20

IMC (Intermediate Metal Conduit)

Listed by "UL" File No.E-62193

UL 1242 / ANSI C80.6

Item No.	Size (inch)	Outside Diameter (mm)	Minimum Wall Thickness (mm)	Length (mm)	Nominal Weight (Kg/pc)	Primary Bundle (pcs)	Master Bundle (Pcs)
DWM012Y	1/2	20.70	1.79	3,030	2.85	10	300
DWM034Y	3/4	26.14	1.90	3,030	3.94	10	250
DWM100Y	1	32.77	2.16	3,025	5.23	5	125
DWM114Y	1-1/4	41.59	2.16	3,025	7.48	3	75
DWM112Y	1-1/2	47.81	2.29	3,025	8.67	3	75
DWM200Y	2	59.93	2.41	3,025	11.65	-	50
DWM212Y	2-1/2	72.56	3.56	3,010	18.71	-	40
DWM300Y	3	88.29	3.56	3,010	22.87	-	30
DWM312Y	3-1/2	100.86	3.56	3,005	26.43	-	20
DWM400Y	4	113.40	3.56	3,005	29.84	-	15

RSC (Rigid Steel Conduit)

Listed by "UL" File No.E-157617

UL 6 / ANSI C80.1

Item No.	Size (inch)	Outside Diameter (mm)	Nominal Wall Thickness (mm)	Length (mm)	Nominal Weight (Kg/pc)	Primary Bundle (pcs)	Master Bundle (Pcs)
DWR012Y/ZY	1/2	21.34	2.64	3,030	3.75	10	300
DWR034Y/ZY	3/4	26.67	2.72	3,030	4.96	10	250
DWR100Y/ZY	1	33.40	3.20	3,025	7.33	5	125
DWR114Y/ZY	1-1/4	42.16	3.38	3,025	9.97	3	75
DWR112Y/ZY	1-1/2	48.26	3.51	3,025	11.94	3	75
DWR200Y/ZY	2	60.33	3.71	3,025	16.00	-	50
DWR212Y/ZY	2-1/2	73.03	4.90	3,010	25.62	-	40
DWR300Y/ZY	3	88.90	5.21	3,010	33.43	-	30
DWR400Y/ZY	4	114.30	5.72	3,005	47.38	-	15
DWR500Y/ZY	5	141.30	6.22	2,995	64.38	-	10
DWR600Y/ZY	6	168.28	6.76	2,995	84.05	-	5

*Note: Z Items are hot-dip galvanized both inside and outside.

WHITE CONDUIT PIPE (UL,BS)

STAINLESS STEEL CONDUIT PIPE

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ANSI/UL Accessories

Normal Bends (for EMT)

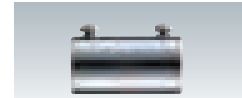
Listed by "UL" File No. E-44051

UL797



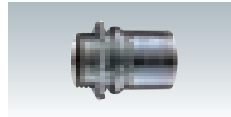
Item No.	Size (inch)	Standard Pack (Pcs/Box)	Weight (Kg/pc)
DSE 04012Y	1/2	80	0.10
DSE 04034Y	3/4	35	0.20
DSE 04100Y	1	36	0.40
DSE 04114Y	1-1/4	20	0.60
DSE 04112Y	1-1/2	28	0.80
DSE 04200Y	2	15	1.10
DSE 04400Y	4	4	6.30

Couplings (Steel) (for EMT)



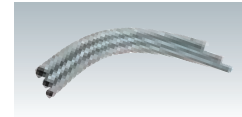
Item No.	Size (inch)	Standard Pack (Pcs/Box)	Weight (Kg/pc)
DSE 01012Y	1/2	300	0.038
DSE 01034Y	3/4	200	0.071
DSE 01100Y	1	100	0.095
DSE 01114Y	1-1/4	60	0.147
DSE 01112Y	1-1/2	60	0.178
DSE 01200Y	2	30	0.261

Connector (Steel) (for EMT)



Item No.	Size (inch)	Standard Pack (Pcs/Box)	Weight (Kg/pc)
DFM 020122Y	1/2	300	0.040
DFM 020342Y	3/4	200	0.066
DFM 021002Y	1	100	0.086

Flexible Conduit



Item No.	Size (inch)	Outside Diameter (mm)	Standard Pack (m/Roll)	Weight (Kg/pc)
DME 012	1/2	21.84-23.37	30	7.80
DME 034	3/4	26.54-28.07	30	9.70
DME 100	1	33.02-35.05	15	5.80

Connector (Steel) (for EMT) - Set Screw type/UL listed



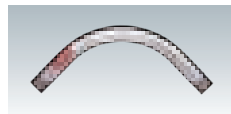
Item No.	Size (inch)	Standard Pack (Pcs/Box)	Weight (Kg/pc)
DFU 020122Y	1/2	300	0.033
DFU 020342Y	3/4	200	0.048
DFU 021002Y	1	100	0.068
DFU 021142Y	1-1/4	60	0.136
DFU 021122Y	1-1/2	60	0.166
DFU 022002Y	2	60	0.242
DFU 022122Y	2-1/2	20	0.512
DFU 023002Y	3	15	0.766
DFU 024002Y	4	10	1.066

Connector (Steel) (for EMT) - Compression type/UL listed



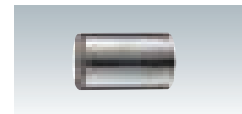
Item No.	Size (inch)	Standard Pack (Pcs/Box)	Weight (Kg/pc)
DSE 22012Y	1/2	300	0.049
DSE 22034Y	3/4	200	0.075
DSE 22100Y	1	100	0.109
DSE 22114Y	1-1/4	60	0.185
DSE 22112Y	1-1/2	60	0.251
DSE 22200Y	2	45	0.332

Normal Bends (for IMC)



Item No.	Size (inch)	Standard Pack (Pcs/Box)	Weight (Kg/pc)
DFM 13012Y	1/2	54	0.30
DFM 13034Y	3/4	50	0.40
DFM 13100Y	1	30	0.80
DFM 13114Y	1-1/4	36	1.00
DFM 13112Y	1-1/2	21	1.40
DFM 13200Y	2	10	2.50
DFM 13212Y	2-1/2	1	4.80
DFM 13300Y	3	1	6.60
DFM 13312Y	3-1/2	1	8.90
DFM 13400Y	4	1	12.30

Couplings (Steel) (for IMC)



Item No.	Size (inch)	Standard Pack (Pcs/Box)	Weight (Kg/pc)
DFM 11012Y	1/2	250	0.059
DFM 11034Y	3/4	200	0.090
DFM 11100Y	1	150	0.125
DFM 11114Y	1-1/4	100	0.187
DFM 11112Y	1-1/2	100	0.219
DFM 11200Y	2	40	0.330
DFM 11212Y	2-1/2	18	0.770
DFM 11300Y	3	18	0.837
DFM 11312Y	3-1/2	12	1.182
DFM 11400Y	4	12	1.336

WHITE CONDUIT PIPE
(UL, BS)

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ANSI/UL Accessories



Normal Bends (for RSC)

Item No.	Size (inch)	Standard Pack (Pcs/Box)	Weight (Kg/pc)
DFR 13012Y/ZY	1/2	54	0.32
DFR 13034Y/ZY	3/4	50	0.46
DFR 13100Y/ZY	1	30	0.88
DFR 13114Y/ZY	1-1/4	36	1.60
DFR 13112Y/ZY	1-1/2	21	2.11
DFR 13200Y/ZY	2	10	3.20
DFR 13212ZY	2-1/2	1	5.70
DFR 13300ZY	3	1	9.12
DFR 13312ZY	3-1/2	1	17.02
DFR 13400ZY	4	1	18.48



Couplings (Steel) (for RSC)

Item No.	Size (inch)	Standard Pack (Pcs/Box)	Weight (Kg/pc)
DFR 11012Y/ZY	1/2	250	0.059
DFR 11034Y/ZY	3/4	200	0.090
DFR 11100Y/ZY	1	150	0.125
DFR 11114Y/ZY	1-1/4	100	0.187
DFR 11112Y/ZY	1-1/2	100	0.219
DFR 11200Y/ZY	2	40	0.330
DFR 11212ZY	2-1/2	18	0.770
DFR 11300ZY	3	18	0.837
DFR 11312ZY	3-1/2	12	1.182
DFR 11400ZY	4	12	1.336



Couplings (Steel) (for EMT) - Set Screw type/UL listed

Item No.	Size (inch)	Standard Pack (Pcs/Box)	Weight (Kg/pc)
DSU 01012Y	1/2	300	0.031
DSU 01034Y	3/4	200	0.047
DSU 01100Y	1	100	0.068
DSU 01114Y	1-1/4	60	0.147
DSU 01112Y	1-1/2	60	0.205
DSU 01200Y	2	30	0.248
DSU 01212Y	2-1/2	20	0.640
DSU 01300Y	3	15	0.916
DSU 01400Y	4	10	1.188



Couplings (Steel) (for EMT) - Compression type/UL listed

Item No.	Size (inch)	Standard Pack (Pcs/Box)	Weight (Kg/pc)
DSE 21012Y	1/2	300	0.051
DSE 21034Y	3/4	200	0.084
DSE 21100Y	1	100	0.144
DSE 21114Y	1-1/4	60	0.203
DSE 21112Y	1-1/2	60	0.262
DSE 21200Y	2	30	0.336

WHITE CONDUIT PIPE (UL,BS)

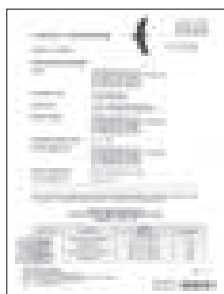
STAINLESS STEEL CONDUIT PIPE

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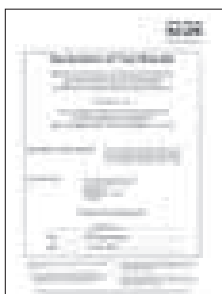
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BS

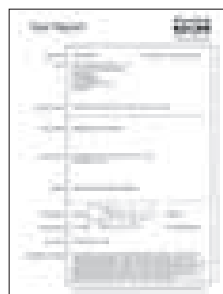
Certification



BS 31



BS 4568 : Part 1



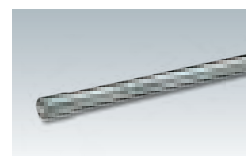
BS 4568 : Part 2

BS31

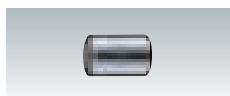
Threaded Conduit - Medium / Heavy Protection (Class 3)

BS31:1940

Item No.	Size (inch)	Outside Diameter (mm)	Nominal Wall Thickness (mm)	Length (mm)	Nominal Weight (kg/pc)	Primary Bundle (pcs)	Master Bundle (pcs)
DWB 0343S	3/4	18.92	1.60	3,048	2.11	10	350
DWB 0343L				3,810	2.63	10	350
DWB 1003S	1	25.27	1.60	3,048	2.90	10	250
DWB 1003L				3,810	3.61	10	250
DWB 1143S	1-1/4	31.62	1.60	3,048	3.69	7	210
DWB 1143L				3,810	4.59	7	210
DWB 1123S	1-1/2	37.96	1.80	3,048	5.00	5	150
DWB 1123L				3,810	6.23	5	150
DWB 2003S	2	50.66	2.00	3,048	7.49	3	90
DWB 2003L				3,810	9.32	3	90



Couplings (Steel)



Item No.	Size (inch)	Standard Pack (pcs)	Weight kg/pc
DFB 11034	3/4	500	0.028
DFB 11100	1	300	0.048
DFB 11114	1-1/4	250	0.076
DFB 11112	1-1/2	100	0.110
DFB 11200	2	100	0.176

BS4568

Threaded Conduit - Medium / Heavy Protection (Class 3)

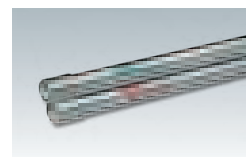
BS4568:Part 1:1970

Item No.	Size (mm)	Outside Diameter (mm)	Nominal Wall Thickness (mm)	Length (mm)	Nominal Weight (kg/pc)	Primary Bundle (pcs)	Master Bundle (pcs)
DWB 0203	20	19.85	1.60	3,750	2.72	10	350
DWB 0253	25	24.80	1.60	3,750	3.48	10	250
DWB 0323	32	31.80	1.60	3,750	4.54	7	210

Threaded Conduit - Heavy Protection (Class 4)

BS4568:Part 1:1970

Item No.	Size (mm)	Outside Diameter (mm)	Nominal Wall Thickness (mm)	Length (mm)	Nominal Weight (kg/pc)	Primary Bundle (pcs)	Master Bundle (pcs)
DWB 0204	20	19.85	1.60	3,750	2.92	10	350
DWB 0254	25	24.80	1.60	3,750	3.71	10	250
DWB 0324	32	31.80	1.60	3,750	4.84	7	210



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BS Accessories

Couplings-Heavy Protection (Class3)

BS4568: Part 1: 1970



Item No.	Size (mm)	Standard (pcs/Box)	Weight kg/pc
DFB 110203	20	500	0.036
DFB 110253	25	300	0.052
DFB 110323	32	250	0.078

Couplings-Heavy Protection (Class4)

BS4568: Part 1: 1970



Item No.	Size (mm)	Standard (pcs/Box)	Weight kg/pc
DFB 110204	20	500	0.036
DFB 110254	25	300	0.052
DFB 110324	32	250	0.078

Circular Boxes Malleable (Deep)

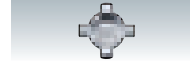
BS4568: Part 2: 1970



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc	
		Inner box	Outer box		
DSG 3120	Terminal	20	5	40	0.46
DSG 3220	Through	20	5	40	0.48
DSG 3320	Tee	20	5	40	0.48
DSG 3420	Intersection	20	5	40	0.50
DSG 3520	Angle	20	5	40	0.52

Circular Boxes Malleable (Standard)

BS4568: Part 2: 1970



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc	
		Inner box	Outer box		
DSG 2120	Terminal	20	10	80	0.24
DSG 2220	Through	20	10	80	0.26
DSG 2320	Tee	20	10	80	0.26
DSG 2420	Intersection	20	10	80	0.28
DSG 2520	Angle	20	10	80	0.30

Circular Boxes Malleable (Standard)

BS4568: Part 2: 1970



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc	
		Inner box	Outer box		
DSG 2125	Terminal	25	10	80	0.26
DSG 2225	Through	25	10	80	0.28
DSG 2325	Tee	25	10	80	0.28
DSG 2425	Intersection	25	10	80	0.30
DSG 2525	Angle	25	10	80	0.32

Elbows Malleable (Normal)



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc
		Inner box	Outer box	
DSG 0520	20	15	150	0.14
DSG 0525	25	10	80	0.28

Elbows Malleable (Inspection)



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc
		Inner box	Outer box	
DSG 0520-C	20	15	150	0.15
DSG 0525-C	25	10	80	0.30

Bends (Normal)



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc
		Inner box	Outer box	
DSG 0720	20	10	120	0.15
DSG 0725	25	6	72	0.26

Bends Malleable (Inspection)



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc
		Inner box	Outer box	
DSG 0720-C	20	10	100	0.19
DSG 0725-C	25	10	80	0.25

Tees Malleable (Inspection)



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc
		Inner box	Outer box	
DSG 0920-C	20	10	100	0.19
DSG 0925-C	25	10	80	0.25

Circular Box Covers



Item No.	Standard Pack (pcs)		Weight kg/pc
	Inner box	Outer box	
DSG 2620	150	600	0.04

Extension Malleable



Item No.	Standard Pack (pcs)		Weight kg/pc
	Inner box	Outer box	
DSG 138	12	120	0.21

Saddles (Spacer Bar)



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc
		Inner box	Outer box	
DSG 0620	20	200	800	0.025
DSG 0625	25	200	800	0.028
DSG 0632	32	100	400	0.038

Saddles (Distance)



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc
		Inner box	Outer box	
DSG 0820	20	100	400	0.066
DSG 0825	25	60	240	0.078
DSG 0832	32	40	160	0.124

Locknuts (Heavy Gauge)



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc
		Inner box	Outer box	
DSG 0020	20	200	800	0.018
DSG 0025	25	100	400	0.038
DSG 0032	32	100	400	0.047

Locknuts (Light gauge)



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc
		Inner box	Outer box	
DSG 0420	20	300	1,200	0.009
DSG 0425	25	200	800	0.014
DSG 0432	32	150	600	0.023

Brass Male Bushings (Long)



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc
		Inner box	Outer box	
DSG 0120	20	100	1,000	0.016
DSG 0125	25	50	500	0.028
DSG 0132	32	25	250	0.044

Brass Male Bushings (Short)



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc
		Inner box	Outer box	
DSG 0220	20	100	1,000	0.014
DSG 0225	25	50	500	0.020
DSG 0232	32	50	500	0.024

Brass Female Bushings



Item No.	Size (mm)	Standard Pack (pcs)		Weight kg/pc
		Inner box	Outer box	
DSG 0320	20	200	2,000	0.007
DSG 0325	25	150	1,500	0.010
DSG 0332	32	100	1,000	0.011

WHITE CONDUIT PIPE
(UL,BS)

STAINLESS STEEL
CONDUIT PIPE

PHOTOVOLTIC MODULE HIT™

PRODUCT NUMBER INDEX
COMBINATION MODEL NUMBER INDEX