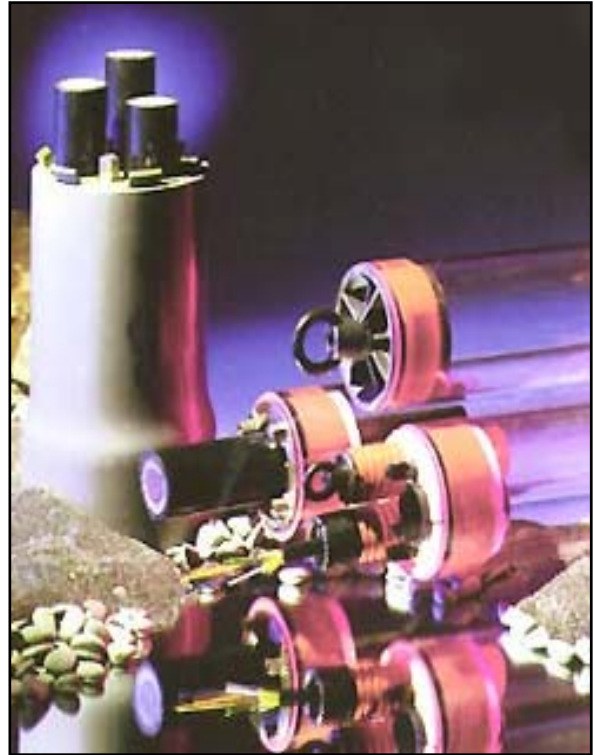


ORDERING GUIDE FOR JACKMOON PRODUCTS



*This document provides assistance with the ordering of JACKMOON PRODUCTS.
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1. INTRODUCTION

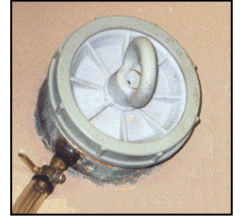
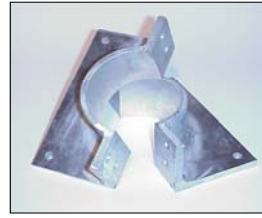
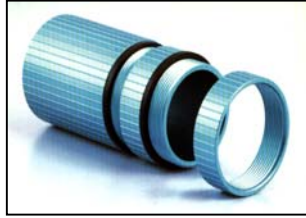
- The JACKMOON product group can be split into three sections, Duct Sealing Equipment, Duct Coupling Equipment and Accessories to provide a reliable, quick and easy-to-use system to organize and protect a duct network systems used in telecommunications from the Head-end to the End-user.
 - ◆ **Duct Sealing Equipment** includes a comprehensive range of plugs to seal empty and utilized duct networks. All products are removable and re-useable to allow the repair and upgrade of the network system. Materials used are corrosion proof.



- ◆ **Duct Coupling Equipment** includes a range of mechanical products to connect a wide variety of ducts. Many products are designed for use with cable blowing equipment.



- ◆ **Accessories** include Pulling Eyes for installing inner-duct into main duct, Termination Connectors for fixing inner-duct to a junction box or cabinet, Controlled Environment Vault Glands for protecting hazardous areas.



2. DUCT SEALING EQUIPMENT

2.1. BLANK PLUGS



Part No.	Duct Inside Diameter (I.D.) Range		Standard Package
	Inches	mm	Quantity
07D100U	0.7	18-26	50
10D104U	1	24-30	50
12D148U	1-1/4	29-38	50
15D183U	1-1/2	38-46	50
20D236U	2	46-60	50
25D291U	2-1/2	59-74	50
30D346U	3	76-88	50
35D400U	3-1/2	87-102	50
40D402U	4	100-110	50
50D535U	5	127-136	50
60D637U	6	148-162	36
80D816U	8	199-210	15

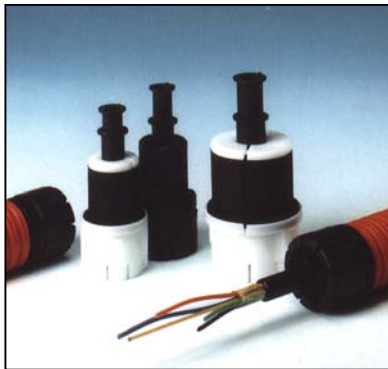
When selecting a Blank Plug,

- Determine the INTERNAL DIAMETER of the duct or bore and select the correct plug from the range.

NOTES;

- Make sure you know the **minimum** internal diameter. Some ducts quoted at 100mm internal diameter (nominal) might be only 98mm.
- Also, given the outside diameter, determine the **minimum** O.D. and the maximum wall thickness and calculate the **minimum** I.D.

2.2. FIBRE OPTIC SIMPLEX PLUGS



Part No.	Duct Inside Diameter (I.D.) Range		Cable Outside Diameter (O.D.) Range		Standard Package Quantity
	Inches	mm	Inches	mm	
06S038SB	0.63-0.70	16.0 - 18.0	0.26 - 0.38	7.0 - 10.0	50
07S057SB		18.5 - 20.0		10 - 14.5	50
09S050SB	0.93 - 1.02	23.5 - 26.0	0.35 - 0.50	9.0 - 12.7	50
10S035S	1.00 - 1.14	25.5 - 29.0	0.20 - 0.35	9.0 - 13.0	50
10S057SB	1.00 - 1.14	25.5 - 29.0	0.35 - 0.57	9.0 - 14.5	50
10S070SB	1.00 - 1.06	25.5 - 27.0	0.50 - 0.70	13.0 - 18.0	50
11S057SB	1.12 - 1.26	28.5 - 32.0	0.35 - 0.57	9.0 - 14.5	50
11S070SB	1.12 - 1.26	28.5 - 32.0	0.50 - 0.70	13.0 - 18.0	50
11S078S	1.12 - 1.26	28.5 - 32.0	0.70 - 0.78	18.0 - 19.8	50
11S084SG		28.5-32.0		21.0-21.5	50
12S035S	1.22 - 1.36	31.0 - 34.5	0.20 - 0.35	5.0 - 9.0	50
12S057SB	1.22 - 1.36	31.0 - 34.5	0.35 - 0.57	9.0 - 14.5	50
12S070SB	1.22 - 1.36	31.0 - 34.5	0.57 - 0.70	13.0 - 18.0	50
12S090SB	1.24 - 1.34	31.5 - 34.0	0.70 - 0.90	18.0 - 23.0	50
12S098SG	1.24 - 1.26	31.5 - 32.0	0.95 - 0.96	24.0 - 24.5	50
13S057SB	1.38 - 1.49	35.0 - 38.0	0.35 - 0.57	9.0 - 14.5	50
13S070SB	1.38 - 1.49	35.0 - 38.0	0.50 - 0.70	13.0 - 18.0	50
13S097SB	1.38 - 1.49	35.0 - 38.0	0.70 - 0.97	18.0 - 24.5	50
15S057SB	1.50 - 1.65	38.0 - 42.0	0.35 - 0.57	9.0 - 14.5	50
15S070SB	1.50 - 1.65	38.0 - 42.0	0.50 - 0.70	13.0 - 18.0	50
15S090SB	1.50 - 1.65	38.0 - 42.0	0.70 - 0.90	18.0 - 23.0	50
15S110SB	1.50 - 1.65	38.0 - 42.0	0.90 - 1.10	23.0 - 28.0	50
15S070AB	1.57 - 1.73	40.0 - 44.0	0.50 - 0.70	13.0 - 18.0	50
15S090AB	1.57 - 1.73	40.0 - 44.0	0.70 - 0.90	18.0 - 23.0	50
15S110AB	1.57 - 1.73	40.0 - 44.0	0.90 - 1.10	23.0 - 28.0	50
20S057SB	1.85 - 1.97	47.0 - 50.0	0.35 - 0.57	9.0 - 14.5	50
20S070SB	1.85 - 1.97	47.0 - 50.0	0.50 - 0.70	13.0 - 18.0	50
20S090SB	1.85 - 1.97	47.0 - 50.0	0.70 - 0.90	18.0 - 23.0	50
20S110SB		47.0-50.0		23.0-28.0	50
21S035S	1.98 - 2.20	50.0 - 55.5	0.20 - 0.35	5.0 - 9.0	50
21S057SB	1.98 - 2.20	50.0 - 55.5	0.35 - 0.57	9.0 - 14.5	50
21S070SB	1.98 - 2.20	50.0 - 55.5	0.50 - 0.70	13.0 - 18.0	50
21S090SB	1.98 - 2.20	50.0 - 55.5	0.70 - 0.90	18.0 - 23.0	50
21S110SB		47.0-50.0		23.0-28.0	50
21S110AB	2.15 - 2.22	54.5 - 56.5	0.90 - 1.10	23.0 - 28.0	50

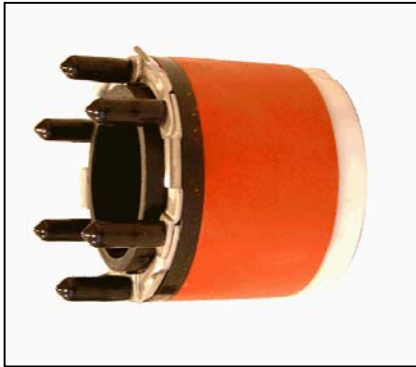
When selecting a Fibre Optic Simplex Plug;

1. Determine the **INSIDE DIAMETER** of the duct and select the range of plugs.
2. Determine the **OUTSIDE DIAMETER** of the cable (or inner-duct) and select the correct plug in the range.

NOTES:

- Make sure you know the **minimum** internal diameter of the duct. Some ducts quoted at 50mm internal diameter (nominal) might be only 48mm.
- Also, given the outside diameter, determine the **minimum** O.D. and the maximum wall thickness and calculate the **minimum** I.D.
- The actual cable (or inner-duct) diameter must be determined. A quoted cable diameter of 15mm might be anywhere between 14 and 16mm

2.3. SIMPLEX DUCT SEALING PLUGS



Part No.	Duct Inside Diameter (I.D.) Range		Cable Outside Diameter (O.D.) Range		Bushing Sleeve	Standard Package
	Inches	Inches	mm	mm	Series	Quantity
21S136SG	1.98 - 2.08	1.18 - 1.36	50 - 53	30 to 35	136	50
25S136SG	2.34 - 2.50	1.18 - 1.36	59 - 64	30 to 35	136	50
25S157SG	2.34 - 2.50	1.36 - 1.57	59 - 64	35+ to 40	157	50
30S136S	3.03 - 3.25	1.19 - 1.36	77 - 80	30 to 34	136	36
30S196SB	3.03 - 3.25	1.38 - 1.96	77 - 80	35 to 50	192	36
30S204S	3.03 - 3.25	1.92 - 2.04	77 - 80	50+ to 52	-	36
30S136A	3.26 - 3.37	1.19 - 1.36	83 - 86	30 to 34	136	36
30S196AB	3.26 - 3.37	1.38 - 1.96	83 - 86	35 to 50	192	36
30S220AB	3.26 - 3.37	1.92 - 2.20	83 - 86	50+ to 56	-	36
35S236H			85 - 88	55-60	-	24
35S256H			85 - 88	60-65	-	24
35S276H			85 - 88	65-70	-	24
35S287H			85 - 88	70-73	-	24
35S136S	3.49 - 3.65	1.19 - 1.36	89 - 93	30 to 34	136	24
35S196SB	3.49 - 3.65	1.38 - 1.96	89 - 93	35 to 50	192	24
35S256SB	3.49 - 3.65	1.92 - 2.56	89 - 93	50+ to 65	-	24
40S256H			95 - 99	60-65	-	24
40S276H			95 - 99	65-70	-	24
40S291H			95 - 99	70-74	-	24
40S303H			95 - 99	74-77	-	24
40S315H			95 - 99	77-80	-	24
40S327H			95 - 99	80-83	-	24
40S136S	3.93 - 4.16	1.19 - 1.36	100 - 106	30 to 34	136	24
40S196SB	3.93 - 4.16	1.38 - 1.96	100 - 106	35 to 50	192	24
40S256SB	3.93 - 4.16	1.92 - 2.56	100 - 106	50+ to 65	-	24
40S291SB	3.93 - 4.16	2.56 - 2.91	100 - 106	65+ to 74	-	24
40S327SB	3.93 - 4.16	2.91 - 3.27	100 - 106	75 to 83	-	24
40S136A	4.16 - 4.34	1.19 - 1.36	106 - 110	30 to 34	136	24
40S196AB	4.16 - 4.34	1.38 - 1.96	106 - 110	35 to 50	192	24
40S256AB	4.16 - 4.34	1.92 - 2.56	106 - 110	50+ to 65	-	24
40S315AB	4.16 - 4.34	2.56 - 3.15	106 - 110	65+ to 80	-	24
40S327A	4.16 - 4.34	3.15 - 3.27	106 - 110	80+ to 83	-	24
50S315HB			124 - 127	65-80	-	12
50S373HB			124 - 127	80-95	-	12
50S196SB	5.04 - 5.15	1.38 - 1.96	128 - 136	35 to 50	192	12
50S256SB	5.04 - 5.15	1.92 - 2.56	128 - 136	50+ to 65	-	12
50S315SB			128 - 136	65+ to 80	-	12

50S373SB			128 - 136	80+ to 95	-	12
60S315HB	5.04 - 5.15	2.56 - 3.15	148 - 152	65-80	-	8
60S373HB	5.04 - 5.15	3.15 - 3.73	148 - 152	80-95	-	8
60S413HB			148 - 152	95-105	-	8
60S196SB	6.02 - 6.23	1.38 - 1.96	153 - 161	35 to 50	192	8
60S256SB	6.02 - 6.23	1.92 - 2.56	153 - 161	50+ to 65	-	8
60S315SB	6.02 - 6.23	2.56 - 3.15	153 - 161	65+ to 80	-	8
60S373SB	6.02 - 6.23	3.15 - 3.73	153 - 161	80+ to 95	-	8
60S413SB			153 - 161	95-105	-	8
60S450SB	6.02 - 6.23	4.29 - 4.49	153 - 161	109to114	-	8
80S669S			199 - 203.5	165-170	-	4
80S504SG			200 - 204	124-128	-	4
140S1275SG			343 - 345	300-322.5	-	2

When selecting a Simplex Plug;

1. Determine the **INSIDE DIAMETER** of the duct and select the range of plugs.
2. Determine the **OUTSIDE DIAMETER** of the cable (or inner-duct) and select the correct plug in the range.
3. If the diameter of the cable (or inner-duct) is **BELOW** the specified range, select a plug with a **BUSHING SLEEVE SERIES** reference number and go to the **BUSHING SLEEVE** section and select a Bushing from the Series listed in this table.

NOTES:

- Make sure you know the **minimum** internal diameter of the duct. Some ducts quoted at 100mm internal diameter (nominal) might be only 98mm.
- Also, given the outside diameter, determine the **minimum** O.D. and the **maximum** wall thickness and calculate the **minimum** I.D.
- The actual cable (or inner-duct) diameter must be determined. A quoted cable diameter of 33mm might be anywhere between 32 and 33.5mm!

2.4. QUADPLEX DUCT SEALING PLUGS



Part No.	Duct Inside Diameter (I.D.) Range		Cable Outside Diameter (O.D.) Range		Bushing Sleeve	Standard Package
	Inches	mm	Inches	mm	Series	Quantity
35Q118H	3.50 - 3.62	82 – 86.05	1.14 - 1.26	28-30	-	24
35Q126SG	3.70 - 3.81	89 - 92	1.14 - 1.26	29-32	126	24
36Q126S	3.70 - 3.81	94 - 97	1.19 - 1.36	29-32	126	24
36Q136S	3.83 - 4.00	94 - 97	1.19 - 1.36	30-35	136	24
40Q136H		98 - 102		30-34	136	24
40Q136S	3.97 - 4.16	100 - 104	1.19 - 1.36	30-34	136	24
40Q142S		100 - 104		34-36	142	24
40Q136A		106 - 110		30-34	136	24
40Q142A	4.17 - 4.33	106 - 110	1.19 - 1.36	34-36	142	24
40Q157AG	4.17 - 4.29	106 - 109	1.55 - 1.57	39-40	-	24
40Q160AG		106 – 109		39 -40.5	-	24
50Q136H		124 – 127		30-34	136	12
50Q142H	4.88 - 5.00	124 - 127	1.30 - 1.42	33-36	142	12
50Q167H	4.88 - 5.00	124 - 127	1.53 - 1.67	39-42	167	12
50Q192H	4.88 - 5.00	124 - 127	1.77 - 1.92	42-45	-	12
50Q136S	5.04 - 5.35	128 - 136	1.19 - 1.36	30-34	136	12
50Q142S		128 – 136		34-36	142	12
50Q167S	5.04 - 5.35	128 - 136	1.50 - 1.67	38-42	167	12
50Q177S		128 - 136		42-45	-	12
50Q192S	5.04 - 5.17	128 - 134	1.77 - 1.92	45-48	192	12
60Q136H		148 - 152		30-34	136	8
60Q142H	5.82 - 5.98	148 - 152	1.30 - 1.42	33-36	142	8
60Q167H	5.82 - 5.98	148 - 152	1.53 - 1.67	39-42	167	8
60Q177H		148 - 152		42-45	-	8
60Q192H		148 - 152		46-49	192	8
60Q136S	5.82 - 5.98	153 - 161	1.81 - 1.92	30-34	136	8
60Q142S	6.02 - 6.33	153 - 161	1.19 - 1.36	34-36	142	8
60Q150S	6.02 - 6.33	153 - 161	1.36 - 1.50	34-38	-	8
60Q167S	6.02 - 6.33	153 - 161	1.50 - 1.67	38-42	167	8
60Q177S	6.02 - 6.33	153 - 161	1.67 - 1.77	42-45	-	8
60Q192S	6.02 - 6.33	153 - 161	1.77 - 1.92	45-48	192	8
60Q196S		153 – 161		48-50	-	8
60Q216S		153 - 161		52-50	-	8
80Q238S	7.98 - 8.16	203 - 207	2.16 - 2.38	55-60	-	4

When selecting a Triplex Plug,

When selecting a Quadplex Plug;

1. Determine the **INSIDE DIAMETER** of the duct and select the range of plugs.
2. Determine the **OUTSIDE DIAMETER** of the cable (or inner-duct) and select the correct plug in the range.
3. If the diameter of the cable (or inner-duct) is **BELOW** the specified range, select a plug with a **BUSHING SLEEVE SERIES** reference number and go to the **BUSHING SLEEVE** section and select a Bushing from the Series listed in this table.
4. Any unused Ports in the plug can be blanked off using a Hole Plug, refer to the Bushing Sleeve & Hole Plug section and look for a Hole Plug to match the Bushing Sleeve Series.

NOTES:

- Make sure you know the **minimum** internal diameter of the duct. Some ducts quoted at 100mm internal diameter (nominal) might be only 98mm.
- Also, given the outside diameter, determine the **minimum** O.D. and the **maximum** wall thickness and calculate the **minimum** I.D.

The actual cable (or inner-duct) diameter must be determined. A quoted cable diameter of 33mm might be anywhere between 32 and 33.5mm!

2.5. TRIPLEX DUCT SEALING PLUGS



Part No.	Duct Inside Diameter (I.D.) Range		Cable Outside Diameter (O.D.) Range		Bushing Sleeve	Standard Package
	Inches	mm	Inches	mm	Series	Quantity
21B070SB	1.97 - 2.09	50 – 53	0.50 - 0.70	13 - 18	-	50
21B057SB		50 – 53		10.5 - 14.5	-	50
25B057S	2.40 - 2.56	61 – 65	0.35 - 0.57	9 – 14	-	50
25B070S		61 – 64		16 - 18	-	50
25B090S		61 – 64		21 - 23	-	50
30B090S		77 – 80		21 - 23	-	36
30B126SG					126	
30B132S-1		76 – 80		2*31 - 33;1*20 - 22	-	36
30B136AG	3.26 - 3.37	83 – 86	1.22 - 1.36	31 - 35	136	36
31T126S		79 – 84		28 - 32	126	36
35B126S		89 – 92		29 - 32	126	24
35B136S	3.49 - 3.62	89 – 92	1.22 - 1.36	31 - 34	136	24
35B142S	3.49 - 3.62	89 – 92	1.30 - 1.42	33 - 36	142	24
35B155HhG		84 - 86.5		38 - 39.5	-	24
35B155HhG-1		84 - 86.5		1*38- 39.5;2*27- 29.5	-	24
35B118HhG-2		84 - 86.5		2*38- 39.5;1*27- 29.5	-	24
36B126S		94 - 100		28 - 32	126	24
36B136S		94 - 100		30 - 34	136	24
36B167SH	3.70 - 3.81	94 – 97	1.57 - 1.67	40 - 42	167	24
38T126S		96 - 102		28 - 32	126	24
40B122S	3.92 - 4.21	100 - 107	1.07 - 1.22	27 - 31	-	24
40B136S	3.97 - 4.09	101 - 105	1.22 - 1.36	31 - 34	136	24
40B142S	3.97 - 4.09	101 - 105	1.30 - 1.42	33 - 36	142	24
40B150S		101 - 105		36 - 38	-	24
40B167S	3.97 - 4.09	101 - 105	1.53 - 1.67	39 - 42	167	24
40B136A		106 - 109		31 - 34	136	24
40B142A	4.16 - 4.29	106 - 109	1.26 - 1.42	32 - 36	142	24
40B150A	4.16 - 4.29	106 - 109	1.36 - 1.50	34 - 38	-	24
40B167A	4.16 - 4.29	106 - 109	1.53 - 1.67	39 - 42	167	24
50B136H	4.88 - 5.00	124 - 127	1.22 - 1.36	30 - 34	136	12
50B142H	4.88 - 5.00	124 - 127	1.30 - 1.42	33 - 36	142	12
50B167H	4.88 - 5.00	124 - 127	1.53 - 1.67	39 - 42	167	12
50B177H		124 - 127		42 - 45	-	12
50B192H	4.88 - 5.00	124 - 127	1.77 - 1.92	45 - 49	192	12
50B136S		128 - 136		30 - 34	136	12
50B142S	5.04 - 5.35	128 - 136	1.26 - 1.42	32 - 36	142	12
50B167S	5.04 - 5.35	128 - 136	1.50 - 1.67	38 - 42	167	12

50B177S		128 - 136		42 - 45	-	12
50B192S	5.04 - 5.35	128 - 133	1.73 - 1.92	44 - 48	192	12
60B142H	5.82 - 5.98	148 - 152	1.30 - 1.42	33 - 36	142	8
60B167H	5.82 - 5.98	148 - 152	1.54 - 1.67	37 - 40	167	8
60B192H	5.82 - 5.98	148 - 152	1.81 - 1.92	46 - 49	192	8
60B204H		148 - 152		49 - 52	-	8
60B220H		148 - 152		53 - 56	-	8
60B236HB	5.82 - 5.98	148 - 152	1.96 - 2.36	50 - 60	-	8
60B252H	5.82 - 5.98	148 - 152	2.40 - 2.52	61 - 64	-	8
60B136S		153 - 157		30 - 34	136	8
60B142S	6.02 - 6.33	153 - 157	1.26 - 1.42	32 - 36	142	8
60B167S	6.02 - 6.33	153 - 157	1.50 - 1.67	38 - 42	167	8
60B177S		153 - 157		42 - 45	-	8
60B192S	6.02 - 6.33	153 - 157	1.73 - 1.92	45 - 48	192	8
60B204S		153 - 157		49 - 52	-	8
60B236SB	6.02 - 6.33	153 - 157	1.92 - 2.32	50 - 60	-	8
60B244S	6.02 - 6.33	153 - 157	2.33 - 2.44	59 - 62	-	8
60B252S		153 - 157		61 - 64	-	8
60B255S	6.02 - 6.33	153 - 158	2.45 - 2.55	62 - 65	-	
80B169S	7.98 - 8.16	203 - 207	1.57 - 1.69	40 - 43	-	6
100B192S		248 - 252		45 - 48.7	192	4

When selecting a Triplex Plug,

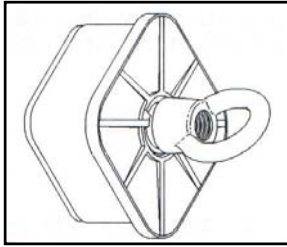
1. Determine the **INSIDE DIAMETER** of the duct and select the range of plugs.
2. Determine the **OUTSIDE DIAMETER** of the cable (or inner-duct) and select the correct plug in the range.
3. If the diameter of the cable (or inner-duct) is **BELOW** the specified range, select a plug with a **BUSHING SLEEVE SERIES** reference number and go to the **BUSHING SLEEVE** section and select a Bushing from the Series listed in this table.
4. Any unused Ports in the plug can be blanked off using a Hole Plug, refer to the Bushing Sleeve & Hole Plug section and look for a Hole Plug to match the Bushing Sleeve Series.

NOTES:

- Make sure you know the **minimum** internal diameter of the duct. Some ducts quoted at 100mm internal diameter (nominal) might be only 98mm.
- Also, given the outside diameter, determine the **minimum** O.D. and the **maximum** wall thickness and calculate the **minimum** I.D.
- The actual cable (or inner-duct) diameter must be determined. A quoted cable diameter of 33mm might be anywhere between 32 and 33.5mm!

2.6. SQUARE DUCT SEALING PLUGS

2.6.1. Square Blank Plugs



BLANK PLUG			
Part No.	Duct Inside Diameter (I.D.) Range		Standard Package Quantity
	Inches	mm	
32D365SQ	3.25 - 3.65	83 - 93	50
40D400SQ	3.75 - 4.00	95 - 102	50
42D425SQ	4.25	108	50

When selecting a Blank Plug,

- Determine the INTERNAL DIMENSION of the duct or bore and select the correct plug from the range.

NOTES;

- Make sure you know the **minimum** internal dimensions. Some ducts quoted at 100mm internal (nominal) might be only 98mm.
- Also, given the outside dimension, determine the **minimum** dimension and the **maximum** wall thickness and calculate the **minimum** internal dimension.

2.6.2. Square Simplex Plugs



SIMPLEX PLUG					
Part No.	Duct Inside Diameter (I.D.) Range		Duct Outside Diameter (O.D.) Range		Standard Package Quantity
	Inches	mm	Inches	mm	
32S118SQ	3.25	83	1.03-1.18	26-30	24
32S196SQB	3.25	83	1.37-1.96	35-50	24
32S256SQB	3.25	83	1.92-2.56	48-68	24

32S291SQB	3.25	83	2.78-2.91	71-74	24
40S196SQB	4.00	102	1.37-1.96	35-50	24
40S256SQB	4.00	102	1.92-2.56	48-65	24
40S315SQB	4.00	102	2.56-3.15	65-80	24
42S102SQ	4.25	108	0.88-1.02	22-26	24
42S196SQB	4.25	108	1.37-1.96	35-50	24
42S256SQB	4.25	108	1.92-2.56	48-65	24
42S315SQB	4.25	108	2.56-3.15	65-80	24

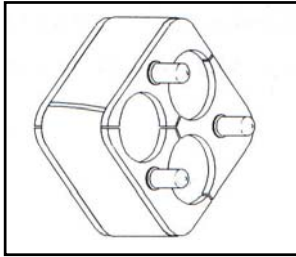
When selecting a Square Simplex Plug;

1. Determine the **INSIDE DIMENSIONS** of the duct and select the range of plugs.
2. Determine the **OUTSIDE DIAMETER** of the cable (or inner-duct) and select the correct plug in the range.
3. If the diameter of the cable (or inner-duct) is **BELOW** the specified range, select a plug with a **BUSHING SLEEVE SERIES** reference number and go to the **BUSHING SLEEVE** section and select a Bushing from the Series listed in this table.

NOTES:

- Make sure you know the **minimum** internal dimensions of the duct. Some ducts quoted at 100mm internal dimension (nominal) might be only 98mm.
- Also, given the outside dimensions, determine the **minimum** dimension and the **maximum** wall thickness and calculate the **minimum** internal dimension.
- The actual cable (or inner-duct) diameter must be determined. A quoted cable diameter of 33mm might be anywhere between 32 and 33.5mm!

2.6.3. Square Triplex Plugs



TRIPLEX PLUG					
Part No.	Duct Inside Diameter (I.D.) Range		Duct/Innerduct Outside Diameter (O.D.) Range		Standard Package
	Inches	mm	Inches	mm	Quantity
42B142SQ	4.25	101 - 104	1.30 - 1.42	33 - 36	24
42B167SQ	4.25	101 - 104	1.53 - 1.67	39 - 42	24

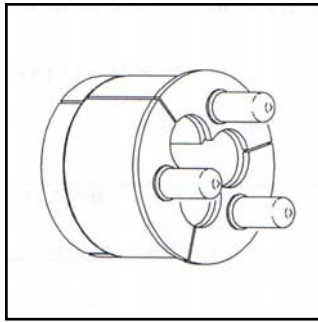
When selecting a Square Triplex Plug,

1. Determine the **INSIDE DIMENSION** of the duct and select the range of plugs.
2. Determine the **OUTSIDE DIAMETER** of the cable (or inner-duct) and select the correct plug in the range.
3. If the diameter of the cable (or inner-duct) is **BELOW** the specified range, select a plug with a **BUSHING SLEEVE SERIES** reference number and go to the **BUSHING SLEEVE** section and select a Bushing from the Series listed in this table.
4. Any unused Ports in the plug can be blanked off using a Hole Plug, refer to the **Bushing Sleeve & Hole Plug** section and look for a Hole Plug to match the Bushing Sleeve Series.

NOTES:

- Make sure you know the **minimum** internal dimension of the duct. Some ducts quoted at 100mm internal (nominal) might be only 98mm.
- Also, given the outside dimensions, determine the **minimum** dimensions and the **maximum** wall thickness and calculate the **minimum** internal dimension.
- The actual cable (or inner-duct) diameter must be determined. A quoted cable diameter of 33mm might be anywhere between 32 and 33.5mm!

2.7. 'C' SERIES SEALING PLUGS



Part No.	Duct Inside Diameter (I.D.) Range		Cable Outside Diameter (O.D.) Range		Standard Package Quantity
	inches	mm	Inches	mm	
40C105A	4.16 - 4.34	106 - 110	0.94-1.05	24-27	24
40C113A	4.16 - 4.34	106 - 110	1.02-1.13	26-29	24
40C154A	4.16 - 4.34	106 - 110	1.36-1.54	35-39	24
50C105A	5.11 - 5.35	130 - 136	0.94-1.05	24-27	12
50C113A	5.11 - 5.35	130 - 136	1.02-1.13	26-29	12
50C154A	5.11 - 5.35	130 - 136	1.36-1.54	35-39	12
50C192A	5.11 - 5.35	130 - 136	1.79-1.92	46-49	12
50C212A	5.11 - 5.35	130 - 136	1.93-2.12	50-54	12

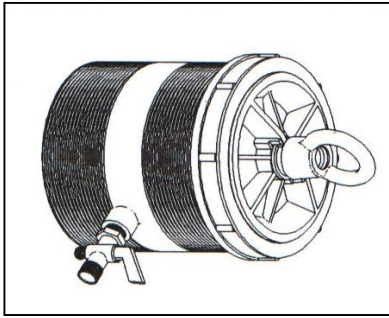
When selecting a 'C' Series Plug;

1. Determine the **INSIDE DIAMETER** of the duct and select the range of plugs.
2. Determine the **OUTSIDE DIAMETER** of the cable (or inner-duct) and select the correct plug in the range.

NOTES:

- Make sure you know the **minimum** internal diameter of the duct. Some ducts quoted at 100mm internal diameter (nominal) might be only 98mm.
- Also, given the outside diameter, determine the **minimum** O.D. and the **maximum** wall thickness and calculate the **minimum** I.D!

2.8. CEV ENTRY GLAND



Part No.	SIZE		For use with JACKMOON Plug types
	Inches	mm	
40CEV-VCS	4.00	101.6	100mm Simplex, Triplex, and Quadplex Plugs
50CEV-VCS	5.00	127.0	125mm Simplex, Triplex, and Quadplex Plugs
60CEV-VCS	5.98	152.4	150mm Simplex, Triplex, and Quadplex Plugs

2.9. CUSTOM SIZE DUCT SEALING PLUG



Part No.	No. of Ports Qty	Duct Internal Diameter (I.D.) Range		Cable/Innerduct Outside Diameter (O.D.) Range		Standard Packaging Quantity
		Inches	mm	Inches	mm	
45Z192SG	2	4.37 – 4.53	111-115	1.81 – 1.92	46 - 49	24
60Z277S	2	6.02 – 6.33	153-161	1 x 1.18 – 1.36 1 x 2.56 – 2.77	1 x 30 - 34 1 x 65 - 70	8
60E136H	5	6.02 – 6.33	153-161	1.18 – 1.36	30 - 34	8
60E240H	5	6.02 – 6.33	153-161	4 x 1.18 – 1.26 1 x 2.20 – 2.40	4 x 30 - 32 1 x 56 - 61	8
80E192S	5	7.98 – 8.27	203-210	5 x 1.81 – 1.92 1 x 2.20 – 2.40	46 - 49	2
80G240S-1	5	7.98 – 8.27	203-210	4 x 1.81 – 1.92 1 x 1.50 – 1.67	1 x 56 - 61 4 x 46 - 49 1 x 38 - 43	2
60G167S	6	6.02 – 6.33	153-161	1.50 – 1.67	38 - 42	8
60M142S	7	6.02 – 6.33	153-161	1.26 – 1.42	32 - 36	8

Notes;

- Most Custom Size Products are ‘customer specific’ and list unusual Port configurations

2.10. BUSHING SLEEVES & HOLE PLUGS

2.10.1. Bushing Sleeves



Part Numbers for Bushing Sleeves					Cable Outside Diameter (O.D.) Range	
126 Series	136 Series	142 Series	167 Series	192 Series	Inches	mm
126JMB038	136JMB038	142JMB038	167JMB038	192JMB038	0.25 - 0.38	6-10
126JMB047	136JMB047	142JMB047	167JMB047	192JMB047	0.38+ to 0.47	10+ to 12
126JMB055	136JMB055	142JMB055	167JMB055	192JMB055	0.47+ to 0.55	12+ to 14
126JMB063	136JMB063	142JMB063	167JMB063	192JMB063	0.55+ to 0.63	14+ to 16
126JMB075	136JMB075	142JMB075	167JMB075	192JMB075	0.63+ to 0.75	16+ to 19
126JMB087	136JMB087	142JMB087	167JMB087	192JMB087	0.75+ to 0.87	19+ to 22
126JMB094	136JMB094	142JMB094	167JMB094	192JMB094	0.87+ to 0.94	22+ to 24
126JMB102	136JMB102	142JMB102	167JMB102	192JMB102	0.94+ to 1.02	24+ to 26
126JMB110	136JMB110	142JMB110	167JMB110	192JMB110	1.02+ to 1.10	26+ to 28
	136JMB118	142JMB118	167JMB118	192JMB118	1.10+ to 1.18	28+ to 30
		142JMB126	167JMB126	192JMB126	1.18+ to 1.26	30+ to 32
			167JMB136	192JMB136	1.26+ to 1.36	32+ to 35
			167JMB142	192JMB142	1.34+ to 1.42	34+ to 36
			167JMB150	192JMB150	1.42+ to 1.50	36+ to 38
				192JMB157	1.50+ to 1.57	38+ to 40
				192JMB167	1.57+ to 1.67	40+ to 42
				192JMB173	1.67+ to 1.73	42+ to 44

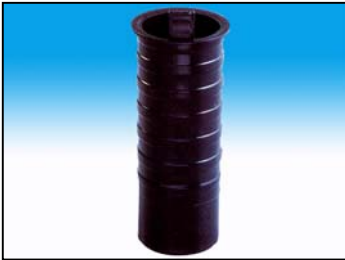
When selecting a Bushing Sleeve;

1. Determine the Bushing Sleeve Series listed in the Plug Table and select the correct column in the table.
2. Determine the outside diameter of the cable (or innerduct) to be sealed and select the correct Bushing Sleeve.

Notes;

- Always make sure the correct cable (or innerduct) size is given

2.10.2. Hole Plugs



Part No.	Bushing Sleeve Series No.	Diameter		Standard Package Quantity
		Inches	mm	
031JMH031		0.31	7.9	24
039JMH039		0.39	9.9	24
043JMH043		0.43	10.9	24
055JMH055		0.55	14.0	24
057JMH057		0.57	14.5	24
070JMH070		0.70	17.8	24
136JMH136	136	1.36	34.5	24
142JMH142	142	1.42	36.0	24
167JMH167	167		42.4	24
192JMH192	192 & 196	1.92	48.8	24

When selecting a Hole Plug;

- Determine the Bushing Sleeve Series listed in the Plug Table and select the correct Hole Plug.

3. DUCT COUPLING EQUIPMENT

3.1. ALUMINUM REVERSE THREADED DUCT COUPLERS



Part No.	Duct Outside Diameter (O.D.) Range		Standard Package Quantity
	Inches	mm	
07CP108U	$\frac{3}{4}$	23.1 – 27.4	100
10CP142U	1	31.3 – 36.0	100
11CP157U	$1 \frac{1}{8}$	35.6 – 39.9	100
12CP170U	$1 \frac{1}{4}$	37.8 – 43.2	100
13CP185U	$1 \frac{3}{8}$	40.6 – 47.0	50
15CP200U	$1 \frac{1}{2}$	45.7 – 50.8	50
20CP252U	2	58.7 – 64.0	50
40CP465U	4	112.0 – 118.1	12

When selecting a Reverse Threaded Coupler;

- Determine the OUTSIDE DIAMETER of the duct is specified and select the correct Coupler.

3.2. ALUMINUM BARBED DUCT COUPLERS



Part No.	Duct Outside Diameter (O.D.) Range		Standard Package Quantity
	Inches	mm	
10CP132SB	1	25.4	100
12CP154SB	1.57	40	100
12CP166SB	1 ¼	31.7	100
15CP190SB	1 ½	38.1	50
15CP197SB	1.97	50	100
20CP238SB	2	50.8	50
20CP238S*	2	50.8	50

* This Coupling has Thread-on feature

When selecting a Reverse Threaded Coupler;

1. Determine the OUTSIDE DIAMETER of the duct is specified and select the correct Coupler.

3.3. TRANSITION COUPLINGS PE- PVC



Part No.	Size		Type of Duct or Pipe	Standard Package
	Inches	mm	Description	Quantity
10CP-FA10	1	-	PE-PVC Transition Coupling	12
12CP-FA12	1¼	-	PE-PVC Transition Coupling	12
15CP-FA15	1½	-	PE-PVC Transition Coupling	12
20CP-FA20	2	-	PE-PVC Transition Coupling	12
25CP-FA25	2½	-	PE-PVC Transition Coupling	12
30CP-FA30	3	-	PE-PVC Transition Coupling	12
40CP-FA40	4	-	PE-PVC Transition Coupling	12
50CP-FA50	5	-	PE-PVC Transition Coupling	6
60CP-FA60	6	-	PE-PVC Transition Coupling	6

When selecting a Transition Coupling;

1. Determine the OUTSIDE DIAMETER of the duct is specified and select the correct Coupler.

3.4. BEST- LINK DUCT COUPLERS



Part No.	Duct Outside Diameter (O.D.) Range		Standard Package Quantity
	Inches	Mm	
10WC137UP	1.24 - 1.37	31.5 - 34.0	50
12WC167UP	1.46 - 1.69	37.0 - 43.0	50
15WC199UP	1.77 – 2.01	45.0 - 51.0	50
20WC238UP	2.28 – 2.52	58.0 - 64.0	25

When selecting a BEST-Link Coupler;

- Determine the OUTSIDE DIAMETER of the duct is specified and select the correct Coupler..

3.5. MOON-LINK PLASTIC DUCT COUPLER



Part No.	Duct Outside Diameter (O.D.) Range		Standard Package Quantity
	Inches	mm	
10TC132SP	1.315	33.40	144
12TC167SP	1.660	42.16	48
15TC190SP	1.900	48.26	40
20TC238SP	2.375	60.33	20
30TC350SP	3.500	88.90	24
40TC450SP	4.500	114.30	6
40TC435SP	4.50 - 4.35	114.3 - 110.5	12
50TC556SP	5.563	141.30	12
60TC663SP	6.625	168.28	6

When selecting a MOON-Link;

1. Determine the OUTSIDE DIAMETER of the duct is specified and select the correct Coupler.

3.6. SPLIT-LINK DUCT COUPLER

3.6.1. SPLIT-Link - Standard

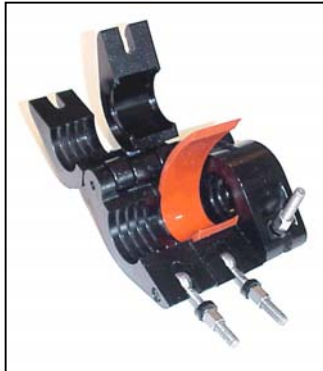


Part No.	Duct Outside Diameter (O.D.) Range		Standard Package
	Inches	mm	Quantity
10SL132Y	1.315	33.40	12
10SL320Y	1.260	32.00	12
12SL400Y	1.574	40.00	12
12SL166Y	1.660	42.16	12
15SL190Y	1.900	48.26	12
15SL500Y	1.968	50.00	12
20SL238Y	2.380	60.45	12
12BL400X3	-	40.3 x 3	

When selecting a SPLIT-Link;

1. Determine the OUTSIDE DIAMETER of the duct is specified and select the correct Coupler.

3.6.2. *SPLIT-Link - Black-Jack*



Part No.	Duct Outside Diameter (O.D.) Range		Replacement Gasket	Standard Package
	Inches	mm	Part No.	Quantity
10SL132BJ	1.312	33.3	10SL132RG	12
12SL400BJ	1.576	40.0	12SL400RG	12
12SL166BJ	1.660	42.6	12SL166RG	12
15SJ190BJ	1.900	48.3	15SJ190RG	12
15SL500BJ	1.970	50.0	15SL500RG	12
20SL238BJ	2.380	54.5	20SL238RG	12

When selecting a Black-Jack SPLIT-Link;

- Determine the OUTSIDE DIAMETER of the duct is specified and select the correct Coupler.

3.6.3. *SPLIT-Link - Other*

Part No.	Duct Outside Diameter (O.D.) Range		Standard Package
	Inches	mm	Quantity
12BL400X3	-	40.3 x 3	12

3.7. TUFF-LINK DUCT COUPLER SYSTEM

3.7.1. TUFF-Links and Die Sets

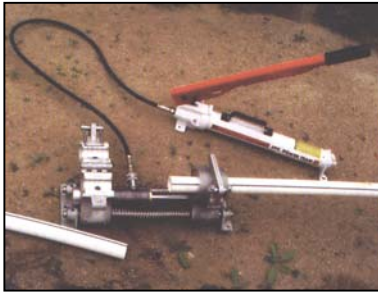


DIE SEST			TUFF-LINK			
	Duct Outside Diameter (O.D.) Range			Duct Outside Diameter (O.D.) Range		Standard Package
Part No.	Inches	mm	Part No.	Inches	mm	Quantity
10AD132HP	1.31 - 1.39	33.4 - 35.4	10CP128TL	1.31	33.40	100
			10CP280TL	1.10	28.00	100
10AD320HP	1.26 - 1.34	32.0 - 34.0	10CP320TL	1.26	32.00	100
10AD320HP	1.26 - 1.34	32.0 - 34.0	10CP330TL	1.23	33.00	100
10AD320HP	1.26 - 1.34	32.0 - 34.0	10CP340TL	1.39	34.00	100
12AD400HP	1.53 - 1.65	39.0 - 42.0	12CP400TL	1.57	40.00	100
12AD166HP	1.63 - 1.74	41.5 - 44.2	12CP163TL	1.66	42.20	100
15AD182HP	1.78 - 1.90	45.2 - 48.2	15CP187TL	1.90	48.30	100
15AD500HP	1.93 - 2.05	49.0 - 52.0	15CP500TL	1.97	50.00	100
20AD238HP	2.33 - 2.46	59.3 - 62.4	20CP234TL	2.37	60.30	50

When selecting a Die Set OR TUFF-Link;

- Determine the OUTSIDE DIAMETER of the duct is specified and select the correct Die Set or Coupler.

3.7.2. Hydraulic Press and Accessories



Part No.	Size		Description
	Inches	mm	
Hydraulic Coupling Press			
20HP132U	Press 18 x 7 x 8 Pump 23 x 4 x 6	Press 460 x 180 x 200 Pump 580 x 100 x 150	Coupling Press, Hand Pump, Set of Dies (specify size) & L-Handled Allen Wrench
Aluminum Duct - Clamping Die Sets			
CS4NA		25.4, 31.8, 38.1 & 50.8 SDR	4 Die Sets
Accessories			
T-HAW		3 & 4	L-Handled Allen Wrench

4. ACCESSORIES

4.1. PULLING EYES

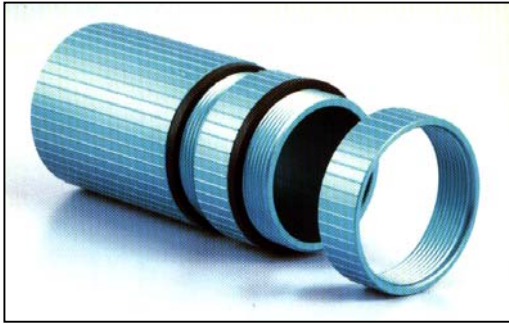


Part No.	Duct Inside Diameter (I.D.) Range		Standard Package Quantity
	Inches	mm	
10PE118U	0.91 – 1.18	23-30	6
12PE142U	1.14 – 1.42	29-36	6
15PE173U	1.38 – 1.73	35-44	6
20PE228U	1.77 – 2.28	45-58	6

When selecting a Pulling Eye;

1. Determine the INTERNAL DIAMETER of the Duct and select the correct Pulling Eye.

4.2. TERMINATION CONNECTORS



Part No.	Knockout Size Diameter		Duct Outside Diameter (O.D.) Range		Standard Package
	Inches	mm	Inches	mm	Quantity
07IC108U	1 ¹ / ₈	28.6	0.91 – 1.08	23.1 - 27.4	12
10IC142U	1 ³ / ₈	35	1.23 – 1.40	31.2 - 35.6	12
12IC170U	1 ⁵ / ₈ - 1 ³ / ₄	41.3 – 44.5	1.49 – 1.70	40.0 - 43.2	12
15IC200U	1 ¹ / ₂	50	1.8 – 2.0	45.7 – 50.8	12
20IC252U	2	63.5	2.31 – 2.52	58.7 - 64	12

When selecting a Termination Connector;

- Determine the OUTSIDE DIAMETER of the Duct and select the correct Connector.

Notes;

- Make sure the INSIDE DIAMETER of the Knockout hole is available.

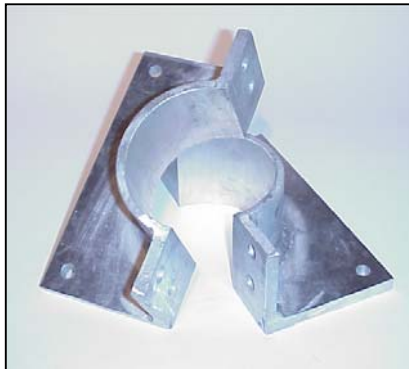
4.3. PUDDLE FLANGES

4.3.1. *Standard Type*



Part No.	Flange Dimensions		Duct Inside Diameter (I.D.)		Standard Package
	Inches	mm	Inches	mm	Quantity
PF100-ST	7.8	200	3.9	100	1

4.3.2. *Split Type*



Part No.	Flange Dimensions		Duct Inside Diameter (I.D.)		Standard Package
	Inches	mm	Inches	mm	Quantity
PF100-SP	7.8	200	3.9	100	1

4.4. DUCT REPAIR KIT



Part No.	Kit Contains	Repair Duct Size		Description
		Inches	mm	
15RK302SB	4ea. 30S196SB 2ea. Two foot sleeves 8ea. Duct Ties 4ea. Hose Clamps	1 1/4 1 1/2	32 38	Kit repairs two damaged ducts Two feet in length.
15RK304SB	4ea. 30S196 2ea. Four foot sleeves 8ea. Duct Ties 4ea. Hose Clamps	1 1/4 1 1/2	32 38	Kit repairs two damaged ducts Two feet in length

When selecting a Duct Repair Kit;

1. Determine the OUTSIDE DIAMETER of the damaged duct.
2. Determine the length of Duct Repair Kit required and select the correct kit