

Industrial Gland Kits

BW Brass Gland Kit

KA410 Series



Application

- > Indoor type for SWA cable BW - Series

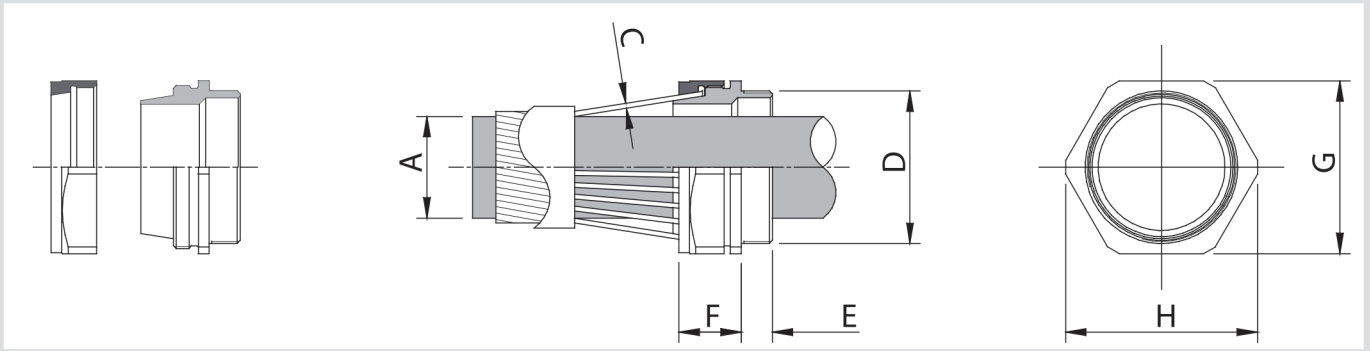
Features & Benefits

- > Brass indoor gland and accessories
- > For galvanized-steel single-wire armour plastic or rubber sheathed cables
- > For use in dry, dust free, situations
- > Provides mechanical cable retention and electrical continuity via armour locking mechanism
- > Kit comprises:
 - BW Gland
 - Brass earth tag
 - Brass locknut
 - PVC shroud
- > 2 per kit up to and including 25mm size

Technical Data

- > To BS6121-1
- > CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance
- > Service temperature range -20°C to +90°C





Gland Details

Cable Dimensions mm		Kit Reference			Gland Dimensions mm				
Under Armour Diameter A Max	Armour Wire Diameter C	Size	Design Number	Items Per Kit	Entry Thread		Approx. Length From Shoulder F	Hexagon Size	
					Size D	Length E		Across Flats G	Across Corners H
11.6	0.9	20S	KA41052	2	M20×1.5	10	24	22.0	24.9
13.9	0.9/1.25	20	KA41053	2	M20×1.5	10	25	27.0	30.5
19.9	1.25/1.6	25	KA41055	2	M25×1.5	10	26	37.6	42.2
26.2	1.6/2.0	32	KA41056	1	M32×1.5	10	28	47.3	53.6
32.1	1.6/2.0	40	KA41057	1	M40×1.5	15	25	50.0	57.0
44.0	2.0/2.5	50	KA41059	1	M50×1.5	15	36	70.1	77.2
55.9	2.5	63	KA41061	1	M63×1.5	15	30	80.0	87.4
61.9	2.5	75S	KA41062	1	M75×1.5	15	40	85.0	95.0
67.9	2.5	75	KA41063	1	M75×1.5	15	40	98.8	109.2

Industrial Gland Kits

CW Brass Gland Kit

KA419 Series



Application

- > Indoor/outdoor type for SWA cable CW - Series

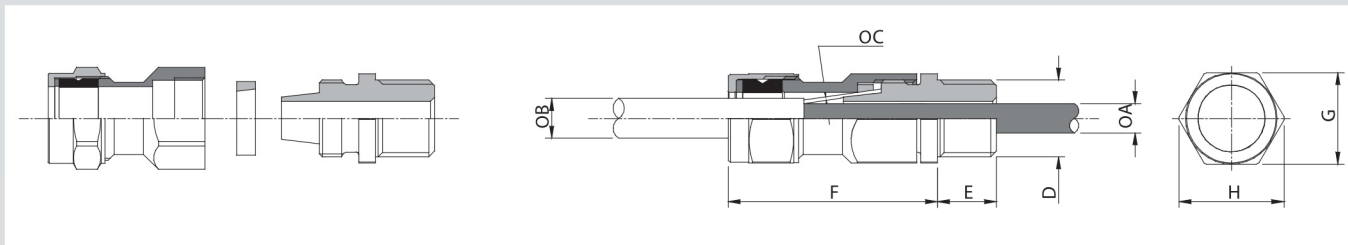
Features & Benefits

- > Brass indoor and outdoor cable gland & accessories
- > For circular, galvanized-steel single-wire-armour plastic or rubber sheathed cables
- > Outer seal grips sheath of cable
- > For use in most climatic conditions, weatherproof and waterproof
- > Three part armour lock with separate armour locking ring, ideal for checking electrical continuity
- > Kit comprises:
 - CW Gland
 - Brass earth tag
 - Brass locknut
 - PVC shroud
- > 2 per kit up to and including 25mm size

Technical Data

- > EN 50262
- > BS6121:Pt 1:1989
- > Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
- > Service temperature range -20°C to +90°C
- > CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance





Gland Details

Cable Dimensions mm				Kit Reference			Gland Dimensions mm				
Under Armour Diameter A Max	Overall Diameter B		Armour Wire Diameter C	Size	Design Number	Items Per Pack	Entry Thread		Approx. Length From Shoulder F	Hexagon Size	
	Min	Max					Size D	Length E		Across Flats G	Across Corners H
8.6	8.0	13.2	0.9	20SS	KA41971	2	M20×1.5	10	44	23.4	26.7
11.6	8.0	15.8	0.9	20S	KA41952	2	M20×1.5	10	46	25.7	29.2
13.9	11.7	20.8	0.9/1.25	20	KA41953	2	M20×1.5	10	46	30.5	34.0
19.9	17.0	27.2	1.25/1.6	25	KA41955	2	M25×1.5	10	51	37.6	42.2
26.2	23.5	33.5	1.6/2.0	32	KA41956	1	M32×1.5	10	56	47.3	53.6
32.1	29.0	39.9	1.6/2.0	40	KA41957	1	M40×1.5	15	59	56.4	61.5
38.1	38.0	46.2	2.0/2.5	50S	KA41958	1	M50×1.5	15	64	65.5	72.1
44.0	39.5	52.6	2.0/2.5	50	KA41959	1	M50×1.5	15	64	70.1	77.2
55.9	51.3	65.3	2.5	63	KA41961	1	M63×1.5	15	67	80.0	87.4
67.9	62.5	78.0	2.5	75	KA41963	1	M75×1.5	15	76	98.8	109.2
74.0	68.0	88.0	3.15	85	KA41964	1	M85×2	20	110	115.0	126.0

Industrial Gland Kits

A1/A2 Brass Gland Kit KM409 Series



Application

- > Indoor/Outdoor for Unarmoured Cable

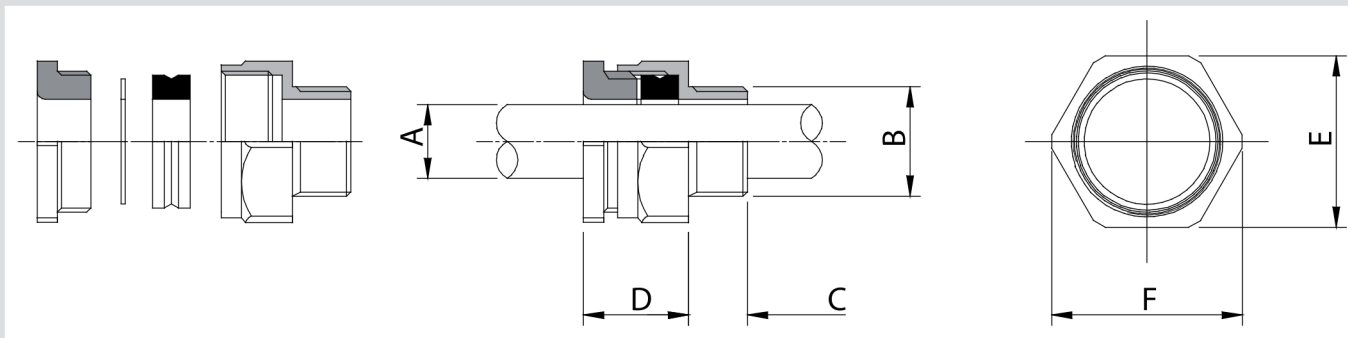
Features & Benefits

- > Brass indoor and outdoor cable gland & accessories
- > For circular, unarmoured plastic or rubber sheathed cables
- > Suitable for most climatic conditions, weatherproof and waterproof
- > Kit comprises:
 - A1/A2 Gland
 - Brass locknut
 - PVC shroud
- > 2 per kit size up to and including 25mm

Technical Data

- > EN 50262
- > BS6121:Pt 1:1989
- > Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
- > Service temperature -20°C to +90°C
- > CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance





Gland Details

Cable Dimensions mm		Kit Reference			Gland Dimensions mm				
Overall Diameter A		Size	Design Number	Items Per Kit	Entry Thread		Approx. Length from Shoulder D mm	Hexagon Size	
Min	Max					Size B		Length C	Across Flats E
3.5	8.5	20SS	KM409-71	2	M20×1.5	10	20	22.0	24.9
8.0	11.5	20S	KM409-52	2	M20×1.5	10	22	22.0	24.9
11.0	13.5	20	KM409-53	2	M20×1.5	10	22	24.0	26.8
13.0	19.5	25	KM409-55	2	M25×1.5	10	25	30.5	34.0
19.0	25.5	32	KM409-56	1	M32×1.5	10	25	42.4	48.0
25.0	32.0	40	KM409-57	1	M40×1.5	15	33	47.2	53.6
31.5	37.0	50S	KM409-58	1	M50×1.5	15	30	55.0	60.0
36.5	43.0	50	KM409-59	1	M50×1.5	15	30	56.4	61.5
42.5	50.0	63S	KM409-60	1	M63×1.5	15	34	70.1	77.2
49.5	55.0	63	KM409-61	1	M63×1.5	15	32	75.0	83.0
54.5	61.0	75S	KM409-62	1	M75×1.5	15	32	80.0	87.4
60.5	67.0	75	KM409-63	1	M75×1.5	15	40	85.0	95.0

Cable Connectors

Un-insulated Copper Tube Terminals



Application

1-800mm² Un-insulated Copper Tube Terminals Splices (Prefix BT_)

- > One range of connectors, suitable for voltages up to 6.6kV for use on copper and tin plated copper conductors with stranded or flexible annealed construction.
- > The BT range of connectors are manufactured from high purity oxygen free copper which are then electro tin plated to prevent corrosion; this makes them suitable for operating temperatures up to 150°C.
- > Each terminal includes a sight hole for visual inspection of the conductor inserted.
- > The terminals can be installed with indent or hexagonal compression systems up to 400mm² on stranded conductor. Above 400mm² or on flexible conductors indent compression is required.
- > Each die set imprints the size of stranded conductor onto the connector to show that the correct tooling has been applied.
- > A wide selection of single stud holes and straight splices are provided and other configurations; two hole and four hole variants are available on request. All connectors are installed with a single crimp except where otherwise stated.
- > Flexible conductors normally have a larger overall diameter than their stranded equivalents – meaning that flexible conductors often won't fit into the correct size tube terminals. In this case we recommend using the next size up in the range combined with the Indent crimp dies.
- > Tube terminals and splices and the associated Crimp Die reference tables can be seen on the following pages.

Description



Approvals

Tested and approved to :

- > BS EN 61238 (2003) class A (including short circuit)
- > BS 4579 Part 1
- > BS 7609 (2009) Code of practice for installation un-insulated connectors

Uninsulated Tube Terminals

Cable size and Connector Details - Tube Terminals

Conductor Size mm ²	Stud Size (mm)	Catalogue Number	C (mm)	L (mm)	Z (mm)	N (mm)
1	3.5	BT1C35	6.1	16.2	6.1	3.8
1.5-2.5	4	BT2C4	8.0	19.5	6.1	4.3
1.5-2.5	6	BT2C6	8.0	19.5	6.1	4.3
1.5-2.5	8	BT2C8	11.1	24.0	8.1	7.1
4.0-6.0	3.5/4	BT6C354	7.8	25.4	6.1	3.7
4.0-6.0	5	BT6C5	9.9	25.4	5.0	4.5
4.0-6.0	6	BT6C6	12.3	26.9	6.3	5.7
4.0-6.0	8	BT6C8	13.9	31.3	8.5	7.7
4.0-6.0	10	BT6C10	14.7	35.3	10.5	9.5
10	6	BT10C6	11.6	27.4	6.3	5.7
10	8	BT10C8	14.8	34.4	8.5	7.7
10	10	BT10C10	14.8	38.4	10.5	9.5
16	6	BT16C6	13.2	32.0	6.3	5.7
16	8	BT16C8	15.6	36.4	8.5	7.7
16	10	BT16C10	15.6	40.4	10.5	9.5
16	12	BT16C12	21.6	43.4	12.0	10.8
25	6	BT25C6	14.4	32.6	6.3	5.7
25	8	BT25C8	16.4	37.0	8.5	7.7
25	10	BT25C10	16.4	41.0	10.5	9.5
25	12	BT25C12	19.7	44.0	12.0	10.8
35	10	BT35C10	17.6	44.6	10.5	9.5
35	12	BT35C12	20.0	47.6	12.0	10.8
50	6	BT50C6	20.0	37.4	6.3	5.7
50	8	BT50C8	20.0	41.8	8.5	7.7
50	10	BT50C10	20.0	45.8	10.5	9.5
50	12	BT50C12	22.3	48.8	12.0	10.8
70	8	BT70C8	24.3	49.9	8.5	7.7
70	10	BT70C10	24.3	53.9	10.5	9.5
70	12	BT70C12	24.3	56.9	12.0	10.8
95	8	BT95C8	26.8	51.8	8.5	7.7
95	10	BT95C10	26.8	55.8	10.5	9.5
95	12	BT95C12	26.8	58.8	12.0	10.8
120	10	BT120C10	29.5	56.7	10.5	9.5
120	12	BT120C12	29.5	59.7	12.0	10.8
120	16	BT120C16	29.5	65.7	15.0	13.5
150	10	BT150C10	33.0	65.2	10.5	9.5
150	12	BT150C12	33.0	68.2	12.0	10.8
150	16	BT150C16	33.0	74.2	15.0	13.5
185	10	BT185C10	36.1	72.7	10.5	9.5
185	12	BT185C12	36.1	75.7	12.0	10.8
185	16	BT185C16	36.1	81.7	15.0	13.5
240	10	BT240C10	41.9	80.5	10.5	9.5
240	12	BT240C12	41.9	83.5	12.0	10.8
240	16	BT240C16	41.9	89.5	15.0	13.5
240	20	BT240C20	41.9	96.5	18.5	16.7
300	12	BT300C12	46.0	88.0	12.0	10.8
300	16	BT300C16	46.0	94.0	15.0	13.5
300	20	BT300C20	46.0	101.0	18.5	16.7
400	16	BT400C16	51.6	99.0	15.0	13.5
400	20	BT400C20	51.6	106.0	18.5	16.7
500	16	BT500C16	56.2	101.0	15.0	13.5
630	16	BT630C16	65.0	108.5	15.0	13.5
630	20	BT630C20	65.0	115.5	18.5	16.7
800	20	BT800C20	70.0	127.4	18.5	16.7



Industrial Gland Kits

CW LSOH Aluminium Gland Kit 432LSF - Series



Application

- > Indoor/outdoor type for aluminium wire armoured cable

Features & Benefits

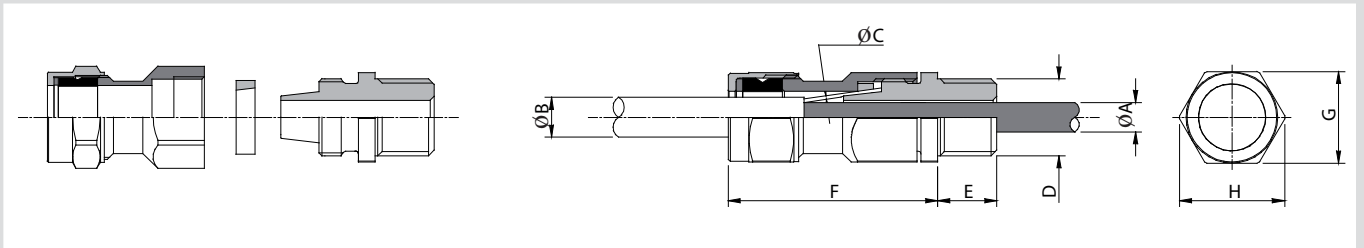
- > Aluminium indoor and outdoor cable gland & accessories
- > For circular, aluminium single-wire-armor plastic or rubber sheathed cables
- > Outer seal grips sheath of cable
- > For use in most climatic conditions, weatherproof and waterproof
- > Three part armour lock with separate armour locking ring, ideal for checking electrical continuity
- > Kit comprises:
 - CW Aluminium Gland
 - Aluminium earth tag
 - Aluminium locknut
 - LSF shroud
- > 2 per kit up to and including 25mm size

Technical Data

- > EN 50262
- > BS6121:Pt 1:1989
- > Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
- > Service temperature range -20°C to +90°C
- > 6082 extruded aluminium alloy used for guaranteed strength and performance



CW LSOH Aluminium Gland Kit 432LSF - SERIES



Gland Details

Cable Dimensions mm				Kit Reference			Gland Dimensions mm				
Under Armour Diameter A	Overall Diameter		Armour Wire Diameter C	Size	Design Number	Items Per Pack	Entry Thread		Approx. Length from Shoulder F	Hexagon Size	
	Min	Max					Size	Length		Across Flats G	Across Corners H
Max							D	E			
13.9	11.7	20.8	0.9 / 1.25	20	432LSF53	2	M20 × 1.5	10	46	30.5	34.0
19.9	17.0	27.2	1.25 / 1.6	25	432LSF55	2	M25 × 1.5	10	51	37.6	42.2
26.2	23.5	33.5	1.6 / 2.0	32	432LSF56	1	M32 × 1.5	10	56	47.3	53.6
32.1	29.0	39.9	1.6 / 2.0	40	432LSF57	1	M40 × 1.5	15	59	56.4	61.5
38.1	38.0	46.2	2.0 / 2.5	50S	432LSF58	1	M50 × 1.5	15	64	65.5	72.1
44.0	39.5	52.6	2.0 / 2.5	50	432LSF59	1	M50 × 1.5	15	64	70.1	77.2
55.9	51.3	65.3	2.5	63	432LSF61	1	M63 × 1.5	15	67	80.0	87.4
67.9	62.5	78.0	2.5	75	432LSF63	1	M75 × 1.5	15	76	98.8	109.2

Industrial Gland Kits

Recommended for
Prysmian's
FP400 cables.

Application

Features & Benefits

Technical Data



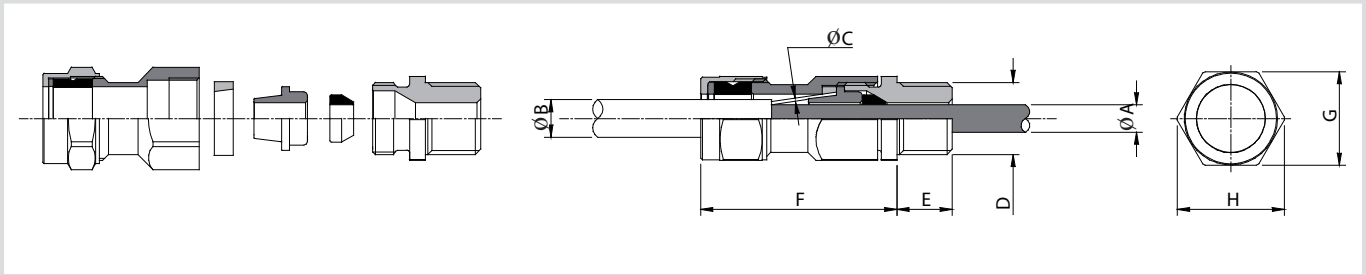
E1W LSOH Brass Gland Kit LSF - E1W Series



- > Indoor/outdoor type for SWA cable
- > Brass indoor and outdoor cable gland & accessories
- > For circular, galvanized-steel single-wire-armour plastic or rubber sheathed cables with extruded bedding
- > Outer seal grips sheath of cable
- > Inner seal grips bedding layer of cable
- > For use in most climatic conditions, weatherproof and waterproof
- > Three part armour lock with separate armour locking ring, ideal for checking electrical continuity
- > Kit comprises:
 - E1W Gland
 - Brass earth tag
 - Brass locknut
 - LSF shroud
- > 2 per kit up to and including 25mm size
- > EN 50262
- > Inner and outer seal rated to IP66
- > Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
- > Service temperature range -20°C to +90°C
- > CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance
- > Zero Halogen Silicone Seals and shrouds - LUL approved.



E1W LSOH Brass Gland Kit LSF - E1W Series



Gland Details

Cable Dimensions mm					Kit Reference			Gland Dimensions mm				
Under Armour Diameter A		Overall Diameter B		Armour Wire Diameter C	Size	Design Number	Items Per Kit	Entry Thread Size D	Length E	Approx. Length from Shoulder F	Hexagon Size Across Flats G	Hexagon Size Across Corners H
Min	Max	Min	Max	C								
6.3	8.6	8.0	13.2	0.9	20SS	LSF20SSE1W	2	M20×1.5	15	44	23.4	26.7
8.7	11.6	8.0	15.8	0.9/1.25	20S	LSF20SE1W	2	M20×1.5	15	46	25.7	29.2
11.7	13.9	11.7	20.8	0.9/1.25	20	LSF20E1W	2	M20×1.5	15	46	30.5	34.0
13.0	19.9	17.0	27.2	1.25/1.6	25	LSF25E1W	2	M25×1.5	15	51	37.6	42.2
20.0	26.2	23.5	33.5	1.6/2.0	32	LSF32E1W	1	M32×1.5	15	56	47.3	53.6
26.3	32.1	29.0	39.9	1.6/2.0	40	LSF40E1W	1	M40×1.5	15	59	56.4	61.5
32.2	38.1	38.0	46.2	2.0/2.5	50S	LSF50SE1W	1	M50×1.5	15	64	60.0	66.0
38.2	44.0	39.5	52.6	2.0/2.5	50	LSF50E1W	1	M50×1.5	15	64	70.1	77.2
44.1	50.0	50.0	58.9	2.5	63S	LSF63SE1W	1	M63×1.5	15	67	75.0	83.0
50.1	55.9	51.3	65.3	2.5	63	LSF63E1W	1	M63×1.5	15	67	80.0	87.4
56.0	61.9	62.0	71.6	2.5	75S	LSF75SE1W	1	M75×1.5	15	76	90.2	99.1
62.0	67.9	62.5	78.0	2.5	75	LSF75E1W	1	M75×1.5	15	76	98.8	109.2

Cable Connectors

Un-insulated Copper Tube Terminals



Application

1-800mm² Un-insulated Copper Tube Terminals Splices (Prefix BT_)

> One range of connectors, suitable for voltages up to 6.6kV for use on copper and tin plated copper conductors with stranded or flexible annealed construction.

Description

> The BT range of connectors are manufactured from high purity oxygen free copper which are then electro tin plated to prevent corrosion; this makes them suitable for operating temperatures up to 150°C.

> Each terminal includes a sight hole for visual inspection of the conductor inserted.

> The terminals can be installed with indent or hexagonal compression systems up to 400mm² on stranded conductor. Above 400mm² or on flexible conductors indent compression is required.

> Each die set imprints the size of stranded conductor onto the connector to show that the correct tooling has been applied.

> A wide selection of single stud holes and straight splices are provided and other configurations; two hole and four hole variants are available on request. All connectors are installed with a single crimp except where otherwise stated.

> Flexible conductors normally have a larger overall diameter than their stranded equivalents – meaning that flexible conductors often won't fit into the correct size tube terminals. In this case we recommend using the next size up in the range combined with the Indent crimp dies.

> Tube terminals and splices and the associated Crimp Die reference tables can be seen on the following pages.



Approvals

Tested and approved to :

> BS EN 61238 (2003) class A (including short circuit)

> BS 4579 Part 1

> BS 7609 (2009) Code of practice for installation un-insulated connectors

Uninsulated Tube Terminals

Cable size and Connector Details - Tube Terminals

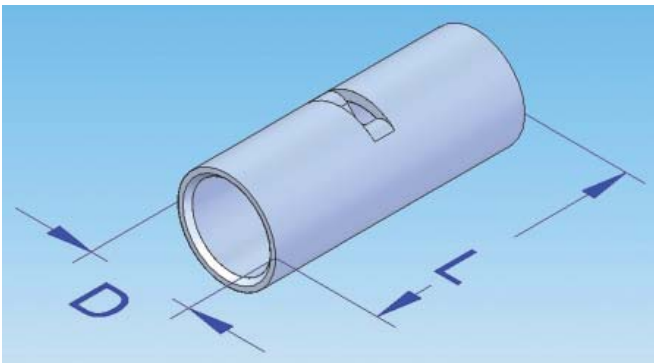
Conductor Size mm ²	Stud Size (mm)	Catalogue Number	C (mm)	L (mm)	Z (mm)	N (mm)
1	3.5	BT1C35	6.1	16.2	6.1	3.8
1.5-2.5	4	BT2C4	8.0	19.5	6.1	4.3
1.5-2.5	6	BT2C6	8.0	19.5	6.1	4.3
1.5-2.5	8	BT2C8	11.1	24.0	8.1	7.1
4.0-6.0	3.5/4	BT6C354	7.8	25.4	6.1	3.7
4.0-6.0	5	BT6C5	9.9	25.4	5.0	4.5
4.0-6.0	6	BT6C6	12.3	26.9	6.3	5.7
4.0-6.0	8	BT6C8	13.9	31.3	8.5	7.7
4.0-6.0	10	BT6C10	14.7	35.3	10.5	9.5
10	6	BT10C6	11.6	27.4	6.3	5.7
10	8	BT10C8	14.8	34.4	8.5	7.7
10	10	BT10C10	14.8	38.4	10.5	9.5
16	6	BT16C6	13.2	32.0	6.3	5.7
16	8	BT16C8	15.6	36.4	8.5	7.7
16	10	BT16C10	15.6	40.4	10.5	9.5
16	12	BT16C12	21.6	43.4	12.0	10.8
25	6	BT25C6	14.4	32.6	6.3	5.7
25	8	BT25C8	16.4	37.0	8.5	7.7
25	10	BT25C10	16.4	41.0	10.5	9.5
25	12	BT25C12	19.7	44.0	12.0	10.8
35	10	BT35C10	17.6	44.6	10.5	9.5
35	12	BT35C12	20.0	47.6	12.0	10.8
50	6	BT50C6	20.0	37.4	6.3	5.7
50	8	BT50C8	20.0	41.8	8.5	7.7
50	10	BT50C10	20.0	45.8	10.5	9.5
50	12	BT50C12	22.3	48.8	12.0	10.8
70	8	BT70C8	24.3	49.9	8.5	7.7
70	10	BT70C10	24.3	53.9	10.5	9.5
70	12	BT70C12	24.3	56.9	12.0	10.8
95	8	BT95C8	26.8	51.8	8.5	7.7
95	10	BT95C10	26.8	55.8	10.5	9.5
95	12	BT95C12	26.8	58.8	12.0	10.8
120	10	BT120C10	29.5	56.7	10.5	9.5
120	12	BT120C12	29.5	59.7	12.0	10.8
120	16	BT120C16	29.5	65.7	15.0	13.5
150	10	BT150C10	33.0	65.2	10.5	9.5
150	12	BT150C12	33.0	68.2	12.0	10.8
150	16	BT150C16	33.0	74.2	15.0	13.5
185	10	BT185C10	36.1	72.7	10.5	9.5
185	12	BT185C12	36.1	75.7	12.0	10.8
185	16	BT185C16	36.1	81.7	15.0	13.5
240	10	BT240C10	41.9	80.5	10.5	9.5
240	12	BT240C12	41.9	83.5	12.0	10.8
240	16	BT240C16	41.9	89.5	15.0	13.5
240	20	BT240C20	41.9	96.5	18.5	16.7
300	12	BT300C12	46.0	88.0	12.0	10.8
300	16	BT300C16	46.0	94.0	15.0	13.5
300	20	BT300C20	46.0	101.0	18.5	16.7
400	16	BT400C16	51.6	99.0	15.0	13.5
400	20	BT400C20	51.6	106.0	18.5	16.7
500	16	BT500C16	56.2	101.0	15.0	13.5
630	16	BT630C16	65.0	108.5	15.0	13.5
630	20	BT630C20	65.0	115.5	18.5	16.7
800	20	BT800C20	70.0	127.4	18.5	16.7



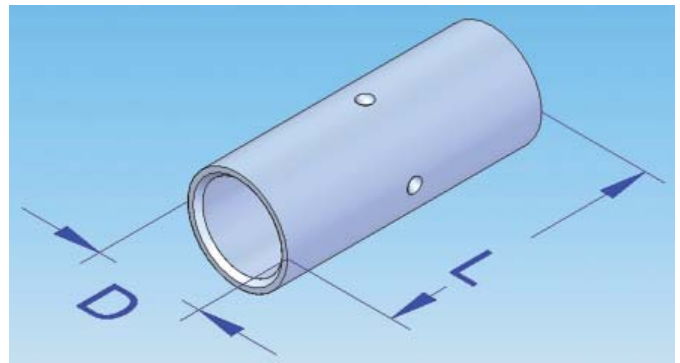
Uninsulated Tube Terminals

Cable Size and Connector Details – Butt Splices

Conductor Size mm ²	Catalogue Number	L (mm)	D (mm)
1.5-2.5	BT2CS	16.1	4.0
4.0-6.0	BT6CS	19.3	5.4
10	BT10CS	26.2	6.9
16	BT16CS	29.4	7.9
25	BT25CS	29.4	9.5
35	BT35CS	36.5	11.7
50	BT50CS	36.5	13.0
70	BT70CS	46.0	16.1
95	BT95CS	46.8	17.7
120	BT120CS	50.0	19.6
150	BT150CS	74.0	22.5
185	BT185CS	63.5	24.2
240	BT240CS	73.0	28.6
300	BT300CS	98.0	31.1
400	BT400CS	85.7	35.0
500	BT500CS	98.0	38.1
630	BT630CS	104.8	44.1
800	BT800CS	114.3	46.7



Design for sizes up to 120mm²



Design for sizes 150mm² to 800mm²

Crimp Die Reference Table

Conductor Connector		'U' Dies G10ts / E10-2000 10 ton dies				'P' Dies G14H 14 ton dies				'E18' Dies E18HB 18 ton dies				'E22H 'ED' Dies 22 ton dies				
Size	Type	Connector	Twin / Hex	Nest	Indent	Twin / Hex	Nest	Indent	Adaptor	Twin / Hex	Nest	Indent	Adaptor	Nest	Indent	Adaptor	Nest	Indent
10	STR	BT10	U10CHEX (1)	UNX10C	UP10-25C				PUADP				supplied with tool					
10	FLEX	BT16	not available	UNX16C	UP10-25C				PUADP				supplied with tool					
16	STR	BT16	U16CHEX (1)	UNX16C	UP10-25C				PUADP				supplied with tool					
16	FLEX	BT25	not available	UNX25C	UP10-25C				PUADP				supplied with tool					
25	STR	BT25	U25CHEX (1)	UNX25C	UP10-25C				PUADP				supplied with tool					
25	FLEX	BT35	not available	UNX35C	UP35-50C				PUADP				supplied with tool					
35	STR	BT35	U35CHEX (1)	UNX35C	UP35-50C				PUADP				supplied with tool					
35	FLEX	BT50	not available	UNX50C	UP35-50C				PUADP				supplied with tool					
50	STR	BT50	U50CHEX (1)	UNX50C	UP35-50C				PUADP				supplied with tool					
50	FLEX	BT70	not available	UNX70C	UP50-240CW				PUADP				supplied with tool					
70	STR	BT70	U70CHEX (1)	UNX70C	UP70-300C				PUADP				supplied with tool					
70	FLEX	BT95	not available	UNX95C	UP50-240CW				PUADP				supplied with tool					
95	STR	BT95	U95CHEX (1)	UNX95C	UP70-300C				PUADP				supplied with tool					
95	FLEX	BT120	not available	UNX120C	UP50-240CW				PUADP				supplied with tool					
120	STR	BT120	U120CHEX (1)	UNX120C	UP70-300C				PUADP				supplied with tool					
120	FLEX	BT150	not available	UNX150C	UP50-240CW				PUADP				supplied with tool					
150	STR	BT150	U150CHEX (2)	UNX150C	UP70-300C				PUADP				supplied with tool	EDNX150C	EDP150-185C	ED22AD1		
150	FLEX	BT185	not available	UNX185C	UP50-240CW				PUADP				supplied with tool	EDNX150C	EDP150-185C	ED22AD1		
185	STR	BT185	U185CHEX (2)	UNX185C	UP70-300C				PUADP				supplied with tool	EDNX185C	EDP150-185C	ED22AD1		
185	FLEX	BT240	not available	UNX240C	UP50-240CW				PUADP				supplied with tool	EDNX185C	EDP150-185C	ED22AD1		
240	STR	BT240	U240CHEX (2)	UNX240C	UP70-300C				PUADP				supplied with tool	EDNX240C	EDP240-500C	ED22AD1		
240	FLEX	BT300	not available	UNX300C	UP50-240CW				PUADP				supplied with tool	EDNX240C	EDP240-500C	ED22AD1		
300	STR	BT300	U300CHEX (3)	UNX300C	UP70-300C				PUADP				supplied with tool	EDNX300C	EDP240-500C	ED22AD1		
300	FLEX	BT400	not available	not available	not available				PUADP				supplied with tool	EDNX300C	EDP240-500C	ED22AD1		
400	STR	BT400	U400CHEX (3)	not available	not available				PUADP				supplied with tool	EDNX400C	EDP240-500C	ED22AD1		
500	STR	BT500							PUADP				supplied with tool	EDNX400C	EDP240-500C	ED22AD1		
630	STR	BT630												EDNX500C	EDP240-500C	ED22AD1		
800	STR	BT800												EDN NX630C	EDP630C	ED22AD2		
1000	STR	BT1000												EDN800C	EDP800-1000C	ED22AD2		
														EDN1000C	EDP800-1000C	ED22AD2		

Note: figures in brackets indicate the number of crimps required along the connector barrel

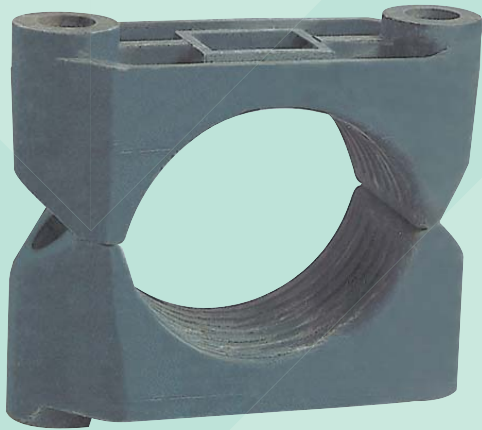
Cleats & Cable Fixings

Afumex Two Bolt Cleat

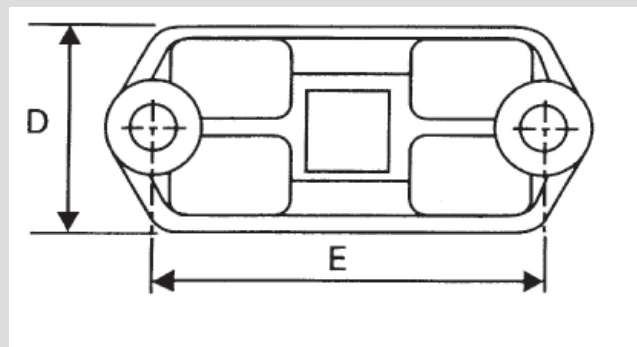
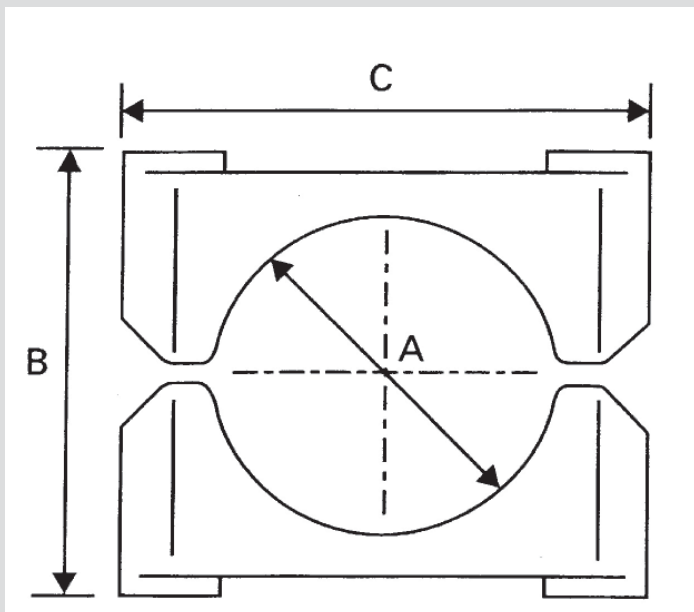


Description

- > Suitable for use with cables from 50 to 94mm in diameter
- > Available in 7 sizes
- > Low Smoke and Zero Halogen
- > Suitable for use with Afumex, LSOH and LSF cables
- > LUL Approved
- > Sunlight (UV) and weather resistant
- > Two-piece, two fixing design
- > Operating temperature -20°C to +90°C
- > Can be double stacked on common fixings



Afumex Two Bolt Cleat



Cable and Cleat Details

Cable & Cleat Selection Design Number	Cable Diameter A (mm)		Cleat Details				SWL FOS2 (kgf)	Approx. weight per cleat (2 halves) (g)
			Dimensions (mm)					
			B Max	C	D	E		
374LSF01	50	58	89	102	45	80	290	174
374LSF02	56	64	93	102	45	80	340	158
374LSF03	62	70	98	114	45	92	360	174
374LSF04	68	76	104	114	50	92	400	210
374LSF05	74	82	110	126	50	104	375	254
374LSF06	80	88	118	126	50	104	445	264
374LSF07	86	94	121	136	60	114	475	326

METHOD OF FIXING

In all applications the cleat should be mounted on suitable M10 fixings.

There is no need for any channel adaptor when mounting directly on to 'C' section channel.

SWL = Safe Working Load

FOS 2 = Values include a Factor Of Safety of 2.

Cleats & Cable Fixings

Telcleat

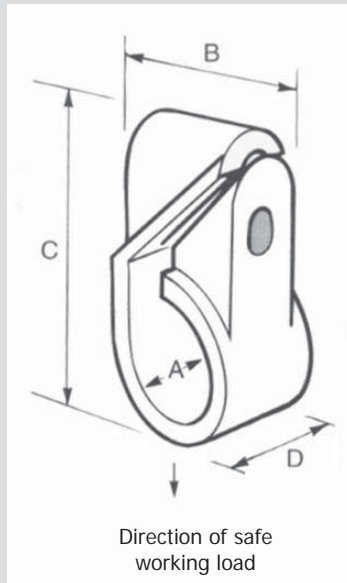
BICON

Description

- > Suitable for cables 10-51mm in diameter
- > 8 sizes in range
- > Overlapping self adjusting ranges
- > Sunlight (UV) and weather resistant
- > One piece, single fixing design
- > Can be double stacked on one fixing
- > Operating temperature -70°C to +70°C
- > Black low-density polyethylene - unaffected by corrosive environments, oils and many chemicals



Telcleat



Cable and Cleat Details

Design Number	Cable & Cleat Selection		Standard Pack Quantities	Cleat Details							Screw cable tray mm
	Cable Diameter A (mm)			Dimensions (mm)				SWL (FOS 3) kgf	Approx. Weight g	Roundhead woodscrew for masonry, concrete or wood ins x No	
	Min	Max		Min	Max	C Max	D				
385AA01	10.5	14.5	100	15	18	32	12	17	2.3	1 1/4 x 8	M4 x 30
385AA02	12.2	16.7	100	17	22	36	14	22	3.4	1 1/2 x 8	M4 x 35
385AA03	14.6	19.8	100	21	26	43	16	32	5.5	1 3/4 x 8	M4 x 40
385AA04	17.7	24.0	50	25	31	51	18	40	8.6	2 x 8	M4 x 45
385AA05	21.7	28.5	25	30	37	57	20	47	12.4	2 1/4 x 12	M6 x 50
385AA06	26.2	34.2	25	35	43	65	22	59	16.4	2 1/2 x 12	M6 x 60
385AA07	31.9	41.6	10	42	52	78	25	79	24	2 3/4 x 12	M6 x 70
385AA08	39.3	51.1	10	50	62	91	26	82	35	3 1/4 x 12	M7 x 80

Method of Fixing

The cleat is opened up and placed around the cable so that the end of the cleat containing the slot will be in contact with the mounting surface, except for the 385AA01, which should be reversed to put the slot uppermost. In this case an M5 washer should be used to prevent the nut entering the slot of the cleat.

When mounting directly on "Unistrut" or "Leprack" type channel section an adaptor plate should be used (please see separate datasheet).

SWL = Safe Working Load

FOS 3 = Values include a Factor of Safety of 3

Cleats & Cable Fixings

Trefoil Cleats Aluminium Single and Two Bolt



Description



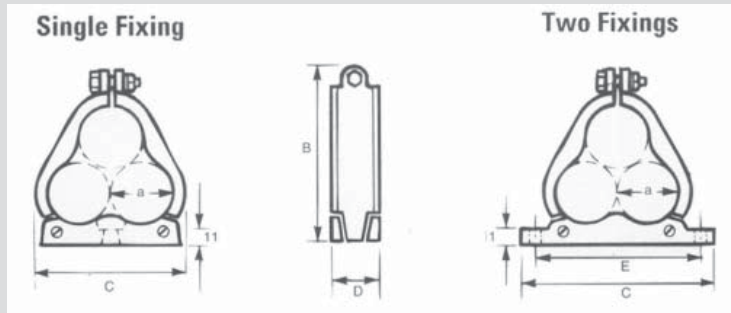
- > Suitable for cables in Trefoil groups - cable diameter 24 - 76mm
- > 33 sizes in range
- > Can be used with all types of cable routes
- > Supplied complete with top fastening
- > Available as either single or two fixing design
- > Plain finish for indoor dry normal industrial use or outdoor unpolluted areas
- > Epoxy coated for more hostile conditions
- > Operating temperature -60°C to +100°C
- > Single fixing
 - Plain finish -376AC Type
 - Epoxy coated -376AE Type
- > Two fixing
 - Plain finish -376AB Type
 - Epoxy coated -376AD Type

Application



- > These cleats are suitable for use at a maximum fault level of 30kA rms. Recommended maximum spacings, straight runs 900mm, vertical bends 300mm and horizontal bends on each support with, if necessary, intermediate unanchored cleats to limit resistance spacing to 300mm.
- > In all applications the cleats should be mounted on either one or two M10 fixings as appropriate. It is essential that they are secured to supports capable of withstanding the prospective short circuit forces.

Trefoil Cleats Aluminium Single and Two Bolt



Cable and Cleat Details

Cable & Cleat Selection				Cleat Details						Approx. weight (g)	
Design Number		Cable Diameter A (mm)		Dimensions (mm)							
376AC** 376AE**	376AB** 376AD**	Min	Max	B	D	Single Fixing	Two Fixing		Single Fixing	Two Fixing	
						C	C	E			
01	01	24	25	94	38	75	128	102	234	276	
02	02	25	27	97	38	75	128	102	241	284	
03	03	27	28	100	38	75	128	102	248	291	
04	04	28	30	103	38	76	130	104	255	298	
05	05	30	32	105	38	79	133	107	269	305	
06	06	32	34	106	38	83	135	109	284	312	
07	07	34	35	109	38	86	137	110	291	319	
08	08	35	36	113	38	89	138	113	298	326	
09	09	36	38	116	38	92	140	114	305	333	
10	10	38	40	119	38	95	145	118	312	340	
11	11	40	41	122	38	99	147	121	319	347	
12	12	41	43	124	38	105	149	123	326	354	
13	13	43	44	127	38	108	150	124	340	369	
14	14	44	46	130	38	112	154	128	354	383	
15	15	46	48	133	38	114	156	129	361	390	
16	16	48	49	137	38	118	159	133	369	397	
17	17	49	51	140	38	121	165	135	376	404	
18	18	51	53	143	38	124	165	137	383	411	
19	19	53	54	146	38	127	172	141	390	418	
20	20	54	55.5	155	44	133	183	152	503	560	
21	21	55.5	57	158	44	137	187	155	517	574	
22	22	57	59	160	44	141	189	157	532	588	
23	23	59	60	163	44	145	191	160	546	602	
24	24	60	62	165	44	148	194	162	552	617	
25	25	62	63.5	168	44	152	196	165	567	631	
26	26	63.5	65	172	44	156	199	168	581	645	
27	27	65	66.5	176	44	160	202	170	602	666	
28	28	66.5	68	178	44	164	205	173	624	687	
29	29	68	70	181	44	168	208	176	652	716	
30	30	70	71.5	187	44	171	215	183	680	745	
31	31	71.5	73	190	44	175	217	186	695	758	
32	32	73	74.5	193	44	179	220	188	709	773	
33	33	74.5	76	197	44	183	222	191	722	787	

Industrial Gland Kits

CW Brass Gland Kit

KA419 Series



Application

- > Indoor/outdoor type for SWA cable CW - Series

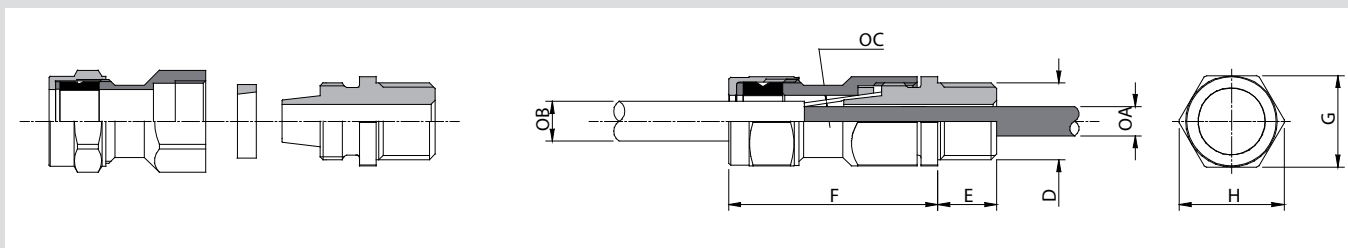
Features & Benefits

- > Brass indoor and outdoor cable gland & accessories
- > For circular, galvanized-steel single-wire-armour plastic or rubber sheathed cables
- > Outer seal grips sheath of cable
- > For use in most climatic conditions, weatherproof and waterproof
- > Three part armour lock with separate armour locking ring, ideal for checking electrical continuity
- > Kit comprises:
 - CW Gland
 - Brass earth tag
 - Brass locknut
 - PVC shroud
- > 2 per kit up to and including 25mm size

Technical Data

- > EN 50262
- > BS6121:Pt 1:1989
- > Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
- > Service temperature range -20°C to +90°C
- > CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance





Gland Details

Cable Dimensions mm				Kit Reference			Gland Dimensions mm				
Under Armour Diameter A Max	Overall Diameter B		Armour Wire Diameter C	Size	Design Number	Items Per Pack	Entry Thread		Approx. Length From Shoulder F	Hexagon Size	
	Min	Max					Size	Length		Across Flats G	Across Corners H
							D	E			
8.6	8.0	13.2	0.9	20SS	KA41971	2	M20×1.5	10	44	23.4	26.7
11.6	8.0	15.8	0.9	20S	KA41952	2	M20×1.5	10	46	25.7	29.2
13.9	11.7	20.8	0.9/1.25	20	KA41953	2	M20×1.5	10	46	30.5	34.0
19.9	17.0	27.2	1.25/1.6	25	KA41955	2	M25×1.5	10	51	37.6	42.2
26.2	23.5	33.5	1.6/2.0	32	KA41956	1	M32×1.5	10	56	47.3	53.6
32.1	29.0	39.9	1.6/2.0	40	KA41957	1	M40×1.5	15	59	56.4	61.5
38.1	38.0	46.2	2.0/2.5	50S	KA41958	1	M50×1.5	15	64	65.5	72.1
44.0	39.5	52.6	2.0/2.5	50	KA41959	1	M50×1.5	15	64	70.1	77.2
55.9	51.3	65.3	2.5	63	KA41961	1	M63×1.5	15	67	80.0	87.4
67.9	62.5	78.0	2.5	75	KA41963	1	M75×1.5	15	76	98.8	109.2
74.0	68.0	88.0	3.15	85	KA41964	1	M85×2	20	110	115.0	126.0