



Power cable accessories catalogue

Cable Glands



Jointing Tech



THE POWER TO DELIVER



From Scotland to Southampton,

Carlisle to Croydon,

Newcastle to Newquay

and everywhere in between

Jointing Tech offer same day dispatch on stock orders received by 4pm.

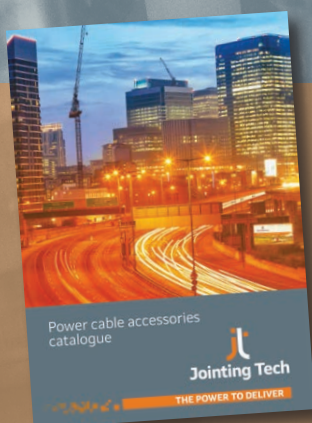


THE POWER TO DELIVER

Cable Glands

Contents

Stuffing Glands	8
Industrial Glands	10
Integral Earth Glands	14
Accessories	16
Cable Gland & Cleat Selector Table	38



This 'mini-catalogue' focusing on Cable Glands is part of a larger, more comprehensive Power Cable Accessories Catalogue produced by Jointing Tech.

Please visit our website for more information and/or a copy of the full catalogue.

www.jointingtech.co.uk

THE POWER TO DELIVER

Single Core Armoured Cable Recommendations XLPE/AWA/PVC – 600/1000 Volt Copper Conductors

Product	Copper Conductor Size mm ²												
	50	70	95	120	150	185	240	300	400	500	630	800	1000
Brass Stuffing Gland Size A1/A2	32	32	40	40	40	40	50S	50	50	63S	63S	75S	75
Aluminium Gland Size GACW	25	25	25	25	32	32	40	40	50S	50	50	63	63

Single Core Unarmoured Cable Recommendations XLPE/PVC – 600/1000 Volt Copper Conductors

Product	Copper Conductor Size mm ²												
	50	70	95	120	150	185	240	300	400	500	630	800	1000
Brass Stuffing Gland Size A1/A2	25	25	25	32	32	32	40	40	50S	50	50	63S	63

Nylon Stuffing Glands

FEATURES

- Designed to provide sealing and retention with unarmoured cables
- Suitable for indoor and outdoor use
- Manufactured from Polyamide PA6.6
- Sealing ring manufactured from Neoprene 50 sh A
- Available in black as standard and light grey and dark grey on request
- Temperature range -20°C to + 90°C
- Flammability rating UL 94 - V2
- IP68 rated

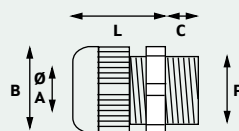


Indoor/outdoor for unarmoured cables

Part number	Size	Diameter Range
A2 Nylon 16	16	5-10mm
A2 Nylon 20	20	7-13mm
A2 Nylon 25	25	10-17mm
A2 Nylon 32	32	13-21mm

Part number	Size	Diameter Range
A2 Nylon 40	40	19-28mm
A2 Nylon 50	50	27-35mm
A2 Nylon 63	63	34-45mm

Gland Details



Size	P	Fixing Hole Diameter mm	Diameter A Min-Max mm	B Spanner mm	C mm	L Min-Max mm
16	M16 x 1.5	16.5	5-10	19	8	22-27
20	M20 x 1.5	20.5	7-13	25	9	24-30
25	M25 x 1.5	25.4	10-17	30	10	28-39
32	M32 x 1.5	32.5	13-21	36	10	33-44
40	M40 x 1.5	40.5	19-28	46	10	36-45
50	M50 x 1.5	50.5	27-35	55	12	43-52
63	M63 x 1.5	64.0	34-45	66	12	45-55



FEATURES

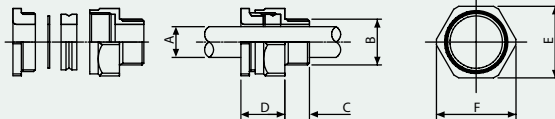
- Brass indoor and outdoor cable gland and accessories
- For circular, unarmoured plastic or rubber sheathed cables
- Suitable for most climatic conditions, weatherproof and waterproof
- Kit comprises: A1/A2 gland, brass locknut and shroud
- Available in LSF version
- EN 50262
- BS 6121:Pt 1:1989
- Gland 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

Indoor/outdoor for unarmoured cables

Part number		Size
Standard	LSF	
A1/A2 20SS	A1/A2 20SS LSF	20SS
A1/A2 20S	A1/A2 20S LSF	20S
A1/A2 20	A1/A2 20 LSF	20
A1/A2 25	A1/A2 25 LSF	25
A1/A2 32	A1/A2 32 LSF	32
A1/A2 40	A1/A2 40 LSF	40

Part number		Size
Standard	LSF	
A1/A2 50S	A1/A2 50S LSF	50S
A1/A2 50	A1/A2 50 LSF	50
A1/A2 63S	A1/A2 63S LSF	63S
A1/A2 63	A1/A2 63 LSF	63
A1/A2 75S	A1/A2 75S LSF	75S
A1/A2 75	A1/A2 75 LSF	75

Gland Details



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

Please refer to product selection table on page 38 to size product relative to cable type

BW Gland Kit - Indoor Use

FEATURES

- 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 retention and electrical continuity via armour locking mechanism
- Kit comprises: BW gland, brass earth tag, zinc plated steel locknut and shroud
- Available in LSF version
- EN 50262
- BS 6121:Pt 1 :1989
- CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance
- Service temperature range -20°C to +90°C

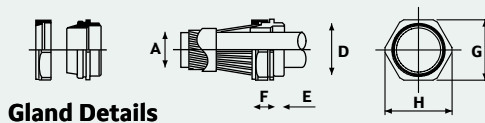


Indoor type for SWA cable

Part number		Size
Standard	LSF	
BW20S	BW20S LSF	20S
BW20	BW20 LSF	20
BW25	BW25 LSF	25
BW32	BW32 LSF	32
BW40	BW40 LSF	40

Part number		Size
Standard	LSF	
BW50	BW50 LSF	50
BW63	BW63 LSF	63
BW75S	BW75S LSF	75S
BW75	BW75 LSF	75

Gland Details



Gland Details

Size	Cable Dimensions mm	Gland Dimensions mm					
		Under Armour Diameter A Max	Entry Thread		Approx. Length from Shoulder F	Hexagon Size	
			Size D	Length E		Across Flats G	Across Corners H
20S	11.6	M20×1.5	10	24	22.0	24.9	
20	13.9	M20×1.5	10	25	27.0	30.5	
25	19.9	M25×1.5	10	26	32.9	36.8	
32	26.2	M32×1.5	10	28	42.4	47.8	
40	32.1	M40×1.5	15	25	50.0	57.0	
50	44.0	M50×1.5	15	36	70.1	77.2	
63	55.9	M63×1.5	15	30	80.0	87.4	
75S	61.9	M75×1.5	15	40	85.0	95.0	
75	67.9	M75×1.5	15	40	98.8	109.2	

CW Gland Kit - Outdoor Use



Indoor/outdoor type for SWA cable

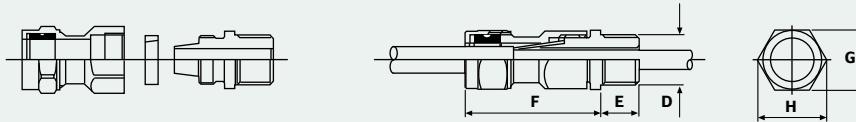
FEATURES

- Brass indoor and outdoor cable gland and 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, zinc plated steel locknut and shroud
- Available in LSF version
- EN 50262
- BS 6121: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

Part number		Size
Standard	LSF	
CW20SS	CW20SS LSF	20SS
CW20S	CW20S LSF	20S
CW20	CW20 LSF	20
CW25	CW25 LSF	25
CW32	CW32 LSF	32
CW40	CW40 LSF	40

Part number		Size
Standard	LSF	
CW50S	CW50S LSF	50S
CW50	CW50 LSF	50
CW63	CW63 LSF	63
CW75	CW75 LSF	75
CW85	CW85 LSF	85

Gland Details



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

Please refer to product selection table on page 38 to size product relative to cable type

CW Aluminium Gland Kit

- FEATURES**
- Aluminium indoor and outdoor cable gland and accessories
 - For circular, aluminium 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 aluminium gland, aluminium earth tag, aluminium locknut and shroud
 - Available in LSF version
 - EN 50262
 - BS 6121: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



Indoor/outdoor type for aluminium wire armoured cable

Part number		Size
Standard	LSF	
GACW20S	GACW20LSLF	20S
GACW20	GACW20LSF	20
GACW25	GACW25LSF	25
GACW32	GACW32LSF	32
GACW40	GACW40LSF	40

Part number		Size
Standard	LSF	
GACW50S	GACW50LSLF	50S
GACW50	GACW50LSF	50
GACW63	GACW63LSF	63
GACW75	GACW75LSF	75

Gland Details

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

Please refer to product selection table on page 38 to size product relative to cable type

E1W Brass Gland Kit



Indoor/outdoor weatherproof for SWA cables

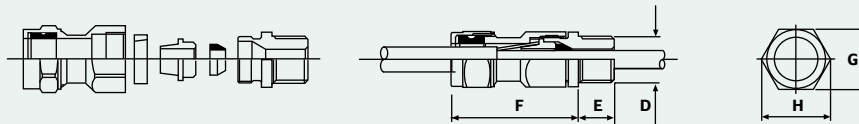
FEATURES

- Brass indoor and outdoor cable gland and accessories
- For circular 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, zinc plated steel locknut and shroud
- Available in LSF version
- EN 50262
- BS 6121:Pt 1:1989
- 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

Part number		Size
Standard	LSF	
E1W20SS	E1WLSF20SS	20SS
E1W20S	E1WLSF20S	20S
E1W20	E1WLSF20	20
E1W25	E1WLSF25	25
E1W32	E1WLSF32	32
E1W40	E1WLSF40	40

Part number		Size
Standard	LSF	
E1W50S	E1WLSF50S	50S
E1W50	E1WLSF50	50
E1W63S	E1WLSF63S	63S
E1W63	E1WLSF63	63
E1W75S	E1WLSF75S	75S
E1W75	E1WLSF75	75

Gland Details



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

Please refer to product selection table on page 38 to size product relative to cable type

CW Brass Gland with Integral Earth

FEATURES

- Brass indoor and outdoor cable gland with earth bonding connection
- Suitable for circular galvanised steel single wire armoured, 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
- Kit comprises CW brass gland with integral earth & locknut
- For use in high fault current applications
- EN 50262
- Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
- Service temperature range -20°C to +90°C
- Integral earth connection complies with GDCD 190 Category A (43.3kA for 1 second)

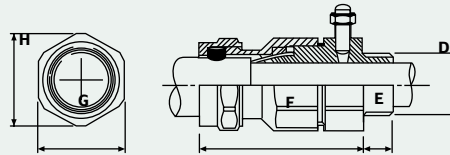


For steel wire armour cable

Part number	Size
CWCIEL20S	20S
CWCIEL20	20
CWCIEL25	25
CWCIEL32	32
CWCIEL40	40

Part number	Size
CWCIEL50	50
CWCIEL63	63
CWCIEL75	75
CWCIEL85	85

Gland Details



Size	Cable Dimensions accommodated mm					Gland Dimensions mm				
	Under Armour Diameter Max		Overall Diameter		Armour Wire Diameter	Entry Thread		Approx. Length from Shoulder F	Hexagon Size	
	Min	Max	Min	Max		Size D	Length E		Across Flats G	Across Corners H
20S	-	11.6	8.0	15.8	0.9/1.25	M20×1.5	10	56	30.5	34.0
20	-	13.9	11.7	20.8	0.9/1.25	M20×1.5	10	56	30.5	34.0
25	-	19.9	17.0	27.2	1.25/1.6	M25×1.5	10	63	42.4	48.0
32	-	26.2	23.5	33.5	1.6/2.0	M32×1.5	10	73	56.4	61.5
40	-	32.1	29.0	39.9	1.6/2.0	M40×1.5	15	77	56.4	61.5
50	-	44.0	39.5	52.6	2.0/2.5	M50×1.5	15	84	70.1	77.2
63	-	55.9	51.3	65.3	2.5	M63×1.5	15	84	90.1	100.0
75	-	67.9	62.5	78.0	2.5	M75×1.5	15	94	106.2	117.0
85	-	74.0	68.0	88.0	3.15	M85×2	20	125	115.0	126.0

CW Aluminium Gland with Integral Earth



**For aluminium wire
armour cable**

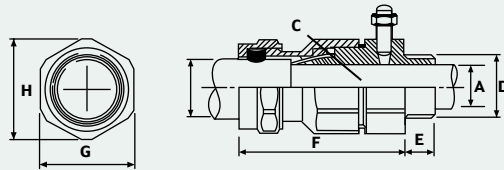
FEATURES

- Aluminium indoor and outdoor cable gland with earth bonding connection
- Suitable for circular aluminium single wire armoured, 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
- Kit comprises CW aluminium gland with integral earth and locknut
- For use in high fault current applications
- EN 50262
- Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
- Service temperature range -20°C to +90°C
- Integral earth connection complies with GDCD 190 Category A (43.3kA for 1 second)

Part number	Size
GACWCIEL32	32
GACWCIEL40	40
GACWCIEL50	50

Part number	Size
GACWCIEL63	63
GACWCIEL75	75

Gland Details



Size	Cable Dimensions accommodated mm					Gland Dimensions mm				
	Under Armour Diameter A Max		Overall Diameter B		Armour Wire Diameter C	Entry Thread		Approx. Length from Shoulder F	Hexagon Size	
	Min	Max	Min	Max		Size D	Length E		Across Flats G	Across Corners H
32	-	26.2	23.5	33.5	1.6/2.0	M32×1.5	10	73	56.4	61.5
40	-	32.1	29.0	39.9	1.6/2.0	M40×1.5	15	77	56.4	63.2
50	-	44.0	39.5	52.6	2.0/2.5	M50×1.5	15	84	70.1	77.2
63	-	55.9	51.3	65.3	2.5	M63×1.5	15	84	90.2	99.1
75	-	67.9	62.5	78.0	2.5	M75×1.5	15	94	106.2	117.0

Insulated Adaptor

FEATURES

- Used where the enclosure is not relied upon for bonding the cable to the earth, for example:
- To prevent the heating effects of circulating currents
- To segregate low voltage and high voltage earth fault paths
- Impact resistance: 7 Joules
- Ambient Temperature: -50°C to +85°C
- Material: Brass (481AA - Series) or Aluminium (481AL - Series)
- Insulator: 30% glass filled nylon 12
- Certified: EExd IIC for hazardous area applications



Part number	Size
481AA53	20
481AA55	25
481AA56	32
481AA57	40

Part number	Size
481AA59	50
481AA61	63
481AA63	75

Insulated Adaptor Details

Reference Number	Equipment Thread Size	Hex A/F	Hex A/C	Total Length	Male Length	Female Depth	Bore
481AA 53	M20	30.5	35.5	54.0	16.0	17.0	13.5
481AA 55	M25	37.6	43.2	54.0	16.0	17.0	19.0
481AA 56	M32	47.2	54.3	54.0	16.0	17.0	25.0
481AA 57	M40	55.9	64.1	54.0	16.0	17.0	30.0
481AA 59	M50	70.1	80.8	54.0	16.0	17.0	40.5
481AA 61	M63	80.0	92.0	54.0	16.0	17.0	53.0
481AA 63	M75	95.3	109.5	54.0	16.0	17.0	65.0

Reducers

FEATURES

- Problems caused by dissimilar threads can occur in both hazardous and industrial environments
- Reducers provide a means of connection between dissimilar thread sizes
- Effectively reduces the threaded entry diameter of an enclosure to accept a gland or fitting with a smaller thread. Reducers may also be supplied to accept smaller glands of alternative threads forms
- EExd and EExe certified as ATEX, CSA, IECEx and GOST Standards



EExd & EExe Reducers

Part number	Male Thread	Female Thread
MR2016	M20	M16
MR2520	M25	M20
MR3220	M32	M20
MR3225	M32	M25
MR4025	M40	M25

Part number	Male Thread	Female Thread
MR4032	M40	M32
MR5032	M50	M32
MR5040	M50	M40
MR6350	M63	M50

Also available in other sizes and stainless steel, aluminium or nylon

Brass & Aluminium Earth Tags



FEATURES

- Ensures earth continuity is maintained between the gland and the equipment
- Aluminium earth tags should be used with aluminium glands

Part number		Size
Brass	Aluminium	
428ET51	458ET51	16
428ET53	458ET53	20
428ET55	458ET55	25
428ET56	458ET56	32
428ET57	458ET57	40

Part number		Size
Brass	Aluminium	
428ET59	458ET59	50
428ET61	458ET61	63
428ET63	458ET63	75
428ET65	458ET65	85/90

Brass, Steel & Aluminium Locknuts



FEATURES

- Used to secure cable gland to the equipment where entry hole is not tapped
- Brass backnuts recommended for most corrosive environments
- Aluminium backnuts should be used with aluminium glands
- Steel locknuts are primarily for dry, low humidity environments

Part number			Size
Brass	Steel	Aluminium	
429AA51	439AA51	459AA51	16
429AA53	439AA53	459AA53	20
429AA55	439AA55	459AA55	25
429AA56	439AA56	459AA56	32
429AA57	439AA57	459AA57	40

Part number			Size
Brass	Steel	Aluminium	
429AA59	439AA59	459AA59	50
429AA61	439AA61	459AA61	63
429AA63	439AA63	459AA63	75
429AA69	439AA69	459AA69	85

Sealing Washers



FEATURES

- High performance sealing washers
- Improves the IP rating between the gland and the equipment.
- Fibre to BS6091 Pt1
- Nylon 6.6

Part number		Size
Fibre	Nylon	
41702-53	25111-003	20
41702-55	25111-005	25
41702-56	25111-006	32
41702-57	25111-007	40
41702-59	25111-009	50

Part number		Size
Fibre	Nylon	
41702-61	25111-011	63
41702-63	25111-013	75
41702-64	25111-014	85
41702-65	25111-015	90



Jointing Tech

Jointing Tech Branches:

Woking

Unit 19
Woking Business Park
Albert Drive
Woking
GU21 5JY

Tel: 01483 747747

Bristol

The Alpha Centre
Armstrong Way
Great Western Business Park
Yate
Bristol
BS37 5NG

Tel: 01454 322555

Norton Canes

Unit 15-16
Bellsiz Close
Norton Canes
Staffordshire
WS11 9TQ

Tel: 01543 450555

Quality and Industry Accreditation



Jointing Tech Group:

Langley Engineering Ltd

16 The Markham Centre
Theale
Reading
Berkshire
RG7 4PE

Tel: 0118 930 5990

Jointing Tech – Trace Heating Department

Unit 4 Eversley Way
Thorpe Industrial Estate
Egham
Surrey
TW20 8RG

Tel: 01784 279005

Jointing Technologies is part of Toolout Limited.
© Toolout Limited. All rights reserved.
Registered in England. Company Number 2281668

www.jointingtech.co.uk