

# *LONGWORTH*

AUSTRALIAN MADE & OWNED

# AIR HOSE FITTINGS

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# LONGWORTH

AUSTRALIAN MADE & OWNED



## WHEN IN DOUBT LOCK IT OUT

Lock Out Tag Out couplings for the isolation and prevention of trailer operation.

- One handed operation
- 4 anodised finishes to choose from
- Male standard and self sealed air fitting
- Designed and manufactured in Australia
- 6.35mm (1/4") padlock for correct operation



L146Black



L146Gold



L146Silver



L146Red

# CONTENTS

## TRUCK NPT 2

Couplings	2
Couplings Cont	3
Bulkhead & Locknuts	4
Tee & Hose Joiners	4
Hexagon Nipples	5
Elbows	5
Plugs	6
Reducing Bushes	6
Adaptors	7
Dust Covers	8
Hose Barb	8
Tail Fittings	

## BRAKE KITS 9

Air Fittings For Brake Kits	9
-----------------------------	---

## INDUSTRIAL BSP 10

Couplings	11
Elbows	12
Hexagon Sleeves	12
Hexagon Nipples	13
Reducing Bushes	13
Nuts & Tails	14
Connectors	14
Hose Barb Tail Fittings	15
Plugs	15
Tee & Hose Joiners	16

## TUBE FITTINGS 17

Nuts & Tails	18
Elbows	18
Tee & Hose Joiners	18
Adaptors	19
Connectors	19
Ferrules	19

## GAUGES 20

Gauges	20
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# COUPLINGS



### COUPLING MALE THD

MALE THD	SELF SEAL	PART NO.	X REF.
1/4" NPT	NO	L132	CA93-83
1/4" BSPT	NO	L132B	
3/8" NPT	NO	L133	CA93-84
3/8" BSPT	NO	L133B	
1/2" NPT	NO	L134	CA93-85
1/2" NPT	YES	L141	CA93-32
3/8" NPT	YES	L142	CA93-31
3/8" BSPT	YES	L142B	
1/4" NPT	YES	L143	CA93-30
1/4" BSPT	YES	L143B	



### COUPLING FEMALE THD

FEMALE THD	SELF SEAL	PART NO.	X REF.
1/4" NPSF	NO	L137	CA93-86
1/4" BSPPL	NO	L137B	
3/8" NPSF	NO	L136	CA93-82
3/8" BSPPL	NO	L136B	
1/2" NPSF	NO	L135	CA93-87
1/4" NPSF	YES	L140	CA93-33
1/4" BSPPL	YES	L140B	
3/8" NPSF	YES	L139	CA93-34
3/8" BSPPL	YES	L139B	
1/2" NPSF	YES	L138	CA93-35



### COUPLING ADAPTOR MALE THD

MALE THD	SELF SEAL	PART NO.	X REF.
1/4" NPT	NO	L32	CA93-18
1/4" BSPT	NO	L32B	
3/8" NPT	NO	L33	CA93-19
3/8" BSPT	NO	L33B	
1/2" NPT	NO	L36	CA93-20



### COUPLING ADAPTOR FEMALE THD

FEMALE THD	SELF SEAL	PART NO.	X REF.
1/4" NPSF	NO	L39	CA93-21
1/4" BSPPL	NO	L39B	
3/8" NPSF	NO	L38	CA93-22
3/8" BSPPL	NO	L38B	
1/2" NPSF	NO	L35	CA93-23



### COUPLING ADAPTOR MALE THD

MALE THD	SELF SEAL	PART NO.	X REF.
1/4" NPT	YES	L32-S	CA93-91
3/8" NPT	YES	L33-S	CA93-92
1/2" NPT	YES	L36-S	CA93-93



### COUPLING ADAPTOR FEMALE THD

FEMALE THD	SELF SEAL	PART NO.	X REF.
1/4" NPSF	YES	L39-S	CA93-88
3/8" NPSF	YES	L38-S	CA93-89
1/2" NPSF	YES	L35-S	CA93-90





**COUPLING ADAPTOR HOSE BARB**

HOSE I.D	SELF SEAL	PART NO.	X REF.
3/8"	NO	L34-6	CA93-8
1/2"	NO	L34-8	CA93-14



**ROAD TRAIN COUPLING**

DESCRIPTION	PART NO.	X REF.
1/2" NPT MALE	L118	CA93-118
1/2" NPT FEMALE	L119	CA93-119



**DEAD END COUPLING ADAPTOR**

DESCRIPTION	PART NO.	X REF.
C/W WASHER, SPRING WASHER & NUT	L31	CA93-99



**COUPLING ADAPTOR C/W L52 LOCKNUT**

TUBE	MALE THD	SELF SEAL	PART NO.	X REF.
3/8"	1/2" BSPP	NO	L30	CA93-109
3/8"	1/2" BSPP	YES	L30-S	
12mm	1/2" BSPP	NO	LW0011	M12x1.5



**REPAIR KITS**

DESCRIPTION	PART NO.	X REF.
SEALING COUPLING	QRK1	CA93-114



**BULKHEAD COUPLING C/W L52 LOCKNUT**

TUBE	MALE THD	SELF SEAL	PART NO.	X REF.
3/8"	1/2" BSPP	YES	L144	CA93-117
3/8"	1/2" BSPP	NO	L145	CA93-112
12mm	1/2" BSPP	NO	LW0010	M12x1.5



**REPAIR KITS**

DESCRIPTION	PART NO.	X REF.
NON SEALING COUPLING	QRK2	CA93-115



# BULKHEAD & LOCKNUTS



BULKHEAD FITTINGS				
FEMALE THD	MALE THD	LOCKNUT INC'D	PART NO.	X REF.
1/4" NPSF	1/2" BSPF	NO (SUIT L52)	L43	T438
1/4" NPSF	1/2" BSPF	YES - L52	L43/L52	
1/4" NPSF	3/4" UNF	YES - L51	L41	
3/8" NPSF	1" UNF	YES - L44A	L44	



BULKHEAD FITTINGS				
FEMALE THD	MALE THD	LOCKNUT INC'D	PART NO.	X REF.
1/2" NPSF	1/2" NPT & 3/4" BSPF	NO (SUIT L53)	L42	T381
3/8" NPSF	1/2" NPT & 1" UNF	YES - L44A	L45	



MISC NUTS		
NUT	DESCRIPTION	PART NO.
3/8" UNF	NUT FLARE	L4200-3



LOCKNUTS		
THREAD	PART NO.	X REF.
1/2" BSPF	L52	T429
3/4" BSPF	L53	T382
3/4" UNF	L51	
1" UNF	L44A	

# TEE & HOSE JOINERS

TEE PIECE		
HOSE I.D.	THREAD	PART NO.
1/2"	3/8" NPT	L7244



# ELBOWS



ELBOW TAIL FITTING - MALE NPT		
HOSE I.D	MALE THD	PART NO.
3/8"	1/2" NPT	L6TM8J
1/2"	3/8" NPT	L8TM6J
1/2"	1/2" NPT	L8TM8J
3/4"	1/2" NPT	L12TM8J



ELBOW TAIL FITTING - MALE METRIC C/W NUT			
HOSE I.D	MALE THD	NUT	PART NO.
1/2"	M16 x 1.5	M16 x 1.5	8TM16x1.5J



ELBOWS - MALE AND MALE			
MALE THD	MALE THD	ANGLE	PART NO.
3/8" NPT	1/4" NPT	90°	L108-6-4
1/2" NPT	1/4" NPT	90°	L108



ELBOWS - MALE AND FEMALE				
MALE THD	FEMALE THD.	ANGLE	PART NO.	X REF.
1/4" NPT	1/4" NPSF	90°	L102	L3181
3/8" NPT	1/4" NPSF	90°	L103	
3/8" NPT	3/8" NPSF	90°	L104	L3182
1/4" NPT	3/8" NPSF	90°	L105	

# HEXAGON NIPPLES



HEXAGON NIPPLES			
MALE THD	MALE THD	PART NO.	X REF.
1/8" NPT	1/8" NPT	L92	L3260A
1/4" NPT	1/8" NPT	L93	
1/4" NPT	1/4" NPT	L94	L3261A
1/4" NPT	3/8" NPT	L95	L3211
3/8" NPT	3/8" NPT	L96	L3262A
1/2" NPT	1/2" NPT	L97	L3263A
3/8" NPT	1/2" NPT	L97-8-6	L533
1/4" NPT	1/2" NPT	L98	L537
1/2" NPT	3/4" NPT	L99	L532
3/4" NPT	3/4" NPT	L100	CA20-30

# PLUGS



HEXAGON TAPPER PLUG - NPT		
MALE THD	PART NO.	X REF.
1/8" NPT	L72	
1/4" NPT	L73	L3241
3/8" NPT	L74	L3242
1/2" NPT	L75	L3243
3/4" NPT	L76	L3245
1" NPT	L77	



METRIC PLUGS INC. O'RINGS	
MALE THD	PART NO.
M16 X 1.5	LW0003
M22 X 1.5	LW0004

# REDUCING BUSHES



REDUCING BUSHES - NPT			
MALE THD	FEMALE THD	PART NO.	X REF.
1/8" NPT	1/8" NPSF	L60	
1/4" NPT	1/2" NPT	L60-4-8	
1/4" NPT	1/8" NPSF	L62	L3224
1/2" NPT	1/8" NPSF	L63	L3223
3/8" NPT	1/4" NPSF	L64	L3222
1/2" NPT	1/4" NPSF	L65	L3226
1/2" NPT	3/8" NPSF	L66	L3225
3/4" NPT	1/2" NPSF	L67	L3229
3/4" NPT	1/4" NPSF	L67-4	L3227
3/4" NPT	3/8" NPSF	L67-6	





PIPE ADAPTOR		
MALE THD	FEMALE THD	PART NO.
M12 X 1.5	3/8" UNF	GS184X12MM



ADAPTOR METRIC MALE & FEMALE NPT		
MALE THD	FEMALE THD	PART NO.
M12 X 1.5	1/4" NPT	L528
M12 X 1.5	3/8" NPT	L530
M16 X 1.5	1/4" NPT	L533
M16 X 1.5	3/8" NPT	L534
M22 X 1.5	1/2" NPT	L535



PIPE ADAPTOR		
MALE THD	FEMALE THD	PART NO.
3/4" UNF	3/8" NPTF	LW0005



PIPE ADAPTOR		
MALE THD	FEMALE THD	PART NO.
3/8" UNF	3/8" UNF	M120-3



ADAPTOR METRIC MALE & FEMALE NPT		
MALE THD	FEMALE THD	PART NO.
M22 X 1.5	1/4" NPT	L537
M22 X 1.5	3/8" NPT	L538
M22 X 1.5 Male Thread Including O'Ring	3/8" NPT	LW0008



ADAPTOR METRIC FEMALE & MALE NPT		
MALE THD	FEMALE THD	PART NO.
3/8" NPT	M16 X 1.5	M16X6
3/8" NPT	M22 X 1.5	M22X6



ADAPTOR METRIC MALE & MALE NPT		
MALE THD	MALE THD	PART NO.
1/4" NPT	M12 X 1.5	MM12X4
1/4" NPT	M16 X 1.5	MM16X4
3/4" NPT	M22 X 1.5	MM22X12

# HOSE BARB TAIL FITTINGS



HOSE BARB TAIL FITTINGS NPT			
TAIL	MALE THD	PART NO.	X REF.
3/8" HOSE	1/4" NPT	L12	T176
3/8" HOSE	3/8" NPT	L13	T260
3/8" HOSE	1/2" NPT	L14	T255
1/2" HOSE	3/8" NPT	L15	T366
1/2" HOSE	1/4" NPT	L16	T367
1/2" HOSE	1/2" NPT	L17	T368
3/4" HOSE	1/2" NPT	LW0009	

HOSE BARB TAIL FITTINGS METRIC INC. O'RING		
TAIL	MALE THD	PART NO.
1/2" HOSE	M16 X 1.5	LW0001
3/4" HOSE	M22 X 1.5	LW0002
3/4" HOSE	3/4" NPT & M26	LW0006



HOSE CONNECTOR	
TAIL	PART NO.
3/8"	LW0007



HOSE BARB TAIL FITTING			
TAIL	MALE THD	FEMALE THD	PART NO.
1/2" HOSE	3/8" NPT	3/8" NPTF	L123

# DUST COVERS



DOMED DUST COVER		
DESCRIPTION	PART NO.	X REF.
DOMED DUST COVER WITH CHAIN	L93-79	CA93-79
DOMED (DOUBLE) DUST COVER	L93-103	CA93-103

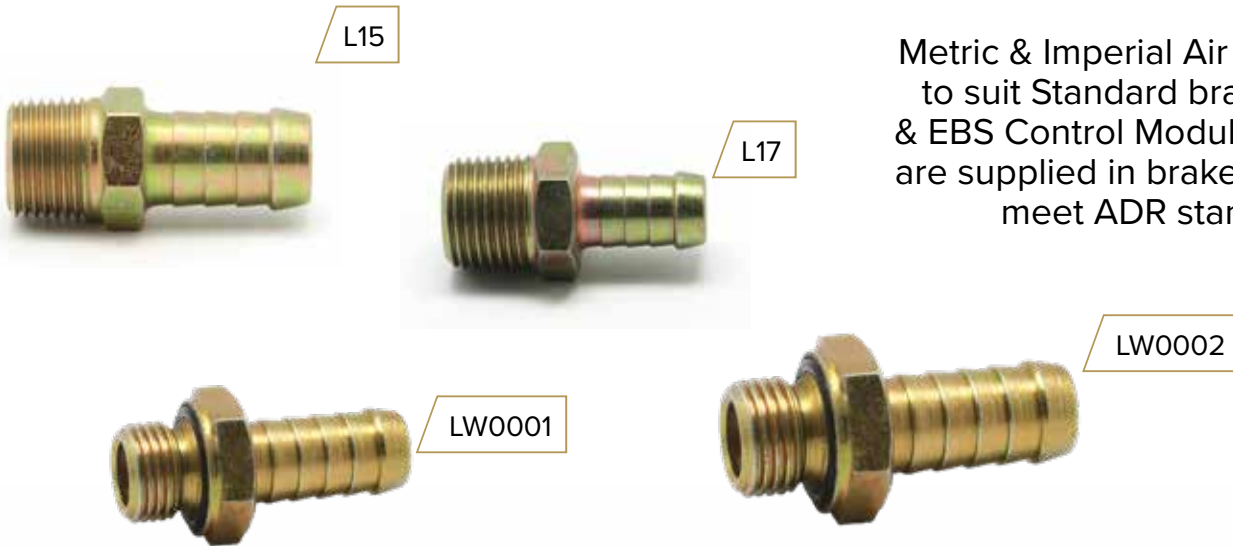


DUST COVER		
DESCRIPTION	PART NO.	X REF.
DUST COVER WITH CHAIN	L93-81	CA93-81
DUST COVER WITH NUT & BOLT	L93-97	CA93-97

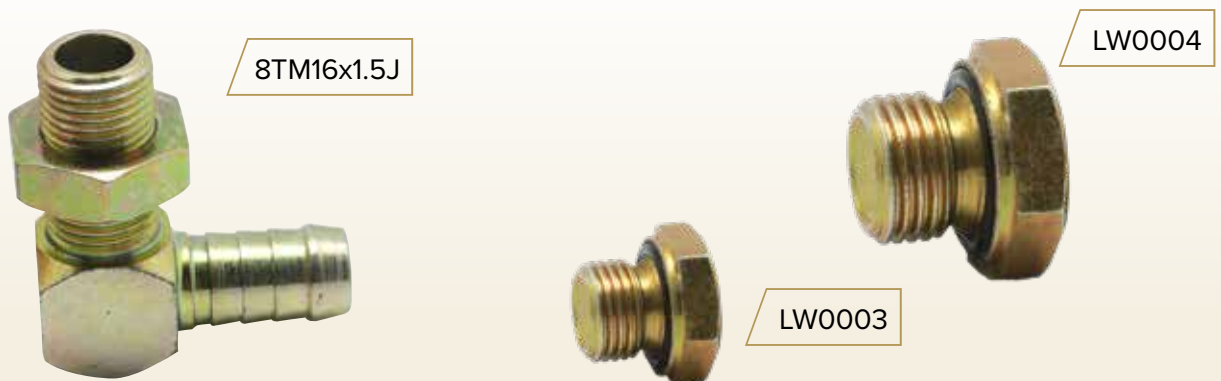
## EBS CONTROL MODULES

(Wabco, Knorr-Bremse & Haldex)

Metric & Imperial Air fittings to suit Standard brake kits & EBS Control Modules that are supplied in brake kits to meet ADR standards.



EBS UNIT		
MALE THD	PART NO	DESCRIPTION
3/8" NPT Male Thread	L15	Barb for 1/2" Hose
1/2" NPT Male Thread	L17	Barb for 1/2" Hose
M16 X 1.5 Male Thread including O'Ring	LW0001	Barb for 1/2" Hose
M22 X 1.5 Male Thread including O'Ring	LW0002	Barb for 3/4" Hose
M16 X 1.5 Male Thread Including M16 Nut	8TM16x1.5J	90° Elbow – Barb for 1/2" Hose
M16 X 1.5 Male Thread including O'Ring	LW0003	Plug
M22 X 1.5 Male Thread including O'Ring	LW0004	Plug



# INDUSTRIAL BSP

Couplings	11
Elbows	12
Hexagon Sleeves	12
Hexagon Nipples	13
Reducing Bushes	13
Nuts & Tails	14
Connectors	14
Hose Barb Tail Fittings	15
Plugs	15
Tee & Hose Joiners	16





### 310 TYPE FEMALE COUPLINGS

FEMALE THREAD	PART NO.
1/4" BSPPL	310F4
3/8" BSPPL	310F6
1/2" BSPPL	310F8



### THREADED ADAPTORS FOR 310 COUPLINGS

MALE THREAD	PART NO.
1/8" BSPT	31M2
1/4" BSPT	31M4
3/8" BSPT	31M6



### 310 TYPE MALE COUPLINGS

MALE THREAD	PART NO.
1/4" BSPT	310M4
3/8" BSPT	310M6
1/2" BSPT	310M8



### THREADED ADAPTORS FOR 310 COUPLINGS

FEMALE THREAD	PART NO.
1/8" BSPPL	31F2
1/4" BSPPL	31F4



### 310 TYPE HOSE COUPLINGS

TAIL SIZE	PART NO.
3/8"	310T6



### BARBED ADAPTORS FOR 310 COUPLINGS

TAIL	PART NO.
6mm (1/4")	31T4
8mm (5/16")	31T5
10mm (3/8")	31T6
12.5mm (1/2")	31T8



### LOOSE NUT ADAPTORS FOR 310 COUPLINGS

NUT THD	PART NO.
1/4" BSPF	31N4

All steel construction ensures good wear resistance  
 Stainless steel springs  
 Neoprene seat  
 Repair Kits Available: Part No. 300



# ELBOWS



ELBOW TAIL FITTING - MALE BSP		
HOSE I.D	MALE THD	PART NO.
1/4"	1/4" BSPT	4TM4J
5/16"	1/4" BSPT	5TM4J
3/8"	1/4" BSPT	6TM4J
3/8"	3/8" BSPT	6TM6J
3/8"	1/2" BSPT	6TM8J
1/2"	1/4" BSPT	8TM4J
1/2"	3/8" BSPT	8TM6J
1/2"	1/2" BSPT	8TM8J

ELBOWS - MALE AND FEMALE			
MALE THD	FEMALE THD.	ANGLE	PART NO.
1/8" BSPT	1/4" BSPPL	45°	2M4F-45J
1/8" BSPT	1/4" BSPPL	90°	2M4F-90J
1/4" BSPT	1/4" BSPPL	90°	4M4F-90J
3/8" BSPT	3/8" BSPPL	45°	6M6F-45J
3/8" BSPT	3/8" BSPPL	90°	6M6F-90J
1/2" BSPT	3/8" BSPPL	90°	8M6F-90J
3/4" BSPT	3/4" BSPPL	90°	12M12F-90J

# HEXAGON SLEEVES



HEXAGON SLEEVE	
FEMALE THD	PART NO.
1/8" BSPPL	3120/2
1/4" BSPPL	3120/4
3/8" BSPPL	3120/6
1/2" BSPPL	3120/8

# HEXAGON NIPPLES



HEXAGON NIPPLES (SUITS NUTS AND TAILS)		
MALE THD	MALE THD	PART NO.
1/8" BSPT	1/8" BSPT	HN2/2
1/4" BSPT	1/4" BSPT	HN4/4
1/4" BSPT	3/8" BSPT	HN4/6
1/4" BSPT	1/2" BSPT	HN4/8
3/8" BSPT	3/8" BSPT	HN6/6
3/8" BSPT	1/2" BSPT	HN6/8
1/2" BSPT	1/2" BSPT	HN8/8
1/2" BSPT	3/4" BSPT	HN8/12
3/4" BSPT	3/4" BSPT	HN12/12

# REDUCING BUSHES



REDUCING BUSHES - BSP		
MALE THD	FEMALE THD	PART NO.
1/4" BSPT	1/8" BSPPL	RB4X2
3/8" BSPT	1/8" BSPPL	RB6X2
3/8" BSPT	1/4" BSPPL	RB6X4
1/2" BSPT	1/8" BSPPL	RB8X2
1/2" BSPT	1/4" BSPPL	RB8X4
1/2" BSPT	3/8" BSPPL	RB8X6
3/4" BSPT	1/4" BSPPL	RB12X4
3/4" BSPT	3/8" BSPPL	RB12X6
3/4" BSPT	1/2" BSPPL	RB12X8

# NUTS & TAILS



NUTS & TAILS		
TAIL	NUT THD	PART NO.
1/4"	1/4" BSPF	4TN4
1/4"	3/8" BSPF	4TN6
5/16"	1/4" BSPF	5TN4
5/16"	3/8" BSPF	5TN6
3/8"	1/4" BSPF	6TN4
3/8"	3/8" BSPF	6TN6
1/2"	1/2" BSPF	8TN8

# CONNECTORS



HEXAGON CONNECTORS - MALE TO MALE		
PARALLEL CONNED	TAPER	PART NO.
1/8" BSPP	1/8" BSPT	P2M2
1/8" BSPP	1/4" BSPT	P2M4
1/4" BSPP	1/8" BSPT	P4M2
1/4" BSPP	3/8" BSPT	P4M6
3/8" BSPP	1/4" BSPT	P6M4
3/8" BSPP	3/8" BSPT	P6M6
1/2" BSPP	3/8" BSPT	P8M6
1/2" BSPP	1/2" BSPT	P8M8

HEXAGON EXTENSION CONNECTORS - 3 1/2" OVERALL		
PARALLEL CONNED	TAPER	PART NO.
1/4" BSPP	1/8" BSPT	P4M2EXS
1/4" BSPP	1/4" BSPT	P4M4EXS
3/8" BSPP	1/4" BSPT	P6M4EXS
3/8" BSPP	3/8" BSPT	P6M6EXS

# HOSE BARB TAIL FITTINGS



## HOSE BARB TAIL FITTINGS BSP MALE

TAIL	MALE THD	PART NO.
5mm (3/16")	1/8" BSPT	3TM2
6mm (1/4")	1/8" BSPT	4TM2
8mm (5/16")	1/8" BSPT	5TM2
10mm (3/8")	1/8" BSPT	6TM2
12.5mm (1/2")	1/8" BSPT	8TM2
5mm (3/16")	1/4" BSPT	3TM4
6mm (1/4")	1/4" BSPT	4TM4
8mm (5/16")	1/4" BSPT	5TM4
10mm (3/8")	1/4" BSPT	6TM4
12.5mm (1/2")	1/4" BSPT	8TM4
6mm (1/4")	3/8" BSPT	4TM6
8mm (5/16")	3/8" BSPT	5TM6
10mm (3/8")	3/8" BSPT	6TM6
12.5mm (1/2")	3/8" BSPT	8TM6
20mm (3/4")	3/8" BSPT	12TM6
8mm (5/16")	1/2" BSPT	5TM8
10mm (3/8")	1/2" BSPT	6TM8
12.5mm (1/2")	1/2" BSPT	8TM8
20mm (3/4")	1/2" BSPT	12TM8
12.5mm (1/2")	3/4" BSPT	8TM12
20mm (3/4")	3/4" BSPT	12TM12
25mm (1")	3/4" BSPT	16TM12
12.5mm (1/2")	1" BSPT	8TM16
20mm (3/4")	1" BSPT	12TM16
25mm (1")	1" BSPT	16TM16
32mm (1-1/4")	1" BSPT	20TM16
32mm (1-1/4")	1-1/4" BSPT	20TM20
38mm (1-1/2")	1-1/4" BSPT	24TM20

## HOSE BARB TAIL FITTINGS BSP FEMALE

TAIL	FEMALE THD	PART NO.
5mm (3/16")	1/8" BSPPL	3TF2
6mm (1/4")	1/8" BSPPL	4TF2
8mm (5/16")	1/8" BSPPL	5TF2
10mm (3/8")	1/8" BSPPL	6TF2
6mm (1/4")	1/4" BSPPL	4TF4
8mm (5/16")	1/4" BSPPL	5TF4
10mm (3/8")	1/4" BSPPL	6TF4
12.5mm (1/2")	1/4" BSPPL	8TF4
6mm (1/4")	3/8" BSPPL	4TF6
8mm (5/16")	3/8" BSPPL	5TF6
10mm (3/8")	3/8" BSPPL	6TF6
12.5mm (1/2")	3/8" BSPPL	8TF6

# PLUGS



## HEXAGON TAPPER PLUG - BSP

MALE THD	PART NO.
1/8" BSPT	HP2
1/4" BSPT	HP4
3/8" BSPT	HP6
1/2" BSPT	HP8
3/4" BSPT	HP12

# TEE & HOSE JOINERS



HOSE JOINER	
HOSE I.D.	PART NO.
3/16"	3DET
1/4"	4DET
5/16"	5DET
3/8"	6DET
1/2"	8DET
3/4"	12DET
1"	16DET



MALE TEES (SUITS NUTS & TAILS)	
THREAD	PART NO.
1/4" BSPT	M4A
3/8" BSPT	M6A
1/2" BSPT	M8A



FEMALE TEES	
THREAD	PART NO.
1/4" BSPPL	F4A
3/8" BSPPL	F6A



TEE HOSE JOINER	
HOSE I.D.	PART NO.
3/16"	3TA
1/4"	4TA
5/16"	5TA
3/8"	6TA
1/2"	8TA



TEE TAIL FITTING		
HOSE I.D.	MALE THD.	PART NO.
1/2"	1/4" BSPT	8TM4A
1/2"	1/2" BSPT	8TM8A

HOSE FITTING SELF STORE		
HOSE I.D.	MALE THD.	PART NO.
1/4"	1/4" BSPT	SS4M4
3/8"	1/4" BSPT	SS6M4
3/8"	3/8" BSPT	SS6M6
1/2"	1/2" BSPT	SS8M8



HOSE FITTING SELF STORE		
HOSE I.D.	MALE THD.	PART NO.
3/4"	3/4" BSPT	SS12M12





# TUBE FITTINGS

Nuts & Tails	18
Elbows	18
Tee & Hose Joiners	18
Adaptors	19
Connectors	19
Ferrules	19



# ELBOWS

## NUTS & TAILS



TUBE NUT			
TUBE	MALE THD	PART NO.	X REF.
3/16"	3/8" UNF	L23-3	NF104-3
1/4"	7/16" UNF	L23-4	NF104-4
5/16"	1/2" UNF	L23-5	NF104-5
3/8"	9/16" UNF	L23-6	NF104-6
1/2"	3/4" UNF	L23-8	NF104-8



ELBOW TUBE FITTING - MALE NPT				
TUBE	FEMALE THD	MALE THD	PART NO.	X REF.
1/4"	7/16" UNF	1/8" NPT	L27-4-2	NF108-4-2
1/4"	7/16" UNF	1/4" NPT	L27-4-4	NF108-4-4
5/16"	1/2" UNF	1/8" NPT	L27-5-2	NF108-5-2
5/16"	1/2" UNF	1/4" NPT	L27-5-4	NF108-5-4
3/8"	9/16" UNF	1/8" NPT	L27-6-2	NF108-6-2
3/8"	9/16" UNF	1/4" NPT	L27-6-4	NF108-6-4
3/8"	9/16" UNF	3/8" NPT	L27-6-6	NF108-6-6
3/8"	9/16" UNF	1/2" NPT	L27-6-8	NF108-6-8
1/2"	3/4" UNF	1/4" NPT	L27-8-4	NF108-8-4
1/2"	3/4" UNF	3/8" NPT	L27-8-6	NF108-8-6
1/2"	3/4" UNF	1/2" NPT	L27-8-8	NF108-8-8

# TEE & HOSE JOINERS



FEMALE TEE - TUBE TO TUBE			
TUBE OD	FEMALE THD	PART NO.	X REF.
1/4"	7/16" UNF	L28-4	NF110-4
3/8"	9/16" UNF	L28-6	NF110-6
1/2"	3/4" UNF	L28-8	NF110-8



MALE TEE - TUBE TO THREAD				
TUBE OD	FEMALE THD	MALE THD	PART NO.	X REF.
3/8"	9/16" UNF	1/4" NPT	L29-6-4	NF111-6-4
3/8"	9/16" UNF	3/8" NPT	L29-6-6	NF111-6-6
1/2"	3/4" UNF	3/8" NPT	L29-8-6	NF111-8-6



FEMALE TEE - TUBE TO THREAD				
TUBE ID	FEMALE THD	MALE THD	PART NO.	X REF.
3/8"	9/16" UNF	1/4" NPT	L30-6-4	NF112-6-4
1/2"	3/4" UNF	3/8" NPT	L30-8-6	NF112-8-6



TUBE ADAPTOR - MALE THREAD				
TUBE	FEMALE THD	MALE THD	PART NO.	X REF.
3/16"	3/8" UNF	1/8" NPT	L24-3-2	NF105-3-2
1/4"	7/16" UNF	1/8" NPT	L24-4-2	NF105-4-2
1/4"	7/16" UNF	1/4" NPT	L24-4-4	NF105-4-4
5/16"	1/2" UNF	1/8" NPT	L24-5-2	NF105-5-2
5/16"	1/2" UNF	1/4" NPT	L24-5-4	NF105-5-4
3/8"	9/16" UNF	1/8" NPT	L24-6-2	NF105-6-2
3/8"	9/16" UNF	1/4" NPT	L24-6-4	NF105-6-4
3/8"	9/16" UNF	3/8" NPT	L24-6-6	NF105-6-6
3/8"	9/16" UNF	1/2" NPT	L24-6-8	NF105-6-8
1/2"	3/4" UNF	1/4" NPT	L24-8-4	NF105-8-4
1/2"	3/4" UNF	3/8" NPT	L24-8-6	NF105-8-6
1/2"	3/4" UNF	1/2" NPT	L24-8-8	NF105-8-8

## CONNECTORS



TUBE CONNECTORS			
TUBE	FEMALE THD	PART NO.	X REF.
1/4"	7/16" UNF	L25-4	NF100-4
5/16"	1/2" UNF	L25-5	NF100-5
3/8"	9/16" UNF	L25-6	NF100-6
1/2"	3/4" UNF	L25-8	NF100-8

## FERRULES



BRASS TUBE FERRULE			
TUBE OD	TUBE ID	PART NO.	X REF.
3/16"	0.115"	L21-3	NF103-3
1/4"	0.156"	L21-4	NF103-4
5/16"	0.187"	L21-5	NF103-5
3/8"	0.224"	L22-6	NF103-6
3/8"	0.251"	L21-6	NF103-6R
1/2"	0.375"	L21-8	NF103-8



# GAUGES

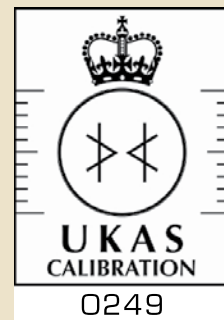
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