

COPPER FITTINGS

NZ DIMENSION BRAZING FITTINGS

FOR USE WITH NZS 3501 COPPER PLUMBING TUBE

(SELECTED FITTINGS FOR AS/NZS 1571 OR AS 1432 COPPER TUBE AS INDICATED)



HIGHFLO

COPPER FITTINGS SINCE 1958

CATALOGUE VERSION 25.1

ISSUED 1ST OCTOBER 2025

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KEY CONTACTS

IAN CARSON—MANAGING DIRECTOR

Ian has been with Highflo since 2002 and is the 'Hands On' Managing Director. He is extremely proud of Highflo's local manufacturing heritage and has worked hard to both maintain and build the range of products made here in the factory in Lower Hutt, NZ.

Through Ian's leadership Highflo has also branched out, to partner with leading overseas specialists, giving Highflo access to both high volume price sensitive products and speciality NZ made items as well.

The latest development, a partnership with Sanbra Fyffe, Ireland, now adds Instantor Copper Press Fittings for NZS3501 Copper Tube, alongside our core Brazing Fitting range.

In Ian's opinion, "Brazing and press solutions compliment each other superbly. Brazing will always have a place as an installation option, however the timesaving and safety benefits of a press install can't be overlooked. Supporting both options makes Highflo a market leading supplier for Copper Fittings in NZ, as no other wholesaler can support their customers with the same extensive range of both Brazed and Press Fittings, paired with the quality and service standard of Highflo."

Ian adds that we hold true to our motto, **"Best Range, Within Specification, On Time & at a Fair Price."**

One of the things Ian is most proud of, is that through Highflo's growth, and with the on-going support of our customers, there has also been a management led drive to ensure we "Give Back" to the community Highflo operates within. "We don't isolate ourselves from the needs of the community in which we live and work."

To this extent Highflo has been a Community Partner with the Lifeflight Trust since 2005 and sponsored the Special Children's Christmas Party since 2012. There are also a number of local representative sports players who had contributions made to their tournament expenses for both national and international competitions.



LYNETTE CARSON—DIRECTOR & FINANCIAL CONTROLLER

Lynette has been a Shareholder of Highflo since 2003, joining the staff in 2010 as the Financial Controller, and was appointed a Director in 2012. Lynette is testimony to the longevity and history of Highflo as she is the grand-daughter of Highflo's Co-Founder Allan J. Ramsay and she is now the third generation of family directorship of the company.

The transition to 'Cloud Based' accounting, which has led to great improvement in Highflo's operational efficiency, and their ability to better service their customers, has been one of Lynette's biggest work challenges to date. However, it's successful implementation, has made a substantial improvement to Highflo's overall efficiency and to their responsiveness to customer's needs and to be able adapt to changing product trends and requirements efficiently.

As the Highflo staff are a small, dedicated team, they also need to have multiple skillsets, so Lynette also covers the 'Pack and Dispatch' from time to time, and she may well also be the friendly voice who answers your phone call to deal with those technical questions.

Lynette also has the desire to ensure that Highflo is supportive of the local community and has been the driving force behind the support of the Wellington Free Ambulance, and also of late, the move to partner with the local Foodbank with the aim to sponsor approximately 750 ready made meals per annum into the homes of those in need locally.



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ALICETOWN
LOWER HUTT 5010
NEW ZEALAND

COPPER ELBOWS



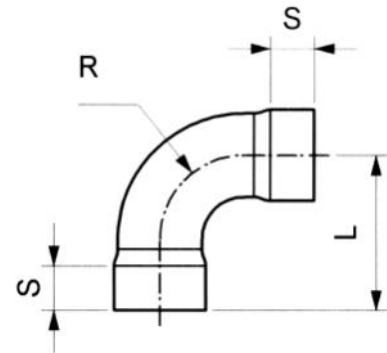
90° COPPER ELBOWS – EXPANDED BOTH ENDS

SIZE	CODE	RADIUS 'R'	DEPTH 'S'	LENGTH 'L'
10MM*	CE1090	10MM	5MM	15MM
*SUITS 9.52MM AS/NZS1571 TUBE				
15MM	CE1590	23MM	11MM	30MM
20MM	CE2090	27MM	12MM	42MM
25MM	CE2590	31MM	12MM	54MM
32MM	CE3290	37MM	15MM	62MM
40MM	CE4090	43MM	15MM	69MM
50MM	CE5090	60MM	12MM	79MM
65MM	CE6592	78MM	18MM	107MM
80MM	CE8092	110MM	23MM	125MM
100MM	CE10092	127MM	25MM	165MM
125MM^	CE12590	187MM	20MM	188MM

^AS STD FTG. NOT A CORE LINE. NOT NECESSARILY IN STOCK

150MM	CE15090LR	212MM	50MM	262MM
200MM~	CE20090	300MM	28MM	300MM

~AS STD FTG. NOT A CORE LINE. NOT NECESSARILY IN STOCK



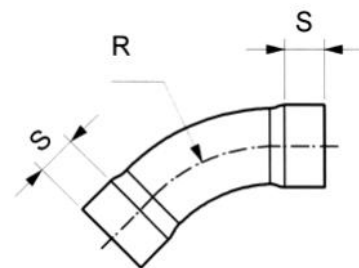
45° COPPER ELBOWS – EXPANDED BOTH ENDS

SIZE	CODE	RADIUS 'R'	DEPTH 'S'
15MM	CE1545	23MM	11MM
20MM	CE2045	27MM	12MM
25MM	CE2545	31MM	12MM
32MM	CE3245	37MM	15MM
40MM	CE4045	43MM	15MM
50MM	CE5045	60MM	12MM
65MM	CE6545	78MM	18MM
80MM	CE8045	110MM	23MM
100MM	CE10045	127MM	25MM
125MM^	CE12545	187MM	20MM

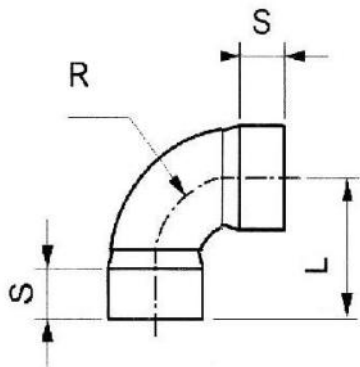
^AS STD FTG. NOT A CORE LINE. NOT NECESSARILY IN STOCK

150MM	CE15045	142MM	45MM
200MM*	CE20045	300MM	28MM

***AS STD FTG. NOT A CORE LINE. NOT NECESSARILY IN STOCK**

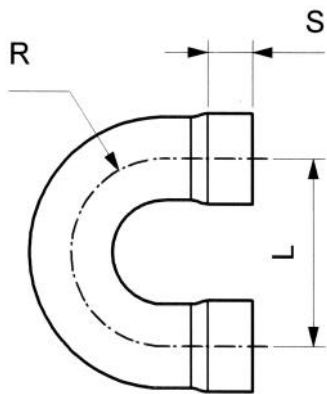


COPPER ELBOWS & TUBE EXPANDERS



SHORT (TIGHT RADIUS) COPPER ELBOWS

SIZE	CODE	RADIUS 'R'	DEPTH 'S'	LENGTH 'L'
15MM	CE15S	13MM	10MM	20MM
20MM	CE20S	20MM	14MM	26MM
25MM	CE25S	25MM	15MM	35MM
150MM	CE150S	103MM	47MM	103MM

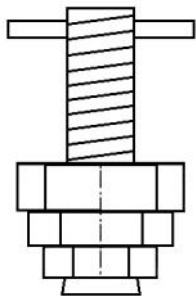


180° COPPER U ELBOWS EXPANDED BOTH ENDS

SIZE	CODE	RADIUS 'R'	DEPTH 'S'	LENGTH 'L'
15MM	CE15180	23MM	11MM	46MM
20MM	CE20180	27MM	12MM	54MM
25MM	CE25180	31MM	12MM	62MM
32MM [#]	CE32180	37MM	15MM	74MM
40MM [#]	CE40180	43MM	15MM	86MM
50MM [#]	CE50180	60MM	12MM	120MM
65MM [#]	CE65180	78MM	18MM	156MM
80MM [#]	CE80180	110MM	23MM	220MM
100MM [#]	CE100180	138MM	25MM	276MM

[#] MADE TO ORDER, LEAD-TIMES WILL APPLY AND NON RETURNABLE

COPPER TUBE EXPANDER - NZS3501 & AS1432 - COLLETT TYPE



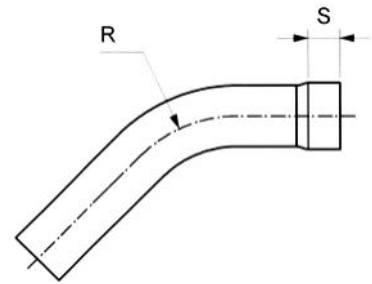
CODE	DESCRIPTION
EXP5040	TUBE EXPANDER FOR NZS3501 50MM & NZS3501 40MM
EXP65	TUBE EXPANDER FOR NZS3501 65MM
EXP10080	TUBE EXPANDER FOR NZS3501 TABLE II 100MM & 80MM
EXPNZ150AS125	TUBE EXPANDER FOR NZS3501 150MM & AS1432 125MM
EXPAS50AS40	TUBE EXPANDER FOR AS1432 50MM & AS1432 40MM
EXPAS65	TUBE EXPANDER FOR AS1432 65MM
EXPAS100AS80	TUBE EXPANDER FOR AS1432 100MM & AS1432 80MM
EXPAS200AS150	TUBE EXPANDER FOR AS1432 200MM & AS1432 150MM

COPPER BENDS

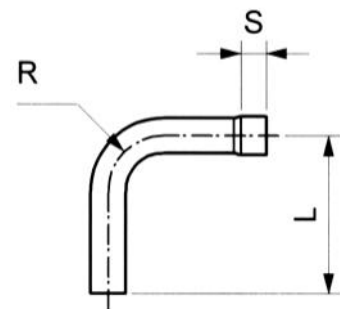


45° AND 90° COPPER LONG BENDS EXPANDED ONE END

SIZE	CODE	RADIUS 'R'	DEPTH 'S'
25MM	CB2545L	31MM	12MM

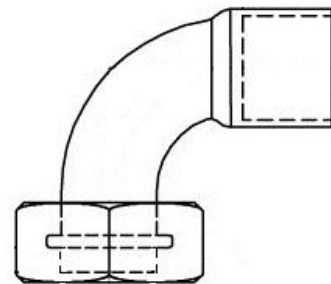


SIZE	CODE	RADIUS 'R'	DEPTH 'S'	LENGTH 'L'
15MM	CB1590L	23MM	11MM	64MM
20MM	CB2090L	27MM	12MM	65MM
25MM	CB2590L	31MM	12MM	80MM



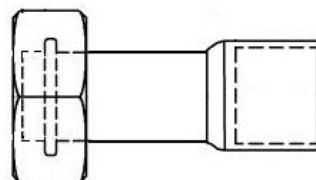
PRE-CROXED BSP TO COPPER BENDS

TUBE	CODE	SOCKET	BSP NUT	ANGLE
15MM	BCBSP15	15MM	1/2"	90 °
20MM	BCBSP20	20MM	3/4"	90 °



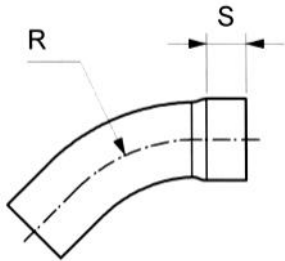
PRE-CROXED BSP TO COPPER STRAIGHT CONNECTORS

TUBE	CODE	SOCKET	BSP NUT
15MM	SCBSP15x1/2	15MM	1/2"
15MM	SCBSP15x3/4	15MM	3/4"
20MM	SCBSP20x3/4	20MM	3/4"



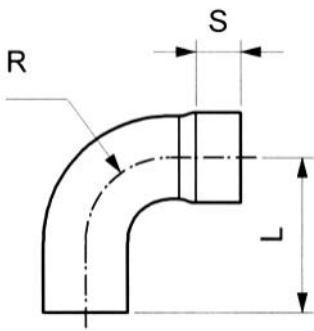
COPPER BENDS

45° COPPER BENDS – EXPANDED ONE END



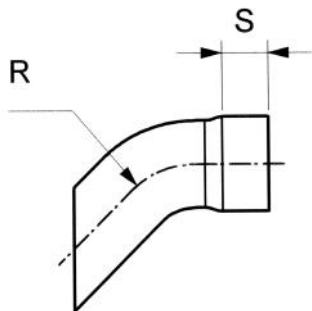
SIZE	CODE	RADIUS 'R'	DEPTH 'S'
15MM	CB1545	23MM	11MM
20MM	CB2045	27MM	12MM
25MM	CB2545	31MM	12MM
32MM	CB3245	37MM	15MM
40MM	CB4045	43MM	15MM
50MM	CB5045	60MM	12MM
65MM	CB6545	78MM	18MM
80MM	CB8045	110MM	23MM
100MM	CB10045	127MM	25MM

90° / 92.5° COPPER BENDS – EXPANDED ONE END



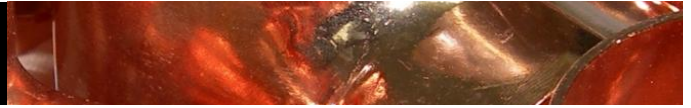
SIZE	CODE	RADIUS 'R'	DEPTH 'S'	LENGTH 'L'
15MM	CB1590	23MM	11MM	48MM
20MM	CB2090	27MM	12MM	60MM
25MM	CB2590	31MM	12MM	64MM
32MM	CB3290	37MM	15MM	62MM
40MM	CB4090	43MM	15MM	69MM
50MM	CB5090	60MM	12MM	79MM
65MM	CB6592	78MM	18MM	107MM
80MM	CB8092	110MM	23MM	125MM
100MM	CB10092	127MM	25MM	165MM

COPPER BRANCH BENDS – EXPANDED ONE END



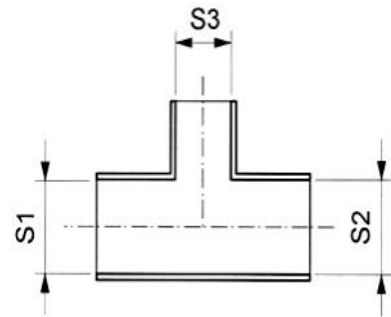
SIZE	CODE	RADIUS 'R'	DEPTH 'S'
15MM	CB15BB	23MM	11MM
20MM	CB20BB	27MM	12MM
25MM	CB25BB	31MM	12MM
32MM	CB32BB	37MM	15MM
40MM	CB40BB	43MM	15MM
50MM	CB50BB	60MM	12MM
65MM	CB65BB	78MM	18MM
80MM	CB80BB	110MM	23MM
100MM	CB100BB	127MM	25MM

COPPER TEES—REDUCING



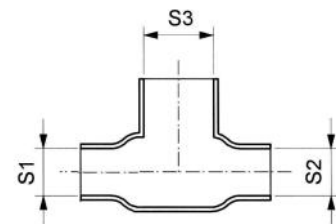
REDUCING BRANCH COPPER TEE—DIMENSIONS S1 x S2 x S3

SIZE	CODE	S1 'LEFT'	S2 'RIGHT'	S3 'BRANCH'
15x15x10*	CTR151510	15MM	15MM	10MM
*BRANCH TO SUIT 9.52MM AS/NZS1571 TUBE				
20x20x15	CTR202015	20MM	20MM	15MM
25x25x15	CTR252515	25MM	25MM	15MM
25x25x20	CTR252520	25MM	25MM	20MM
32x32x15	CTR323215	32MM	32MM	15MM
32x32x20	CTR323220	32MM	32MM	20MM
32x32x25	CTR323225	32MM	32MM	25MM
40x40x20	CTR404020	40MM	40MM	20MM
40x40x25	CTR404025	40MM	40MM	25MM
40x40x32	CTR404032	40MM	40MM	32MM
50x50x20	CTR505020	50MM	50MM	20MM
50x50x25	CTR505025	50MM	50MM	25MM
50x50x32	CTR505032	50MM	50MM	32MM
50x50x40	CTR505040	50MM	50MM	40MM
65x65x32	CTR656532	65MM	65MM	32MM
65x65x40	CTR656540	65MM	65MM	40MM
65x65x50	CTR656550	65MM	65MM	50MM
80x80x40	CTR808040	80MM	80MM	40MM
80x80x50	CTR808050	80MM	80MM	50MM
80x80x65	CTR808065	80MM	80MM	65MM
100x100x50	CTR10010050	100MM	100MM	50MM
100x100x65	CTR10010065	100MM	100MM	65MM
100x100x80	CTR10010080	100MM	100MM	80MM



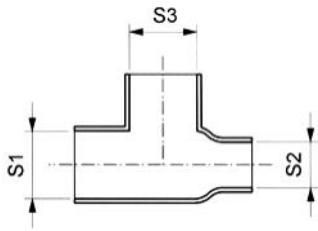
REDUCING IN-LINE COPPER TEE—DIMENSIONS S1 x S2 x S3

SIZE	CODE	S1 'LEFT'	S2 'RIGHT'	S3 'BRANCH'
15x15x20	CTR151520	15MM	15MM	20MM
20x20x25	CTR202025	20MM	20MM	25MM
20x20x32	CTR202032	20MM	20MM	32MM
25x25x32	CTR252532	25MM	25MM	32MM



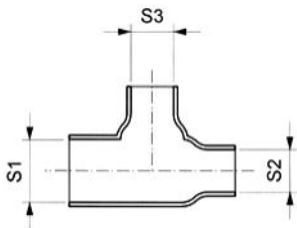
COPPER TEES—REDUCING & EQUAL

REDUCING BRANCH COPPER TEES—DIMENSIONS S1 x S2 x S3



SIZE	CODE	S1 'LEFT'	S2 'RIGHT'	S3 'BRANCH'
20x15x20	CTR201520	20MM	15MM	20MM

REDUCING INLINE & BRANCH TEE—DIMENSIONS S1 x S2 x S3



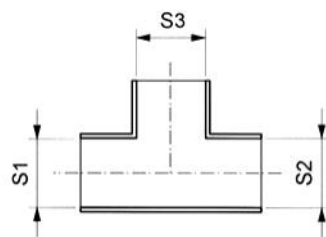
SIZE	CODE	S1 'LEFT'	S2 'RIGHT'	S3 'BRANCH'
20x15x15	CTR201515	20MM	15MM	15MM

MANY OTHER REDUCING TEE COMBINATIONS AVAILABLE

PLEASE CALL WITH YOUR REQUIREMENTS

COPPER TEES—EQUAL

EQUAL COPPER TEES—DIMENSIONS S1 x S2 x S3



SIZE	CODE	S1 'LEFT'	S2 'RIGHT'	S3 'BRANCH'
10MM*	CTE10	10MM	10MM	10MM
*SUITS 9.52MM AS/NZS1571 TUBE				
15MM	CTE15	15MM	15MM	15MM
20MM	CTE20	20MM	20MM	20MM
25MM	CTE25	25MM	25MM	25MM
32MM	CTE32	32MM	32MM	32MM
40MM	CTE40	40MM	40MM	40MM
50MM	CTE50	50MM	50MM	50MM
65MM	CTE65	65MM	65MM	65MM
80MM	CTE80	80MM	80MM	80MM
100MM	CTE100	100MM	100MM	100MM
125MM^	CTE125	125MM	125MM	125MM
^AS STD FTG. NOT A CORE LINE. NOT NECESSARILY IN STOCK				
150MM	CTE150	150MM	150MM	150MM
200MM~	CTE200	200MM	200MM	200MM

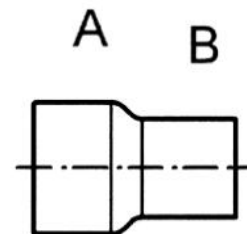
~AS STD FTG. NOT A CORE LINE. NOT NECESSARILY IN STOCK

COPPER REDUCERS



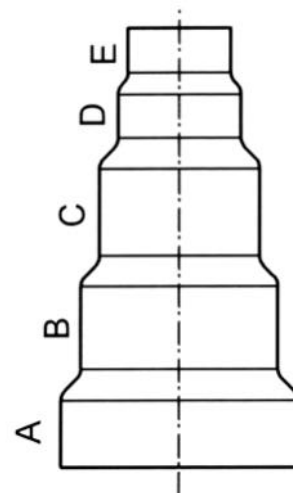
SINGLE STEP M/F COPPER REDUCERS (BUSHINGS)

SIZE	CODE	SOCKET A 'MALE'	SOCKET B 'FEMALE'
15X10*	CR1510MF	15MM	10MM
*10MM SOCKET SUITS 9.52MM AS/NZS1571 TUBE			
20X15	CR2015MF	20MM	15MM
25X15	CR2515MF	25MM	15MM
25X20	CR2520MF	25MM	20MM
32X20	CR3220MF	32MM	20MM
32X25	CR3225MF	32MM	25MM
40X20	CR4020MF	40MM	20MM
40X25	CR4025MF	40MM	25MM
40X32	CR4032MF	40MM	32MM



MULTI-STEP (UNIVERSAL) F/F COPPER REDUCERS

SIZE	CODE	SOCKET A	B	C	D	E
50x20	CSR5020	50MM	40MM	32MM	25MM	20MM
65x40	CSR6540	65MM	50MM	40MM		
80x40	CSR8040	80MM	65MM	50MM	40MM	
100x50	CSR10050	100MM	80MM	65MM	50MM	

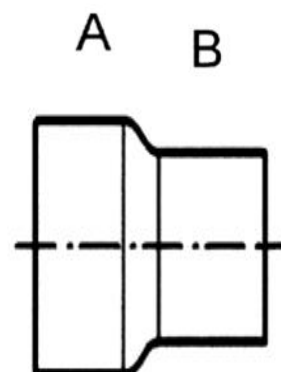


AS1432 TO NZS3501 (F/F & M/F OPTIONS) COPPER ADAPTORS

SIZE	CODE	SOCKET A	SOCKET B
125^x80	CRAS125NZ80	125MM^	80MM
125^x100	CRAS125NZ100	125MM^	100MM
150x125^	CRNZ150AS125	150MM	125MM^
200~x125^	CRAS200AS125	200MM~	125MM^
200~x150	CRAS200NZ150	200MM~	150MM

^AS STD 125MM. NOT A CORE LINE. NOT NECESSARILY IN STOCK

~AS STD 200MM. NOT A CORE LINE. NOT NECESSARILY IN STOCK



COPPER REDUCERS

SINGLE STEP F/F COPPER REDUCERS

SIZE	CODE	SOCKET A	SOCKET B
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15x10*	CR1510	15MM	10MM
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***10MM SOCKET SUITS 9.52MM AS/NZS1571 TUBE**

20x15	CR2015	20MM	15MM
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25x15	CR2515	25MM	15MM
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25x20	CR2520	25MM	20MM
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32x15	CR3215	32MM	15MM
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32x20	CR3220	32MM	20MM
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32x25	CR3225	32MM	25MM
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40x20	CR4020	40MM	20MM
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40x25	CR4025	40MM	25MM
-------	--------	------	------

40x32	CR4032	40MM	32MM
-------	--------	------	------

50x20	CR5020	50MM	20MM
-------	--------	------	------

50x25	CR5025	50MM	25MM
-------	--------	------	------

50x32	CR5032	50MM	32MM
-------	--------	------	------

50x40	CR5040	50MM	40MM
-------	--------	------	------

65x32	CR6532	65MM	32MM
-------	--------	------	------

65x40	CR6540	65MM	40MM
-------	--------	------	------

65x50	CR6550	65MM	50MM
-------	--------	------	------

80x40	CR8040	80MM	40MM
-------	--------	------	------

80x50	CR8050	80MM	50MM
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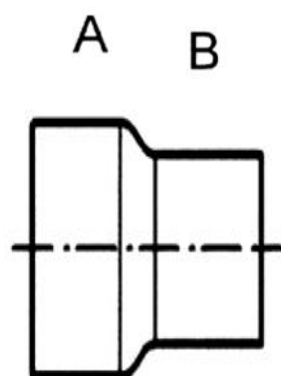
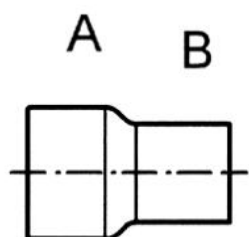
80x65	CR8065	80MM	65MM
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100x50	CR10050	100MM	50MM
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100x65	CR10065	100MM	65MM
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100x80	CR10080	100MM	80MM
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150x100	CR150100	150MM	100MM
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COPPER S TRAPS (CHROME OPTIONS)



S TRAPS WITH STANDARD INLET AND SHORT TAIL (+ TRAPS 65MM AND LARGER NON RETURNABLE)

SIZE	CODE	INLET 'M1'	TAIL 'L1'	CENTRES 'O'	OVERALL HEIGHT
25MM	STSCU25	165MM	165MM	62MM	190MM
32MM	STSCU32	175MM	175MM	74MM	202MM
40MM	STSCU40	175MM	175MM	80MM	202MM
50MM	STSCU50	230MM	230MM	120MM	235MM
65MM ⁺	STSCU65	290MM	290MM	156MM	300MM
80MM ⁺	STSCU80	405MM	405MM	220MM	470MM
100MM ⁺	STSCU100	550MM	550MM	260MM	660MM

S TRAPS WITH STANDARD INLET AND LONG TAIL

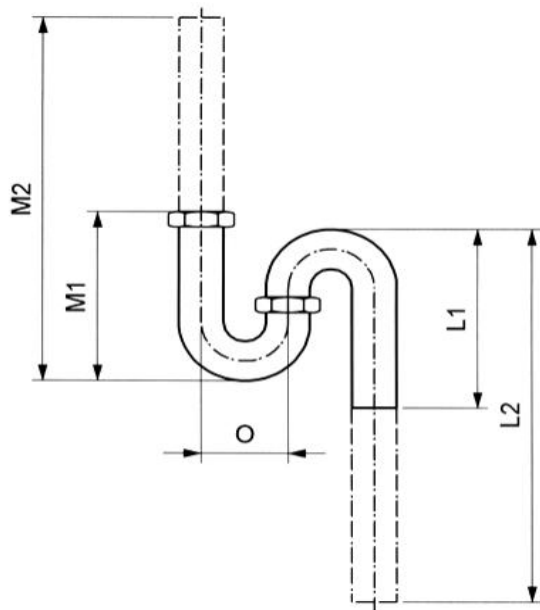
SIZE	CODE	INLET 'M1'	TAIL 'L2'	CENTRES 'O'	OVERALL HEIGHT
32MM	LTSCU32	175MM	580MM	74MM	610MM
40MM	LTSCU40	175MM	595MM	80MM	625MM
50MM	LTSCU50	230MM	585MM	120MM	610MM

S TRAPS WITH LONG INLET AND SHORT TAIL

SIZE	CODE	INLET 'M2'	TAIL 'L1'	CENTRES 'O'	OVERALL HEIGHT
32MM	LISTSCU32	305MM	175MM	74MM	340MM
40MM	LISTSCU40	325MM	175MM	80MM	350MM

S TRAPS WITH LONG INLET AND LONG TAIL

SIZE	CODE	INLET 'M2'	TAIL 'L2'	CENTRES 'O'	OVERALL HEIGHT
32MM	LILTSCU32	305MM	580MM	74MM	740MM
40MM	LILTSCU40	325MM	595MM	80MM	765MM



FOR CHROMED TRAPS SUBSTITUTE "CP" IN PLACE OF "CU" ALL CHROMED ITEMS FIRM SALE — NON RETURNABLE

COPPER P TRAPS (CHROME OPTIONS)

P TRAPS WITH STANDARD INLET AND SHORT TAIL (+ TRAPS 65MM AND LARGER NON RETURNABLE)

SIZE	CODE	INLET 'M1'	TAIL 'L1'	CENTRES 'O'
25MM	STPCU25	165MM	215MM	62MM
32MM	STPCU32	175MM	225MM	74MM
40MM	STPCU40	175MM	240MM	80MM
50MM	STPCU50	230MM	300MM	120MM
65MM ⁺	STPCU65	290MM	390MM	156MM
80MM ⁺	STPCU80	405MM	550MM	220MM
100MM ⁺	STPCU100	550MM	575MM	260MM

P TRAPS WITH STANDARD INLET AND LONG TAIL

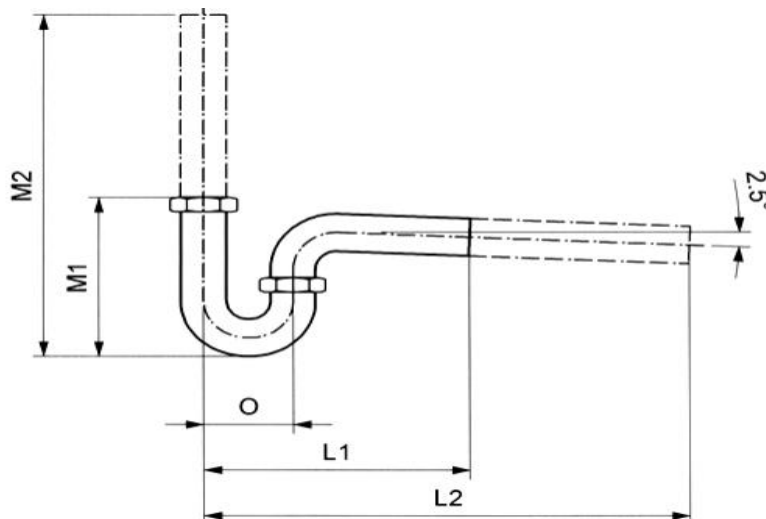
SIZE	CODE	INLET 'M1'	TAIL 'L2'	CENTRES 'O'
32MM	LTPCU32	175MM	580MM	74MM
40MM	LTPCU40	175MM	595MM	80MM
50MM	LTPCU50	230MM	635MM	120MM

P TRAPS WITH LONG INLET AND SHORT TAIL

SIZE	CODE	INLET 'M2'	TAIL 'L1'	CENTRES 'O'
32MM	LISTPCU32	305MM	225MM	74MM
40MM	LISTPCU40	325MM	240MM	80MM

P TRAPS WITH LONG INLET AND LONG TAIL

SIZE	CODE	INLET 'M2'	TAIL 'L2'	CENTRES 'O'
32MM	LILTPCU32	305MM	580MM	74MM
40MM	LILTPCU40	325MM	595MM	80MM



CHROMED TRAPS SUBSTITUTE "CP" IN PLACE OF "CU" ALL CHROMED ITEMS NON RETURNABLE

TRAP ACCESSORIES

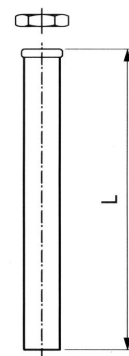


CHROME TRAP EXTENSION—750MM LONG WITH BSP THREAD

SIZE	CODE	LENGTH 'L'
32MM	TECP32	750MM
40MM	TECP40	750MM
50MM	TECP50	750MM

CHROMED ITEMS NON RETURNABLE

LOOSE NUT AVAILABLE SEPARATELY



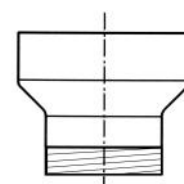
COPPER TUNDISHES

CODE	TRAP MATCH	RECEPTACLE SIZE
CUTUN32	32MM	65MM
CUTUN40	40MM	80MM
CUTUN50	50MM	100MM

CHROME PLATED ON REQUEST AND LEAD-TIMES APPLY

LOOSE NUT AVAILABLE SEPARATELY

OTHER SIZES MADE TO ORDER ON REQUEST



BRASS CAP (TRAP) NUTS

SIZE	CODE	BSP
32MM	CNCU32	1¼"
40MM	CNCU40	1½"
50MM	CNCU50	2"
65MM	CNCU65	2½"
80MM	CNCU80	3"
100MM	CNCU100	4"

STEPPED BRAZING RINGS ALSO AVAILABLE—PLEASE CALL



CHROME PLATED BRASS CAP (TRAP) NUTS

SIZE	CODE	BSP
32MM	CNCP32	1¼"
40MM	CNCP40	1½"
50MM	CNCP50	2"
65MM	CNCP65	2½"
80MM	CNCP80	3"
100MM	CNCP100	4"

CHROMED ITEMS NON RETURNABLE



COPPER MATE FLANGES BY CTS™

TABLE D FLANGES (NOT COMPLIANT AS TABLE E)

SIZE	CODE	PCD
100MM	CF100T/D	178MM
150MM	CF150T/D	235MM

TABLE E FLANGES (COMPLIANT AS TABLE D AS NOTED)

SIZE	CODE	PCD	TABLE D	OPT. GASKET
25MM	CF25	83MM	No	CF25FG
32MM	CF32	87MM	YES	CF32FG
40MM	CF40	98MM	YES	CF40FG
50MM	CF50	114MM	YES	CF50FG
65MM	CF65	127MM	YES	CF65FG
80MM	CF80	146MM	YES	CF80FG
100MM	CF100	178MM	No	CF100FG
125MM~	CF125	210MM	YES	
150MM	CF150	235MM	No	CF150FG
200MM~	CF200	292MM	No	CF200FG

~AS STD FTG. NOT A CORE LINE. NOT NECESSARILY IN STOCK

DIN (PN16) FLANGES

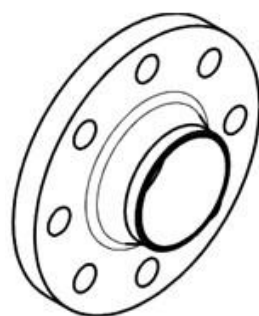
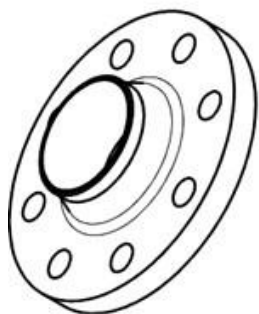
SIZE	CODE	PCD	OPT. GASKET
25MM	CF25PN16	85MM	
32MM	CF32PN16	100MM	CF32PN16FG
40MM	CF40PN16	110MM	CF40PN16FG
50MM	CF50PN16	125MM	CF50PN16FG
65MM	CF65PN16	145MM	CF65PN16FG
80MM	CF80PN16	160MM	CF80PN16FG
100MM	CF100PN16	180MM	CF100PN16FG
125MM~	CF125PN16	210MM	
150MM	CF150PN16	240MM	CF150PN16FG
200MM~	CF200PN16	295MM	

~AS STD FTG. NOT A CORE LINE. NOT NECESSARILY IN STOCK

ANSI 150 FLANGES *

SIZE	CODE	PCD	OPT. GASKET
50MM	CF50ANSI150	120.5MM	CF50ANSI150FG
65MM	CF65ANSI150	139.5MM	CF65ANSI150FG
80MM	CF80ANSI150	152.5MM	CF80ANSI150FG
100MM	CF100ANSI150	190.5MM	CF100ANSI150FG

*ANSI FLANGES . NOT A CORE LINE. NOT NECESSARILY IN STOCK

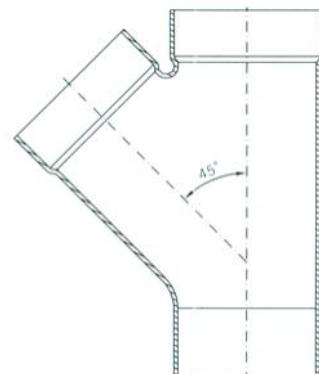


JUNCTIONS AT 45°



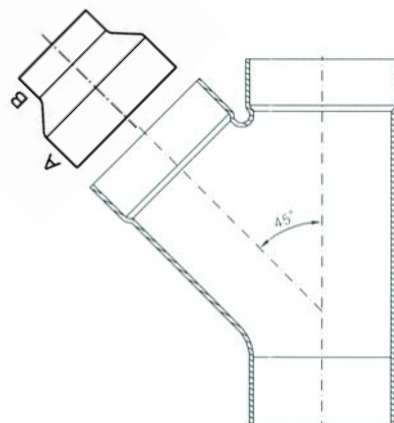
EQUAL JUNCTIONS

CODE	TOP (FEMALE)	BOTTOM (MALE)	BRANCH (FEMALE)
C45J32	32MM	32MM	32MM
C45J40	40MM	40MM	40MM
C45J50	50MM	50MM	50MM
C45J65	65MM	65MM	65MM
C45J80	80MM	80MM	80MM
C45J100	100MM	100MM	100MM



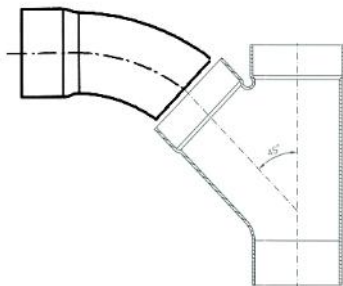
REDUCING JUNCTION COMBOS (JUNCTIONS AND REDUCERS)

JUNCTION	TOP (FEMALE)	BOTTOM (MALE)	BRANCH (FEMALE)
C45J32	32MM	32MM	32MM REDUCEABLE DOWN TO 25MM, 20MM OR 15MM.
C45J40	40MM	40MM	40MM REDUCEABLE DOWN TO 32MM, 25MM, 20MM OR 15MM.
C45J50	50MM	50MM	50MM REDUCEABLE DOWN TO 40MM, 32MM, 25MM OR 20MM.
C45J65	65MM	65MM	65MM REDUCEABLE DOWN TO 50MM, 40MM OR 32MM.
C45J80	80MM	80MM	80MM REDUCEABLE DOWN TO 65MM, 50MM OR 40MM.
C45J100	100MM	100MM	100MM REDUCEABLE DOWN TO 80MM, 65MM OR 50MM.



JUNCTIONS AT 92.5°

EQUAL JUNCTION COMBOS



C45J32 JUNCTION COMBINED WITH A CB3245

C45J40 JUNCTION COMBINED WITH A CB4045

C45J50 JUNCTION COMBINED WITH A CB5045

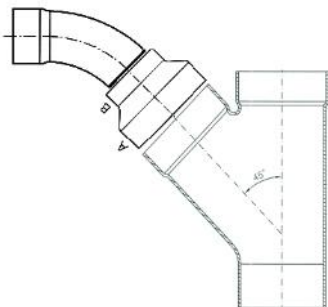
C45J65 JUNCTION COMBINED WITH A CB6545

C45J80 JUNCTION COMBINED WITH A CB8045

C45J100 JUNCTION COMBINED WITH A CB10045

PLEASE ENQUIRE FOR FULL DETAILS AND OTHER COMBINATIONS

REDUCING JUNCTION COMBOS



C45J32 JUNCTION COMBINED WITH A 45° FITTING AND REDUCERS
TO TAKE BRANCH DOWN TO 25MM, 20MM OR 15MM

C45J40 JUNCTION COMBINED WITH A 45° FITTING AND REDUCERS
TO TAKE BRANCH DOWN TO 32MM, 25MM, 20MM OR 15MM

C45J50 JUNCTION COMBINED WITH A 45° FITTING AND REDUCERS
TO TAKE BRANCH DOWN TO 40MM, 32MM, 25MM OR 20MM

C45J65 JUNCTION COMBINED WITH A 45° FITTING AND REDUCERS
TO TAKE BRANCH DOWN TO 50MM, 40MM OR 32MM

C45J80 JUNCTION COMBINED WITH A 45° FITTING AND REDUCERS
TO TAKE BRANCH DOWN TO 65MM, 50MM OR 40MM

C45J100 JUNCTION COMBINED WITH A 45° FITTING AND REDUCERS
TO TAKE BRANCH DOWN TO 80MM, 65MM OR 50MM

PLEASE ENQUIRE FOR FULL DETAILS AND OTHER COMBINATIONS.

MISCELLANEOUS

TUBE JOINERS

SIZE CODE

10MM* TJ10

*SUITS 9.52MM AS/NZS1571 TUBE

15MM TJ15

20MM TJ20

25MM TJ25

32MM TJ32

40MM TJ40

50MM TJ50

65MM TJ65

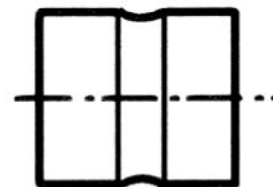
80MM TJ80

100MM TJ100

125MM^ TJ125

^AS STD FTG. NOT A CORE LINE. NOT NECESSARILY IN STOCK

150MM TJ150



END CAPS

SIZE CODE

15MM CC15

20MM CC20

25MM CC25

32MM CC32

40MM CC40

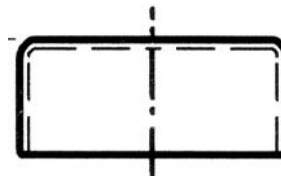
50MM CC50

65MM CC65

80MM CC80

100MM CC100

125MM CC125 (NZ)

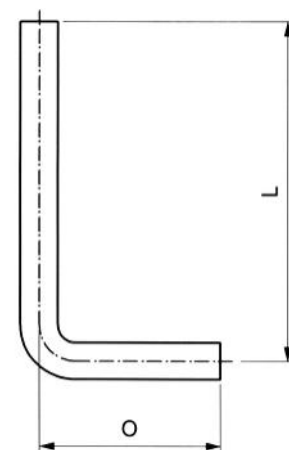


COPPER FLUSHPIPER

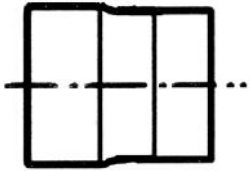
SIZE	CODE	LENGTH 'L'	LENGTH 'O'
40MM	FPCU4062	600MM	200MM
40MM	FPCU40753	750MM	300MM
50MM	FPCU5062	600MM	200MM

CHROME FLUSHPIPER

SIZE	CODE	LENGTH 'L'	LENGTH 'O'
40MM	FPCP4052	500MM	200MM
40MM	FPCP4062	600MM	200MM
40MM	FPCP40753	750MM	300MM
50MM	FPCP5062	600MM	200MM



NZ (NZS3501) TO AUSTRALIAN (AS1432) TUBE (ADAPTOR) JOINERS



SIZE	CODE	TO JOIN
15MM	TA15	15MM NZ TO 1/2" (15MM) AUST (F/F FITMENT)
20MM	TA20	20MM NZ TO 3/4" (20MM) AUST (F/F FITMENT)
25MM	TA25	25MM NZ TO 1" (25MM) AUST (F/F FITMENT)
32MM	TA32	32MM NZ TO 1 1/4" (32MM) AUST (F/F FITMENT)
40MM	TA40	40MM NZ TO 1 1/2" (40MM) AUST (F/F FITMENT)
50MM	TA50	50MM NZ TO 2" (50MM) AUST (F/F FITMENT)
65MM	TA65	65MM NZ TO 2 1/2" (65MM) AUST (F/F FITMENT)
80MM	TA80	80MM NZ TO 3" (80MM) AUST (F/F FITMENT)
100MM	TA100	100MM NZ TO 4" (100MM) AUST (F/F FITMENT)

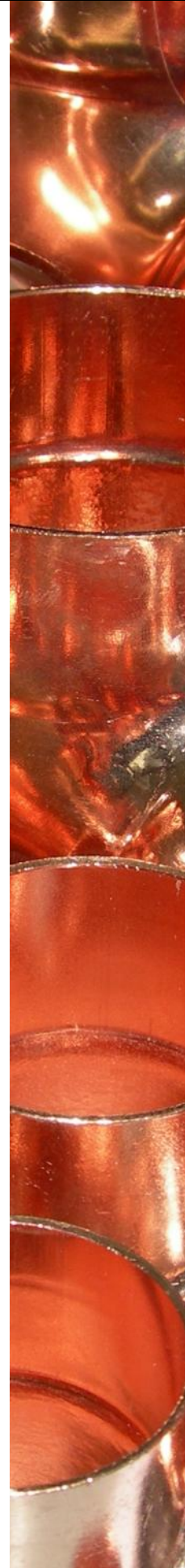


TABLE I COMPLIANT FITTINGS



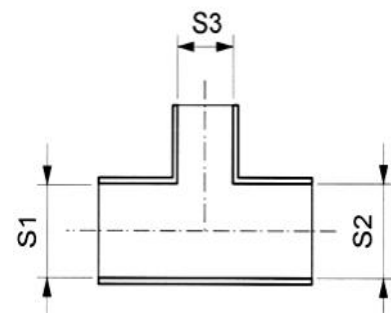
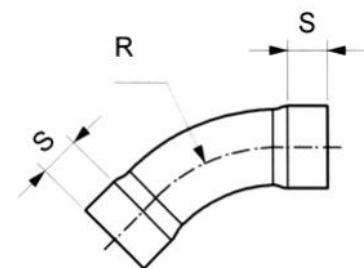
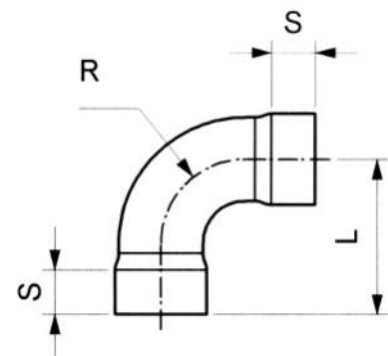
FITTINGS BELOW CAN BE ORDERED AS TABLE I COMPLIANT* (COPPER COMPOSITION, WALL THICKNESS AND SOCKETS)

SIZE	CODE	DESCRIPTION
80mm	CE8092	80mm x 90° Copper Elbow
80mm	CE8045	80mm x 45° Copper Elbow
80mm	CTE80	80mm Equal Tee
80mm	CR8040	80mm x 40mm Single Step Reducer
80mm	CR8050	80mm x 50mm Single Step Reducer
80mm	CR8065	80mm x 65mm Single Step Reducer
80mm	CTR808040	80mm x 80mm x 40mm Reducing Tee
80mm	CTR808050	80mm x 80mm x 50mm Reducing Tee
80mm	CTR808065	80mm x 80mm x 65mm Reducing Tee
80mm	C45J80	80mm Y Junction at 45°
80mm	CF80	80mm Table E Flange
80mm	CF80PN16	80mm PN16 Flange
80mm	CF80ANSI150	80mm ANSI150 Flange

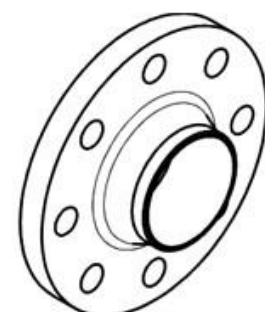
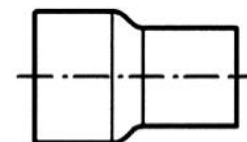
*TABLE I FITTINGS. NOT A CORE LINE. NOT NECESSARILY IN STOCK

SIZE	CODE	DESCRIPTION
100mm	CE10092	100mm x 90° Copper Elbow
100mm	CE10045	100mm x 45° Copper Elbow
100mm	CTE100	100mm Equal Tee
100mm	CR10050	100mm x 50mm Single Step Reducer
100mm	CR10065	100mm x 65mm Single Step Reducer
100mm	CR10080	100mm x 80mm Single Step Reducer
100mm	CTR10010050	100mm x 100mm x 50mm Reducing Tee
100mm	CTR10010065	100mm x 100mm x 65mm Reducing Tee
100mm	CTR10010080	100mm x 100mm x 80mm Reducing Tee
100mm	C45J100	100mm Y Junction at 45°
100mm	CF100T/D	100mm Table D Flange
100mm	CF100	100mm Table E Flange
100mm	CF100PN16	100mm PN16 Flange
100mm	CF100ANSI150	100mm ANSI150 Flange

*TABLE I FITTINGS. NOT A CORE LINE. NOT NECESSARILY IN STOCK



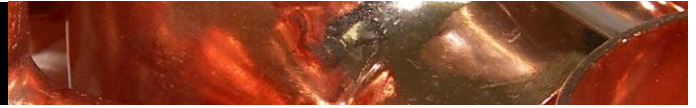
A B



PLEASE CALL REGARDING LEAD-TIMES AND CUSTOMISATION COSTS



COMPLIANCE STATEMENT



Without compromise, every brazing fitting sold by Highflo Company meets or exceeds the specifications for copper tube as detailed by NZS3501, or is the equivalent by its nearest comparable international standard.

New Zealand does not have a specific standard's document dedicated to Copper Brazing Fittings, rather they are 'associated' with NZS3501 which is not ideal as it's not specifically written to incorporate Copper Fittings. Therefore Highflo ensures supply of fit for purpose Copper Fittings by adherence to the undertakings as detailed below:

Currently, all mother tube that we bend in New Zealand, is from Nungwon Korea. Certification and compliance documentation to NZS3501 standard is available upon request.

Should you have a brand of tube, or a country of origin requirement for the tube your fittings are manufactured from, this can often be accommodated.

Every New Zealand made fitting is manufactured on a 'Fit for Purpose' production line. Internal forming is smooth, as per the requirements of the standard, to minimise flow turbulence. All sockets are engineered to an interference fit as per the relevant standards.

All fittings that we import from our partner factories are sample checked for compliance as below:

Stage I is an initial random sample check by a Highflo staff member at the factory of origin. This conformity check is completed before containerisation and is targeted at ensuring only compliant products are shipped. This also allows the opportunity for the partner factory to rectify any highlighted compliance issue before shipping.

Stage II is a further comprehensive check, of a much larger sample size, in our New Zealand warehouse. Checks include gauge verification, pressure testing, and occasionally X-Raying to ensure internal conformity.

Stage III is a Copper Composition Test completed here in New Zealand, by an independent laboratory, on samples of our imported fittings, confirming compliance to Copper Composition as Alloy C12200 (DHP Copper). Compliance documentation is available upon request.

It is only once all testing comes back 'compliant' that fittings are released for sale.

Documentation confirming compliance of the NZS3501 tube we manufacture from on site, is also provided by our tube supplier and is available upon request.

Brass Components, such as Cap Nuts and Brazing Rings used in Traps, are from CW602N DZR Material. As these fittings are for use in sanitary fixtures and not for potable water, they are exempt from the 2026 LF requirement. Likewise, the Swivel Nuts used in Bent Connectors, are not in contact with Potable Water, as the seal is made in-front of the nut, so these components remain as CW602N DRZ Brass material.

The Laser Marking of all Highflo Fittings for traceability, and showing continuity of fitting supply in an installation, is also currently being implemented across our entire range (except Chrome Plated Items which can't be marked owing to the reflective nature of the chrome finish).

If your installation or contract supply will only accept marked fittings, please make contact with us during this implementation period and discuss your requirements.





UNDERTAKINGS, TERMS AND CONDITIONS

Highflo's Dispatch Promise:

Highflo will endeavour to dispatch all 'standard' stock orders, received by 2:00pm, on the same business day as we receive the Purchase Order. Purchases are picked in the order that they are received.

'1st of the Month' bulk stock orders are excluded from the Dispatch Promise. We are happy to receive your bulk order in advance, and pre-pick it for dispatch on the 1st of the month. This helps smooth out the dispatch workload, and also means you will see your stock as early as possible in the new month.

The preferred method of ordering is via Email to: sales@highflo.co.nz Telephone orders can be pre-picked based on a phone call, but physical orders will not be dispatched, until receipt of the confirmed order to verify that placed over the phone. Should your order arrive late in the day, we will still do our very best to get it on its way to you the same day. Feel free to give us a call should your order be extremely urgent and you want to confirm its ETD. This dispatch undertaking excludes all made to order products.

Purchase Order Numbers:

As mentioned above, Highflo can only dispatch orders upon receipt of a valid Purchase Order. Temporary or interim PO numbers, and verbally phoned orders will not be dispatched.

Minimum Order Value (MOV):

It is Highflo's requirement that all purchase orders meet a minimum price threshold of \$100+. This value permits the economic cost of picking and packing, invoicing, issuing statements and reconciling payment. The cost apportioned to freight is not included in the \$100 minimum order value. If the MOV requirement can not be met in the first instance, we'd welcome your phone call to discuss what other items we can supply, to bring your order up to the minimum stipulated value. Orders under MOV will be delayed whilst we attempt to contact you to remedy the situation, so your understanding in advance is appreciated.

Delivery — Free Into Store (FIS) versus Chargeable:

Most purchases over \$400+, noting the exceptions below, are dispatched Free Into Store (FIS) and in most circumstances, are sent via NZ Couriers. This is a 'Next Business Day' service. Please note, that the courier service isn't perfect 100% of the time, and delays do happen. Highflo suggests reliance on an infallible overnight courier service is not advisable. Palletised freight, heavy items, larger boxes and some South Island locations are sent via alternate carriers, and at minimum, 2 days of transit should be allowed for.

Freight charges are payable on all purchases under \$400+ and prices are charged according to the freight service used. If your order is below \$400+ we strongly suggest calling in advance, and getting a freight value, and showing this on your Purchase Order before submitting. Please note, regardless of order value, Saturday, Rural and Residential courier surcharges are always additional and on-charged.

Pick Up by Plumber or End User:

Where a local merchant directs a plumber to collect their purchase directly from Highflo, and the merchant requires the packing slip to be forwarded to them independently, a Packing Slip Forwarding Fee (PSFF) will be applied to the invoice to cover the cost associated with scanning and emailing the paperwork, rather than just supplying a physical copy with the order upon collection.

Dimensional Variation:

Many measurements within this catalogue are subject to manufacturing tolerances and minor variation. Bend Radius and Tube Gauge are not subject to this variation. All fittings are to suit NZS3501 Copper Plumbing Tube unless specified otherwise.

UNDERTAKINGS, TERMS AND CONDITIONS



Credit Accounts, Packing Slips, Invoices, Payment & Transfer of Title:

By applying for and/or operating a credit account with Highflo, you (the customer), consent to Highflo collecting and disclosing information to credit reporting agencies, making credit enquiries, and using the information obtained (such as payment history and account conduct) to assess your account on an ongoing basis.

You also consent to Highflo disclosing your account history, conduct and such other information as it believes relevant to credit reporting agencies on an ongoing basis.

Packing Slips are not priced with the exception of showing freight costs when applicable.

Invoices are issued electronically shortly after dispatch. Prices charged are those ruling at the date of dispatch as determined by Highflo by the published pricelist. Highflo does not check PO line values 1 by 1 prior to dispatch, and an incorrect value on a PO doesn't constitute an enforceable contract to demand supply at that value.

Where a price is in dispute, the onus is upon you (the customer), to provide proof of variation by way of quotation evidence or alike. Without this confirmation, the price to be paid will be that as invoiced.

Payment falls due, in full, on the 20th of the month following invoice. All quoted prices are GST exclusive. Overdue invoices risk being penalised by the removal of any discount / rebate / incentive offered and you will be liable for any / all penalties, dishonour fees, collection charges and default interest. Payment history is also shared with 3rd party credit reporting agencies.

Romalpa Clause: Property in the goods, whether installed or not, does not pass to you until you have discharged all outstanding indebtedness to Highflo whatsoever and in full. Highflo retains the ability to lodge a PPSR interest at all times.



RETURNS' POLICY

Highflo appreciates that mistakes can be made during the ordering process, and subject to the conditions below, Highflo offers a 14 day, no questions asked, right of return for items ordered in error, less a restocking fee.

Highflo's Return Policy is designed to protect against genuine ordering mistakes and allow for easy correction. The Return Policy does not offer protection, nor possibility for return, where an end user has not completed due diligence on the jobsite and ordered erroneously, nor does it offer protection where an end user has over ordered to make use of volume discounts and then attempts to return the bulk of their order. Likewise it is not designed to offer protection against changes in an installation or system design.

Should merchants wish to offer an added level of returnability to their customers, then this would form part of the special relationship between the merchant and their customer. Merchants offering additional returnability should do so in the knowledge that Highflo will not accept returns beyond those stated in this policy.

Highflo simply asks that customers take care with their ordering requirements. Highflo has no ability to return items to our Tube Supplier once we have fabricated fittings from the material, therefore we must ensure we have a level of protection that prevents us becoming overstocked by returns.

In circumstances such as a picking error, Highflo will validate any Merchant claim by referencing it's own documentation, and once confirmed Highflo is at fault, Highflo will rectify the picking error, and where necessary supply a Pre-Paid courier ticket to return any mis-picked items. We would appreciate picking errors being brought to our attention within 2 business days of receipt of the delivery at your premises.

Return Conditions:

A Return Authorisation Number (RAN) must be obtained by contacting Highflo (accounts@highflo.co.nz) in the first instance. Customers will be made aware of the return requirements and the necessary paperwork to complete a return at this time. Any unauthorised or incomplete returns will not be processed. The RAN must be shown on all returns and items returned to Highflo without a RAN will not be processed.

Where necessary, Highflo will advise the sender of the reasoning for a declined return, and the returned items will be held at Highflo until such time as the sender arranges Freight Forward Collection. If not claimed within 30 days, any unauthorised return will be scrapped in lieu of storage fees.

Examples of Items that would be declined a credit:

Dents or damage to a fitting or socket. It can't be resold 'As New'.

Partially complete or opened original packs. It can't be resold 'As New'.

Worksite debris, impurities, overly tarnished or any dust (especially lime residue) on a fitting. It can't be resold 'As New'.

Permanent merchant stickers applied to fitting or packaging. It can't be resold 'As New'.

Damaged Packaging. It can't be resold 'As New'.

A 20% restocking fee, or a minimum charge of \$20, will be applied to all returns. Outgoing freight costs may also be recovered if Highflo paid those in the first instance.

Non-Returnable Items:

Returns aren't offered against every item we sell. There are exclusions as listed below:

Any item ordered on Volume Contract or Indent.

Any Contract Offer with discount pricing linked to MOV's, MOQ's or suchlike.

All Chrome plated goods are deemed to be confirmed sale and are strictly non-returnable.

All Plain Copper Traps 65mm and above are deemed confirmed sale & strictly non returnable.

All Made to Order goods are confirmed sale (from placement of order) & strictly non returnable.

If you are unsure of any of the above please feel free to get in touch, before you order, to seek clarification.

WARRANTY STATEMENT



Highflo undertakes that all fittings supplied are suitable for use with the stated Copper Tube as indicated in the catalogue.

In the unexpected event of a fitting failure, Highflo or its appointed representative, must be given the opportunity to view the fitting 'in situ'.

Material, Manufacture, Installation & Application are all factors relating to the performance of our products.

Should a fitting manufacturing fault be determined as the point of failure, Highflo's liability will extend solely to the replacement of the failed fitting.



BLANK FOR NOTES OR CALCULATIONS





HIGHFLO COPPER FITTINGS - PROUD SPONSORS OF LIFE FLIGHT TRUST FOR THE LAST 20 YEARS!

