

Copper Fitting ANSI B16.22-2001



Coupling CXC

COUPLING -
NO STOP (LT-31)COUPLING -
ROLLED STOP (LT-32)COUPLING -
STAKED STOP (LT-33)

Mueller Style: WC-400NS Elkhart Style: 101 Nibco Style: 9601	Mueller Style: WC-400 Elkhart Style: 100 Nibco Style: 9600-RS	Mueller Style: WC-400S Elkhart Style: 100 Nibco Style: 9600-DS	O.D. Size (Inches)
LT31001	LT32001	LT33001	1/4
LT31002	LT32002	LT33002	5/16
LT31003	LT32003	LT33003	3/8
LT31004	LT32004	LT33004	1/2
LT31005	LT32005	LT33005	5/8
LT31006	LT32006	LT33006	3/4
LT31007	LT32007	LT33007	7/8
LT31008	LT32008	LT33008	1
LT31009	LT32009	LT33009	1-1/8
LT31010	LT32010	LT33010	1-1/4
LT31011	LT32011	LT33011	1-3/8
LT31012	LT32012	LT33012	1-1/2
LT31013	LT32013	LT33013	1-5/8
LT31014	LT32014	LT33014	1-3/4
LT31015	LT32015	LT33015	2-1/8
LT31016	LT32016	LT33016	2-5/8
LT31017	LT32017	LT33017	3-1/8
LT31018	LT32018	LT33018	3-5/8
LT31019	LT32019	LT33019	4-1/8
LT31020	LT32020	LT33020	5-1/8
LT31021	LT32021	LT33021	6-1/8

Coupling - Reducing

Mueller Style: WC-400R
Elkhart Style: 101-R
Nibco Style: 9600
LT-34 CXCMueller Style: WC-403
Elkhart Style: 118
Nibco Style: 9600-2
LT-35 FTGXC

LT-34	LT-35	O.D. Size (Inches)
LT34001	LT35001	1/4 x 3/16
LT34002	LT35002	3/8 x 1/4
LT34003	LT35003	1/2 x 1/4
LT34004	LT35004	1/2 x 5/16
LT34005	LT35005	1/2 x 3/8
LT34006	LT35006	5/8 x 1/4
LT34007	LT35007	5/8 x 3/8
LT34008	LT35008	5/8 x 1/2
LT34009	LT35009	3/4 x 3/8
LT34010	LT35010	3/4 x 1/2
LT34011	LT35011	3/4 x 5/8
LT34012	LT35012	7/8 x 1/4
LT34013	LT35013	7/8 x 3/8
LT34014	LT35014	7/8 x 1/2
LT34015	LT35015	7/8 x 5/8
LT34016	LT35016	7/8 x 3/4
LT34017	LT35017	1-1/8 x 3/8
LT34018	LT35018	1-1/8 x 1/2
LT34019	LT35019	1-1/8 x 5/8
LT34020	LT35020	1-1/8 x 3/4
LT34021	LT35021	1-1/8 x 7/8
LT34022	LT35022	1-1/8 x 1
LT34023	LT35023	1-3/8 x 3/8
LT34024	LT35024	1-3/8 x 1/2
LT34025	LT35025	1-3/8 x 5/8
LT34026	LT35026	1-3/8 x 3/4
LT34027	LT35027	1-3/8 x 7/8
LT34028	LT35028	1-3/8 x 1-1/8
LT34029	LT35029	1-5/8 x 5/8
LT34030	LT35030	1-5/8 x 3/4
LT34031	LT35031	1-5/8 x 7/8

LT-34	LT-35	O.D. Size (Inches)
LT34032	LT35032	1-5/8 x 1-1/8
LT34033	LT35033	1-5/8 x 1-3/8
LT34034	LT35034	2-1/8 x 1/2
LT34035	LT35035	2-1/8 x 5/8
LT34036	LT35036	2-1/8 x 7/8
LT34037	LT35037	2-1/8 x 1-1/8
LT34038	LT35038	2-1/8 x 1-3/8
LT34039	LT35039	2-1/8 x 1-5/8
LT34040	LT35040	2-5/8 x 5/8
LT34041	LT35041	2-5/8 x 7/8
LT34042	LT35042	2-5/8 x 1-1/8
LT34043	LT35043	2-5/8 x 1-3/8
LT34044	LT35044	2-5/8 x 1-5/8
LT34045	LT35045	2-5/8 x 2-1/8
LT34046	LT35046	3-1/8 x 1-1/8
LT34047	LT35047	3-1/8 x 1-3/8
LT34048	LT35048	3-1/8 x 1-5/8
LT34049	LT35049	3-1/8 x 2-1/8
LT34050	LT35050	3-1/8 x 2-5/8
LT34051	LT35051	3-5/8 x 3-1/8
LT34052	LT35052	4-1/8 x 1-1/8
LT34053	LT35053	4-1/8 x 1-3/8
LT34054	LT35054	4-1/8 x 1-5/8
LT34055	LT35055	4-1/8 x 2-1/8
LT34056	LT35056	4-1/8 x 2-5/8
LT34057	LT35057	4-1/8 x 3-1/8
LT34058	LT35058	4-1/8 x 3-5/8
LT34059	LT35059	5-1/8 x 2-1/8
LT34060	LT35060	5-1/8 x 3-1/8
LT34061	LT35061	5-1/8 x 4-1/8

45° Elbow

Mueller Style: WE-504
Elkhart Style: 106
Nibco Style: 9606
LT-54 CXCMueller Style: WE-505
Elkhart Style: 106-2
Nibco Style: 9606-2
LT-55 FTGXC

LT-54	LT-55	O.D. Size (Inches)
LT54001	LT55001	1/4
LT54002	LT55002	5/16
LT54003	LT55003	3/8
LT54004	LT55004	1/2
LT54005	LT55005	5/8
LT54006	LT55006	3/4
LT54007	LT55007	7/8
LT54008	LT55008	1
LT54009	LT55009	1-1/8
LT54010	LT55010	1-1/4
LT54011	LT55011	1-3/8
LT54012	LT55012	1-1/2
LT54013	LT55013	1-5/8
LT54014	LT55014	1-3/4
LT54015	LT55015	2-1/8
LT54016	LT55016	2-5/8
LT54017	LT55017	3-1/8
LT54018	LT55018	3-5/8
LT54019	LT55019	4-1/8
LT54020	LT55020	5-1/8
LT54021	LT55021	6-1/8

90° Elbow-Long Radius

Mueller Style: WE-500L
Elkhart Style: 107-L
Nibco Style: 9607-LT
LT-85 CXCMueller Style: WE-503L
Elkhart Style: 107-L-2
Nibco Style: 9607-2-LT
LT-86 FTGXC

LT-85	LT-86	O.D. Size (Inches)
LT85001	LT86001	1/4
LT85002	LT86002	3/8
LT85003	LT86003	1/2
LT85004	LT86004	5/8
LT85005	LT86005	3/4
LT85006	LT86006	7/8
LT85007	LT86007	1
LT85008	LT86008	1-1/8
LT85009	LT86009	1-1/4
LT85010	LT86010	1-3/8
LT85011	LT86011	1-5/8
LT85012	LT86012	2-1/8
LT85013	LT86013	2-5/8
LT85014	LT86014	3-1/8
LT85015	LT86015	3-5/8
LT85016	LT86016	4-1/8

Cross-Over Coupling

Nibco Style: 9636
LT-92 CXC

LT-92	O.D. Size (Inches)
LT92001	5/8
LT92002	7/8
LT92003	1-1/8

90° Elbow-Close Rough

Mueller Style: WE-500
Elkhart Style: 107-C
Nibco Style: 9607-1
LT-81 CXCMueller Style: WE-503
Elkhart Style: 107-C-2
Nibco Style: 9607-2
LT-82 FTGXC

LT-81	LT-82	O.D. Size (Inches)
LT81001	LT82001	1/4
LT81002	LT82002	5/16
LT81003	LT82003	3/8
LT81004	LT82004	1/2
LT81005	LT82005	5/8
LT81006	LT82006	3/4
LT81007	LT82007	7/8
LT81008	LT82008	1
LT81009	LT82009	1-1/8
LT81010	LT82010	1-1/4
LT81011	LT82011	1-3/8
LT81012	LT82012	1-1/2
LT81013	LT82013	1-5/8
LT81014	LT82014	1-3/4
LT81015	LT82015	2-1/8
LT81016	LT82016	2-5/8
LT81017	LT82017	3-1/8
LT81018	LT82018	3-5/8
LT81019	LT82019	4-1/8
LT81020	LT82020	5-1/8
LT81021	LT82021	6-1/8
LT81022	LT82022	5/8 x 1/2
LT81023	LT82023	7/8 x 5/8
LT81024	LT82024	1-1/8 x 5/8
LT81025	LT82025	1-1/8 x 7/8
LT81026	LT82026	1-3/8 x 1-1/8
LT81027	LT82027	1-5/8 x 1-3/8
LT81028	LT82028	2-1/8 x 1-5/8
LT81029	LT82029	2-5/8 x 2-1/8
LT81030	LT82030	3-1/8 x 2-5/8
LT81031	LT82031	4-1/8 x 3-1/8

P-Trap Suctioning

Mueller Style: WE-554P
Elkhart Style: 123
Nibco Style: 9698
LT-91 CXC

LT-91	O.D. Size (Inches)
LT91001	1/2
LT91002	5/8
LT91003	3/4
LT91004	7/8
LT91005	1
LT91006	1-1/8
LT91007	1-3/8
LT91008	1-5/8
LT91009	2-1/8
LT91010	2-5/8

Cap



Mueller Style: WC-415
Elkhart Style: 117
Nibco Style: 9617
LT-23 C

LT-23	O.D. Size (Inches)
LT23001	1/4
LT23002	3/8
LT23003	1/2
LT23004	5/8
LT23005	3/4
LT23006	7/8
LT23007	1-1/8
LT23008	1-3/8
LT23009	1-5/8
LT23010	2-1/8
LT23011	2-5/8
LT23012	3-1/8
LT23013	4-1/8

Tee



Mueller Style: WC-600
Elkhart Style: 111
Nibco Style: 9611
LT-61 CXCXC(1X2X3)

LT-61	O.D. Size (Inches)
LT61001	1/4
LT61002	5/16
LT61003	3/8
LT61004	1/2
LT61005	5/8
LT61006	3/4
LT61007	7/8
LT61008	1
LT61009	1-1/8
LT61010	1-1/4
LT61011	1-3/8
LT61012	1-1/2
LT61013	1-5/8
LT61014	1-3/4
LT61015	2-1/8
LT61016	2-5/8
LT61017	3-1/8
LT61018	3-5/8
LT61019	4-1/8
LT61020	5-1/8
LT61021	6-1/8
LT61022	5/16x5/16x1/4
LT61023	3/8x3/8x1/4
LT61024	3/8x1/4x3/8
LT61025	3/8x3/8x5/16
LT61026	1/2x3/8x1/4
LT61027	1/2x1/2x1/4
LT61028	1/2x1/2x3/8
LT61029	5/8x3/8x1/2
LT61030	5/8x3/8x5/8
LT61031	5/8x5/8x1/4
LT61032	5/8x5/8x3/8
LT61033	5/8x5/8x1/2
LT61034	5/8x5/8x3/4
LT61035	5/8x5/8x7/8
LT61036	3/4x5/8x5/8
LT61037	3/4x3/4x3/8
LT61038	3/4x3/4x1/2
LT61039	3/4x3/4x5/8
LT61040	3/4x5/8x3/4
LT61041	7/8x7/8x3/8
LT61042	7/8x7/8x1/2
LT61043	7/8x5/8x5/8
LT61044	7/8x5/8x7/8

Adapter



Mueller Style: WC-401
Elkhart Style: 104
Nibco Style: 9604
LT-16 CXM



Mueller Style: WC-402
Elkhart Style: 103
Nibco Style: 9603
LT-11 CXF

LT-16	LT-11	O.D. Size (Inches)
LT16001	LT11001	3/8x1/4
LT16002	LT11002	1/2x3/8
LT16003	LT11003	5/8x1/2
LT16004	LT11004	7/8x3/4
LT16005	LT11005	1-1/8x1
LT16006	LT11006	1-3/8x1-1/4
LT16007	LT11007	1-5/8x1-1/2
LT16008	LT11008	2-1/8x2
LT16009	LT11009	2-5/8x2-1/2
LT16010	LT11010	3-1/8x3
LT16011	LT11011	4-1/8x4

LT-61	O.D. Size (Inches)
LT61047	7/8x7/8x5/8
LT61048	7/8x7/8x3/4
LT61049	7/8x7/8x1-1/8
LT61050	1-1/8x5/8x5/8
LT61051	1-1/8x7/8x7/8
LT61052	1-1/8x1-1/8x1/2
LT61053	1-1/8x1-1/8x5/8
LT61054	1-1/8x1-1/8x3/4
LT61055	1-1/8x1-1/8x7/8
LT61056	1-1/8x1-1/8x1
LT61057	1-1/8x1-1/8x1-3/8
LT61058	1-3/8x1-1/8x1-1/8
LT61059	1-3/8x1-3/8x3/8
LT61060	1-3/8x1-3/8x5/8
LT61061	1-3/8x1-3/8x7/8
LT61062	1-3/8x1-3/8x1-1/8
LT61063	1-3/8x1-3/8x1-5/8
LT61064	1-3/8x7/8x7/8
LT61065	1-5/8x1-3/8x1-3/8
LT61066	1-5/8x1-5/8x5/8
LT61067	1-5/8x1-5/8x3/4
LT61068	1-5/8x1-5/8x7/8
LT61069	1-5/8x1-5/8x1-1/8
LT61070	1-5/8x1-5/8x1-3/8
LT61071	2-1/8x1-5/8x1-5/8
LT61072	2-1/8x2-1/8x5/8
LT61073	2-1/8x2-1/8x3/4
LT61074	2-1/8x2-1/8x7/8
LT61075	2-1/8x1-3/8x1-3/8
LT61076	2-1/8x2-1/8x1-1/8
LT61077	2-1/8x2-1/8x1-3/8
LT61078	2-1/8x2-1/8x1-5/8
LT61079	2-5/8x2-5/8x1-1/8
LT61080	2-5/8x2-5/8x1-3/8
LT61081	2-5/8x2-5/8x1-5/8
LT61082	2-5/8x2-5/8x2-1/8
LT61083	3-1/8x3-1/8x1-1/8
LT61084	3-1/8x3-1/8x1-3/8
LT61085	3-1/8x3-1/8x1-5/8
LT61086	3-1/8x3-1/8x2-1/8
LT61087	3-1/8x3-1/8x2-5/8
LT61088	4-1/8x4-1/8x1-5/8
LT61089	4-1/8x4-1/8x2-1/8
LT61090	4-1/8x4-1/8x2-5/8
LT61091	4-1/8x4-1/8x3-1/8

Return Bend



Mueller Style: WE-S12
Elkhart Style: 138
Nibco Style: 9638
LT-01 CXC

LT-01	O.D. Size (Inches)
LT01001	1/4x1
LT01002	3/8x1-1/2
LT01003	3/8x4-1/2
LT01004	1/2x1-1/2
LT01005	1/2x3
LT01006	5/8x1-7/8
LT01007	5/8x2
LT01008	5/8x2-1/4
LT01009	3/4x2-1/2
LT01010	7/8x2-1/2
LT01011	1-1/8x3
LT01012	1-1/8x3-1/4
LT01013	1-3/8x3
LT01014	1-3/8x3-3/4
LT01015	1-3/8x4
LT01016	1-5/8x3-1/2
LT01017	1-5/8x4-1/2
LT01018	2-1/8x5-1/2

Union



Mueller Style: WC-407
Elkhart Style: 4733
Nibco Style: 9633
LT-12 CXC

LT-12	Size
LT12001	1/2"
LT12002	5/8"
LT12003	7/8"
LT12004	1-1/8"
LT12005	1-3/8"
LT12006	1-5/8"
LT12007	2-1/8"
LT12008	2-5/8"
LT12009	3-1/8"

Cross-Forged Brass



Nibco Style: WT-603
LT-41 CXCXCXC

LT-41	O.D. Size (Inches)
LT41001	5/8
LT41002	3/4
LT41003	7/8
LT41004	1-1/8
LT41005	1-3/8
LT41006	1-5/8
LT41007	2-1/8

Copper Solder Fitting

Solder Ring Coupling



Coupling-Rolled Stop
LT-32L CXC



Coupling-No Stop
LT-31L CXC

LT-32L	LT-31L	O.D. Size (Inches)
LT32001L	LT31001L	3/8
LT32002L	LT31002L	1/2
LT32003L	LT31003L	5/8
LT32004L	LT31004L	3/4
LT32005L	LT31005L	7/8
LT32006L	LT31006L	1-1/8
LT32007L	LT31007L	1-3/8
LT32008L	LT31008L	1-5/8
LT32009L	LT31009L	2-1/8

Solder Ring Adapter



Male Adapter
LT-16L CXM



Female Adapter
LT-11L CXF

LT-16	LT-11	O.D. Size (Inches)
LT16001L	LT11001L	3/8x1/4
LT16002L	LT11002L	1/2x3/8
LT16003L	LT11003L	5/8x1/2
LT16004L	LT11004L	7/8x3/4
LT16005L	LT11005L	1-1/8x1
LT16006L	LT11006L	1-3/8x1-1/4
LT16007L	LT11007L	1-5/8x1-1/2
LT16008L	LT11008L	2-1/8x2

Solder Ring Coupling Reducing



Reducing Coupling
LT-34L CXC



Fitting Coupling
LT-35L FTGXC

LT-34L	LT-35L	O.D. Size (Inches)
LT34001L	LT35001L	1/2x3/8
LT34002L	LT35002L	5/8x1/2
LT34003L	LT35003L	3/4x1/2
LT34004L	LT35004L	3/4x5/8
LT34005L	LT35005L	7/8x1/2
LT34006L	LT35006L	7/8x5/8
LT34007L	LT35007L	7/8x3/4
LT34008L	LT35008L	1-1/8x5/8
LT34009L	LT35009L	1-1/8x3/4
LT34010L	LT35010L	1-1/8x7/8
LT34011L	LT35011L	1-3/8x3/4
LT34012L	LT35012L	1-3/8x7/8
LT34013L	LT35013L	1-3/8x1-1/8
LT34014L	LT35014L	1-5/8x1-1/8
LT34015L	LT35015L	1-5/8x1-3/8
LT34016L	LT35016L	2-1/8x1-1/8
LT34017L	LT35017L	2-1/8x1-3/8
LT34018L	LT35018L	2-1/8x1-5/8

Solder Ring 90° Elbow-Short Radius



LT-81L CXC LT-82L FTGXC

LT-81L	LT-82L	O.D. Size (Inches)
LT81001L	LT82001L	3/8
LT81002L	LT82002L	1/2
LT81003L	LT82003L	5/8
LT81004L	LT82004L	3/4
LT81005L	LT82005L	7/8
LT81006L	LT82006L	1-1/8
LT81007L	LT82007L	1-3/8
LT81008L	LT82008L	1-5/8
LT81009L	LT82009L	2-1/8

Solder Ring 90° Elbow-Long Radius Cap



LT-85L CXC LT-23L C

LT-85L	LT-23L	O.D. Size (Inches)
LT85001L	LT23001L	3/8
LT85002L	LT23002L	1/2
LT85003L	LT23003L	5/8
LT85004L	LT23004L	3/4
LT85005L	LT23005L	7/8
LT85006L	LT23006L	1-1/8
LT85007L	LT23007L	1-3/8
LT85008L	LT23008L	1-5/8
LT85009L	LT23009L	2-1/8

Solder Ring 45° Elbow



LT-54L CXC LT-55L FTGXC

LT-54L	LT-55L	O.D. Size (Inches)
LT54001L	LT55001L	3/8
LT54002L	LT55002L	1/2
LT54003L	LT55003L	5/8
LT54004L	LT55004L	3/4
LT54005L	LT55005L	7/8
LT54006L	LT55006L	1-1/8
LT54007L	LT55007L	1-3/8
LT54008L	LT55008L	1-5/8
LT54009L	LT55009L	2-1/8

Solder Ring Tee



LT-61L CXCXC(1X2X3)

LT-61L	O.D. Size (Inches)
LT61001L	3/8
LT61002L	1/2
LT61003L	5/8
LT61004L	3/4
LT61005L	7/8
LT61006L	1-1/8
LT61007L	1-3/8
LT61008L	1-5/8
LT61009L	2-1/8



LT61010L	1/2 x 1/2 x 3/8
LT61011L	5/8 x 5/8 x 3/8
LT61012L	5/8 x 5/8 x 1/2
LT61013L	3/4 x 3/4 x 5/8
LT61014L	7/8 x 7/8 x 1/2
LT61015L	7/8 x 7/8 x 5/8
LT61016L	7/8 x 7/8 x 3/4
LT61017L	1-1/8 x 1-1/8 x 5/8
LT61018L	1-1/8 x 1-1/8 x 3/4
LT61019L	1-1/8 x 1-1/8 x 7/8
LT61020L	1-3/8 x 1-3/8 x 7/8
LT61021L	1-3/8 x 1-3/8 x 1-1/8
LT61022L	1-5/8 x 1-5/8 x 7/8
LT61023L	1-5/8 x 1-5/8 x 1-1/8
LT61024L	1-5/8 x 1-5/8 x 1-3/8
LT61025L	2-1/8 x 2-1/8 x 1-1/8
LT61026L	2-1/8 x 2-1/8 x 1-3/8
LT61027L	2-1/8 x 2-1/8 x 1-5/8



LT61028L	1/2 x 1/2 x 5/8
LT61029L	5/8 x 5/8 x 3/4
LT61030L	5/8 x 5/8 x 7/8
LT61031L	7/8 x 7/8 x 1-1/8
LT61032L	1-1/8 x 1-1/8 x 1-3/8
LT61033L	1-3/8 x 1-3/8 x 1-5/8
LT61034L	1-5/8 x 1-5/8 x 2-1/8



LT61035L	5/8 x 3/8 x 1/2
LT61036L	5/8 x 3/8 x 5/8
LT61037L	5/8 x 1/2 x 1/2
LT61038L	3/4 x 5/8 x 5/8
LT61039L	7/8 x 5/8 x 5/8
LT61040L	7/8 x 5/8 x 7/8
LT61041L	1-1/8 x 5/8 x 5/8
LT61042L	1-1/8 x 7/8 x 5/8
LT61043L	1-1/8 x 7/8 x 7/8
LT61044L	1-3/8 x 7/8 x 7/8
LT61045L	1-3/8 x 1-1/8 x 1-1/8
LT61046L	1-5/8 x 1-3/8 x 1-3/8
LT61047L	2-1/8 x 1-3/8 x 1-3/8
LT61048L	2-1/8 x 1-5/8 x 1-5/8

Copper Fitting EN1254-1/BS864-2
Coupling-Round StopEN-32 FXF
NO:5270

EN-32	O.D. Size (MM)
EN32001	6
EN32002	8
EN32003	10
EN32004	12
EN32005	15
EN32006	16
EN32007	18
EN32008	22
EN32009	25
EN32010	28
EN32011	32
EN32012	35
EN32013	42
EN32014	54
EN32015	64
EN32016	67
EN32017	76
EN32018	89
EN32019	108
EN32020	133

Cross-Over Coupling

EN-92 FXF
NO:5085

EN-92	O.D. Size (MM)
EN92001	15
EN92002	18
EN92003	22

Cross-Over Street Coupling

EN-93 MXF
NO:5086

EN-93	O.D. Size (MM)
EN93001	15
EN93002	18
EN93003	22

Bent Tap Connector

EN-72 FXF
NO:5063

EN-72	O.D. Size (MM X Inch)
EN72001	15 x 1/2
EN72002	22 x 3/4
EN72003	22 x 1
EN72004	15 x 3/4
EN72005	28 x 1
EN72006	12 x 1/2
EN72007	12 x 3/4

Coupling-Reducing

EN-35 MXF NO:5243
EN-34 FXF NO:5240

EN-35	EN-34	O.D. Size (MM)
EN35001	EN34001	10 x 8
EN35002	EN34002	15 x 8
EN35003	EN34003	15 x 10
EN35004	EN34004	15 x 12
EN35005	EN34005	18 x 15
EN35006	EN34006	22 x 15
EN35007	EN34007	22 x 18
EN35008	EN34008	28 x 15
EN35009	EN34009	28 x 18
EN35010	EN34010	28 x 22
EN35011	EN34011	35 x 15
EN35012	EN34012	35 x 18
EN35013	EN34013	35 x 22
EN35014	EN34014	35 x 28
EN35015	EN34015	42 x 15
EN35016	EN34016	42 x 22
EN35017	EN34017	42 x 28
EN35018	EN34018	42 x 35
EN35019	EN34019	54 x 15
EN35020	EN34020	54 x 22
EN35021	EN34021	54 x 28
EN35022	EN34022	54 x 35
EN35023	EN34023	54 x 42
EN35024	EN34024	76 x 67

Cap

EN-23 F
NO:5301

EN-23	O.D. Size (MM)
EN23001	8
EN23002	10
EN23003	15
EN23004	18
EN23005	22
EN23006	28
EN23007	35
EN23008	42
EN23009	54

Straight Tap Connector

EN-71 FXF
NO:5062

EN-71	O.D. Size (MM X Inch)
EN71001	15 x 1/2
EN71002	15 x 3/4
EN71003	22 x 3/4
EN71004	22 x 1
EN71005	12 x 1/2
EN71006	12 x 3/4
EN71007	28 x 1
EN71008	35 x 1-1/4
EN71009	42 x 1-1/2
EN71010	54 x 2

45° Elbow

EN-54 FxF
NO:5041EN-55 MxF
NO:5040

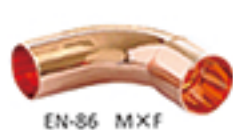
EN-54	EN-55	O.D. Size (MM)
EN54001	EN55001	15
EN54002	EN55002	18
EN54003	EN55003	22
EN54004	EN55004	28
EN54005	EN55005	35
EN54006	EN55006	42
EN54007	EN55007	54
EN54008	EN55008	67
EN54009	EN55009	76
EN54010	EN55010	89
EN54011	EN55011	108
EN54012	EN55012	133
EN54013	EN55013	159

90° Elbow-Close Rough

EN-81 FxF
NO:5090EN-82 MxF
NO:5092

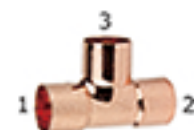
EN-81	EN-82	O.D. Size (MM)
EN81001	EN82001	6
EN81002	EN82002	8
EN81003	EN82003	10
EN81004	EN82004	12
EN81005	EN82005	15
EN81006	EN82006	16
EN81007	EN82007	18
EN81008	EN82008	22
EN81009	EN82009	25
EN81010	EN82010	28
EN81011	EN82011	32
EN81012	EN82012	35
EN81013	EN82013	42
EN81014	EN82014	54
EN81015	EN82015	67
EN81016	EN82016	76
EN81017	EN82017	80
EN81018	EN82018	89
EN81019	EN82019	108
EN81020	EN82020	133
EN81021	EN82021	159

90° Elbow-Long Radius

EN-85 FxF
NO:5002aEN-86 MxF
NO:5001a

EN-85	EN-86	O.D. Size (MM)
EN85001	EN86001	15
EN85002	EN86002	18
EN85003	EN86003	22
EN85004	EN86004	28
EN85005	EN86005	35
EN85006	EN86006	42
EN85007	EN86007	54

Tee

EN-61 FxFxF(1X2X3)
NO:5130
NO:5130R

EN-61	O.D. Size (MM)
EN61001	6
EN61002	8
EN61003	10
EN61004	12
EN61005	15
EN61006	16
EN61007	18
EN61008	22
EN61009	25
EN61010	28
EN61011	35
EN61012	42
EN61013	54
EN61014	67
EN61015	76
EN61016	89
EN61017	108
EN61018	133
EN61019	159
EN61020	15x15x8
EN61021	15x10x10
EN61022	15x10x15
EN61023	15x15x10
EN61024	15x15x18
EN61025	15x15x22
EN61026	18x15x15
EN61027	18x18x15
EN61028	18x15x18
EN61029	22x15x15
EN61030	22x18x15
EN61031	22x18x18
EN61032	22x22x15
EN61033	22x15x22
EN61035	22x22x18
EN61036	22x18x22
EN61037	22x22x28
EN61038	28x15x15
EN61039	28x28x15
EN61040	28x28x18
EN61041	28x22x22
EN61042	28x22x28
EN61043	28x28x22
EN61044	28x15x28
EN61045	35x15x35
EN61046	35x35x15
EN61047	35x35x18
EN61048	35x35x22
EN61049	35x28x28
EN61050	35x35x28
EN61051	42x42x15
EN61052	42x42x22
EN61053	42x42x28
EN61054	42x42x35
EN61055	54x54x22
EN61056	54x54x15
EN61057	54x54x28
EN61058	54x54x35
EN61059	54x54x42
EN61060	54x42x54
EN61061	67x67x28
EN61062	67x67x35
EN61063	67x67x42
EN61064	67x67x54
EN61065	76x76x35
EN61066	76x76x42
EN61067	76x76x54
EN61068	76x76x67

Copper Solder Fitting



EN-32L	O.D. Size (MM)
EN32001L	8
EN32002L	10
EN32003L	12
EN32004L	15
EN32005L	22
EN32006L	28
EN32007L	35
EN32008L	42
EN32009L	54

EN-34L	O.D. Size (MM)
EN34001L	10x8
EN34002L	15x10
EN34003L	15x12
EN34004L	15x8
EN34005L	22x15
EN34006L	28x15
EN34007L	28x22
EN34008L	35x15
EN34009L	35x22
EN34010L	35x28
EN34011L	42x15
EN34012L	42x22
EN34013L	42x28
EN34014L	42x35
EN34015L	54x22
EN34016L	54x28
EN34017L	54x35
EN34018L	54x42

EN-54L	O.D. Size (MM)
EN54001L	8
EN54002L	10
EN54003L	12
EN54004L	15
EN54005L	22
EN54006L	28
EN54007L	35
EN54008L	42
EN54009L	54

EN-35L	O.D. Size (MM)
EN35001L	10x8
EN35002L	15x10
EN35003L	15x12
EN35004L	15x8
EN35005L	22x15
EN35006L	28x15
EN35007L	28x22
EN35008L	35x15
EN35009L	35x22
EN35010L	35x28
EN35011L	42x15
EN35012L	42x22
EN35013L	42x28
EN35014L	42x35
EN35015L	54x22
EN35016L	54x28
EN35017L	54x35
EN35018L	54x42

EN-85L	O.D. Size (MM)
EN85001L	8
EN85002L	10
EN85003L	12
EN85004L	15
EN85005L	22
EN85006L	28
EN85007L	35
EN85008L	42
EN85009L	54



LT-16	O.D. Size
LT-16001	12x1/2"
LT-16002	12x3/4"
LT-16003	15x1/2"
LT-16004	15x3/4"
LT-16005	22x3/4"
LT-16006	22x1"

LT-17	O.D. Size
LT-17001	15x1/2"
LT-17002	15x3/4"
LT-17003	22x3/4"
LT-17004	22x1"
LT-17005	28x1"

EN-61L	O.D. Size (MM)
EN61001L	8
EN61002L	10
EN61003L	12
EN61004L	15
EN61005L	22
EN61006L	28
EN61007L	35
EN61008L	42
EN61009L	54

EN-62L	O.D. Size (MM)
EN62001L	22x15x15
EN62002L	22x15x22
EN62003L	22x22x15
EN62004L	15x22x15
EN62005L	28x15x15
EN62006L	28x15x22
EN62007L	28x15x28
EN62008L	28x22x15
EN62009L	28x22x22
EN62010L	28x22x28
EN62011L	28x28x15
EN62012L	28x28x22
EN62013L	35x15x15
EN62014L	35x15x22
EN62015L	35x15x28
EN62016L	35x15x35
EN62017L	35x22x15
EN62018L	35x22x22
EN62019L	35x22x28
EN62020L	35x22x35
EN62021L	35x28x15
EN62022L	35x28x22
EN62023L	35x28x28
EN62024L	35x28x35
EN62025L	35x35x15
EN62026L	35x35x22
EN62027L	35x35x28
EN62028L	42x15x15
EN62029L	42x15x22
EN62030L	42x15x28
EN62031L	42x15x35
EN62032L	42x15x42
EN62033L	42x22x22
EN62034L	42x22x28
EN62035L	42x28x35
EN62036L	42x28x42
EN62037L	42x35x35
EN62038L	42x35x42
EN62039L	42x42x22
EN62040L	42x42x35

Copper Fitting AS 3688

Push-Fit Fitting



Coupling

Model
DN15
DN18
DN20
DN25
DN32
DN40
DN50
DN65
DN80
DN100



Reducing Coupling

Model
DN20 x 15
DN25 x 15
DN25 x 20
DN32 x 15
DN32 x 20
DN32 x 25
DN40 x 20
DN40 x 25
DN40 x 32
DN50 x 20
DN50 x 25
DN50 x 32
DN50 x 40
DN65 x 32
DN65 x 40
DN65 x 50
DN80 x 40
DN80 x 50
DN80 x 65
DN100 x 50
DN100 x 65
DN100 x 80



Reducer

Model
DN20 x 15
DN25 x 15
DN25 x 20
DN32 x 20
DN32 x 25
DN40 x 25
DN40 x 32
DN50 x 32
DN50 x 40



Elbow 45°

Model
DN25
DN32
DN40
DN50
DN60
DN80
DN100

Elbow 45°
Male&Female

Model
DN25
DN32
DN40
DN50
DN65
DN80
DN100



Adaptor F

Model
DN15 x 1/2"
DN18 x 1/2"
DN20 x 3/4"
DN25 x 1"
DN32 x 1 1/4"
DN40 x 1 1/2"
DN50 x 2"
DN65 x 2 1/2"
DN80 x 3"
DN100 x 4"



Adaptor M

Model
DN20 x 15 x 15
DN20 x 20 x 15
DN20 x 15 x 20
DN25 x 25 x 15
DN25 x 25 x 20
DN32 x 32 x 15
DN32 x 32 x 25
DN40 x 40 x 25
DN50 x 40 x 32
DN50 x 50 x 20
DN50 x 50 x 25
DN50 x 50 x 32
DN50 x 50 x 40



Tee

Model
DN15
DN18
DN20
DN25
DN32
DN40
DN50

Elbow 90°
Male&Female

Model
DN15
DN20
DN25
DN32
DN40
DN50
DN65
DN80
DN100



Cap

Model
DN15
DN20
DN25
DN32
DN40
DN50
DN65
DN80
DN100

Push-Fit Brass Fitting



Model	Description	Size
U1-ZCS-10-115	C-C Coupler	15mm
U1-ZCS-10-122	C-C Coupler	22mm



Model	Description	Size
U1-ZCS-10-115-122	C-C Coupler	15mm-22mm



Model	Description	Size
U1-ZCS-20-115	C-C Elbow	15mm
U1-ZCS-20-122	C-C Elbow	22mm



Model	Description	Size
U1-ZCS-12-115	FI-C Coupler	15mm x 1/2"
U1-ZCS-12-122	FI-C Coupler	22mm x 3/4"



Model	Description	Size
U1-ZCS-22-115	MI-C Elbow	15mm x 1/2"
U1-ZCS-22-122	MI-C Elbow	22mm x 3/4"



Model	Description	Size
U1-ZCS-21-115	FI-C Elbow	15mm x 1/2"
U1-ZCS-21-122	FI-C Elbow	22mm x 3/4"



Brass Fitting

Model	Description	Size
U1-ZCS-10-115	Equal Tee	15mm
U1-ZCS-10-122	Equal Tee	22mm



Model	Description	Size
U1-ZCS-20-115	Wallplate Elbow	15mm x 1/2"

Model	Description	Size
JV4101	Brass Fittings	15mm x 1/2"
JV4102	Brass Fittings	18mm x 1/2"
JV4103	Brass Fittings	18mm x 3/4"
JV4104	Brass Fittings	22mm x 1/2"
JV4105	Brass Fittings	22mm x 3/4"
JV4106	Brass Fittings	28mm x 1"



Model	Description	Size
JV4201	Brass Fittings	12mm x 1/2"
JV4202	Brass Fittings	15mm x 3/8"
JV4203	Brass Fittings	15mm x 1/2"
JV4204	Brass Fittings	15mm x 3/4"
JV4205	Brass Fittings	18mm x 1/2"
JV4206	Brass Fittings	18mm x 3/4"
JV4207	Brass Fittings	22mm x 1/2"
JV4208	Brass Fittings	22mm x 3/4"
JV4209	Brass Fittings	22mm x 1"
JV4210	Brass Fittings	28mm x 3/4"
JV4211	Brass Fittings	28mm x 1"
JV4212	Brass Fittings	35mm x 1-1/4"



Model	Description	Size
JV4201	Brass Fittings	12mm x 3/8"
JV4202	Brass Fittings	12mm x 1/2"
JV4203	Brass Fittings	15mm x 3/8"
JV4204	Brass Fittings	15mm x 1/2"
JV4205	Brass Fittings	15mm x 3/4"
JV4206	Brass Fittings	18mm x 1/2"
JV4207	Brass Fittings	18mm x 3/4"
JV4208	Brass Fittings	22mm x 1/2"
JV4209	Brass Fittings	22mm x 3/4"
JV4210	Brass Fittings	22mm x 1"
JV4211	Brass Fittings	28mm x 1/2"
JV4212	Brass Fittings	28mm x 3/4"
JV4213	Brass Fittings	28mm x 1"
JV4214	Brass Fittings	28mm x 1-1/4"
JV4215	Brass Fittings	35mm x 1"
JV4216	Brass Fittings	35mm x 1-1/4"
JV4217	Brass Fittings	42mm x 1-1/2"
JV4218	Brass Fittings	42mm x 1-1/4"



Model	Description	Size
JV4301	Brass Fittings	12mm x 1/2"
JV4302	Brass Fittings	15mm x 1/2"
JV4303	Brass Fittings	18mm x 1/2"



Model	Description	Size
JV4401	Brass Fittings	15mm x 1/2"
JV4402	Brass Fittings	18mm x 1/2"
JV4403	Brass Fittings	15mm x 3/8"



Model	Description	Size
JV4401	Brass Fittings	12mm x 1/2"
JV4402	Brass Fittings	15mm x 1/2"
JV4403	Brass Fittings	18mm x 1/2"



Model	Description	Size
JV4404	Brass Fittings	15mm x 1/2"
JV4405	Brass Fittings	18mm x 1/2"

Copper & Nickel Special Fitting For Marine Application Refuorld

LTP1001
1/2" ~ 2"LTP2001
1/2" ~ 2"LTP3001
15mm~159mmLTP4001
1/2" ~ 2"

AS3688 Standard Copper Fitting

LT-XS1	O.D.Size (MM)
LTXS101	10
LTXS102	15
LTXS103	18
LTXS104	20
LTXS105	25
LTXS106	32
LTXS107	40
LTXS108	50
LTXS109	65
LTXS110	80
LTXS111	100
LTXS112	125
LTXS113	150
LTXS114	200

LT-XS2	O.D.Size (MM)
LTXS201	25x20
LTXS202	25x18
LTXS203	25x15
LTXS204	20x18
LTXS205	20x15
LTXS206	18x15
LTXS207	18x10
LTXS208	32x20
LTXS209	32x25
LTXS210	40x20
LTXS211	40x25
LTXS212	40x32
LTXS213	50x20
LTXS214	50x25
LTXS215	50x32
LTXS216	50x40
LTXS217	65x32
LTXS218	65x40
LTXS219	65x50
LTXS220	80x50
LTXS221	80x65
LTXS222	100x50
LTXS223	100x80

LT-XS4	O.D.Size (MM)
LTXS401	32
LTXS402	40
LTXS403	50
LTXS404	65
LTXS405	80
LTXS406	100
LTXS407	125
LTXS408	150
LTXS409	200

LT-XS8	O.D.Size (MM)
LTXS801	25x20x25
LTXS802	25x18x25
LTXS803	25x15x25
LTXS804	20x18x20
LTXS805	20x15x20
LTXS806	18x15x18
LTXS807	18x10x18
LTXS808	32x20x32
LTXS809	32x25x32
LTXS810	40x20x40
LTXS811	40x25x40
LTXS812	40x32x40
LTXS813	50x20x50
LTXS814	50x25x50
LTXS815	50x32x50
LTXS816	50x40x50
LTXS817	65x32x65
LTXS818	65x40x65
LTXS819	65x50x65
LTXS820	80x50x80
LTXS821	80x65x80
LTXS822	100x50x100
LTXS823	100x80x100
LTXS824	150x100x150
LTXS825	200x150x200

LT-XS3	O.D.Size (MM)
LTXS301	10
LTXS302	15
LTXS303	18
LTXS304	20
LTXS305	25
LTXS306	32
LTXS307	40
LTXS308	50
LTXS309	65
LTXS310	80
LTXS311	100
LTXS312	125
LTXS313	150
LTXS314	200

LT-XS5	O.D.Size (MM)
LTXS501	10
LTXS502	15
LTXS503	18
LTXS504	20
LTXS505	25
LTXS506	32
LTXS507	40
LTXS508	50
LTXS509	65
LTXS510	80
LTXS511	100
LTXS512	125
LTXS513	150
LTXS514	200

LT-XS6	O.D.Size (MM)
LTXS601	32
LTXS602	40
LTXS603	50
LTXS604	65
LTXS605	80
LTXS606	100
LTXS607	125
LTXS608	150
LTXS609	200

LT-XS7	O.D.Size (MM)
LTXS701	10
LTXS702	15
LTXS703	18
LTXS704	20
LTXS705	25
LTXS706	32
LTXS707	40
LTXS708	50
LTXS709	65
LTXS710	80
LTXS711	100
LTXS712	125
LTXS713	150
LTXS714	200

LT-XS9	O.D.Size (MM)
LTXS901	10
LTXS902	15
LTXS903	18
LTXS904	20
LTXS905	25
LTXS906	32
LTXS907	40
LTXS908	50
LTXS909	65
LTXS910	80
LTXS911	90
LTXS912	100
LTXS913	125
LTXS914	150
LTXS915	200

Refrigerant

Model	Weight	Model	Weight	Container Quantity
R22	13.6kgs, 22.7kgs	R507	11.3kgs	1140pc (13.6kg) 650pc (22.7kg) /20ft
R124	40kgs, 400kgs, 800kgs	R406A	13.6kgs	
R141	13.6kgs	R408A	10.9kgs	
R142B	13.6kgs	R409A	13.6kgs	
R143A	700kgs	R409B	13.6kgs	
R134A	13.6kgs	R415B	12kgs	
	250g	R502	13.6kgs	
R405A	10.9kgs	R600A	6.5kgs, 450kgs	
R407C	1.3kgs, 870kgs	R290	380kgs	
R32	9kgs	R123	100kgs, 250kgs	
		R410A	11.3kgs	



Cleaner



LAC-06
Condensate
Pan &
Humidifier
Treatment



LAC-13
External
Condenser
Coil Cleaner
-Alkaline



LAC-14
External
Condenser
Coil Cleaner &
Brightener-acid



LAC-22
Ideal For Acid,
Alkaline & Solvent
Based Coil
Cleaners



LAC-23
Ideal For Acid,
Alkaline & Solvent
Based Coil
Cleaners

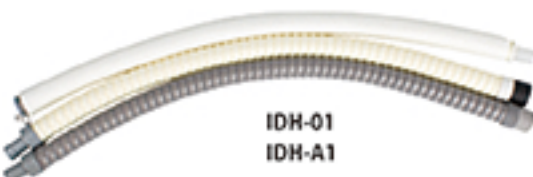
Air Conditioning Drain Pipe



Type:
DNH-02

- 1. For discharging the condensed water generated by the air conditioning indoor unit to the outdoor.
- 2. Duplex structures with inner charcoal are able to defend ultraviolet ray, prevent drainage from being aged or cracked.
- 3. Pass Sunshine Weather Meter 3000 Hours test.
- 4. High performance PE ensure excellent corrosion resistance.
- 5. Joints are built 100cm apart (suitable for F14, F16, F18).
- 6. 50m/roll.

Insulation Drain Hose



IDH-01
IDH-A1

Air Conditioner Universal Hanging Board



Accessories

- *Drain pipe (dia. 16mm x 3m)
- *PVC tape adhesive (18mm x 0.13mm x 10m)
- *PVC tape non-adhesive (50mm x 0.15mm x 20m)
- *Electrical wire *Plaster (200g)
- *Insulation pad (300 x 200mm)
- *Peg (4pcs) *Wall entry fitting *Pipe tie



- *Australian AWTA flammability test
- *American ULHF-1 fire resistance test
- *Taiwan CANS
- *French MI Test
- *SGS non-toxic/heavy metal-free product test certification
- *Test and authentication of Shanghai Plastic Supervision Bureau