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DRAINAGE FITTINGS

.....	CONNECTION	PAGE #
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22 1/4 ELBOW	CxC	38
45 ELBOW - SHORT RADIUS	CxC	39
45 ELBOW - SHORT RADIUS - STREET	FTGxC	39
45 ELBOW - FEMALE	CxFE	39
45 ELBOW - MALE	CxM	39
60 ELBOW	CxC	39
90 ELBOW - SHORT RADIUS	CxC	40
90 ELBOW - LONG TURN	CxC	40
90 ELBOW - SHORT RADIUS STREET	FTGxC	40
90 ELBOW - FEMALE	CxFE	40
90 ELBOW - MALE	CxM	40
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TRAP - ADAPTER	C x SJ	34
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RETURN BEND - w/ CLEANOUT	CxC	43
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S-TRAP - w/ CLEANOUT	CxC	43
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45 WYE	CxCxC	45
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Abbreviations:

WP - Wrought Pressure
WD - Wrought Drainage
CP - Cast Pressure
CD - Cast Drainage
C - Copper Tube Cupped End or Sweat End
M - Male NPT Thread
FE - Female NPT Thread
SJ - Slip Joint End
FTG - Fitting End (Street)
LT - Long Turn
MJ - Mechanical Joint
DE - Drop Ear
DWV - Drain, Waste, Vent
TY - 90° Drainage Tee
Y - 45° Drainage Tee

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PRESSURE FITTINGS

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BS3-2-	ADAPTER - FEMALE STREET	FTG x F	9-10, 31
BS33-	UNION	CxC	29, 31
BS4-	ADAPTER - MALE	C x M	10-11, 31
BSFLF-	BUSHING - FLUSH	FTG x F	13, 31
CP1-	COUPLING	CxC	14
CP11-5-	TEE - DROP EAR	CxCxC	28
CP12-	BUSHING - FITTING REDUCER	FTG x C	12
CP12-	TEE	CxCxF	26
CP123-	TEE	CxFxF	26
CP12-5-	TEE - DROP EAR	CxCxF	28
CP14-	TEE	CxFxC	27
CP144-	TEE	FxMxC	27
CP17-	CAP		13
CP1D-	COUPLING - JET DRAIN / VENT	CxC	15
CP1E-	COUPLING - ECCENTRIC	CxC	15
CP3-	ADAPTER - FEMALE	C x F	9, 31
CP3-2-	ADAPTER - FEMALE STREET	FTG x F	9-10, 31
CP33-	UNION	CxC	29, 31
CP33-3-	UNION - FEMALE	CxF	29
CP33-4-	UNION - MALE	CxM	29
CP33-74-	UNION - 90 ELBOW	CxM	29
CP35-	CROSS	CxCxCxC	16
CP3-5B-	ADAPTER - FEMALE DROP EAR	C x F	10
CP3-6-	ADAPTER - FEMALE HI EAR	C x F	10
CP36-	COUPLING - CROSSOVER	CxC	15
CP38-	RETURN BEND	CxC	22
CP39-	RETURN BEND - CLOSED	CxC	22
CP3E-	COUPLING - ECCENTRIC	CxFE	15
CP4-	ADAPTER - MALE	C x M	10-11, 31
CP41-125-	FLANGES - 125 LB	CxFLANGE	21
CP41-150-	FLANGES - 150 LB	CxFLANGE	21
CP41-300-	FLANGES - 300 LB	CxFLANGE	21
CP41-BLIND-	FLANGES - 150 LB BLIND	CxFLANGE	22
CP4-2-	ADAPTER - MALE STREET	FTG x M	11
CP46-BOILER	COUPLING - BOILER		
	(BOILER RETURN)	CxMxFE	15
CP49-	WYE - 45 Y BRANCH	CxCxC	29
CP6-	45 ELBOW - SHORT RADIUS	CxC	16
CP6-3-	45 ELBOW - FEMALE	CxF	16
CP6-4-	45 ELBOW - MALE	CxM	17
CP7-	90 ELBOW - SHORT RADIUS	CxC	17
CP7-3-	90 ELBOW - FEMALE	CxF	20
CP735-	90 ELBOW - DROP EAR	CxF	19
CP736-	90 ELBOW - HI EAR	CxF	20
CP738-	90 ELBOW - FLANGE SINK	CxC	20
CP74-	90 ELBOW - MALE	CxM	20-21
CP75-	90 ELBOW - DROP EAR	CxC	19
CP76-	90 ELBOW - HI EAR	CxC	20
CPGBT-	TEE - BASEBOARD	CxFxC	27
CPFBT-	TEE - BASEBOARD	FxFxC	27
CPFLF-	BUSHING - FLUSH	FTG x F	13, 31

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CPFLVALVE -	ADAPTER - FLUSH VALVE	C x M	11
CPMFT-	TEE - MONO FLOW	CxCxC	28
CPT-	TEE	CxCxC	23-26
CPT-2-	TEE - STREET	CxFTGxC	28
WP0-	COUPLING	CxC	14
WP0-RING-	COUPLING	CxC	14
WP02-	BUSHING - FITTING REDUCER	FTG x C	12
WP0D-	COUPLING - OD SIZES	CxC	15
WP0E-	COUPLING - ECCENTRIC	CxC	15
WP0-NSTOP-	COUPLING - NO STOP	CxC	16
WP0-S-	COUPLING - LONG REPAIR / SLIDE	CxC	16
WP16-	PLUG - FITTING END		22
WP17-	CAP		13
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WP3-2-	ADAPTER - FEMALE STREET	FTG x F	9-10, 31
WP33-	UNION	CxC	29, 31
WP33-3-	UNION - FEMALE	CxF	29
WP33-4-	UNION - MALE	CxM	29
WP36-	COUPLING - CROSSOVER	CxC	15
WP37-	P TRAP - SUCTION LINE		23
WP37-	SUCTION LINE - P TRAP		23
WP38-	RETURN BEND	CxC	22
WP4-	ADAPTER - MALE	C x M	10-11, 31
WP4-2-	ADAPTER - MALE STREET	FTG x M	11
WP4HT-	ADAPTER - HOSE	C x HOSE	11
WP6-	45 ELBOW - SHORT RADIUS	CxC	16
WP6-2-	45 ELBOW - STREET	FTGxC	17
WP7-	90 ELBOW - SHORT RADIUS	CxC	17
WP7-2-	90 ELBOW - STREET (SHORT RADIUS)	FTGxC	18
WP7-2-2-	90 ELBOW - FITTING	FTGxFTG	19
WP7D-	90 ELBOW - W/ DRAIN	CxC	19
WP7LT-	90 ELBOW - LONG TURN	CxC	18
WP7LT-2-	90 ELBOW - STREET (LONG TURN)	FTGxC	18
WP7LT-2-2-	90 ELBOW - FITTING (LONG TURN)	FTGxFTG	19
WPBT-	TEE - BASEBOARD	CxFxC	27
WPFLC-	BUSHING - FLUSH	FTG x C	13
WPFLF-	BUSHING - FLUSH	FTG x F	13, 31
WPFLVALVE -	ADAPTER - FLUSH VALVE	C x M	11
WPT-	TEE	CxCxC	23-26
WPT-2-	TEE - STREET	CxFTGxC	28

DRAINAGE FITTINGS

CD100-	TEE - DOUBLE WASTE FITTING	CxCxCxC	44
CD102-	CLOSET FLANGE	CxC	37
CD127-	SLIP JOINT NUT		43
CD80-	45 WYE	CxCxC	45
CD80D-	45 SAN WYE - DOUBLE	CxCxCxC	45
CD81-	90 TEE - SANITARY (T-Y)	CxCxC	45-46
CD812-	90 TEE - (T-Y) - FITTING	CxFTGxC	47
CD813-	90 TEE - (T-Y) - FEMALE	CxCxFE	47
CD81D-	90 TEE - SANITARY (T-Y) - DOUBLE	CxCxCxC	46
CD81DL-	90 TEE - SANITARY (T-Y) - LONG TURN DOUBLE	CxCxCxC	46-47
CD81L-	90 TEE - SANITARY (T-Y) - LONG TURN	CxCxC	46



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DRAINAGE FITTINGS (continued)

CD81S	90 TEE - (T-Y) - SIDEOUT	CxCxCxC	47
CD82JS	P-TRAP - w/ CLEANOUT	CxSJ	42
CD82LA	P-TRAP - LA STYLE (UNION JOINT)	CxSJ	42
CD82N/BDY	RETURN BEND - NO CLEANOUT	CxC	43
CD82N/CO	P-TRAP - NO CLEANOUT	CxC	42
CD82SN/CO	S-TRAP - NO CLEANOUT	CxC	43
CD82SW/CO	S-TRAP - w/ CLEANOUT	CxC	43
CD82W/BDY	RETURN BEND - w/ CLEANOUT	CxC	43
CD82W/CO	P-TRAP - w/ CLEANOUT	CxC	42
CD83	ADAPTER - FEMALE	CxF	33
CD84	ADAPTER - MALE	CxM	33
CD84-2	ADAPTER - MALE STREET	FTGxM	33
CD85	ADAPTER - SOIL PIPE	C x SPIGOT	35
CD85E	ADAPTER - SOIL PIPE (ECC)	C x SPIGOT	35
CD85MJ	ADAPTER - SOIL PIPE (NO HUB)	C x NO HUB	35
CD86-11/	11 1/4 ELBOW	CxC	38
CD86-2	45 ELBOW-SHORT RADIUS-STREET	FTGxC	39
CD86-22/	22 1/4 ELBOW	CxC	38
CD86-3	45 ELBOW - FEMALE	CxFE	39
CD86-4	45 ELBOW - MALE	CxM	39
CD86-45/	45 ELBOW - SHORT RADIUS	CxC	39
CD86-60/	60 ELBOW	CxC	39
CD87	90 ELBOW - SHORT RADIUS	CxC	40
CD87-2	90 ELBOW-SHORT RADIUS-STREET	FTGxC	40
CD87-3	90 ELBOW - FEMALE	CxFE	40
CD87-4	90 ELBOW - MALE	CxM	40
CD87D	90 ELBOW - DOUBLE	CxCxC	40
CD87SJ	90 ELBOW - SLIP JOINT	CxSJ	41
CD88	CLEANOUT - TUBE END	C x C/O	37
CD89F	CLEANOUT - FLUSH FITTING	FTG x C/O	36
CD89P	CLEANOUT - FITTING	FTG x C/O	36
CD90	TEST TEE - LINE CLEANOUT	CxCxC/O	44
CD91C	PLUG - COUNTERSUNK		41
CD91R	PLUG - RAISED HEAD		41
CD-DRUM	TRAP - DRUM (SWIVEL)	CxC	41
CDGJS	P-TRAP - GROUND SWIVEL JOINT	CxC	42
CDROOF	ADAPTER - SOIL PIPE (ROOF)	SOIL x C ROOF	35
CDSJ	CONDENSATE TEE	SJ x OD x M	44
WD0	COUPLING - DWV	CxC	37
WD0-2	BUSHING - EXTENDED	FTG x C	36
WD0-NSTOP	COUPLING - DWV NO-STOP	CxC	37
WD0-OD	COUPLING - DWV OD SIZES	C x OD	38
WD126	BUSHING - TRAP (MARVEL THREAD)	C x M	36
WD126	MARVEL THREAD - BUSHING TRAP	C x M	36
WD83	ADAPTER - FEMALE	C x F	33
WD83-2	ADAPTER - FEMALE STREET	FTG x F	33
WD84	ADAPTER - MALE	C x M	33
WD84-2	ADAPTER - MALE STREET	FTG x M	33
WD84-F	ADAPTER - FLUSH TRAP	C x M	34
WD84-F	TRAP - FLUSH ADAPTER	C x M	34
WD84-HF	ADAPTER - TRAP (SCULLY BUSHING)	C x M	34
WD85MJ	ADAPTER - SOIL PIPE (NO HUB)	C x NO HUB	35
WD86-2	45 ELBOW - SHORT RADIUS - STREET	FTGxC	39
WD86-45/	45 ELBOW - SHORT RADIUS	CxC	39
WD87	90 ELBOW - SHORT RADIUS	CxC	40
WD87-2	90 ELBOW - SHORT RADIUS STREET	FTGxC	40
WD87LT	90 ELBOW - LONG TURN	CxC	40

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DRAINAGE FITTINGS (continued)

WD88	CLEANOUT - TUBE END	C x C/O	37
WD89F	CLEANOUT - FLUSH FITTING	FTG x C/O	36
WD89P	CLEANOUT - FITTING	FTG x C/O	36
WDFESJ	ADAPTER - TRAP	FE x SJ	34
WDFESJ	TRAP - ADAPTER	FE x SJ	34
WDFSJ	ADAPTER - TRAP	FTG x SJ	34
WDFSJ	TRAP - ADAPTER	FTG x SJ	34
WDMSJ	ADAPTER - TRAP	M x SJ	34
WDMSJ	TRAP - ADAPTER	M x SJ	34
WDSJ	ADAPTER - TRAP	C x SJ	34
WDSJ	TRAP - ADAPTER	C x SJ	34
WPTST	TEST CAP		44

Cross Reference of Product Numbers



CELLO ITEM NO	MUELLER	ELKHART	NIBCO	CELLO ITEM NO	MUELLER	ELKHART	NIBCO
ACCSCLOTH				CD89F, WD89F	D-730F	5816-S	816-S
ACMSCLOTH				CD89P, WD89P	D-730	5816	816
BS3, CP3, WP3	WC-102, C-102	103, 4703	603, 703	CD90	D-714	5814	814
BS3-2, CP3-2, WP3-2	WC-405, C-105	103-2, 4703-2	603-2, 703-2	CD91C			
BS33, CP33, WP33				CD91R	D-745	5819	818
BS4, CP4, WP4	WC-401, C-101	104, 4704	604, 704	CD-DRUM	D-778	5891	891
BSFLF, CPFLF, WPFLF	WC-417	119-3, 4718-3	718-3	CDGJS	D-760	5550	885
CD100	D-718	5835	835	CDROOF			
CD102	DW-734, D-734	351	951, 851	CDSJ			
CD127				CP1	4701, 4701-R		
CD80	D-719	310, 5810	810	CP11-5	T-310	4711-5	711-5
CD80D	D-720	5834	834	CP12	T-312	4712	712
CD81	DW-707, D-707	311, 5811	911, 811	CP12, WP02	WC-403, C-103	118	600-2, 701-2
CD812				CP123	T-304	710-3	
CD813	D-708	5811-CCF	811-14	CP12-5	T-311	4712-5	712-5
CD81D	D-718	5835	835	CP14	T-303	4714	714
CD81DL	D-717	5836	836	CP144	T-305	710-3-4	
CD81L	D-715	5812	812	CP17, WP17	WC-415, C-115	117, 4717	617, 717
CD81S				CP1D	CD-100	4175	701D
CD82JS	D-763	5555	880	CP1E, WP0E	CE-100	110	702
CD82LA	D-740	5559	892-LA	CP3, WP3, BS3	WC-102, C-102	103, 4703	603, 703
CD82N/BDY	D-782	5879	879	CP3-2, WP3-2, BS3-2	WC-405, C-105	103-2, 4703-2	603-2, 703-2
CD82N/CO	D-760	5550	885	CP33, WP33, BS33			
CD82SN/CO				CP33-3, WP33-3	C-109	102-F, 4733-3	733-3
CD82SW/CO				CP33-4, WP33-4	C-108	102-M, 4733-4	733-4
CD82W/BDY	D-783	5878	878	CP33-74	E-208	4707-4-6	707-4-6
CD82W/CO	D-7601	5551	884	CP35	T-312	4735	735
CD83, WD83	DW-753, D-753	303, 5803	903, 803	CP3-5B	4703-5	703-5B	
CD84, WD84	DW-732, D-732	304, 5804	904, 804	CP3-6	4703-5-1		
CD84-2, WD84-2	804-2	5804-2		CP36, WP36	WC-412	736	
CD85	DW-733, D-733	305	905, 805	CP38, WP38	WE-512	138	638
CD85E				CP39	E-212	739	
CD85MJ, WD85MJ	D-736N	305-NH	805-N	CP3E			
CD86-11/	D-704	309	809	CP4, WP4, BS4	WC-401, C-101	104, 4704	604, 704
CD86-2, WD86-2	DW-205, D-702F	306-2	906-2, 806-2	CP41-125	F-940	4741	741
CD86-22/	DW-703, D-703	308	808	CP41-150	F-900	4771	771
CD86-3,				CP41-300			
CD86-4,				CP41-BLIND			
CD86-45/, WD86-45/	DW-204, D-702	306	906, 806	CP4-2, WP4-2	WC-404, C-104	104-2, 4704-2	604-2, 704-2
CD86-60/	DW-701, D-701	360	960, 860	CP46-BOILER			
CD87, WD87	DW-200, D-700	307, 3807	907, 807	CP49	T-317	4749	749
CD87-2, WD87-2	DW-203, D-700F	307-2	907-2, 807-2	CP6, WP6	WE-504, E-204	106	606, 706
CD87-3	807-3			CP6-3			
CD87-4	807-4			CP6-4			
CD87D	D-706	5837	837	CP7, WP7	WE-500, E-200	107-C, 4707	607, 707
CD87SJ				CP7-3	E-202	108, 4707-3	707-3
CD88, WD88				CP735	E-211	4707-3-5	707-3-5
				CP736	E-211HE	4707-5-3	707-3-5-A



CELLO ITEM NO	MUELLER	ELKHART	NIBCO	CELLO ITEM NO	MUELLER	ELKHART	NIBCO
CP738	E-215	4708	708	WP33-3, CP33-3	C-109	102-F, 4733-3	733-3
CP74	E-201	4707-4	707-4	WP33-4, CP33-4	C-108	102-M, 4733-4	733-4
CP75	E-210	107-C-5,4707-5	707-5	WP36, CP36	WC-412		736
CP76	E-210HE	107-C-5-1, 4707-5-1	707-5-A	WP37	E-212		698
CPCBT, WPBT	T-301	4714-B	705	WP38, CP38	WE-512	138	638
CPFBT				WP4, BS4, CP4	WC-401, C-101	104, 4704	604, 704
CPFLF, WPFLF,BSFLF	WC-417	119-3, 4718-3	718-3	WP4-2, CP4-2	WC-404, C-104	104-2, 4704-2	604-2, 704-2
CPFLVALVE, WPFLVALVE	C-101F	704-F		WP4HT		4704-HT	704-H
CPMFT				WP6, CP6	WE-504, E-204	106	606, 706
CPT, WPT	WT-600, T-300	111, 4711	611, 711	WP6-2	WE-505	106-2	606-2, 706-2
CPT-2, WPT-2	WT-600F	111-2	611-2	WP7, CP7	WE-500, E-200	107-C, 4707	607,707
WD0	DW-741	301	901, 801	WP7-2	WE-503	107-C-2	607-2, 707-2
WD0-2	DW-742	301-2	901-2, 801-2	WP7-2-2	WE-506	105-C	607-2-2
WD0-NSTOP	301-NS	801-RP		WP7D	E-200D	4236	705-D
WD0-OD				WP7LT	WE-500L	107-L	607-LT
WD126		5802		WP7LT-2	WE-503L	107-L-2	607-2-LT
WD83, CD83	DW-753, D-753	303, 5803	903, 803	WP7LT-2-2	WE-506LT	105-L	607-2-2-LT
WD83-2	DW-754, D-754	5803-2	903-2, 803-2	WPBT, CPCBT	T-301	4714-B	705
WD84, CD84	DW-732, D-732	304, 5804	904, 804	WPFLC	WC-106	119	618
WD84-2, CD84-2	804-2	5804-2		WPFLF, BSFLF,CPFLF	WC-417	119-3, 4718-3	718-3
WD84-F	D-732C	5802-C	802-C	WPFLVALVE, CPFLVALVE	C-101F	704-F	
WD84-HF	D-732F	5804-S	802	WPT, CPT	WT-600, T-300	111, 4711	611, 711
WD85MJ, CD85MJ	D-736N	305-NH	805-N	WPT-2, CPT-2	WT-600F	111-2	611-2
WD86-2, CD86-2	DW-205, D-702F	306-2	906-2, 806-2	WPTEST	DW-798T	316-T	917B
WD86-45/, CD86-45/	DW-204, D-702	306	906, 806				
WD87-2, CD87-2	DW-203, D-700F	307-2	907-2, 807-2				
WD87LT	DW-700XLT	907LT-					
WD88, CD88							
WD89F, CD89F	D-730F	5816-S	816-S				
WD89P, CD89P	D-730	5816	816				
WDFESJ	DW-757	303-7	903-7, 803-7				
WDFSJ	WD-724F, D-724F	301-2-7	901-2-7, 801-2-7				
WDMSJ	DW-756	304-7	904-7, 804-7				
WDSJ	WD-724	301-7, 5801-7	901-7, 801-7				
WP0, WP0-RING	WC-400S, WC-400, WC-400R	100, 100R	600-DS, 600RS, 600				
WP02, CP12	WC-403, C-103	118	600-2, 701-2				
WP0D							
WP0-NSTOP	WC-400NS	101	601				
WP0E, CP1E	CE-100	110	702				
WP0-S							
WP16	WC-416	116	616, 716				
WP17, CP17	WC-415, C-115	117, 4717	617, 717				
WP24, WP24S	WS-1100	120	624				
WP3,BS3, CP3,	WC-102, C-102	103, 4703	603, 703				
WP3-2, BS3-2, CP3-2	WC-405, C-105	103-2, 4703-2	603-2, 703-2				
WP33, BS33, CP33							

Cello Products was founded in 1946 in Cambridge, Ontario as a manufacturer of cast brass solder fittings. Wrought copper solder fittings were added to the product line in the 1960's; today, Cello is 100% Canadian owned and produces an extensive line of wrought copper and cast brass solder fittings, in sizes ranging from 1/8" to 8". Cello manufactures five general types of solder fittings: Wrought Copper Pressure, Cast Brass Pressure, Wrought Copper Drainage, Cast Brass Drainage, and Cast Brass Flanges. Cast brass solder fittings are made for both soft solder joining systems and silver braze joining systems. Cello also manufactures a portion of its cast threaded brass product line and does custom casting for special order fittings not shown in this catalogue.

Our products are used in plumbing, heating and related mechanical applications. Cello produces fittings ranging in use from underground water and gas services to water distribution and air conditioning systems as well as drainage, waste and vent piping for use in residential, commercial, industrial and institutional applications.

Cello is the only full-line copper solder fittings manufacturer in Canada and is also one of only two full-line solder fittings manufacturers in North America.

Cello Products' fittings are made from the highest quality raw materials available. Modern production techniques are used to ensure consistency and quality in our fittings. Cello employs fully automatic computer numeric controlled (CNC) lathes in its operations, and a large quantity of finishing machines are controlled with programmable logic controllers. Certain pieces of equipment have been commissioned with state-of-the-art computer controlled multi-axis positional controllers. Qualified personnel inspect and test our products to ensure that only the finest quality products are shipped to our customers. Cello's care in the design and production of all our products is exemplified in both our cast brass and wrought copper fittings. Cello fittings are produced to meet requirements of all applicable standards wherever practicable. Our facility is ISO 9002 certified, and we are currently working toward ISO-9001:2000 certification which will be achieved December 2003. All pressure fittings manufactured by Cello Products have CRNs (Canadian Registration Numbers) in accordance with CSA B51-95 Boiler, Pressure Vessel and Pressure Piping Code.

All manufacturing is done in a 85,000 sq. ft. building located in Cambridge, Ontario which is ideally situated to serve the Canadian and United States' markets. Cello's products are shipped to our customers in North America from six warehouse locations to better serve our customers.

**WHERE TO ORDER:**

Cello Products' fittings are available only through wholesalers and distributors engaged in the distribution of flow products to the plumbing and heating industry. All orders are placed through our inside sales desks at 210 Avenue Road, P.O. Box 37, Cambridge, Ontario, N1R 5S9 either by mail, phone (1-519-621-9150, toll free 1-800-265-7882), fax (1-519-621-4108), or e-mail us at: cello@cello.on.ca

HOW TO ORDER:

State quantity, part number and size for each fitting you wish to order. See individual catalogue pages for specific product designations. Cello's part number contains a prefix indicating the fitting type and a suffix that identifies the size. Part numbers identifying the fitting type are listed in this catalogue with the part name and description. When ordering, identify the part number and add the size code after the hyphen. Size codes are based on 1/16 inch increments. Thus, a 1/8" fitting would have a size code of 02. A 1" fitting would be identified by size code 16, while a 2½" fitting is identified by the size code 40 (2.5 x 16).

DELAYS:

All orders are accepted under the understanding that we are not responsible for delays caused by circumstances beyond our control, such as fires, floods, accidents, strikes or delays by third party transportation.

WARRANTY:

Cello Products Inc. warrants that all fittings provided by it will be free from defects in materials and manufacture that will impair their utility, provided they are used intended. Any fitting that proves to be defective will be replaced or a credit issued but no labour charges, expenses or damages will be allowed.

DIMENSIONS:

We have included roughing-in dimensions in this catalogue. These dimensions are provided with the latest information available at time of publication and are for estimating purposes only.

PACKAGING:

Cello fittings are packaged in master cartons with easy to read, bar coded labels for ease of handling and identification. Box or bag quantities are shown in the catalogue next to each item.

NET WEIGHTS:

Approximate net weights in pounds are shown for each item in the catalogue to assist in estimating the weight of shipments to meet the terms for freight allowance (**freight prepaid for single shipments of 500 lbs or more**).

SIZES:

Unless otherwise specifically stated, all copper end sizes shown in this catalogue are nominal tube sizes. For those accustomed to dealing in outside diameter tube sizes, the nominal size of a fitting is always 1/8" less than the actual outside diameter size of the tube to be used with it. O.D. sizes are shown in some cases and are 1/8" larger than nominal.

RETURN GOODS:

A minimum 25% restocking charge will apply to all goods returned, not due to defects in materials, construction, or shipping errors. No returns will be accepted without prior authorization and all goods must be in resaleable condition.

SPECIAL CLEANING FOR OXYGEN SYSTEMS:

Degreasing of fittings to be used in oxygen systems is available.

SPECIAL END CUPS:

Cast Solder fittings used in silver brazed systems require special cup lengths which are available for all Cello cast fittings.

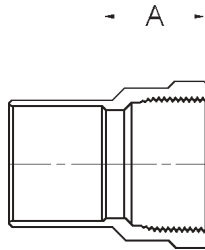
Cello Products Inc reserves the right to modify packaging and product design at any time. Information in this catalogue is correct to the best of our knowledge. Cello Products Inc. assumes no responsibility for any changes or errors. If there are any questions, please contact customer service.



ADAPTER - FEMALE

Copper x Female NPT

(Barstock - see page 31)



Cast Wrot **CP3-WP3-**

Mueller: WC-402 wrot
C-102 cast

Elkhart: 103 wrot
4703 cast

Nibco: 603 wrot
703 cast

C x F

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP3-02	1/8	50	1000	.02	7/16
WP3-04	1/4	50	1000	.03	15/32
WP3-06	3/8	50	500	.06	19/32
CP3-08	1/2	50	150	.13	7/8
WP3-08	1/2	50	500	.10	7/8
CP3-12	3/4	25	200	.23	23/32
WP3-12	3/4	25	250	.15	23/32
CP3-16	1	20	150	.32	31/32
WP3-16	1	10	200	.22	31/32
CP3-20	1 1/4	10	100	.43	1 - 3/32
WP3-20	1 1/4	10	100	.31	1 - 3/32
CP3-24	1 1/2	10	50	.45	1 - 5/32
WP3-24	1 1/2	10	100	.34	1 - 5/32
CP3-32	2	5	50	.89	1 - 5/32
WP3-32	2	5	50	.63	1 - 1/4
WP3-40	2 1/2	2	25	.86	1 - 1/4
CP3-48	3	2	5	2.23	1 - 1/2
WP3-48	3	-	5	1.42	1 - 1/2
CP3-56	3 1/2	-	-	4.09	2
CP3-64	4	2	4	4.22	2
CP3-80	5	1	1	9.76	2
CP3-96	6	1	1	9.22	2
WP3-02-04	1/8 X 1/4	50	1000	.05	1/2
WP3-04-02	1/4 X 1/8	50	1000	.02	11/32
WP3-04-06	1/4 X 3/8	50	500	.05	21/32
WP3-06-04	3/8 X 1/4	50	500	.04	15/32
WP3-06-08	3/8 X 1/2	50	500	.08	7/8
WP3-06-12	3/8 X 3/4	25	250	.09	--
WP3-08-04	1/2 X 1/4	50	500	.05	15/32
WP3-08-12	1/2 X 3/4	25	200	.13	29/32
WP3-10-08	5/8 X 1/2	25	250	.07	3/4
WP3-10-12	5/8 X 3/4	25	200	.10	1
WP3-12-08	3/4 X 1/2	25	250	.09	19/32
WP3-12-16	3/4 X 1	10	200	.23	1 - 7/32

ADAPTER - FEMALE (cont.)

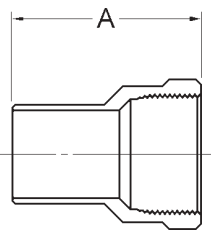
Copper x Female NPT

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP3-12-20	3/4 X 1 1/4	10	100	.31	1-7/32
WP3-12-24	3/4 X 1 1/2	10	100	.43	1 - 3/8
WP3-16-08	1 X 1/2	10	100	.23	11/16
WP3-16-12	1 X 3/4	25	250	.15	43/64
WP3-16-20	1 X 1 1/4	10	100	.30	1 - 7/32
WP3-16-24	1 X 1 1/2	10	100	.37	1 - 1/8
CP3-20-08	1 1/4 X 1/2	-	-	.25	1/2
WP3-20-12	1 1/4 x 3/4	10	100	.29	--
WP3-20-16	1 1/4 X 1	10	100	.21	55/64
WP3-20-24	1 1/4 X 1 1/2	10	100	.39	1 - 19/64
WP3-20-32	1 1/4 X 2	5	25	.63	--
CP3-24-12	1 1/2 X 3/4	-	-	.44	--
WP3-24-16	1 1/2 X 1	10	50	.53	--
WP3-24-20	1 1/2 X 1 1/4	10	-	.32	7/8
WP3-24-32	1 1/2 X 2	5	50	.25	1-7/16
WP3-32-16	2 X 1	5	25	.85	--
WP3-32-20	2 X 1 1/4	5	25	.86	--
WP3-32-24	2 X 1 1/2	5	50	.73	1 - 3/16

ADAPTER - FEMALE STREET

Fitting x Female NPT

(Barstock - see page 31)



Cast Wrot **CP3-2-WP3-2-**

Mueller: WC-405 wrot
C-105 cast

Elkhart: 103-2 wrot
4703-2 cast

Nibco: 603-2 wrot
703-2 cast

FTG x F

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP3-2-04	1/4	50	1000	.03	29/32
WP3-2-06	3/8	50	1000	.07	1-1/16
WP3-2-08	1/2	50	500	.10	1-3/8
WP3-2-12	3/4	25	250	.12	1-11/16
CP3-2-16	1 cast	20	200	.27	1-31/32
WP3-2-16	1	20	200	.22	1-31/32
CP3-2-20	1 1/4 cast	10	100		2-5/32
WP3-2-20	1 1/4	10	100	.32	2-5/32
WP3-2-24	1 1/2	10	100	.41	2-7/16
WP3-2-32	2	5	50	.63	2-19/32

PRESSURE FITTINGS Adapters

CELLO PRODUCTS INC



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ADAPTER - FEMALE STREET (cont.)

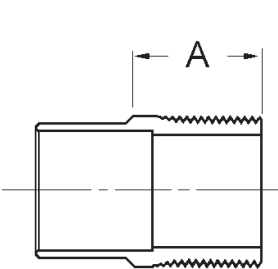
Fitting x Female NPT

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP3-2-40	2 1/2	2	25	.89	
WP3-2-48	3	2	-	1.57	
WP3-2-06-04	3/8 X 1/4	50	50	.03	
WP3-2-08-04	1/2 X 1/4	50	500	.04	1-1/4
WP3-2-08-06	1/2 X 3/8	50	500	.06	1-1/4
WP3-2-08-12	1/2 X 3/4	25	200	.12	1-7/16
CP3-2-12-08	3/4 X 1/2	25	250	.11	1-7/16
WP3-2-16-12	1 X 3/4	25	100	.17	1-7/16

ADAPTER - MALE

Copper x Male NPT

(Barstock - see page 31)



C x M

Cast Wrot	CP4-WP4-
Mueller:	WC-401 wrot C-101 cast
Elkhart:	104 wrot 4704 cast
Nibco:	604 wrot 704 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP4-02	1/8	50	1000	.02	13/32
WP4-04	1/4	50	500	.04	15/32
WP4-06	3/8	50	500	.05	7/8
CP4-08	1/2	50	500	.11	19/32
WP4-08	1/2	50	500	.07	19/32
CP4-12	3/4	25	250	.13	13/16
WP4-12	3/4	25	250	.12	13/16
CP4-16	1	20	150	.14	27/32
WP4-16	1	20	200	.19	27/32
CP4-20	1 1/4	10	100	.32	1-1/2
WP4-20	1 1/4	10	100	.28	1-1/2
CP4-24	1 1/2	10	100	.47	1-9/16
WP4-24	1 1/2	10	100	.31	1-9/16
CP4-32	2	5	50	.64	7/8
WP4-32	2	10	50	.51	7/8
CP4-40	2 1/2	4	10	1.10	1-1/8
WP4-40	2 1/2	5	10	.90	1-1/8
CP4-48	3	2	5	1.65	1-3/8
WP4-48	3	2	5	1.45	1-3/8
CP4-56	3 1/2	-	-	2.24	2
CP4-64	4	1	8	3.23	2
WP4-64	4	1	4	8.00	2
CP4-80	5	-	-	6.61	-
CP4-96	6	-	-	8.27	-
WP4-02-04	1/8 X 1/4	50	1000	.13	7/16
WP4-02-06	1/8 X 3/8	50	1000	.05	3/4
WP4-04-02	1/4 X 1/8	50	1000	.01	7/8
WP4-04-06	1/4 X 3/8	50	100	.07	5/8
WP4-04-08	1/4 X 1/2	50	200	.07	15/16
WP4-06-04	3/8 X 1/4	50	1000	.04	5/8
WP4-06-08	3/8 X 1/2	25	250	.07	3/4
WP4-06-12	3/8 x 3/4	25	250	.14	1-11/32
WP4-08-04	1/2 X 1/4	25	250	.04	13/16
WP4-08-06	1/2 X 3/8	50	250	.37	1-19/32
WP4-08-12	1/2 X 3/4	25	200	.13	3/4
WP4-08-16	1/2 X 1	10	100	.23	59/64

ADAPTER - FEMALE DROP EAR

Copper x Female

Cast CP3-5B-



C x F

Mueller:	-- cast
Elkhart:	4703-5 cast
Nibco:	703-5B cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
CP3-5B-08	1/2	25	150	.17	3/4

ADAPTER - FEMALE HI EAR

Copper x Female

Cast CP3-6-



C x F

Mueller:	--
Elkhart:	4703-5-1 cast
Nibco:	--

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
CP3-6-08	1/2	25	150	.20	----

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ADAPTER - MALE (cont.)

Copper x Male NPT

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP4-10-08	5/8 X 1/2	20	200	.06	1-31/64
WP4-10-12	5/8 X 3/4	25	250	.11	1-1/8
WP4-12-08	3/4 X 1/2	25	250	.09	1-1/4
WP4-12-16	3/4 X 1	10	250	.23	29/32
WP4-12-20	3/4 X 1 1/4	10	50	.47	1-3/32
WP4-12-24	3/4 X 1 1/2	10	50	.49	-
WP4-16-08	1 X 1/2	10	100	.18	1-21/32
CP4-16-12	1 X 3/4	25	100	.26	1-29/32
WP4-16-12	1 X 3/4	10	100	.13	1-29/32
WP4-16-20	1 X 1 1/4	10	100	.46	1-1/8
WP4-16-24	1 X 1 1/2	10	100	.52	1
WP4-16-32	1 X 2	5	50	.71	-
CP4-20-08	1 1/4 X 1/2	-	-	.31	1-1/4
WP4-20-12	1 1/4 X 3/4	10	100	.19	1-45/64
WP4-20-16	1 1/4 X 1	10	100	.23	1-3/8
WP4-20-24	1 1/4 X 1 1/2	10	100	.39	1-15/32
WP4-20-32	1 1/4 X 2	5	50	.73	1-27/64
CP4-24-12	1 1/2 X 3/4	-	-	.49	-
WP4-24-16	1 1/2 X 1	5	50	.35	1-25/32
WP4-24-20	1 1/2 X 1 1/4	10	100	.38	1-3/4
WP4-24-32	1 1/2 X 2	5	50	.78	1-5/8
WP4-32-20	2 X 1 1/4	5	50	.52	1-9/64
WP4-32-24	2 X 1 1/2	5	50	.59	1-5/8
WP4-32-40	2 X 2 1/2	5	50	1.16	-
WP4-40-32	2 1/2 X 2	5	10	.82	1-9/64

ADAPTER - MALE STREET (cont.)

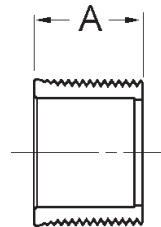
Fitting x Male NPT

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP4-2-12	3/4	25	250	.16	13/16
WP4-2-16	1	20	200	.20	27/32
WP4-2-20	1 1/4	10	100	.37	1-1/2
WP4-2-24	1 1/2	10	50	.49	1-9/16
WP4-2-32	2	5	50	.75	1-5/8
WP4-2-40	2 1/2	-	25	.97	-
WP4-2-48	3	-	5	2.15	-
WP4-2-64	4	-	-	-	-
WP4-2-08-06	1/2 X 3/8	50	500	.06	-
WP4-2-08-12	1/2 X 3/4	25	250	.19	-
WP4-2-12-08	3/4 X 1/2	25	250	.15	-
WP4-2-16-12	1 X 3/4	20	200	.19	-

ADAPTER - FLUSH VALVE

Copper x Male NPT

Cast CPFLVALVE-
Wrot WPFLVALVE-



C x M

Mueller: -- wrot
C-101F cast

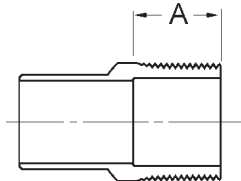
Elkhart: -- wrot
-- cast

Nibco: -- wrot
704-F cast

ADAPTER - MALE STREET

Fitting x Male NPT

Cast CP4-2
Wrot WP4-2



FTG x M

Mueller: WC-404 wrot
C-104 cast

Elkhart: 104-2 wrot
4704-2 cast

Nibco: 604-2 wrot
704-2 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP4-2-04	1/4	50	1000	.03	15/32
WP4-2-06	3/8	50	500	.05	7/8
WP4-2-08	1/2	50	250	.08	19/32

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WPFLVALVE-08	1/2	50	500	.03	5/8
WPFLVALVE-12	3/4	25	200	.08	3/4
CPFLVALVE-16	1	25	100	.15	3/4
WPFLVALVE-16	1	25	200	.16	3/4

ADAPTER - HOSE

Copper x Hose Thread

Wrot WP4HT-



C x Hose

Elkhart: -- wrot
4704-HT cast

Nibco: -- wrot
704-H cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP4HT-08-12	1/2 x 3/4	25	200	.17	

PRESSURE FITTINGS

Bushings

CELLO PRODUCTS INC

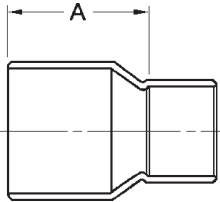


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BUSHING - FITTING REDUCERS

Fitting x Copper

Cast Wrot CP12-WP02-



Mueller: WC-403 wrot
C-103 cast

Elkhart: 118 wrot
-- cast

Nibco: 600-2 wrot
701-2 cast

FTG x C

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP02-04-02	1/4 X 1/8	50	1000	.01	1/2
WP02-06-02	3/8 X 1/8	50	1000	.01	5/8
WP02-06-04	3/8 X 1/4	50	1000	.02	17/32
WP02-08-04	1/2 X 1/4	100	1000	.02	5/8
WP02-08-06	1/2 X 3/8	100	1500	.02	11/16
WP02-10-04	5/8 X 1/4	25	500	.03	15/16
WP02-10-06	5/8 X 3/8	50	500	.03	29/32
WP02-10-08	5/8 X 1/2	50	500	.03	25/32
WP02-12-02	3/4 X 1/8	50	500	.04	--
WP02-12-04	3/4 X 1/4	50	500	.04	1-1/8
WP02-12-06	3/4 X 3/8	50	500	.06	1-1/16
WP02-12-08	3/4 X 1/2	50	500	.04	15/16
WP02-12-10	3/4 X 5/8	50	500	.06	15/16
WP02-16-06	1 X 3/8	25	200	.74	1-3/8
WP02-16-08	1 X 1/2	25	250	.09	1-1/4
WP02-16-10	1 X 5/8	25	250	.73	1-7/32
WP02-16-12	1 X 3/4	25	250	.09	1-1/16
WP02-20-08	1 1/4 X 1/2	10	100	.09	1-15/32
WP02-20-12	1 1/4 X 3/4	25	200	.11	1-3/8
WP02-20-16	1 1/4 X 1	25	200	.16	1-1/8
WP02-24-08	1 1/2 X 1/2	10	100	.18	1-7/8
WP02-24-12	1 1/2 X 3/4	10	100	.18	1-1/2
WP02-24-16	1 1/2 X 1	10	100	.28	1-1/2
WP02-24-20	1 1/2 X 1 1/4	10	100	.24	1-19/64
WP02-32-08	2 X 1/2	10	50	.34	2-7/16
WP02-32-12	2 X 3/4	10	50	.34	2-11/32
WP02-32-16	2 X 1	10	50	.33	2-1/8
WP02-32-20	2 X 1 1/4	10	50	.36	1-3/4
WP02-32-24	2 X 1 1/2	10	50	.40	1-3/4
WP02-40-16	2 1/2 X 1	5	50	.50	2-17/32
WP02-40-20	2 1/2 X 1 1/4	5	50	.54	2-1/8
WP02-40-24	2 1/2 X 1 1/2	5	50	.51	2-1/8
WP02-40-32	2 1/2 X 2	5	50	.59	1-5/16
WP02-48-08	3 X 1/2	2	25	.90	--
WP02-48-12	3 X 3/4	2	25	.87	--

BUSHING - FITTING REDUCERS (cont.)

Fitting x Copper

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP02-48-16	3 X 1	2	25	.81	--
WP02-48-20	3 X 1 1/4	2	25	.08	2-25/32
WP02-48-24	3 X 1 1/2	2	25	.80	2-11/16
WP02-48-32	3 X 2	2	25	.97	2-1/2
WP02-48-40	3 X 2 1/2	2	25	.93	2-3/32
WP02-56-32	3 1/2 X 2	1	10	1.47	2-51/64
WP02-56-40	3 1/2 X 2 1/2	1	10	1.33	2-7/16
WP02-56-48	3 1/2 X 3	1	5	1.35	2-1/4
WP02-64-20	4 X 1 1/4	1	10	2.12	--
WP02-64-24	4 X 1 1/2	1	10	2.09	--
WP02-64-32	4 X 2	1	10	1.87	3-17/32
WP02-64-40	4 X 2 1/2	1	10	1.90	3-7/32
WP02-64-48	4 X 3	1	10	1.99	2-15/16
WP02-64-56	4 X 3 1/2	2	32	1.97	2-23/32
CP12-80-48	5 X 3	1	4	3.20	3-13/16
WP02-80-48	5 X 3	1	1	2.98	3-13/16
CP12-80-64	5 X 4	1	4	3.39	3-11/32
WP02-80-64	5 X 4	1	1	3.23	3-11/32
WP02-96-32	6 X 2	1	6	4.98	5-7/32
WP02-96-40	6 X 2 1/2	1	6	4.48	5-1/32
CP12-96-48	6 X 3	1	2	5.49	4-23/32
WP02-96-48	6 X 3	1	6	4.68	4-23/32
CP12-96-64	6 X 4	1	2	6.65	4-3/8
WP02-96-64	6 X 4	1	6	5.03	4-3/8
CP12-96-80	6 X 5	1	2	6.88	3-7/8
WP02-96-80	6 X 5	1	6	5.56	3-7/8
CP12-99-64	8 X 4	1	1	17.25	6-3/32
WP02-99-64	8 X 4	1	1	17.25	6-3/32
CP12-99-96	8 X 6	1	1	11.33	5-7/32
WP02-99-96	8 X 6	1	1	11.33	5-7/32

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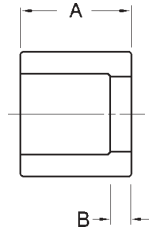


PRESSURE FITTINGS
Bushing /Caps (tube end)

BUSHING - FLUSH

Fitting x Copper

Wrot WPFLC-



FTG x C

Mueller: WC-106 wrot
-- cast

Elkhart: 119 wrot
-- cast

Nibco: 618 wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
WPFLC-04-02	1/4 X 1/8	50	1000	.01	3/8	1/16
WPFLC-06-04	3/8 X 1/4	50	1000	.01	3/8	1/16
WPFLC-08-04	1/2 X 1/4	50	1000	.04	1/2	3/16
WPFLC-08-06	1/2 X 3/8	50	1000	.02	9/16	1/8
WPFLC-10-04	5/8 X 1/4	25	500	.07	--	--
WPFLC-10-06	5/8 X 3/8	25	500	.06	--	--
WPFLC-12-08	3/4 X 1/2	50	500	.15	13/16	1/4
WPFLC-16-08	1 X 1/2	25	200	.22	29/32	13/32
WPFLC-16-12	1 X 3/4	25	200	.13	31/32	3/32
WPFLC-20-12	1 1/4 X 3/4	25	200	.29	1-3/64	1/8
WPFLC-20-16	1 1/4 X 1	25	200	.16	1-1/32	1/32
WPFLC-24-16	1 1/2 X 1	25	200	.41	--	--
WPFLC-24-20	1 1/2 X 1 1/4	25	200	.21	1-5/32	1/8
WPFLC-32-24	2 X 1 1/2	5	50	.68	1-13/32	1/4

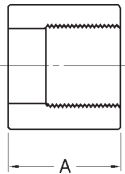
BUSHING - FLUSH

Fitting x Female

(Barstock - see page 31)

Cast Wrot Barstock

CPFLF - WPFLF - BSFLF -



FTG x FE

Mueller: WC-417 wrot
-- cast

Elkhart: 119-3 wrot
4718-3 cast

Nibco: -- wrot
718-3 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
BSFLF-08-02	1/2 X 1/8	100	1000	.03	9/16
BSFLF-08-04	1/2 X 1/4	100	1800	.02	9/16
BSFLF-12-02	3/4 X 1/8	25	300	.13	13/16
BSFLF-12-06	3/4 X 3/8	50	500	.05	13/16
CPFLF-16-08	1 X 1/2	25	200	.14	31/32
WPFLF-16-08	1 X 1/2	25	200	.14	31/32

BUSHING - FLUSH (cont.)

Fitting x Female

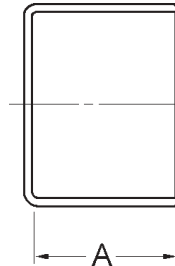
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
BSFLF-20-08	1 1/4 X 1/2	5	--	.32	1-1/32
WPFLF-20-12	1 1/4 X 3/4	25	100	.26	1-1/32
WPFLF-20-16	1 1/4 X 1	10	100	.13	1-1/32
WPFLF-24-16	1 1/2 X 1	10	100	.41	1-5/32

CAP

Tube End Cap

Cast Wrot

CP17 - WP17-



Mueller: WC-415 wrot
C-115 cast

Elkhart: 117 wrot
4717 cast

Nibco: 617 wrot
717 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP17-02	1/8	50	1000	.003	.25
WP17-04	1/4	100	2000	.01	.31
WP17-06	3/8	50	1000	.01	.38
WP17-08	1/2	100	2500	.02	.50
WP17-10	5/8	25	500	.03	.62
WP17-12	3/4	50	1000	.04	.75
WP17-16	1	50	500	.07	.91
WP17-20	1 1/4	25	250	.11	.97
WP17-24	1 1/2	10	200	.16	1.09
WP17-32	2	10	100	.30	1.34
WP17-40	2 1/2	5	50	.47	1.47
WP17-48	3	5	25	.71	1.66
WP17-56	3 1/2	1	10	.73	1.91
WP17-64	4	1	10	1.51	2.16
CP17-80	5	1	2	6.05	2.66
CP17-96	6	1	2	8.13	3.09
CP17-99	8	1	1	22.21	3.97

PRESSURE FITTINGS

Coupling

CELLO PRODUCTS INC



1-800-265-7882

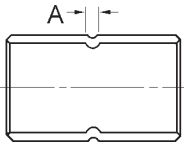
COUPLINGS

Copper x Copper

Cast
Wrot
*Wrot

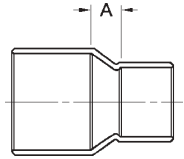
CP1 -
WP0-
WP0-RING

* ring couplings available in sizes 1/4 thru 4". Dimple stops will be shipped unless specified.



Mueller: WC-400S wrot (dimple)
WC-400 wrot (ring)
WC-400R wrot (reducing)
-- cast

Elkhart: 100 wrot
101-R wrot (reducing)
4701 cast
4701-R cast (reducing)



Nibco: 600-DS wrot (dimple)
600-RS wrot (ring)
600 wrot (reducing)
-- cast

C x C

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP0-02	1/8	100	2000	.01	1/16
WP0-04	1/4	100	1500	.01	1/16
WP0-06	3/8	100	1000	.01	1/16
WP0-08	1/2	100	1000	.02	1/16
WP0-10	5/8	50	500	.04	1/16
WP0-12	3/4	50	500	.05	1/16
WP0-16	1	25	250	.10	1/16
WP0-20	1 1/4	25	200	.14	1/16
WP0-24	1 1/2	10	100	.22	1/16
WP0-32	2	5	50	.39	3/32
WP0-40	2 1/2	5	30	.58	3/32
WP0-48	3 (ring only)	5	30	.91	3/32
WP0-56	3 1/2	1	24	1.41	1/8
WP0-64	4 (ring only)	2	16	1.92	5/32
WP0-80	5 (dimple only)	1	4	3.32	5/32
WP0-96	6 (dimple only)	1	1	5.58	5/32
WP0-99	8 (dimple only)	1	1	14.00	1/8
WP0-04-02	1/4 X 1/8	50	500	.01	5/32
WP0-06-02	3/8 X 1/8	25	500	.02	1/4
WP0-06-04	3/8 X 1/4	50	500	.01	3/16
WP0-08-02	1/2 X 1/8	50	500	.02	23/64
WP0-08-04	1/2 X 1/4	100	1000	.02	1/4
WP0-08-06	1/2 X 3/8	100	1500	.03	5/32
WP0-10-04	5/8 X 1/4	25	500	.03	5/16
WP0-10-06	5/8 X 3/8	50	300	.03	7/32
WP0-10-08	5/8 X 1/2	25	500	.03	5/32
WP0-12-04	3/4 X 1/4	25	250	.04	7/16
WP0-12-06	3/4 X 3/8	50	250	.06	21/64
WP0-12-08	3/4 X 1/2	50	500	.05	3/16
WP0-12-10	3/4 X 5/8	50	500	.06	3/16
WP0-16-06	1 X 3/8	10	100	.08	1/2

COUPLINGS (cont.)

Copper x Copper

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP0-16-08	1 X 1/2	25	250	.08	7/16
WP0-16-10	1 X 5/8	25	250	.12	3/8
WP0-16-12	1 X 3/4	25	250	.10	13/32
WP0-20-08	1 1/4 X 1/2	10	100	.13	41/64
WP0-20-12	1 1/4 X 3/4	10	200	.13	15/32
WP0-20-16	1 1/4 X 1	25	200	.16	5/16
WP0-24-08	1 1/2 X 1/2	10	100	.22	25/32
WP0-24-12	1 1/2 X 3/4	25	150	.19	21/32
WP0-24-16	1 1/2 X 1	10	100	.30	7/16
WP0-24-20	1 1/2 X 1 1/4	10	100	.23	11/32
WP0-32-08	2 X 1/2	10	50	.42	1-1/8
WP0-32-12	2 X 3/4	10	50	.40	1
WP0-32-16	2 X 1	10	50	.37	11/16
WP0-32-20	2 X 1 1/4	10	50	.41	1/2
WP0-32-24	2 X 1 1/2	10	50	.42	7/16
WP0-40-12	2 1/2 X 3/4	5	50	.64	--
WP0-40-16	2 1/2 X 1	5	50	.63	1-1/8
WP0-40-20	2 1/2 X 1 1/4	5	50	.60	15/16
WP0-40-24	2 1/2 X 1 1/2	5	50	.62	7/8
WP0-40-32	2 1/2 X 2	5	50	.61	3/8
WP0-48-12	3 X 3/4	2	25	1.05	--
WP0-48-16	3 X 1	2	25	1.04	--
WP0-48-20	3 X 1 1/4	5	25	.96	1-5/32
WP0-48-24	3 X 1 1/2	2	25	.94	1-5/32
WP0-48-32	3 X 2	2	25	1.03	13/16
WP0-48-40	3 X 2 1/2	2	25	.92	1/2
WP0-56-48	3 1/2 X 3	1	16	1.64	1/2
WP0-64-20	4 X 1 1/4	2	--	2.16	--
WP0-64-24	4 X 1 1/2	2	10	2.12	--
WP0-64-32	4 X 2	2	10	1.97	1-1/2
WP0-64-40	4 X 2 1/2	2	10	1.86	1-1/8
WP0-64-48	4 X 3	2	10	2.29	7/8
WP0-64-56	4 X 3 1/2	2	10	2.26	17/32
CP1-80-48	5 X 3	--	--	3.67	1-3/16
WP0-80-48	5 X 3	1	4	3.13	1-3/16
CP1-80-64	5 X 4	--	--	3.76	25/32
WP0-80-64	5 X 4	1	4	3.44	25/32
CP1-96-32	6 X 2	--	--	4.66	2-3/16
WP0-96-32	6 X 2	1	1	4.90	2-3/16
WP0-96-40	6 X 2 1/2	1	1	5.05	2-1/16
CP1-96-48	6 X 3	--	--	5.42	1-11/16
CP1-96-64	6 X 4	--	--	5.89	1-3/16
WP0-96-64	6 X 4	1	1	5.26	1-3/16
CP1-96-80	6 X 5	--	--	9.44	1-3/16
WP0-96-80	6 X 5	1	1	5.53	1-3/16
WP0-99-64	8 X 4	1	1	--	2-1/4
CP1-99-96	8 X 6	1	1	13.07	3/4
WP0-99-96	8 X 6	1	1	13.07	3/4

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COUPLING - OD SIZES

Copper x Copper		Wrot		WPOD-	
Item No.	OD Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	
WPOD-02	1/8 OD	50	1000	.01	
WPOD-03	3/16 OD	50	1000	.01	
WPOD-05	5/16 OD	50	1000	.01	
WPOD-04-03	1/4 OD X 3/16 OD	50	1000	.01	
WPOD-06-05	3/8 OD X 5/16 OD	50	1000	.02	

COUPLING - CROSSOVER

Copper x Copper		Cast Wrot		CP36-WP36-	
		Mueller: WC-412 wrot -- cast			
		Elkhart: -- wrot -- cast			
		Nibco: -- wrot 736 cast			
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP36-08	1/2	5	100	.10	1-19/64
CP36-12	3/4	5	--	.62	1-23/32
CP36-16	1	5	--	--	

COUPLING - ECCENTRIC

Copper x Copper		Cast Wrot		CP1E-WP0E-	
		Mueller: -- wrot CE-100 cast			
		Elkhart: 110 wrot -- cast			
		Nibco: -- wrot 702 cast			
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
CP1E-12-08	3/4 X 1/2	10	150	.06	3/8
CP1E-16-08	1 X 1/2	25	100	.25	1/16
CP1E-16-12	1 X 3/4	25	100	.18	13/32
CP1E-20-08	1 1/4 X 1/2	25	100	.25	1/16
WP0E-20-12	1 1/4 X 3/4	10	150	.23	5/8
WP0E-20-16	1 1/4 X 1	10	100	.23	5/16
CP1E-24-16	1 1/2 X 1	10	100	.40	--
CP1E-24-20	1 1/2 X 1 1/4	10	100	.43	1/16
CP1E-32-20	2 X 1 1/4	10	25	.52	1/8
CP1E-32-24	2 X 1 1/2	10	50	1.33	3/32
CP1E-40-32	2 1/2 X 2	1	1	1.41	7/8
CP1E-48-32	3 X 2	1	1	1.78	3/16
CP1E-48-40	3 X 2 1/2	1	1	1.78	1/4

COUPLING - ECCENTRIC

Copper x Female		Cast		CP3E-	
		Mueller: -- wrot -- cast			
		Elkhart: -- wrot -- cast			
		Nibco: -- wrot -- cast			
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
CP3E-16-12	1 X 3/4	--	--	.27	13/32
CP3E-20-08	1 1/4 X 1/2	--	--	.26	3/4
CP3E-20-12	1 1/4 X 3/4	--	--	.30	3/4
CP3E-20-16	1 1/4 X 1	--	--	.45	--
CP3E-24-12	1 1/2 X 3/4	--	--	.42	--

COUPLING - JET DRAIN

Copper x Copper		Cast		CP1D-	
		Mueller: CD-100 cast			
		Elkhart: 4175 cast			
		Nibco: 701D cast			
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	
CP1D-08	1/2	50	250	.08	
CP1D-12	3/4	25	250	.20	
CP1D-16	1	10	100	.28	

COUPLING - BOILER RETURN

Copper x Male x Female (Boiler Coupling)		Cast		CP46-BOILER	
		Mueller: -- wrot -- cast			
		Elkhart: -- wrot -- cast			
		Nibco: -- wrot -- cast			
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	
CP46- BOILER	1/2 X 1 X 1/2	25	200	.30	

PRESSURE FITTINGS Coupling / Cross / Elbow

CELLO PRODUCTS INC



1-800-265-7882

COUPLING - LONG REPAIR (SLIDE)

Fitting x Copper Wrot WP0-S-



FTG x C

Mueller: -- wrot
-- cast

Elkhart: -- wrot
-- cast

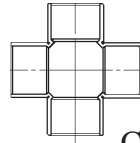
Nibco: -- wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP0-S-08	1/2 x 3-1/4 long	5	--	.19	--
WP0-S-12	3/4 x 5 long	5	--	--	--

CROSS

Copper x Copper x Copper x Copper

Cast CP35-



C x C x C x C

Mueller: -- wrot
T-312 cast

Elkhart: -- wrot
4735 cast

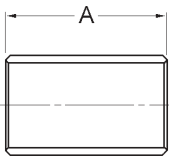
Nibco: -- wrot
735 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP35-08	1/2	25	100	.20
CP35-12	3/4	10	100	.36
CP35-16	1	1	25	.56
CP35-20	1 1/4	1	25	.80
CP35-24	1 1/2	1	10	1.05
CP35-32	2	1	4	1.98

COUPLING - NO STOP

Copper x Copper
without stop

Wrot WP0-NSTOP



C x C

Mueller: WC-400NS wrot
-- cast

Elkhart: 101 wrot
-- cast

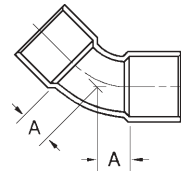
Nibco: 601 wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP0-NSTOP-02	1/8	50	2000	.01	11/16
WP0-NSTOP-04	1/4	50	1500	.01	11/16
WP0-NSTOP-06	3/8	100	1000	.01	13/16
WP0-NSTOP-08	1/2	100	1000	.02	1-1/8
WP0-NSTOP-10	5/8	100	500	.04	--
WP0-NSTOP-12	3/4	50	500	.05	1-5/8
WP0-NSTOP-16	1	25	250	.11	1-29/32
WP0-NSTOP-20	1 1/4	25	200	.15	2-5/16
WP0-NSTOP-24	1 1/2	10	100	.22	2-17/64
WP0-NSTOP-32	2	5	50	.39	2-23/32
WP0-NSTOP-40	2 1/2	5	30	.62	3-1/16
WP0-NSTOP-48	3	5	30	.97	3-13/32
WP0-NSTOP-56	3 1/2	1	24	1.40	3-15/16
WP0-NSTOP-64	4	2	16	1.96	4-7/16
WP0-NSTOP-80	5	1	5	3.20	5-15/32
WP0-NSTOP-96	6	1	1	5.56	6-3/8

45° ELBOW

Copper x Copper

Cast Wrot CP6-WP6-



C x C

Mueller: WE-504 wrot
E-204 cast

Elkhart: 106 wrot
-- cast

Nibco: 606 wrot
706 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP6-02	1/8	50	1000	.01	1/8
WP6-04	1/4	50	1000	.01	15/64
WP6-06	3/8	50	1000	.02	1/4
WP6-08	1/2	100	1000	.03	1/4
WP6-10	5/8	25	250	.05	7/16
WP6-12	3/4	50	500	.08	5/16
WP6-16	1	10	250	.15	5/16
WP6-20	1 1/4	10	100	.23	7/16
WP6-24	1 1/2	20	100	.30	9/16
WP6-32	2	10	50	.56	11/16
WP6-40	2 1/2	5	25	.94	7/8
WP6-48	3	3	24	1.01	63/64
WP6-56	3 1/2	1	16	3.46	1-5/32
WP6-64	4	1	8	3.31	1-11/64
CP6-80	5	1	6	6.55	1-13/32
WP6-80	5	1	6	6.89	1-13/32
CP6-96	6	1	1	14.15	1-11/16
WP6-96	6	1	1	9.57	1-11/16
WP6-99	8	1	1	29.00	2-1/4

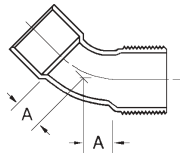
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45° ELBOW - MALE

Copper x Male

Cast CP6-4



C x M

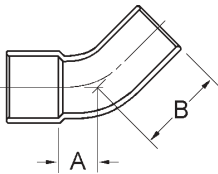
Mueller: -- wrot
-- cast
Elkhart: -- wrot
-- cast
Nibco: -- wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
CP6-4-08	1/2	25	100	.10	3/16	1
CP6-4-12	3/4	25	25	.18	3/8	1-1/8
CP6-4-16	1	10	10	.39	1/2	1-1/4
CP6-4-20	1-1/4	10	25	.54	1/2	1-1/2

45° ELBOW - STREET

Fitting x Copper

Wrot WP6-2



FTG x C

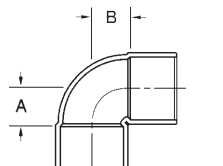
Mueller: WE-505 wrot
-- cast
Elkhart: 106-2 wrot
-- cast
Nibco: 606-2 wrot
706-2 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
WP6-2-04	1/4	50	1000	.01	15/64	41/64
WP6-2-06	3/8	50	1000	.02	9/32	23/32
WP6-2-08	1/2	100	1000	.03	7/16	7/8
WP6-2-10	5/8	25	250	.06	27/64	1-1/16
WP6-2-12	3/4	50	500	.08	5/8	1-1/8
WP6-2-16	1	10	250	.15	3/16	1-1/2
WP6-2-20	1 1/4	10	100	.24	5/8	1-9/16
WP6-2-24	1 1/2	20	100	.31	3/4	1-9/16
WP6-2-32	2	10	50	.64	13/16	2-1/2
WP6-2-40	2 1/2	5	40	.96	29/32	2-7/16
WP6-2-48	3	3	24	1.95	1	2-11/16
WP6-2-64	4	1	8	4.32	1-9/32	3-1/2

90° ELBOW - (SHORT RADIUS)

Copper x Copper

Cast Wrot CP7-WP7-



C x C

Mueller: WE-500 wrot
E-200 cast
Elkhart: 107-C wrot
4707 cast
Nibco: 607 wrot
707 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
WP7-02	1/8	50	1000	.01	1/4	1/4
WP7-04	1/4	100	1000	.01	3/8	3/8
WP7-06	3/8	100	1000	.03	21/64	21/64
WP7-08	1/2	100	1000	.05	5/16	5/16
WP7-10	5/8	50	500	.04	17/32	17/32
WP7-12	3/4	50	500	.06	9/16	9/16
WP7-16	1	10	250	.09	5/8	5/8
WP7-20	1-1/4	10	100	.16	7/8	7/8
WP7-24	1-1/2	10	50	.27	1	1
WP7-32	2	10	25	.71	1-1/8	1-1/8
WP7-40	2-1/2	5	25	1.20	1-3/8	1-3/8
WP7-48	3	3	24	1.89	1-61/64	1-61/64
WP7-56	3-1/2	1	8	2.72	2-7/32	2-7/32
WP7-64	4	1	8	4.37	2-17/32	2-17/32
CP7-80	5	--	--	10.49	3-1/18	3-1/18
WP7-80	5	1	1	7.22	3-1/18	3-1/18
CP7-96	6	--	--	17.00	3-13/16	3-13/16
WP7-96	6	1	1	14.86	3-13/16	3-13/16
WP7-99	8	1	1	38.00	5-1/8	5-1/8
WP7-04-02	1/4 X 1/8	100	1000	.01	19/32	15/32
WP7-06-04	3/8 X 1/4	50	1000	.03	41/64	39/64
WP7-08-04	1/2 X 1/4	50	500	.04	11/16	5/8
WP7-08-06	1/2 X 3/8	50	500	.05	7/16	3/8
WP7-10-08	5/8 X 1/2	50	500	.06	31/32	7/8
WP7-12-08	3/4 X 1/2	50	500	.08	11/16	9/16
WP7-16-08	1 X 1/2	25	250	.18	1-1/8	7/8
WP7-16-12	1 X 3/4	25	200	.15	3/4	19/32
CP7-20-08	1 1/4 X 1/2	10	100	.28	2-5/32	1-3/8
CP7-20-12	1 1/4 X 3/4	5	25	.44	5/8	1-1/16
WP7-20-16	1 1/4 X 1	10	100	.24	7/8	1-15/32
CP7-24-08	1 1/2 X 1/2	10	100	.41	--	--
CP7-24-12	1 1/2 X 3/4	5	25	.66	5/8	1
CP7-24-16	1 1/2 X 1	5	25	.75	3/4	13/16
WP7-24-20	1 1/2 X 1 1/4	10	100	.35	1-9/64	55/64
CP7-32-12	2 X 3/4	5	40	.96	--	--
CP7-32-16	2 X 1	5	40	1.07	3/4	1-1/4
CP7-32-20	2 X 1 1/4	5	40	.88	2-1/2	2-1/8
WP7-32-24	2 X 1 1/2	5	40	.60	1-9/16	1-13/64
WP7-40-32	2 1/2 X 2	5	1	1.12	1-7/8	1-1/2
WP7-48-40	3 X 2 1/2	1	8	1.6	2-3/32	1-3/4

PRESSURE FITTINGS

Elbow

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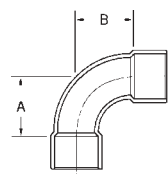


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90° ELBOW - (LONG TURN)

Copper x Copper

Wrot WP7LT-



C x C

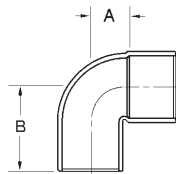
Mueller: WE-500L wrot
-- cast
Elkhart: 107-L wrot
-- cast
Nibco: 607LT wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
WP7LT-02	1/8	50	1000	.01	1/2	1/2
WP7LT-04	1/4	50	1000	.02	3/4	3/4
WP7LT-05	5/16 OD	50	--	.01	--	--
WP7LT-06	3/8	50	500	.04	3/4	3/4
WP7LT-08	1/2	50	500	.06	7/8	7/8
WP7LT-10	5/8	25	250	.08	1-1/8	1-1/8
WP7LT-12	3/4	25	250	.12	1-3/16	1-3/16
WP7LT-16	1	10	100	.28	1-1/2	1-1/2
WP7LT-20	1-1/4	10	80	.34	1-7/8	1-7/8
WP7LT-24	1-1/2	10	80	.58	2-3/16	2-3/16
WP7LT-32	2	5	30	1.21	3	3
WP7LT-40	2-1/2	1	10	1.97	3-3/4	3-3/4
WP7LT-48	3	1	8	3.25	4-5/8	4-5/8
WP7LT-56	3-1/2	1	1	5.57	4-29/32	4-29/32
WP7LT-64	4	1	1	7.07	5-7/8	5-7/8
WP7LT-06-04	3/8 X 1/4	50	1000	.03	41/64	39/64
WP7LT-08-06	1/2 X 3/8	50	500	.06	3/4	11/16
WP7LT-10-08	5/8 X 1/2	25	250	.08	31/32	7/8
WP7LT-12-08	3/4 X 1/2	50	500	.10	7/8	7/8
WP7LT-16-08	1 X 1/2	25	250	.14	1-1/8	7/8
WP7LT-16-12	1 X 3/4	25	250	.17	1-1/4	1-9/64
WP7LT-20-08	1 1/4 X 1/2	10	100	.35	1-15/32	1-13/32
WP7LT-20-12	1 1/4 X 3/4	10	100	.35	1-5/16	1-3/16
WP7LT-20-16	1 1/4 X 1	10	100	.32	1-5/8	1-15/32
WP7LT-24-16	1 1/2 X 1	5	50	.35	1-37/64	1-13/32
WP7LT-24-20	1 1/2 X 1 1/4	5	50	.48	1-59/64	1-7/8
WP7LT-32-20	2 X 1 1/4	2	20	.94	2-1/2	2-1/8

90° ELBOW - STREET (Short Radius)

Fitting x Copper

Wrot WP7-2-



FTG x C

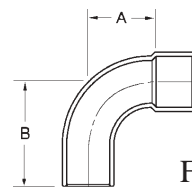
Mueller: WE-503 wrot
-- cast
Elkhart: 107-C-2 wrot
-- cast
Nibco: 607-2 wrot
707-2 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
WP7-2-02	1/8	50	200	.02	1/4	5/8
WP7-2-04	1/4	50	200	.02	3/8	3/4
WP7-2-06	3/8	50	200	.03	21/64	49/64
WP7-2-08	1/2	50	200	.06	7/16	1
WP7-2-10	5/8	25	250	.06	17/32	1-7/32
WP7-2-12	3/4	50	500	.12	5/8	1-5/8
WP7-2-16	1	10	250	.16	21/32	1-21/32
WP7-2-20	1-1/4	10	100	.26	15/16	2-7/32
WP7-2-24	1-1/2	20	50	.38	1-1/8	2-19/32
WP7-2-32	2	10	25	1.19	1-1/8	3-3/16
WP7-2-40	2-1/2	5	25	1.90	1-1/2	3-1/2
WP7-2-48	3	3	24	1.99	2	3-25/32
WP7-2-64	4	1	8	4.26	2-19/32	4-13/16

90° ELBOW - STREET (Long Turn)

Fitting x Copper

Wrot WP7LT-2-



FTG x C

Mueller: WE-503L wrot
-- cast
Elkhart: 107-L-2 wrot
-- cast
Nibco: 607-2-LT wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
WP7LT-2-02	1/8	50	1000	.01	1/2	7/8
WP7LT-2-04	1/4	50	1000	.02	3/4	1-1/8
WP7LT-2-06	3/8	50	1000	.03	3/4	1-3/16
WP7LT-2-08	1/2	50	500	.06	7/8	1-7/16
WP7LT-2-10	5/8	25	250	.08	1-1/8	1-13/16
WP7LT-2-12	3/4	25	250	.13	1-5/32	2
WP7LT-2-16	1	10	250	.27	1-3/8	2-3/8
WP7LT-2-20	1-1/4	10	80	.38	1-7/8	2-29/32
WP7LT-2-24	1-1/2	10	80	.58	2-3/16	3-5/16
WP7LT-2-32	2	5	30	1.19	2-31/32	4-3/8
WP7LT-2-40	2-1/2	1	10	1.90	3-3/4	5-9/32
WP7LT-2-48	3	1	8	3.31	4-5/8	6-11/32
WP7LT-2-56	3-1/2	1	1	--	4	5-31/32
WP7LT-2-64	4	1	1	--	4-29/64	6-23/32

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**90° ELBOW - FTG X FTG
(Short Radius)**

Fitting x Fitting Wrot WP7-2-2-



Ftg x Ftg

Mueller: WE-506 wrot
-- cast
Elkhart: 105-C wrot
-- cast
Nibco: 607-2-2 wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WP7-2-2-04	1/4	25	500	--
WP7-2-2-06	3/8	25	500	--
WP7-2-2-08	1/2	25	250	.04
WP7-2-2-10	5/8	10	200	.07
WP7-2-2-12	3/4	25	250	.09
WP7-2-2-16	1	10	100	.16
WP7-2-2-20	1-1/4	5	50	.26
WP7-2-2-24	1-1/2	5	50	.46
WP7-2-2-32	2	5	50	.85
WP7-2-2-40	2-1/2	1	--	2.10
WP7-2-2-48	3	1	--	2.12

**90° ELBOW - FTG X FTG
(Long Turn)**

Fitting x Fitting Wrot WP7LT-2-2-



Ftg x Ftg

Mueller: WE-506LT wrot
Elkhart: 105-L wrot
Nibco: 607-2-2-LT wrot

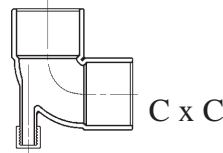
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WP7LT-2-2-04	1/4	50	1000	.02
WP7LT-2-2-06	3/8	25	500	.03
WP7LT-2-2-08	1/2	25	250	.06
WP7LT-2-2-10	5/8	25	250	.08
WP7LT-2-2-12	3/4	25	250	.13
WP7LT-2-2-16	1	10	100	.27
WP7LT-2-2-20	1-1/4	5	50	.38
WP7LT-2-2-24	1-1/2	5	50	.57
WP7LT-2-2-32	2	5	50	1.16

**PRESSURE FITTINGS
Elbow**

90° ELBOW - W/ DRAIN

Copper x Copper

Wrot WP7D-



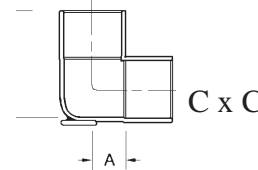
Mueller: -- wrot
E-200D cast
Elkhart: -- wrot
4236 cast
Nibco: -- wrot
705-D cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WP7D-08	1/2	50	150	.08
WP7D-12	3/4	25	200	.15
WP7D-16	1	10	100	.31

90° ELBOW - DROP EAR

Copper x Copper

Cast CP75-



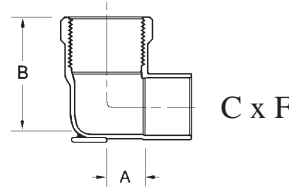
Mueller: -- wrot
E-210 cast
Elkhart: 107-C-5 wrot
4707-5 cast
Nibco: -- wrot
707-5 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
CP75-08	1/2	25	300	.15	3/8
CP75-12	3/4	25	150	.22	7/16
CP75-16	1	5	30	.52	3/4

90° ELBOW - DROP EAR

Copper x Female

Cast CP735-



Mueller: E-211 cast
Elkhart: 4707-3-5 cast
Nibco: 707-3-5 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
CP735I-08	1/2	25	300	.20	1/2	3/4
CP735-12	3/4	25	150	.32	11/16	7/8
CP735-16	1	5	25	.72	3/4	1-3/8
CP735-08-06	1/2 X 3/8	25	125	.17	1/2	27/32
CP735-08-12	1/2 X 3/4	25	150	.34	5/8	27/32
CP735-12-08	3/4 X 1/2	25	50	.25	5/8	1-3/32

PRESSURE FITTINGS Elbow

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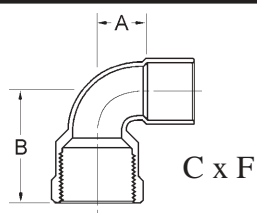


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90° ELBOW - FEMALE

Copper x Female

Cast CP7-3-



Mueller: -- wrot
E-202 cast

Elkhart: 108 wrot
4707-3 cast

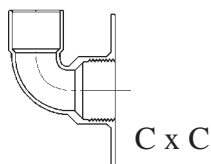
Nibco: -- wrot
707-3 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
CP7-3-04	1/4	50	200	.06	7/16	9/16
CP7-3-06	3/8	50	200	.12	7/16	11/16
CP7-3-08	1/2	25	200	.16	9/16	3/4
CP7-3-12	3/4	25	200	.26	9/16	1-1/32
CP7-3-16	1	10	50	.48	7/8	1-21/32
CP7-3-20	1-1/4	5	75	.61	13/16	1-3/4
CP7-3-24	1-1/2	5	50	.86	1-1/16	2-1/16
CP7-3-32	2	--	--	1.70	1-1/16	2-17/32
CP7-3-48	3	--	--	4.09	2	3-5/16
CP7-3-06-08	3/8 X 1/2	50	200	.13	9/16	13/16
CP7-3-08-04	1/2 X 1/4	50	200	.10	5/16	1
CP7-3-08-06	1/2 X 3/8	50	200	.11	13/32	1
CP7-3-08-12	1/2 X 3/4	25	250	.20	21/32	3/4
CP7-3-08-16	1/2 X 1	10	100	.36	11/16	1-3/8
CP7-3-12-08	3/4 X 1/2	25	200	.21	1/2	1-1/16
CP7-3-12-16	3/4 X 1	25	100	.50	3/4	1-17/32
CP7-3-16-08	1 X 1/2	10	50	.39	3/8	1-7/16
CP7-3-16-12	1 X 3/4	10	50	.48	9/16	1-3/8
CP7-3-20-08	1 1/4 X 1/2	5	40	.59	--	--
CP7-3-20-12	1 1/4 X 3/4	5	40	.49	3/4	19/32
CP7-3-20-16	1 1/4 X 1	5	50	.78	11/16	1-13/16
CP7-3-24-16	1 1/2 X 1	1	--	.74	--	--

90° ELBOW - FLANGE SINK

Copper x Copper

Cast CP738-



Mueller: -- wrot
E-215 cast

Elkhart: -- wrot
4708 cast

Nibco: -- wrot
708 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP738-0	1/2	25	100	.27

90° ELBOW - HI EAR

Copper x Copper

Cast CP76-



Mueller: -- wrot
E-210HE cast

Elkhart: 107-C-5-1 wrot
4707-5-1 cast

Nibco: -- wrot
707-5-A cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP76-08	1/2	40	100	.14

90° ELBOW - HI EAR

Copper x Female

Cast CP736-



Mueller: -- wrot
E-211HE cast

Elkhart: -- wrot
4707-5-3 cast

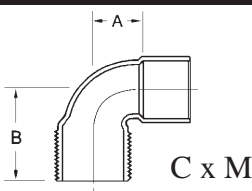
Nibco: -- wrot
707-3-5-A cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP736-08	1/2	25	100	.23
CP736-12	3/4	25	150	.27

90° ELBOW - MALE

Copper x Male

Cast CP74-



Mueller: -- wrot
E-201 cast

Elkhart: -- wrot
4707-4 cast

Nibco: -- wrot
707-4 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
CP74-06	3/8	50	200	.08	7/16	1
CP74-08	1/2	50	200	.15	1/8	1-7/32
CP74-12	3/4	25	100	.22	1/2	1-3/8
CP74-16	1	10	100	.45	3/4	1-23/32
CP74-20	1-1/4	5	50	.70	3/4	2
CP74-24	1-1/2	20	50	.86	15/16	2-1/32
CP74-32	2	--	--	1.36	1-3/8	2-5/8
CP74-56	3-1/2	--	--	5.06	--	--
CP74-08-06	1/2 X 3/8	50	250	.10	1/2	1-1/8
CP74-08-12	1/2 X 3/4	25	100	.24	5/16	1-3/8
CP74-08-16	1/2 X 1	25	--	.36	--	--
CP74-12-08	3/4 X 1/2	25	100	.22	7/16	1-3/16

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90° ELBOW - MALE (cont.)

Copper x Male

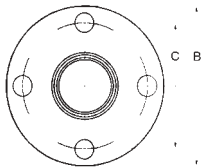
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP74-12-16	3/4 X 1	20	100	.38
CP74-16-12	1 X 3/4	20	120	.40
CP74-20-08	1 1/4 X 1/2	5	-	.46
CP74-20-12	1 1/4 X 3/4	5	-	.39
CP74-20-16	1 1/4 X 1	5	-	-
CP74-32-24	2 X 1 1/2	-	-	1.32

FLANGES - 125 LB COMPANION

with A.S.M.E. Drilling

Copper to Flange

Cast CP41-125-



Mueller: -- wrot
F-940 cast

Elkhart: -- wrot
4741 cast

Nibco: -- wrot
741 cast

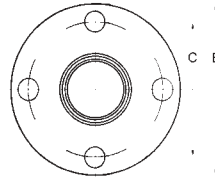
Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.	Bolt Hole Dia	No. Bolt Hols	Dim A	Dim B	Dim C
CP41-125-08	1/2	25	.57	5/8	4	3/16	3-1/2	2-3/8
CP41-125-12	3/4	25	.73	5/8	4	3/16	3-7/8	2-3/4
CP41-125-16	1	25	1.07	5/8	4	1/4	4-1/4	3-1/8
CP41-125-20	1-1/4	20	1.71	5/8	4	1/4	4-5/8	3-1/2
CP41-125-24	1-1/2	12	1.64	5/8	4	5/16	5	3-7/8
CP41-125-32	2	8	2.97	3/4	4	3/8	6	4-3/4
CP41-125-40	2-1/2	4	3.48	3/4	4	3/8	7	5-1/2
CP41-125-48	3	4	4.88	3/4	8	7/16	7-1/2	6
CP41-125-56	3-1/2	2	5.99	3/4	8	7/16	8-1/2	7
CP41-125-64	4	2	6.96	3/4	8	7/16	9	7-1/2
CP41-125-80	5	2	10.43	7/8	8	7/16	10	8-1/2
CP41-125-96	6	2	12.77	7/8	8	1/2	11	9-1/2
CP41-125-99	8	2	26.91	7/8	8	5/8	13-1/2	11-3/4

PRESSURE FITTINGS
Elbow / Flange

FLANGES - 150 LB COMPANION
with A.S.M.E. Drilling

Copper to Flange

Cast CP41-150-



Mueller: -- wrot
F-900 cast

Elkhart: -- wrot
4771 cast

Nibco: -- wrot
771 cast

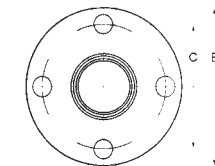
Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.	Bolt Hole Dia	No. Bolt Hols	Dim A	Dim B	Dim C
CP41-150-08	1/2	35	.92	5/8	4	5/16	3-1/2	2-3/8
CP41-150-12	3/4	25	1.27	5/8	4	11/32	3-7/8	2-3/4
CP41-150-16	1	20	2.62	5/8	4	3/8	4-1/2	3-1/8
CP41-150-20	1-1/4	15	2.15	5/8	4	13-32	4-5/8	3-1/2
CP41-150-24	1-1/2	10	2.50	5/8	4	7/16	5	3-7/8
CP41-150-32	2	8	3.79	3/4	4	1/2	6	4-3/4
CP41-150-40	2-1/2	4	6.21	3/4	4	9/16	7	5-1/2
CP41-150-48	3	4	7.07	3/4	4	5/8	7-1/2	6
CP41-150-56	3-1/2	2	10.04	3/4	4	11/16	8-1/2	7
CP41-150-64	4	2	11.80	3/4	8	11/16	9	7-1/2
CP41-150-80	5	2	16.90	7/8	8	3/4	10	8-1/2
CP41-150-96	6	2	20.00	7/8	8	13/16	11	9-1/2
CP41-150-99	8	1	41.00	7/8	8	15/16	13-1/2	11-3/4

FLANGES - 300 LB COMPANION

with A.S.M.E. Drilling (consult factory regarding OD sizes)

Copper to Flange

Cast CP41-300-



Mueller: -- wrot
-- cast

Elkhart: -- wrot
-- cast

Nibco: -- wrot
-- cast

Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.	Bolt Hole Dia	No. Bolt Hols	Dim A	Dim B	Dim C
CP41-300-08	1/2	1	1.75	5/8	4	1/2	3-3/4	2-5/8
CP41-300-16	1	1	3.71	3/4	4	19/32	4-7/8	3-1/2
CP41-300-20	1-1/4	1	6.27	3/4	4	5/8	5-1/4	3-7/8
CP41-300-24	1-1/2	1	6.61	7/8	4	11/16	6-1/8	4-1/2
CP41-300-32	2	1	7.96	3/4	8	3/4	6-1/2	5
CP41-300-40	2-1/2	1	9.35	7/8	8	13/16	7-1/2	5-7/8
CP41-300-48	3	1	11.92	7/8	8	29/32	8-1/4	6-5/8
CP41-300-64	4	1	23.40	7/8	8	1-1/16	10	7-7/8
CP41-300-80	5	1	27.30	7/8	8	1-1/8	11	9-1/4
CP41-300-96	6	1	41.50	7/8	12	1-3/16	12-1/2	10-5/8

PRESSURE FITTINGS

Flange / Plugs / Return Bend

CELLO PRODUCTS INC



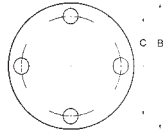
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FLANGES - 150 LB BLIND

Companion with A.S.M.E. Drilling

Copper to Flange

Cast CP41-BLIND-



C x Flange

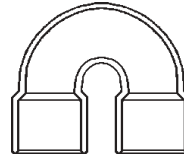
Mueller: -- wrot
-- cast
Elkhart: -- wrot
-- cast
Nibco: -- wrot
-- cast

Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.	Bolt Hole Dia	No. Bolt Holts	Dim A	Dim B	Dim C
CP41BLIND-08	1/2	1	--	5/8	4	5/16	3-1/2	2-3/8
CP41BLIND-12	3/4	1	1.23	5/8	4	11/32	3-7/8	2-3/4
CP41BLIND-16	1	1	1.79	5/8	4	3/8	4-1/4	3-1/8
CP41BLIND-20	1-1/4	1	2.02	5/8	4	13/32	4-5/8	3-1/2
CP41BLIND-24	1-1/2	1	3.42	5/8	4	7/16	5	3-7/8
CP41BLIND-32	2	1	4.22	3/4	4	1/2	6	4-3/4
CP41BLIND-40	2-1/2	1	6.64	3/4	4	9/16	7	5-1/2
CP41BLIND-48	3	1	8.21	3/4	4	5/8	7-1/2	6
CP41BLIND-64	4	1	13.25	3/4	8	11/16	9	7-1/2
CP41BLIND-80	5	1	17.00	7/8	8	3/4	10	8-1/2
CP41BLIND-96	6	1	--	7/8	8	13/16	11	9-1/2
CP41BLIND-99	8	1	--	7/8	8	15/16	13-1/2	11-3/4

RETURN BEND (CLOSED)

Copper x Copper

Cast CP39-



C x C

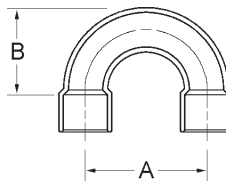
Mueller: -- wrot
E-212 cast
Elkhart: -- wrot
-- cast
Nibco: -- wrot
739 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP39-08	1/2 x 1	25	100	.21
CP39-12	3/4 x 1-3/8	25	100	.29
CP39-16	1 x 1-3/4	25	100	.54

RETURN BEND

Copper x Copper

Cast Wrot CP38-WP38-



C x C

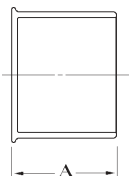
Mueller: WE-512 wrot
-- cast
Elkhart: 138 wrot
-- cast
Nibco: 638 wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
WP38-06-24	3/8 x 1-1/2	25	250	.06	1-1/2	1
WP38-08-1-12	1/2x1-1/2	25	250	.08	1-1/2	1-1/16
WP38-08-32	1/2 x 2	25	100	.13		
WP38-08-40	1/2 x 2-1/2	25	100	.13	2-1/2	1-9/19
WP38-08-48	1/2 x 3	25	250	.13	3	1-13/16
WP38-12-40	3/4 x 2 1/2	25	100	.20	2-1/2	1-11/16
WP38-16	1 x 3	5	50	.39	3	2-1/16
WP38-20	1-1/4 x 4	5	50	.70	4	2-11/16
CP38-20	1-1/4	--	--	1.27	4	2-11/16
WP38-24	1-1/2x4-3/8	5	40	.84	4-3/8	3
CP38-24	1-1/2	--	--	1.26	4-3/8	3
WP38-32	2 x 5-1/2	4	32	1.93	5-1/2	3-13/16
CP38-32	2	--	--	2.19	5-1/20	3-13/16

PLUG (FOR FITTING)

Fitting End Plugs

Cast Wrot CP16-WP16-



Fitting

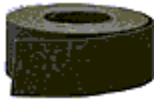
Mueller: WC-416 wrot
-- cast
Elkhart: 116 wrot
-- cast
Nibco: 616 wrot
716 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP16-08	1/2	10	100	.02	3/32
WP16-12	3/4	10	100	.07	1/8
WP16-16	1	10	100	1.15	5/32
CP16-16	1-1/2	10	100	--	--



SAND CLOTH

ACCSCLOTH-



Item No.	Size	Box Qty	Mstr Crtn
ACCSCLOTH-5	1 1/2 X 5 YARDS	50	50
ACCSCLOTH-10	1 1/2 X 10 YARDS	20	20
ACCSCLOTH-25	1 1/2 X 25 YARDS	10	10

SAND CLOTH

Open Mesh

ACMSCLOTH-



Item No.	Size	Box Qty	Mstr Crtn
ACMSCLOTH-5	1 1/2 x 5 yds	50	50
ACMSCLOTH-10	1 1/2 x 10 yds	50	50

SUCTION LINE P TRAP

Wrot WP37-



C x C

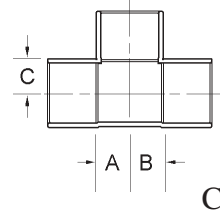
Mueller: -- wrot
-- cast
Elkhart: -- wrot
-- cast
Nibco: 698 wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WP37-08	1/2	5	50	.36
WP37-10	5/8	10	60	.45
WP37-12	3/4	10	60	.63
WP37-16	1	10	10	.91
WP37-20	1-1/4	5	5	1.36
WP37-24	1-1/2	5	5	2.29
WP37-32	2	3	3	3.94

TEE

Copper x Copper x Copper

Cast Wrot CPT-WPT-



C x C x C

Mueller: WT-600 wrot
T-300 cast
Elkhart: 111 wrot
4711 cast
Nibco: 611 wrot
711 cast

Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B	Dim C
WPT-02	1/8	50/1000	.02	1/8	1/8	1/8
WPT-03	3/16 OD	50/500	--	-	-	-
WPT-04	1/4	50/1000	.03	17/64	17/64	1/4
WPT-05	5/16 OD	50/1000	.02	7/32	7/32	9/32
WPT-06	3/8	50/500	.05	5/16	5/16	3/8
WPT-08	1/2	50/500	.06	21/64	21/64	21/64
WPT-10	5/8	25/250	.11	7/16	7/16	1/2
WPT-12	3/4	25/200	.14	1/2	1/2	17/32
WPT-16	1	10/100	.31	21/32	21/32	21/32
WPT-20	1-1/4	5/50	.41	7/8	7/8	25/32
WPT-24	1-1/2	5/50	.56	1-5/32	1-5/32	1-5/32
WPT-32	2	5/25	1.29	1-3/8	1-3/8	1-3/8
WPT-40	2-1/2	1/10	4.18	1-21/32	1-21/32	1-11/16
WPT-48	3	1/10	3.49	1-7/8	1-7/8	1-11/16
WPT-56	3-1/2	1/8	5.29	2-5/32	2-5/32	2-1/4
CPT-64	4 cast	1/1	6.1	2-13/32	2-13/32	2-9/16
WPT-64	4	1/8	7.0	2-13/32	2-13/32	2-9/16
CPT-80	5 cast	1/1	12.03	2-37/64	2-37/64	2-29/32
WPT-80	5	1/1	8.29	2-37/64	2-37/64	2-29/32
CPT-96	6 cast	1/1	13.46	3-1/8	3-1/8	3-11/16
WPT-96	6	1/1	12.08	3-1/8	3-1/8	3-11/16
WPT-99	8	1/1	33.00	4-1/16	4-1/16	4-3/4
WPT-02-02-04	1/8 x 1/8 x 1/4	50/1000	.02	13/32	13/32	1/4
WPT-04-02-04	1/4 x 1/8 x 1/4	50/1000	.03	17/64	13/32	1/4
WPT-04-04-02	1/4 x 1/4 x 1/8	50/1000	.03	13/64	13/64	7/32
WPT-04-04-03	1/4 OD x 3/8 OD	50/500		-	-	-
WPT-04-04-06	1/4 x 1/4 x 3/8	50/500	.05	-	-	-
WPT-05-05-06	5/16OD x 3/8OD	50/500	.02	-	-	-
WPT-06-04-04	3/8 x 1/4 x 1/4	50/500	.05	5/16	15/32	15/32
WPT-06-04-06	3/8 x 1/4 x 3/8	50/500	.05	5/16	15/32	3/8
WPT-06-06-02	3/8 x 3/8 x 1/8	50/500	.05	5/16	5/16	39/64
WPT-06-06-04	3/8 x 3/8 x 1/4	50/500	.04	5/16	5/16	15/32
WPT-06-06-08	3/8 x 3/8 x 1/2	50/500	.07	17/32	17/32	11/32
WPT-08-04-06	1/2 x 1/4 x 3/8	50/500	.06			
WPT-08-06-04	1/2 x 3/8 x 1/4	50/500	.06			
WPT-08-06-06	1/2 x 3/8 x 3/8	50/500	.06	5/16	1/2	13/32
WPT-08-06-08	1/2 x 3/8 x 1/2	50/500	.06	3/8	17/32	11/32
WPT-08-08-02	1/2 x 1/2 x 1/8	50/500	.06	9/32	9/32	1/2

PRESSURE FITTINGS

Tee

CELLO PRODUCTS INC



1-800-265-7882

TEE (continued)

Copper x Copper x Copper

Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B	Dim C
WPT-08-08-04	1/2 x 1/2 x 1/4	50/500	.08	9/32	9/32	13/32
WPT-08-08-06	1/2 x 1/2 x 3/8	50/500	.08	5/16	5/16	13/32
WPT-08-08-12	1/2 x 1/2 x 3/4	25/250	.17	33/64	33/64	15/32
WPT-08-08-16	1/2 x 1/2 x 1	10/100	.29	15/16	15/16	3/4
WPT-10-10-06	5/8 x 5/8 x 3/8	25/250	.09	27/64	27/64	21/32
WPT-10-10-12	5/8 x 5/8 x 3/4	25/250	.16	-	-	-
WPT-12-06-06	3/4 x 3/8 x 3/8	25/250	.12	25/64	23/32	11/16
WPT-12-08-06	3/4 x 1/2 x 3/8	25/250	.19	25/64	5/8	11/16
WPT-12-08-08	3/4 x 1/2 x 1/2	25/250	.15	25/64	5/8	19/32
WPT-12-08-12	3/4 x 1/2 x 3/4	25/250	.17	1/2	25/32	17/32
WPT-12-12-06	3/4 x 3/4 x 3/8	25/250	.12	25/64	25/64	11/16
WPT-12-12-08	3/4 x 3/4 x 1/2	25/250	.12	25/64	25/64	1/2
WPT-12-12-16	3/4 x 3/4 x 1	10/100	.20	3/4	3/4	17/32
WPT-16-08-08	1 x 1/2 x 1/2	10/100	.22	23/64	13/16	11/16
WPT-16-08-12	1 x 1/2 x 3/4	10/100	.23	1/2	15/16	5/8
WPT-16-08-16	1 x 1/2 x 1	10/100	.31	21/32	5/64	21/32
WPT-16-12-06	1 x 3/4 x 3/8	10/100	.24			
WPT-16-12-08	1 x 3/4 x 1/2	10/100	.23	23/64	9/16	11/16
WPT-16-12-12	1 x 3/4 x 3/4	10/100	.27	1/2	11/16	5/8
WPT-16-12-16	1 x 3/4 x 1	10/100	.30	21/32	53/64	21/32
WPT-16-16-06	1 x 1 x 3/8	10/100	.21	23/64	23/64	13/16
WPT-16-16-08	1 x 1 x 1/2	10/100	.20	23/64	23/64	3/4
WPT-16-16-12	1 x 1 x 3/4	10/100	.22	1/2	1/2	3/4
WPT-16-16-20	1 x 1 x 1 1/4	5/50	.44	1-5/32	1-5/32	31/32
WPT-16-16-24	1 x 1 x 1-1/2	5/50	.73	1-1/4	1-1/4	1-5/32
WPT-20-08-08	1-1/4 x 1/2 x 1/2	10/50	.29	-	-	-
WPT-20-08-12	1-1/4 x 1/2 x 3/4	5/50	.30	9/16	5/8	7/8
WPT-20-08-16	1-1/4 x 1/2 x 1	5/50	.37	3/4	3/4	7/8
WPT-20-08-20	1-1/4 x 1/2 x 1-1/4	5/50	.42	7/8	7/8	25/32
WPT-20-12-08	1-1/4 x 3/4 x 1/2	5/50	.28	1/2	1/2	25/32
WPT-20-12-12	1-1/4 x 3/4 x 3/4	5/50	.28	5/8	5/8	25/32
WPT-20-12-16	1-1/4 x 3/4 x 1	5/50	.45	3/4	3/4	25/32
WPT-20-12-20	1-1/4 x 3/4 x 1-1/4	5/50	.42	7/8	7/8	25/32
WPT-20-16-08	1-1/4 x 1 x 1/2	5/50	.27	1/2	1/2	25/32
WPT-20-16-12	1-1/4 x 1 x 3/4	5/50	.35	5/8	5/8	25/32
WPT-20-16-16	1-1/4 x 1 x 1	5/50	.39	3/4	3/4	25/32
WPT-20-16-20	1-1/4 x 1 x 1-1/4	5/50	.41	7/8	7/8	25/32
WPT-20-20-08	1-1/4 x 1-1/4 x 1/2	10/50	.25	1/2	1/2	25/32
WPT-20-20-12	1-1/4 x 1-1/4 x 3/4	10/50	.26	5/8	5/8	25/32
WPT-20-20-16	1-1/4 x 1-1/4 x 1	5/50	.38	3/4	3/4	25/32
WPT-20-20-24	1-1/4 x 1-1/4 x 1-1/2	5/50	.70	1-3/16	1-3/16	1-5/32
WPT-20-20-32	1-1/4 x 1-1/4 x 2	5/40	1.41	1-3/4	1-3/4	1-3/8
WPT-24-08-08	1-1/2 x 1/2 x 1/2	10/50	.33	-	-	-
WPT-24-08-12	1-1/2 x 1/2 x 3/4	5/50	.36	-	-	-
WPT-24-08-16	1-1/2 x 1/2 x 1	5/50		-	-	-
WPT-24-08-20	1-1/2 x 1/2 x 1-1/4	5/50	.56	-	-	-

TEE (continued)

Copper x Copper x Copper

Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B	Dim C
WPT-24-08-24	1-1/2 x 1/2 x 1-1/2	5/50	.57	1-5/32	1-31/64	1-5/32
WPT-24-12-08	1-1/2 x 3/4 x 1/2	10/50	.34	9/16	31-32	-
WPT-24-12-12	1-1/2 x 3/4 x 3/4	5/50	.37	11/64	15/64	31/32
WPT-24-12-16	1-1/2 x 3/4 x 1	10/50	.54	27/32	1-1/32	1-1/16
WPT-24-12-20	1-1/2 x 3/4 x 1-1/4	5/50	.60	31/32	1-5/16	1-1/16
WPT-24-12-24	1-1/2 x 3/4 x 1-1/2	5/50	.55	1-5/32	1-1/4	1-5/32
WPT-24-16-08	1-1/2 x 1 x 1/2	5/50	.34	9/16	1-19/64	31/32
WPT-24-16-12	1-1/2 x 1 x 3/4	5/50	.38	11/16	1-19/64	31/32
WPT-24-16-16	1-1/2 x 1 x 1	5/50	.52	27/32	1-1/16	1-1/16
WPT-24-16-20	1-1/2 x 1 x 1-1/4	10/50	.52	31/32	1-1/16	1-1/16
WPT-24-16-24	1-1/2 x 1 x 1-1/2	5/50	.52	1-5/32	1-1/4	1-5/32
WPT-24-20-08	1-1/2 x 1-1/4 x 1/2	5/50	.34	9/16	13/16	31/32
WPT-24-20-12	1-1/2 x 1-1/4 x 3/4	5/50	.37	11/16	7/8	31/32
WPT-24-20-16	1-1/2 x 1-1/4 x 1	5/50	.55	27/32	1-3/16	1-1/16
WPT-24-20-20	1-1/2 x 1-1/4 x 1-1/4	5/50	.53	31/32	1-3/16	1-1/16
WPT-24-20-24	1-1/2 x 1-1/4 x 1-1/2	5/50	.57	1-7/32	1-3/16	1-7/32
WPT-24-24-08	1-1/2 x 1-1/2 x 1/2	5/50	.34	9/16	9/16	31/32
WPT-24-24-12	1-1/2 x 1-1/2 x 3/4	5/50	.35	11/16	11/16	31/32
WPT-24-24-16	1-1/2 x 1-1/2 x 1	5/50	.50	27/32	27/32	1-1/16
WPT-24-24-20	1-1/2 x 1-1/2 x 1-1/4	5/50	.51	31/32	31/32	1-1/16
WPT-24-24-32	1-1/2 x 1-1/2 x 2	5/40	1.21	1-37/64	1-37/64	1-3/8
WPT-32-08-32	2 x 1/2 x 2	5/40	1.29	1-3/8	1-7/8	1-3/8
WPT-32-12-32	2 x 3/4 x 2	5/40	1.27	1-3/8	1-3/4	1-3/8
WPT-32-16-16	2 x 1 x 1	5/25	.82	27/32	1-9/32	1-11/32
WPT-32-16-20	2 x 1 x 1-1/4	5/25	.77	-	-	-
WPT-32-16-24	2 x 1 x 1-1/2	5/25	.83	-	-	-
WPT-32-16-32	2 x 1 x 2	5/40	1.33	1-3/8	1-25/32	1-3/8
WPT-32-20-08	2 x 1-1/4 x 1/2	5/25	.57	5/8	1-5/64	1-1/4
WPT-32-20-12	2 x 1-1/4 x 3/4	5/25	.58	11/16	1-5/32	1-1/4
WPT-32-20-16	2 x 1-1/4 x 1	5/25	.80	13/16	1-9/32	1-5/16
WPT-32-20-20	2 x 1-1/4 x 1-1/4	5/25	.82	31/32	1-3/16	1-3/8
WPT-32-20-24	2 x 1-1/4 x 1-1/2	5/25	1.02	1-1/32	1-3/8	1-11/32
WPT-32-20-32	2 x 1-1/4 x 2	5/40	1.23	1-3/8	1-25/32	1-3/8
WPT-32-24-08	2 x 1-1/2 x 1/2	5/25	.62	5/8	15/16	1-1/4
WPT-32-24-12	2 x 1-1/2 x 3/4	5/25	.58	11/16	1-1/16	1-1/4
WPT-32-24-16	2 x 1-1/2 x 1	5/25	.80	13/16	1-1/16	1-5/16
WPT-32-24-20	2 x 1-1/2 x 1-1/4	5/25	.81	31/32	1-3/16	1-3/8
WPT-32-24-24	2 x 1-1/2 x 1-1/2	5/25	.83	1-1/32	1-19/64	1-11/32
WPT-32-24-32	2 x 1-1/2 x 2	5/40	1.34	1-3/8	1-37/64	1-3/8
WPT-32-32-08	2 x 2 x 1/2	5/40	.55	5/8	5/8	1-1/4
WPT-32-32-12	2 x 2 x 3/4	5/40	.61	11/16	11/16	1-1/4
WPT-32-32-16	2 x 2 x 1	5/40	.77	13/16	13/16	1-5/16
WPT-32-32-20	2 x 2 x 1-1/4	5/40	.78	31/32	31/32	1-3/8
WPT-32-32-24	2 x 2 x 1-1/2	5/25	.84	1-1/32	1-1/32	1-11/32
WPT-32-32-40	2 x 2 x 2-1/2	1/10	2.27	2	2	1-11/16
WPT-32-32-48	2 x 2 x 3	1/10	2.48	1-13/16	1-13/16	1-3/32

CELLO PRODUCTS, INC * PHONE: (519) 621-9150 * FAX: (519) 621-4108



TEE (continued)
Copper x Copper x Copper

Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B	Dim C
WPT-40-08-40	2 1/2 X 1/2 X 2 1/2	1/10	2.54	1-1/2	2-7/32	1-1/2
WPT-40-12-12	2 1/2 X 3/4 X 3/4	1/10	1.23			
WPT-40-12-24	2 1/2 X 3/4 X 1 1/2	1/10	1.39			
WPT-40-12-40	2 1/2 X 3/4 X 2 1/2	1/10	1.91	1-21/32	3-7/16	1-11/16
WPT-40-16-20	2 1/2 X 1 X 1 1/4	1/10	0.29			
WPT-40-16-24	2 1/2 X 1 X 1 1/2	1/10	2.22			
WPT-40-16-32	2 1/2 X 1 X 2	1/10	2	1-7/16	2-7/8	1-11/16
WPT-40-16-40	2 1/2 X 1 X 2 1/2	1/10	2.14	1-21/32	3-7/32	1-11/16
WPT-40-20-16	2 1/2 X 1 1/4 X 1	1	1.34			
WPT-40-20-20	2 1/2 X 1 1/4 X 1 1/4	1/10	1.31	1	2-9/32	1-39/64
WPT-40-20-24	2 1/2 X 1 1/4 X 1 1/2	1/10	2.14	1-3/16	2-17/32	1-19/32
WPT-40-20-32	2 1/2 X 1 1/4 X 2	1/10	1.95	1-7/16	2-45/64	1-11/16
WPT-40-20-40	2 1/2 X 1 1/4 X 2 1/2	1/10	2.34	1-21/32	2-31/32	1-11/16
WPT-40-24-12	2 1/2 X 1 1/2 X 3/4	1/10	2.29	3/4	1-15/16	1-31/64
WPT-40-24-16	2 1/2 X 1 1/2 X 1	1/10	1.3	7/8	2-1/16	1-5/8
WPT-40-24-20	2 1/2 X 1 1/2 X 1 1/4	1/10	1.31	1	2-3/16	1-39/64
WPT-40-24-24	2 1/2 X 1 1/2 X 1 1/2	1/10	1.49	1-3/16	2-19/64	1-19/32
WPT-40-24-32	2 1/2 X 1 1/2 X 2	1/10	1.98	1-7/16	2-15/32	1-11/16
WPT-40-24-40	2 1/2 X 1 1/2 X 2 1/2	1/10	2.1	1-21/32	2-21/32	1-11/16
WPT-40-32-08	2 1/2 X 2 X 1/2	1/10	1.46	1/2	1-11/32	1-1/2
WPT-40-32-12	2 1/2 X 2 X 3/4	1/10	1.59	3/4	1-3/8	1-31/64
WPT-40-32-16	2 1/2 X 2 X 1	1/10	1.43	7/8	1-9/16	1-19/32
WPT-40-32-20	2 1/2 X 2 X 1 1/4	1/10	2.04	1	1-11/16	1-5/8
WPT-40-32-24	2 1/2 X 2 X 1 1/2	1/10	1.48	1-3/16	1-3/4	1-39/64
WPT-40-32-32	2 1/2 X 2 X 2	1/10	1.64	1-7/16	2-3/64	1-19/32
WPT-40-32-40	2 1/2 X 2 X 2 1/2	1/10	2.4	1-21/32	2	1-11/16
WPT-40-40-08	2 1/2 X 2 1/2 X 1/2	1/10	1.55	1/2	1/2	1-11/16
WPT-40-40-12	2 1/2 X 2 1/2 X 3/4	1/10	1.58	3/4	3/4	1-1/2
WPT-40-40-16	2 1/2 X 2 1/2 X 1	1/10	1.66	7/8	7/8	1-31/64
WPT-40-40-20	2 1/2 X 2 1/2 X 1 1/4	1/10	1.65	1	1	1-5/8
WPT-40-40-24	2 1/2 X 2 1/2 X 1 1/2	1/10	1.75	1-3/16	1-3/16	1-39/64
WPT-40-40-32	2 1/2 X 2 1/2 X 2	1/10	1.69	1-7/16	1-7/16	1-19/32
WPT-40-40-48	2 1/2 X 2 1/2 X 3	1/5	2.91	2-5/8	2-5/8	1-11/16
WPT-48-12-48	3 X 3/4 X 3	1/10	2.93	1-7/8	4-1/32	1-7/8
WPT-48-16-24	3 X 1 X 1 1/2	1	2.08			
WPT-48-16-40	3 X 1 X 2 1/2	1	2.33			
WPT-48-16-48	3 X 1 X 3	1/10	3.3	1-7/8	3-29/32	1-7/8
WPT-48-20-16	3 X 1 1/4 X 1	1	1.74	1-7/8	3-23/32	1-7/8
WPT-48-20-20	3 X 1 1/4 X 1 1/4	1	1.85			
WPT-48-20-48	3 X 1 1/4 X 3	1/10	4.31			
WPT-48-24-16	3 X 1 1/2 X 1	1	1.81			
WPT-48-24-20	3 X 1 1/2 X 1 1/4	1/10	1.87	31/32	2-21/32	1-59/64
WPT-48-24-24	3 X 1 1/2 X 1 1/2	1/10	2.77	1-3/16	2-25/32	1-29/32
WPT-48-24-32	3 X 1 1/2 X 2	1/10	2.73	1-7/16	3-1/8	1-31/32
WPT-48-24-48	3 X 1 1/2 X 3	1/10	4.1	1-7/8	3-9/16	1-7/8
WPT-48-32-08	3 X 2 X 1/2	1/10	1.49	9/16	1-27/32	1-11/16

TEE (continued)
Copper x Copper x Copper

Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B	Dim C
WPT-48-32-12	3 x 2 x 3/4	1/10	1.65	3/4	1-31/32	1-13/16
WPT-48-32-16	3 x 2 x 1	1/10	1.72	7/8	2	1-59/64
WPT-48-32-20	3 x 2 x 1-1/4	1/10	1.88	31/32	2-3/16	1-59/64
WPT-48-32-24	3 x 2 x 1-1/2	1/10	1.11	1-3/16	2-5/16	1-29/32
WPT-48-32-32	3 x 2 x 2	1/10	2.75	1-7/16	2-9/16	1-31/32
WPT-48-32-40	3 x 2 x 2-1/2	1/10	2.36	1-11/16	2-23/32	1-31/32
WPT-48-32-48	3 x 2 x 3	1/10	3.42	1-7/8	3-1/16	1-7/8
WPT-48-40-12	3 x 2-1/2 x 3/4	1/10	1.67	3/4	1-17/32	1-13/16
WPT-48-40-16	3 x 2-1/2 x 1	1/10	2.39	7/8	1-5/8	1-59/64
WPT-48-40-20	3 x 2-1/2 x 1-1/4	1/10	1.95	31/32	1-3/4	1-59/64
WPT-48-40-24	3 x 2-1/2 x 1-1/2	1/10	2.66	1-3/16	1-7/8	1-29/32
WPT-48-40-32	3 x 2-1/2 x 2	1/10	2.24	1-7/16	2-1/8	1-31/32
WPT-48-40-40	3 x 2-1/2 x 2-1/2	1/10	2.38	1-11/16	2-13/32	1-31/32
WPT-48-40-48	3 x 2-1/2 x 3	1/10	3.45	1-7/8	2-5/8	1-7/8
WPT-48-48-08	3 x 3 x 1/2	1/10	1.03	9/16	9/16	1-11/16
WPT-48-48-12	3 x 3 x 3/4	1/10	1.12	3/4	3/4	1-13/16
WPT-48-48-16	3 x 3 x 1	1/10	2.42	7/8	7/8	1-59/64
WPT-48-48-20	3 x 3 x 1-1/4	1/10	2.48	31/32	31/32	1-56/64
WPT-48-48-24	3 x 3 x 1-1/2	1/10	2.73	1-3/16	1-3/16	1-29/32
WPT-48-48-32	3 x 3 x 2	1/10	5.38	1-7/16	1-7/16	1-31/32
WPT-48-48-40	3 x 3 x 2-1/2	1/10	4.01	1-11/16	1-11/16	1-31/32
WPT-48-48-64	3 x 3 x 4	1	6.24	3-21/32	3-21/32	2-9/16
WPT-64-16-40	4 x 1 x 2-1/2	1	5.24	-	-	-
WPT-64-16-64	4 x 1 x 4	1/8	6.48	2-13/32	5-9/32	2-25/32
WPT-64-24-48	4 x 1-1/2 x 3	1	5.5	-	-	-
WPT-64-24-64	4 x 1-1/2 x 4	1	6.61	-	-	-
WPT-64-32-16	4 x 2 x 1	1	4.41	-	-	-
WPT-64-32-24	4 x 2 x 1-1/2	1	4.79	-	-	-
WPT-64-32-32	4 x 2 x 2	1/8	4.83	1-1/2	3-17/32	2-7/16
WPT-64-32-40	4 x 2 x 2-1/2	1	5.16	-	-	-
WPT-64-32-48	4 x 2 x 3	1/8	5.4	2-1/32	3-31/32	2-1/2
WPT-64-32-64	4 x 2 x 4	1/8	8.18	2-13/32	4-1/2	2-35/64
WPT-64-40-40	4 x 2-1/2 x 2-1/2	1/8	4.96	1-25/32	3-5/16	2-19/32
WPT-64-40-48	4 x 2-1/2 x 3	1/8	5.25	2-1/32	3-37/64	2-1/1
WPT-64-40-64	4 x 2-1/2 x 4	1/8	4.72	2-13/32	4-1/16	2-35/64
WPT-64-48-20	4 x 3 x 1-1/4	1	4.49	-	-	-
WPT-64-48-32	4 x 3 x 2	1/8	5.23	1-1/2	2-23/32	2-7/16
WPT-64-48-40	4 x 3 x 2-1/2	1/8	5.04	1-25/32	2-29/32	2-19/32
WPT-64-48-48	4 x 3 x 3	1/8	5.52	2-1/32	3-1/32	2-1/2
WPT-64-48-64	4 x 3 x 4	1/8	7.13	2-13/32	3-21/32	2-35/64
WPT-64-64-08	4 x 4 x 1/2	1/8	4.17	1/2	1/2	2-5/16
WPT-64-64-12	4 x 4 x 3/4	1/8	4.79	13/32	13/32	2-5/16
WPT-64-64-16	4 x 4 x 1	1/8	4.53	15/16	15/16	2-5/16
WPT-64-64-20	4 x 4 x 1-1/4	1/8	4.79	1-3/32	1-3/32	2-1/2
WPT-64-64-24	4 x 4 x 1-1/2	1/8	4.54	1-3/16	1-3/16	2-9/16
WPT-64-64-32	4 x 4 x 2	1/8	4.34	1-1/2	1-1/2	2-7/16

PRESSURE FITTINGS

Tee

CELLO PRODUCTS INC



1-800-265-7882

TEE (continued)

Copper x Copper x Copper

Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B	Dim C
WPT-64-64-40	4 x 4 x 2-1/2	1/8	4.96	1-25/32	1-25/32	2-19/32
WPT-64-64-48	4 x 4 x 3	1/8	5.48	2-1/32	2-1/32	2-1/2
WPT-80-80-16	5 x 5 x 1	1/1	4.39	21/32	21/32	2-7/8
WPT-80-80-32	5 x 5 x 2	1	5.30	1-5/64	1-5/64	2-7/8
CPT-80-80-32	5 x 5 x 2	1		1-5/64	1-5/64	2-7/8
WPT-96-64-64	6 x 4 x 4	1	9.84	2-13/64	4-3/16	3-7/16
WPT-96-96-32	6 x 6 x 2	1	7.85	1-7/32	1-7/32	3-7/16
CPT-96-96-32	6 x 6 x 2	11	7.51	1-7/32	1-7/32	3-7/16
WPT-96-96-40	6 x 6 x 2-1/2	1	7.60	1-7/16	1-7/16	3-7/16
WPT-96-96-48	6 x 6 x 3	1	8.10	1-7/16	1-11/16	3-7/16
WPT-96-96-64	6 x 6 x 4	1	9.84	1-11/16	2-13/64	3-7/16
CPT-96-96-64	6 X 6 X 4	1	16.00	1-11/16	2-13/64	3-7/16

TEE (continued)

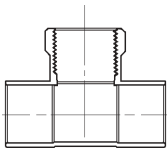
Copper x Copper x Female

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP12-202012	1-1/4 X 1-1/4 X 3/4	5	25	.54
CP12-202016	1 1/4X1 1/4X1	5	25	.72
CP12-242408	1 1/2X1 1/2X1/2	5	50	.63
CP12-242412	1 1/2 X 1 1/2 X 3/4	5	20	.74
CP12-242416	1 1/2 X 1 1/2 X 1	5	20	.93
CP12-323208	2 X 2 X 1/2	5	25	1.14
CP12-323212	2 X 2 X 3/4	5	25	1.00
CP12-323216	2 X 2 X 1	5	25	1.25

TEE

Copper x Copper x Female

Cast CP12-



C X C X F

Mueller: -- wrot
T-312 cast

Elkhart: -- wrot
4712 cast

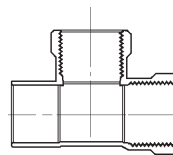
Nibco: -- wrot
712 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP12-06	3/8	50	-	.13
CP12-08	1/2	25	250	.18
CP12-12	3/4	25	100	.35
CP12-16	1	5	25	.58
CP12-20	1-1/4	5	25	.87
CP12-24	1-1/2	5	25	.95
CP12-32	2	5	20	2.36
CP12-080804	1/2 X 1/2 X 1/4	25	150	.15
CP12-080806	1/2 X 1/2 X 3/8	25	150	.14
CP12-080812	1/2 X 1/2 X 3/4	25	75	.40
CP12-120808	3/4 X 1/2 X 1/2	25	125	.23
CP12-120812	3/4 X 1/2 X 3/4	25	150	.29
CP12-121206	3/4 X 3/4 X 3/8	25	200	.32
CP12-121208	3/4 X 3/4 X 1/2	25	100	.24
CP12-121216	3/4 X 3/4 X 1	10	100	.50
CP12-161212	1 X 3/4 X 3/4	25	100	.44
CP12-161608	1 X 1 X 1/2	10	100	.36
CP12-161612	1 X 1 X 3/4	10	100	.54
CP12-202008	1-1/4 X 1-1/4 X 1/2	5	50	.42

TEE

Copper x Female x Female

Cast CP123-



C X F X F

Mueller: -- wrot
T-304 cast

Elkhart: -- wrot
-- cast

Nibco: -- wrot
710-3 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP123-08	1/2	25	100	.23
CP123-12	3/4	25	100	.45
CP123-081208	1/2 X 3/4 X 1/2	25	100	.33
CP123-121208	3/4 X 3/4 X 1/2	25	100	.38

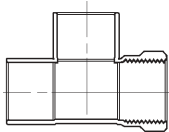
CELLO PRODUCTS, INC * PHONE: (519) 621-9150 * FAX: (519) 621-4108



TEE

Copper x Female x Copper

Cast CP14-



C x F x C

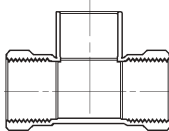
Mueller: -- wrot
T-303 cast
Elkhart: -- wrot
4714 cast
Nibco: -- wrot
714 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP14-06	3/8	50	500	.11
CP14-08	1/2	25	250	.18
CP14-12	3/4	25	100	.32
CP14-16	1	10	100	.57
CP14-20	1-1/4	5	10	.77
CP14-24	1-1/2	5	10	--
CP14-32	2	2	5	1.72
CP14-080608	1/2 X 3/8 X 1/2	25	200	.18
CP14-080812	1/2 X 1/2 X 3/4	25	100	.24
CP14-081208	1/2 X 3/4 X 1/2	25	100	.27
CP14-081212	1/2 X 3/4 X 3/4	25	100	.34
CP14-120808	3/4 X 1/2 X 1/2	25	100	.19
CP14-120812	3/4 X 1/2 X 3/4	25	150	.28
CP14-121208	3/4 X 3/4 X 1/2	25	75	.33
CP14-160816	1 X 1/2 X 1	5	40	.38
CP14-161216	1 X 3/4 X 1	5	25	.60
CP14-200820	1-1/4 X 1/2 X 1-1/4	5	25	.66
CP14-201220	1-1/4 X 3/4 X 1-1/4	5	20	--
CP14-240824	1-1/2 X 1/2 X 1-1/2	1	20	.85
CP14-241224	1-1/2 X 3/4 X 1-1/2	1	20	.91
CP14-320832	2 X 1/2 X 2	1	25	1.47
CP14-321232	2 X 3/4 X 2	1	25	1.43

TEE

Female x Female x Copper

Cast CP143-



F x F x C

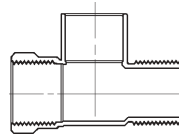
Mueller: -- wrot
T-304 cast
Elkhart: -- wrot
-- cast
Nibco: -- wrot
710-3 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP14-3-08	1/2	25	--	.25
CP14-3-12	3/4	10	50	.44
CP143-120808	3/4 X 1/2 X 1/2	25	200	.29
CP143-120812	3/4 X 1/2 X 3/4	25	100	.31
CP143-121208	3/4 X 3/4 X 1/2	25	50	.35

TEE -

Female x Male x Copper

Cast CP144-



F x M x C

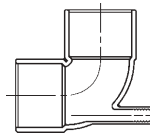
Mueller: -- wrot
T-305 cast
Elkhart: -- wrot
-- cast
Nibco: -- wrot
710-3-4 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP144-12	3/4	25	100	.34
CP144-081208	1/2 X 3/4 X 1/2	25	100	.20
CP144-081212	1/2 X 3/4 X 3/4	25	100	.35
CP144-120808	3/4 X 1/2 X 1/2	25	100	.20
CP144-121208	3/4 X 3/4 X 1/2	25	100	.40

TEE - BASEBOARD

Copper x Female x Copper

Cast Wrot CPCBT-WPBT-



C x F x C

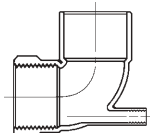
Mueller: -- wrot
T-301 cast
Elkhart: -- wrot
4714-B cast
Nibco: -- wrot
705 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CPCBT-080208	1/2 X 1/8 X 1/2	25	200	.11
CPCBT-080212	1/2 X 1/8 X 3/4	--	--	.22
CPCBT-120212	3/4 X 1/8 X 3/4	25	200	.23
WPBT-120212	3/4 X 1/8 X 3/4 wrot	25	200	.13
CPCBT-160216	1 X 1/8 X 1	15	100	.36
CPCBT-200220	1 1/4 X 1/8 X 1 1/4	5	25	.43

TEE - BASEBOARD

Female x Female x Copper

Cast CPFBT-



F x F x C

Mueller: -- wrot
-- cast
Elkhart: -- wrot
-- cast
Nibco: -- wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CPFBT-120212	3/4 X 1/8 X 3/4	25	100	.27

PRESSURE FITTINGS

Tee

CELLO PRODUCTS INC

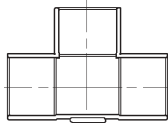


1-800-265-7882

TEE - DROP EAR

Copper x Copper x Copper

Cast CP11-5-



C x C x C

Mueller: -- wrot
T-310 cast

Elkhart: -- wrot
4711-5 cast

Nibco: -- wrot
711-5 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP11-5-08	1/2	25	100	.12
CP11-5-12	3/4	10	100	.12

TEE - MONO FLOW

Copper x Copper x Copper

Cast CPMFT-



C x C x C

Mueller: -- wrot
-- cast

Elkhart: -- wrot
-- cast

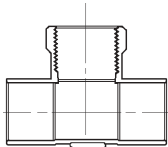
Nibco: -- wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CPMFT-121208	3/4 X 3/4 X 1/2	25	100	.21
CPMFT-161612	1 X 1 X 3/4	25	100	.35
CPMFT-202012	1-1/4 X 1-1/4 X 3/4	25	100	.45

TEE - DROP EAR (WING BACK)

Copper x Copper x Female

Cast CP12-5-



C x C x F

Mueller: -- wrot
T-311 cast

Elkhart: -- wrot
4712-5 cast

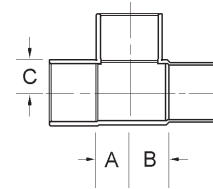
Nibco: -- wrot
712-5 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP12-5-08	1/2	25	100	.23
CP125-12	3/4	10	50	.47
CP125-121208	3/4 X 3/4 X 1/2	10	50	--

TEE - STREET

Copper x Fitting x Copper

Cast Wrot CPT-2-
WPT-2-



C x F x C

Mueller: WT-600F wrot
-- cast

Elkhart: 111-2 wrot
-- cast

Nibco: 611-2 wrot
-- cast

Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B	Dim C
CPT-2-08	1/2	50/500	.10	3/8	1-1/32	11/32
CPT-2-12	3/4	10/100	.29	1/2	1-37/64	1/2
WPT-2-12	3/4	25/100	.08	1/2	1-37/64	1/2

TUBE HANGER STRAP

WP24S-

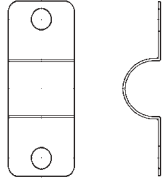
Item No.	Nom. Size (in inches)	Net Wt.
WP24S-12-25	3/4	25' roll



TUBE STRAPS

with nails

WP24-



Mueller: WS-1100 wrot

Elkhart: 120 wrot

Nibco: 624 wrot

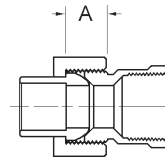
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WP24-02	1/2	100	2000	.01
WP24-04	1/4	100	2000	.01
WP24-06	3/8	100	2000	.01
WP24-08	1/2	100	1000	.01
WP24-12	3/4	100	500	.03
WP24-16	1	100	1000	.03
WP24-20	1-1/4	50	500	.04
WP24-24	1-1/2	50	500	.05
WP24-32	2	100	800	.06

UNION - FEMALE

Copper x Female

Cast Wrot

CP33-3- WP33-3-



C x F

Mueller: -- wrot
C-109 cast

Elkhart: 102-F wrot
4733-3 cast

Nibco: -- wrot
733-3 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim. A
WP33-3-08	1/2	25	250	.28	1-1/8
WP33-3-12	3/4	25	100	.39	1-5/32
WP33-3-16	1	10	100	.55	1-3/8
WP33-3-20	1-1/4	5	25	.89	2-11/16
WP33-3-24	1-1/2	5	15	1.09	2-1/4
WP33-3-32	2	5	25	1.98	2-1/8
CP33-3-40	2-1/2	1	1	3.62	-

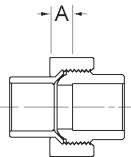
UNION

Copper x Copper

(Barstock - see page 24)

Cast Wrot

CP33- WP33-



C x C

Mueller: WC-407 wrot
C-107 cast

Elkhart: 102 wrot
4733 cast

Nibco: 633 wrot
733 cast

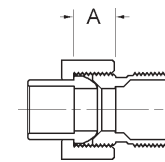
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WP33-04	1/4	25	500	.12	13/32
WP33-06	3/8	25	250	.13	27/64
WP33-08	1/2	25	250	.22	1/2
WP33-12	3/4	25	200	.32	21/32
WP33-16	1	10	100	.40	3/4
WP33-20	1-1/4	10	50	.66	9/16
WP33-24	1-1/2	5	25	.79	5/8
WP33-32	2	1	25	1.43	3/4
CP33-40	2 1/2	1	5	3.45	1-1/16
CP33-48	3	1	4	4.14	1-5/16

UNION - MALE

Copper x Male

Cast Wrot

CP33-4- WP33-4-



C x M

Mueller: -- wrot
C-108 cast

Elkhart: 102-M wrot
4733-4 cast

Nibco: -- wrot
733-4 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim. A
CP33-4-06	3/8	10	300	.21	1-13/32
WP33-4-08	1/2	25	250	.22	1-3/8
WP33-4-12	3/4	10	100	.40	1-11/16
WP33-4-16	1	10	50	.59	1-1/4
WP33-4-20	1-1/4	5	20	.97	2-1/4
WP33-4-24	1-1/2	1	15	1.44	2-7/16
WP33-4-32	2	1	-	2.17	2-7/16
CP33-4-40	2-1/2	1	1	3.57	3

PRESSURE FITTINGS

Union Elbow / WYE

CELLO PRODUCTS INC



1-800-265-7882

UNION - 90° ELBOW

Copper x Male

Cast CP33-74-



C x M

Mueller: E-208 cast
 Elkhart: 4707-4-6 cast
 Nibco: 707-4-6 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP33-74-12	3/4	10	1	.53

WYE - 90° TRUE WYE

Copper x Copper x Copper

Cast CP48-

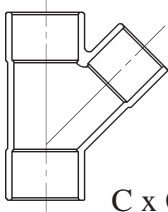
Mueller: -- cast
 Elkhart: -- cast
 Nibco: 748 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP48-16	1	5	50	.61

WYE - 45° Y BRANCH

Copper x Copper x Copper

Cast CP49-



C x C x C

Mueller: T-317 cast
 Elkhart: 4749 cast
 Nibco: 749 cast

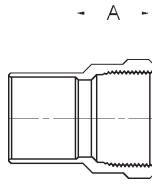
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CP49-08	1/2	10	100	.37
CP49-12	3/4	20	100	.34
CP49-16	1	10	60	.55
CP49-20	1-1/4	5	20	.78
CP49-24	1-1/2	5	20	1.20
CP49-32	2	2	10	2.37



ADAPTER - FEMALE

Copper x Female

Barstock BS3-



Mueller: WC-402 wrot
C-102 cast
Elkhart: 103 wrot
4703 cast
Nibco: 603 wrot
703 cast

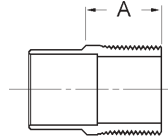
C x F

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim. A
BS3-08	1/2	50	400	.08	7/8
BS3-12	3/4	25	200	.14	23/32
BS3-16	1	25	250	--	--
BS3-08-02	1/2 X 1/8	50	1000	.05	
BS3-08-04	1/2 X 1/4	50	500	.06	9/16
BS3-08-06	1/2 X 3/8	50	500	.07	
BS3-08-12	1/2 X 3/4	25	250	.13	29/32
BS3-12-08	3/4 X 1/2	25	250	.12	11/16
BS3-12-16	3/4 X 1	25	250	--	--
BS3-16-08	1 X 1/2	25	250	--	--
BS3-16-12	1 X 3/4	25	250	--	--

ADAPTER - MALE

Copper x Male

Barstock BS4-



Mueller: WC-401 wrot
C-101 cast
Elkhart: 104 wrot
4704 cast
Nibco: 604 wrot
704 cast

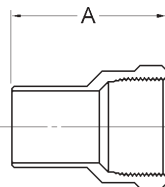
C x M

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim. A
BS4-08	1/2	50	500	.07	19/32
BS4-12	3/4	25	250	.11	13/16
BS4-16	1	25	250	--	--
BS4-08-04	1/2 X 1/4	50	600	.02	13/16
BS4-08-06	1/2 X 3/8	50	500	.05	1-19/32
BS4-08-12	1/2 X 3/4	25	200	.12	3/4
BS4-12-08	3/4 X 1/2	25	250	.11	1-1/4
BS4-12-16	3/4 X 1	25	250	--	--
BS4-16-08	1 X 1/2	25	250	--	--
BS4-16-12	1 X 3/4	25	250	--	--

ADAPTER - FTG FEMALE

Fitting x Female

Barstock BS3-2-



Mueller: WC-405 wrot
C-105 cast
Elkhart: 103-2 wrot
4703-2 cast
Nibco: 603-2 wrot
703-2 cast

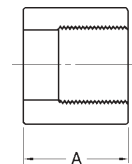
FTG x F

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim. A
BS3-2-08	1/2	50	--	.09	1-3/8

BUSHING - FLUSH

Fitting x Female

Barstock BSFLF-



Mueller: WC-106 wrot
-- cast
Elkhart: 119 wrot
-- cast
Nibco: 618 wrot
-- cast

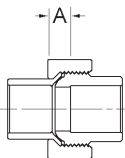
FTG x F

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim. A
BSFLF-08-02	1/2 X 1/8	100	1000	.03	9/16
BSFLF-08-04	1/2 X 1/4	100	1800	.03	9/16
BSFLF-12-02	3/4 X 1/8	25	300	.13	13/16
BSFLF-12-06	3/4 X 3/8	50	500	.05	13/16
BSFLF-20-08	1 1/4 X 1/2	5	--	.32	1-1/32

UNION

Copper x Copper

Barstock BS33-



Mueller: WC-407 wrot
C-107 cast
Elkhart: 102 wrot
4733 cast
Nibco: 633 wrot
733 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim. A
BS33-08	1/2	50	300	.12	1/2
BS33-12	3/4	25	125	.25	21/32
BS33-16	1	25	125	--	--



NOMINAL TO O.D. EQUIVALENCE

Plg. & Htg.	
Nominal Size	O.D. Size
1/8"	1/4"
1/4"	3/8"
3/8"	1/2"
1/2"	5/8"
5/8"	3/4"
3/4"	7/8"
1"	1-1/8"
1-1/4"	1-3/8"
1-3/8"	1-1/2"
1-1/2"	1-5/8"
1-5/8"	1-3/4"
1-3/4"	1-7/8"
2"	2-1/8"
2-1/4"	2-3/8"
2-3/8"	2-1/2"
2-1/2"	2-5/8"
2-5/8"	2-3/4"
2-3/4"	2-7/8"
3"	3-1/8"

***Available from
CELLO PRODUCTS***

- ➔ *Brass Fittings*
- ➔ *Brass Nipples*
- ➔ *Brass Flanges*
- ➔ *Solder fittings - cast & wrot*
- ➔ *Solder Flanges*
- ➔ *PEX fittings (Brass)*
- ➔ *Silver braze fittings*
- ➔ *Drainage Plugs*
- ➔ *Dielectric unions*
- ➔ *Sand cloth*
- ➔ *Gas Valves*
- ➔ *Compression flared fittings*

Clean and Bag (Degreased)
 - Available on request
 - Consult sales office

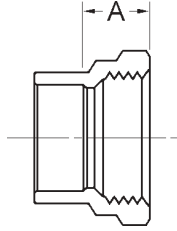
*Ask you Sales Representative for pricing or
 call 1 -800 - 265-7882 for Customer Services.*



ADAPTER - FEMALE

Copper x Female NPT

**Cast Wrot CD83-
WD83-**



Mueller: DW-753 wrot
D-753 cast

Elkhart: 303 wrot
5803 cast

Nibco: 903 wrot
803 cast

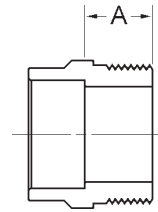
C x F

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WD83-20	1-1/4	20	200	.22	13/16
WD83-24	1-1/2	10	100	.27	13/16
WD83-32	2	10	100	.39	13/16
WD83-48	3	1	1	1.23	1-1/2
CD83-64	4	1	1	3.45	1-7/8
CD83-96	6	1	1	--	--
WD83-20-24	1 1/4 X 1 1/2	10	100	.27	1-5/16
CD83-20-32	1 1/4 x 2	10	100	1.12	
WD83-24-20	1 1/2 X 1 1/4	10	100	.23	11/16
WD83-24-32	1 1/2 X 2	10	100	.53	1-9/16
CD83-32-20	2 x 1 1/4	10	100	.82	--
WD83-32-24	2 X 1 1/2	10	100	.48	7/8

ADAPTER - MALE

Copper x Male NPT

**Cast Wrot CD84-
WD84-**



Mueller: DW-732 wrot
D-732 cast

Elkhart: 304 wrot
5804 cast

Nibco: 904 wrot
804 cast

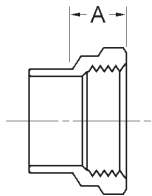
C x M

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WD84-20	1-1/4	10	150	.20	7/8
WD84-24	1-1/2	10	100	.27	15/16
WD84-32	2	10	100	.38	1-1/16
WD84-48	3	1	1	.46	25/32
WD84-64	4	1	1	1.82	25/32
CD84-96	6	1	1	6.70	--
WD84-20-24	1 1/4 X 1 1/2	10	50	.45	13/16
WD84-24-20	1 1/2 X 1 1/4	10	100	.23	15/16
WD84-24-32	1 1/2 X 2	10	50	.53	1-3/4
WD84-32-24	2 X 1 1/2	10	100	.34	1-13/16

ADAPTER - FEMALE STREET

Fitting x Female NPT

Wrot WD83-2-



Mueller: DW-754 wrot
D-754 cast

Elkhart: -- wrot
5803-2 cast

Nibco: 903-2 wrot
803-2 cast

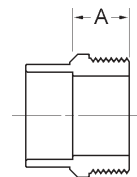
FTG x F

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WD83-2-24	1-1/2	10	100	.33	31/32
WD83-2-32	2	5	100	.46	1-1/16

ADAPTER - MALE STREET

Fitting x Male NPT

**Cast Wrot CD84-2
WD84-2**



Mueller: -- wrot
-- cast

Elkhart: -- wrot
5804-2 cast

Nibco: -- wrot
804-2 cast

FTG x M

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WD84-2-20	1-1/4	10	100	.21	7/8
WD84-2-24	1-1/2	10	100	.29	15/16
WD84-2-32	2	10	100	.43	1-1/16

DRAINAGE FITTINGS Adapters

CELLO PRODUCTS INC



1-800-265-7882

ADAPTER - FLUSH TRAP

Copper x Male

Wrot WD84-F-



C x M

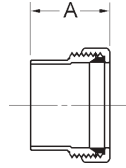
Mueller: -- wrot
D-732C cast
Elkhart: -- wrot
5802-C cast
Nibco: -- wrot
802-C cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WD84-F-20	1 1/4	10	100	--
WD84-F-24	1 1/2	10	100	.14
WD84-F-32	2	10	100	.23

ADAPTER - TRAP - (FTG x SJ)

Fitting x Slip Joint

Wrot WDFSJ-



FTG x SJ

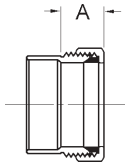
Mueller: WD-724F wrot
D-724F cast
Elkhart: 301-2-7 wrot
Nibco: 901-2-7 wrot
801-2-7 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WDFSJ-20	1-1/4	10	50	-- 1-15/16
WDFSJ-24	1-1/2	10	50	.26 1-11/16
WDFSJ-20-24	1 1/4 X 1 1/2	10	--	.41 1-15/16
WDFSJ-24-20	1 1/2 X 1 1/4	10	50	.30 1-7/8

ADAPTER - TRAP - (C x SJ)

Copper x Slip Joint

Wrot WDSJ-



C x SJ

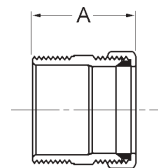
Mueller: WD-724 wrot
Elkhart: 301-7 wrot
5801-7 cast
Nibco: 901-7 wrot
801-7 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WDSJ-20	1-1/4	10	50	.29	13/16
WDSJ-24	1-1/2	10	50	.45	15/16
WDSJ-32	2	10	50	--	1-1/16
WDSJ-20-24	1 1/4 X 1 1/2	10	25	.29	13/16
WDSJ-24-20	1 1/2 X 1 1/4	10	50	.29	13/16

ADAPTER - TRAP - (M x SJ)

Male x Slip Joint

Wrot WDMSJ-



M x SJ

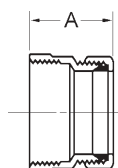
Mueller: DW-756 wrot
-- cast
Elkhart: 304-7 wrot
-- cast
Nibco: 904-7 wrot
804-7 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WDMSJ-20	1-1/4	10	50	.45	1-11/16
WDMSJ-24	1-1/2	10	20	.52	1-13/16
WDMSJ-24-20	1 1/2 X 1 1/4	10	50	--	1-13/16

ADAPTER - TRAP - (FE x SJ)

Female x Slip Joint

Wrot WDFESJ-



FE x SJ

Mueller: DW-757 wrot
Elkhart: 303-7 wrot
Nibco: 903-7 wrot
803-7 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WDFESJ-20	1-1/4	10	50	.61	1-7/16
WDFESJ-24	1-1/2	10	50	.61	1-7/8
WDFESJ-24-20	1 1/2 X 1 1/4	10	50	.52	1-13/16

ADAPTER - TRAP - (C x M)

SCULLY BUSHING

Copper x Male

Wrot WDMSJ-



C x M

Mueller: -- wrot
D-732F cast
Elkhart: -- wrot
5804-S cast
Nibco: -- wrot
802 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WD84-HF-24	1-1/2	25	250	--
WD84-HF-32	2	-	100	--
WD84-HF-24-32	1-1/2 X 2	-	75	--

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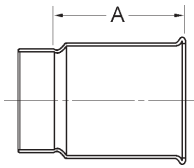


**DRAINAGE FITTINGS
Adapters**

ADAPTER - SOIL PIPE (Ferrule)

Copper x Spigot

Cast CD85-



Mueller: DW-733 wrot
D-733 cast

Elkhart: 305 wrot
-- cast

Nibco: 905 wrot
805 cast

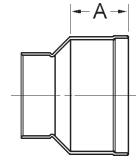
C x SPIGOT

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
CD85-32	2	10	50	.95	2-9/16
CD85-48	3	5	15	1.15	3-1/4
CD85-64	4	1	-	2.98	2-15/16
CD85-20-32	1 1/4 X 2	10	50	.70	2-15/16
CD85-20-48	1 1/4 X 3	5	25	1.55	3-1/2
CD85-24-32	1 1/2 X 2	10	100	2.05	2-13/16
CD85-24-48	1 1/2 X 3	10	50	1.95	3-5/8
CD85-24-64	1 1/2 X 4	5	25	2.69	3-1/16
CD85-32-48	2 X 3	5	20	1.66	3-1/2
CD85-32-64	2 X 4	5	20	2.98	3-1/16
CD85-48-64	3 X 4	5	10	2.28	3

ADAPTER - SOIL PIPE (No Hub)

Copper x No Hub

Cast CD85MJ -
Wrot WD85MJ -



Mueller: -- wrot
D-736N cast

Elkhart: 305-NH wrot
-- cast

Nibco: -- wrot
805-N cast

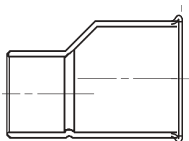
C x NO HUB

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WD85MJ-32	2	10	100	.17	1
CD85MJ-48	3	5	20	2.12	7/8
CD85MJ-64	4	5	20	2.14	7/8
CD85MJ-96	6	2	10	3.31	2-11/16
CD85MJ-20-32	1 1/4 X 2	5	50	.57	1-7/16
CD85MJ-20-48	1 1/4 X 3	5	50	.79	1
CD85MJ-24-32	1 1/2 X 2	5	100	.42	7/8
CD85MJ-24-48	1 1/2 X 3	5	50	1.78	1
CD85MJ-24-64	1 1/2 X 4	5	50	1.73	1-17/32
CD85MJ-32-48	2 X 3	5	50	.90	1
CD85MJ-32-64	2 X 4	5	50	2.56	1-17/32
CD85MJ-48-64	3 X 4	5	20	1.76	1-11/32

ADAPTER - SOIL PIPE (Eccentric)

Copper x Spigot

Cast CD85E -



Mueller: -- wrot
-- cast

Elkhart: -- wrot
-- cast

Nibco: -- wrot
-- cast

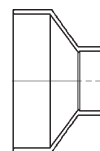
C x SPIGOT

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD85E-48-64	3 X 4 eccentric	-	-	2.29

ADAPTER - SOIL PIPE X ROOF

Soil x Copper Roof

Cast CDROOF-



Mueller: -- wrot
-- cast

Elkhart: -- wrot
-- cast

Nibco: -- wrot
-- cast

SOIL x C Roof

Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.
CDROOF-4A-1C	3 SOIL (4A) x 1-1/2 - 30	1	--
CDROOF-3S-32	3 SOIL (4A) x 2	25	.82
CDROOF-4A-2C	3 SOIL (4A) x 2 - 30	10	2.75
CDROOF-4S-24	4 SOIL (5A) x 1-1/2	18	2.22
CDROOF-4S-32	4 SOIL (5A) x 2	18	2.23
CDROOF-CALG	4 SOIL (5A) x 3 Calgary	18	2.14
CDROOF-REGI	5 SOIL (6A) x 3 Regina	1	--

** A=Actual

DRAINAGE FITTINGS

Bushings / Cleanouts

CELLO PRODUCTS INC

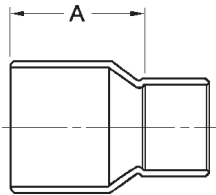


1-800-265-7882

BUSHING - EXTENDED

Fitting x Copper

Wrot WDO-2-



Mueller: DW-742 wrot
-- cast
Elkhart: 301-2 wrot
-- cast
Nibco: 901-2 wrot
801-2 cast

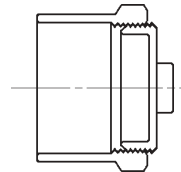
FTG x C

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WDO-2-24-20	1 1/2 X 1 1/4	25	250	.23	7/8
WDO-2-32-20	2 X 1 1/4	10	100	.20	1-3/32
WDO-2-32-24	2 X 1 1/2	10	100	.12	1-3/32
WDO-2-48-20	3 X 1 1/4	10	50	.65	2
WDO-2-48-24	3 X 1 1/2	10	50	.47	1-21/32
WDO-2-48-32	3 X 2	10	50	.38	1-7/16
WDO-2-64-20	4 X 1 1/4	5	10		2
WDO-2-64-24	4 X 1 1/2	5	10		2-1/4
WDO-2-64-32	4 X 2	5	10	1.26	2-1/16
WDO-2-64-48	4 X 3	5	10	1.14	1-13/16

CLEANOUT - FLUSH FITTING

Fitting x Cleanout w/ Plug

Cast Wrot CD89F-
WD89F-



Mueller: -- wrot
D-730F cast
Elkhart: -- wrot
5816-S cast
Nibco: -- wrot
816-S cast

FTG x C/O

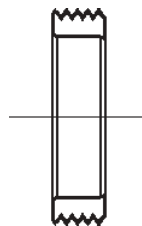
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WD89F-20	1-1/4	25	100	.23
WD89F-24	1-1/2	25	100	.26
WD89F-32	2	5	50	.40
CD89F-48	3	2	25	.91
CD89F-64	4	2	--	2.61
WD89F-24-16	1-1/2 x 1 (1" plug)	25	100	--

BUSHING - TRAP

MARVEL THREAD PIECE

Copper x Male

Wrot WD126-



Mueller: -- wrot
-- cast
Elkhart: -- wrot
5802 cast
Nibco: -- wrot
-- cast

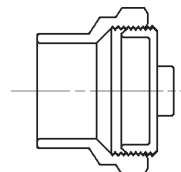
C x M

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WD126-20	1-1/4	100	500	.25
WD126-24	1-1/2	75	500	.32
WD126-32	2	25	100	.37

CLEANOUT - FITTING

Fitting x Cleanout w/ Plug

Cast Wrot CD89P-
WD89P-



Mueller: -- wrot
D-730 cast
Elkhart: -- wrot
5816 cast
Nibco: -- wrot
816 cast

FTG x C/O

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WD89P-20	1-1/4	10	50	.24
WD89P-24	1-1/2	10	25	.33
WD89P-32	2	5	25	.46
CD89P-48	3	2	6	2.98
CD89P-64	4	2	5	4.36
CD89P-96	6	1	1	14.43

See Tees / Test Tee page 43

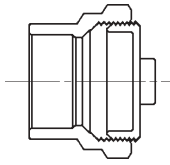
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DRAINAGE FITTINGS
Cleanout / Closet Flange / Coupling

CLEANOUT - TUBE END

Copper x Cleanout w/ Plug



C X C/O

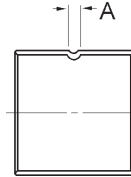
Cast Wrot CD88-
WD88-

Mueller: -- wrot
-- cast
Elkhart: -- wrot
-- cast
Nibco: -- wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WD88-20	1-1/4	10	100	
WD88-24	1-1/2	10	100	.41
WD88-32	2	10	50	.80
WD88-48	3	10	20	1.68
CD88-64	4	10	10	2.64

COUPLING

Copper x Copper



C X C

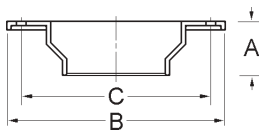
Wrot WD0-

Mueller: DW-741 wrot
-- cast
Elkhart: 301 wrot
-- cast
Nibco: 901 wrot
801 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WD0-20	1-14	25	250	.07	3/32
WD0-24	1-1/2	25	250	.08	3/32
WD0-32	2	10	200	.10	3/32
WD0-48	3	5	50	.24	1/8
WD0-64	4	2	25	.51	5/32
WD0-96	6	1	--	3.43	5/32
WD0-24-20	1-1/2 x 1-1/4	25	250	.09	1/4
WD0-32-20	2 x 1-1/4	10	100	.20	5/16
WD0-32-24	2 x 1-1/2	10	100	.17	5/16
WD0-48-20	3 x 1-1/4	5	50	.69	5/8
WD0-48-24	3 x 1-1/2	5	50	.50	1
WD0-48-32	3 x 2	5	50	.39	5/8
WD0-64-20	4 x 1-1/4	5	10	--	3/4
WD0-64-24	4 x 1-1/2	5	10	--	3/4
WD0-64-32	4 x 2	5	10	1.42	5/8
WD0-64-48	4 x 3	5	10	1.05	7/16
CP1-80-64	5 x 4		10	3.67	--

CLOSET FLANGE

Copper x Closet



C x CLOSET

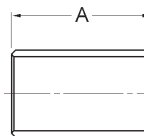
Cast CD102-

Mueller: DW-734 wrot
D-734 cast
Elkhart: 351 wrot
-- cast
Nibco: 951 wrot
851 cast

Item No.	Nom. Size (in inches)	Box / MC	Net Wt. Approx.	Dim A	Dim B	Dim C
CD102-48-64	3 X 4	5/25	1.99	2-1/8	6-15/16	5-3/4
CD102-64	4 X 4	5/25	1.59	7/8	6-7/8	6
CD102E-48-64	3 eccentric	5/25	1.54	1-3/4	6-1/2	5-1/2
CD102F-48-64	3 fitting	5/25	2.00	2	6-7/8	6
CD102MJ-4864	3 MJ	5/25	2.07	2	6-7/8	6
CD102CKLG-64	4 caulking	5/25	1.40	1-5/8	6-9/16	5-3/4
CD102LEAD-64	4 lead, 8 oz	5/25	.43	1/4	6-1/2	5-3/8
CD102PB14-64	4 lead, 14 oz	5/25	1.03	1/8	6-13/16	5-7/8

COUPLING - NO STOP

Copper x Copper



C X C

Wrot WD0-NSTOP-

Mueller: -- wrot
-- cast
Elkhart: 301-NS wrot
-- cast
Nibco: -- wrot
801-RP cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WD0-NSTOP-20	1-1/4	25	400	.13	1-1/4
WD0-NSTOP-24	1-1/2	25	250	.11	1-5/32
WD0-NSTOP-32	2	10	200	.20	1-1/4
WD0-NSTOP-48	3	5	50	.48	1-5/8
WD0-NSTOP-64	4	2	25	.51	2-5/32
WD0-NSTOP-96	6	1	1	1.56	--

DRAINAGE FITTINGS

Coupling / Elbow

CELLO PRODUCTS INC



1-800-265-7882

COUPLING - OD SIZES

Copper x OD

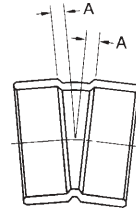
		Wrot	WD0-OD-		
Item No.	OD Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	
WD0-OD-20	1-1/4	10	100	--	
WD0-OD-24	1-1/2	10	100	--	
WD0-OD-24-20	1 1/2 X 1 1/4	10	100	--	

ELBOW - 11 1/4°

Copper x Copper

Cast

CD86-11/



C x C

Mueller: -- wrot
D-704 cast

Elkhart: 309 wrot
-- cast

Nibco: -- wrot
809 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
CD86-11/20	1-1/4	10	100	.18	3/32
CD86-11/24	1-1/2	10	150	.28	3/16
CD86-11/32	2	5	50	.44	3/16
CD86-11/48	3	2	25	.85	3/8
CD86-11/64	4	1	1	1.80	5/16

Abbreviations:

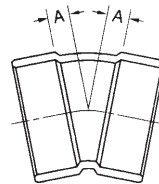
- WP - Wrought Pressure
- WD - Wrought Drainage
- CP - Cast Pressure
- CD - Cast Drainage
- C - Copper Tube End
- M - Male NPT Thread
- F - Female NPT Thread
- SJ - Slip Joint End
- FTG - Fitting End (Street)
- LT - Long Turn
- MJ - Mechanical Joint
- DE - Drop Ear
- DWV - Drain, Waste, Vent
- TY - 90° Drainage Tee
- Y - 45° Drainage Tee

ELBOW - 22 1/2°

Copper x Copper

Cast

CD86-22/



C x C

Mueller: DW-703 wrot
D-703 cast

Elkhart: 308 wrot
-- cast

Nibco: -- wrot
808 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
CD86-22/20	1-1/4	10	150	.18	3/16
CD86-22/24	1-1/2	10	100	.25	1/4
CD86-22/32	2	5	50	.53	5/16
CD86-22/48	3	2	25	1.16	3/4
CD86-22/64	4	1	10	2.10	13/16



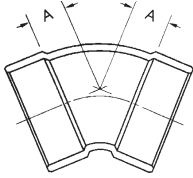
**DRAINAGE FITTINGS
Elbow**

45° ELBOW

Copper x Copper

Cast
Wrot

CD86-45/
WD86-45/



C x C

Mueller: DW-204 wrot
D-702 cast

Elkhart: 306 wrot
-- cast

Nibco: 906 wrot
806 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
WD86-45/20	1-1/4	10	100	.12	7/16
WD86-45/24	1-1/2	10	100	.18	1/2
WD86-45/32	2	10	50	.28	13/16
WD86-45/48	3	10	25	.71	2-1/4
CD86-45/64	4	1	10	1.95	1

45° ELBOW - FEMALE

Copper x Female

Cast

CD86-3-

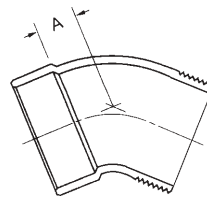
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD86-3-24	1-1/2	10	100	.63

45° ELBOW - MALE

Copper x Male

Cast

CD86-4-



C x M

Mueller: -- wrot
-- cast

Elkhart: -- wrot
-- cast

Nibco: -- wrot
-- cast

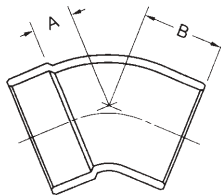
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
CD86-4-20	1-1/4	10	100	.43	5/8
CD86-4-24	1-1/2	10	100	.47	5/8
CD86-4-32	2	10	100	.87	15/16

45° ELBOW - STREET

Fitting x Copper

Cast
Wrot

CD86-2-
WD86-2-



FTG x C

Mueller: DW-205 wrot
D-702F cast

Elkhart: 306-2 wrot
-- cast

Nibco: 906-2 wrot
806-2 cast

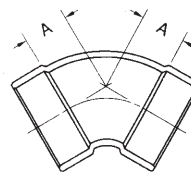
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
WD86-2-20	1-1/4	25	150	.19	11/16	11/16
WD86-2-24	1-1/2	10	100	.18	1	1
WD86-2-32	2	5	50	.32	1-3/16	1-3/16
CD86-2-48	3	2	25	1.17	1-1/8	1-1/8
CD86-2-64	4	1	10	2.19	1-7/16	1-7/16

60° ELBOW

Copper x Copper

Cast

CD86-60/



C x C

Mueller: DW-701 wrot
D-701 cast

Elkhart: 360 wrot
-- cast

Nibco: 960 wrot
860 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
CD86-60/20	1-1/4	10	100	.33	1/2
CD86-60/24	1-1/2	10	100	.31	3/4
CD86-60/32	2	5	50	.64	7/8
CD86-60/48	3	2	25	1.90	1-7/8
CD86-60/64	4	1	10	3.11	2-5/8

DRAINAGE FITTINGS Elbow

CELLO PRODUCTS INC



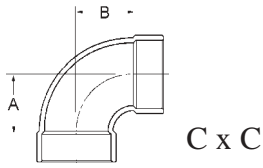
1-800-265-7882

90° ELBOW - SHORT RADIUS

Copper x Copper

Cast
Wrot

CD87-
WD87-



Mueller: DW-200 wrot
D-700 cast

Elkhart: 307 wrot
5807 cast

Nibco: 907 wrot
807 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
WD87-20	1-1/4	10	100	.15	1	1
WD87-24	1-1/2	10	100	.24	1-5/16	1-5/16
WD87-32	2	5	50	.44	1-15/16	1-15/16
CD87-48	3	2	20	2.44	3-9/16	3-9/16
CD87-64	4	1	5	4.05	3-7/8	3-7/8
CD87-24-20	1-1/2 x 1-1/4	10	50	.49	1	1-3/16
CD87-32-20	2 x 1-1/4	5	50	.60	1-1/4	1-1/2
CD87-32-24	2 x 1-1/2	5	50	1.30	1-1/4	1-3/8

90° ELBOW - LONG TURN

Copper x Copper

Wrot WD87LT-



Mueller: DW-700XLT wrot
-- cast

Elkhart: -- wrot
-- cast

Nibco: 907LT wrot
-- cast

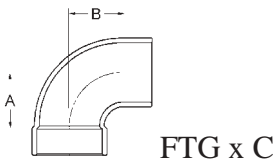
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WD87LT-24	1-1/2	5	20	.41
WD87LT-32	2	5	20	.62

90° ELBOW - STREET (Short Radius)

Fitting x Copper

Cast
Wrot

CD87-2-
WD87-2-



Mueller: DW-203 wrot
D-700F cast

Elkhart: 307-2 wrot
-- cast

Nibco: 907-2 wrot
807-2 cast

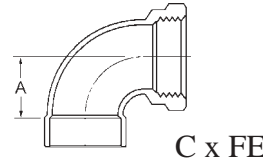
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A	Dim B
WD87-2-20	1-1/4	10	100	.15	1-1/4	1-11/16
WD87-2-24	1-1/2	10	100	.22	1-3/8	2-3/16
WD87-2-32	2	5	50	.43	1-5/8	2-9/16
CD87-2-48	3	2	10	2.53	2-1/2	3-1/4
CD87-2-64	4	1	5	4.34	3-5/16	4-3/8

90° ELBOW - FEMALE

Copper x Female

Cast

CD87-3-



Mueller: -- wrot
-- cast

Elkhart: -- wrot
-- cast

Nibco: -- wrot
807-3 cast

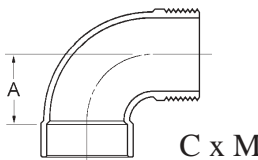
Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
CD87-3-20	1-1/4	5	50	.59	1-1/2
CD87-3-24	1-1/2	5	50	.73	1-3/4
CD87-3-32	2	2	25	1.27	1-7/8
CD87-3-48	3	2	1	3.94	2-3/4

90° ELBOW - MALE

Copper x Male

Cast

CD87-4-



Mueller: -- wrot
-- cast

Elkhart: -- wrot
-- cast

Nibco: -- wrot
807-4 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
CD87-4-20	1-1/4	5	50	.55	1-1/2
CD87-4-32	2	5	25	1.14	2

90° ELBOW - DOUBLE

Copper x Copper x Copper

Cast

CD87D-



Mueller: -- wrot
D-706 cast

Elkhart: -- wrot
5837 cast

Nibco: -- wrot
837 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD87D-24	1-1/2	5	20	.77
CD87D-32	2	5	20	1.38
CD87D-32-24	2 x 1-1/2 x 1-1/2	5	20	.98

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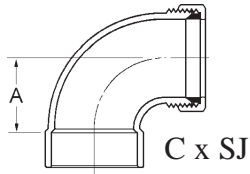


**DRAINAGE FITTINGS
Elbow / Plugs / Drum Trap**

90° ELBOW - SLIP JOINT

Copper x Slip Joint

Cast **CD87SJ-**



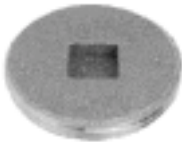
Mueller: -- wrot
-- cast
Elkhart: -- wrot
-- cast
Nibco: -- wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.	Dim A
CD87SJ-24	1-1/2	10	100	.65	1-3/4
CD87SJ-24-20	1-1/2 x 1-1/4	10	100	.66	1-3/4

PLUG - COUNTERSUNK

Brass Flush Plug

Cast **CD91C-**



Mueller: -- wrot
-- cast
Elkhart: -- wrot
-- cast
Nibco: -- wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD91C-20	1-1/4	12	144	.12
CD91C-24	1-1/2	12	144	.12
CD91C-32	2	12	144	.20
CD91C-40	2-1/2	12	144	.31
CD91C-48	3	10	100	.46
CD91C-56	3-1/2	10	100	.57
CD91C-64	4	5	50	.71
CD91C-80	5	5	25	.96
CD91C-96	6	5	25	1.61

w/ tapped 1/4 x 20 thread

Cast **CD91CT-**

CD91CT-32	2	12	144	.20
CD91CT-48	3	10	100	.43
CD91CT-64	4	10	100	.69
CD91CT-80	5	5	25	.99
CD91CT-96	6	5	25	1.54

PLUG - RAISED HEAD

Brass Plug

Cast **CD91R-**



Mueller: -- wrot
D-745 cast
Elkhart: -- wrot
5819 cast
Nibco: -- wrot
818 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD91R-12	3/4	12	144	.06
CD91R-16	1	12	144	.10
CD91R-20	1-1/4	12	144	.11
CD91R-24	1-1/2	12	144	.13
CD91R-32	2	12	144	.21
CD91R-40	2-1/2	10	100	.30
CD91R-48	3	10	100	.46
CD91R-56	3-1/2	5	50	.53
CD91R-64	4	5	50	.66
CD91R-80	5	5	25	1.00
CD91R-96	6	5	25	1.57

w/ tapped 1/4 x 20 thread

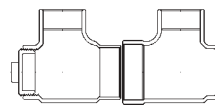
Cast **CD91RT-**

CD91RT-32	2	12	144	.21
CD91RT-48	3	10	100	.44
CD91RT-64	4	10	50	.72
CD91RT-80	5	5	25	.92
CD91RT-96	6	5	25	1.44

DRUM TRAP - SWIVEL

Copper x Copper w/ Cleanout

Cast **CD-DRUM-**



C x C

Mueller: -- wrot
D-778 cast
Elkhart: -- wrot
5891 cast
Nibco: -- wrot
891 cast

Item No.	Nom. Size (in inches)	Mstr	Net Wt. Approx.
CD-DRUM TRAP	3 x 6 x 1-1/2 x 1-1/2	20	2.92

DRAINAGE FITTINGS P-TRAP

CELLO PRODUCTS INC



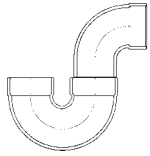
1-800-265-7882

P-TRAP (NO CLEANOUT)

Standard P-Trap w/ Cast bend, wrot street 90°

Copper x Copper

Cast CD82N/CO-



C x C

Mueller: -- wrot
D-760 cast
Elkhart: -- wrot
5550 cast
Nibco: -- wrot
885 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD82N/CO-20	1 1/4 (w/wrot elbow)	15		.83
CD82N/CO-24	1 1/2 (w/wrot elbow)	25		1.03
CD82N/CO-32	2 (w/wrot elbow)	25		2.14

ALL CAST w/ Cast bend , Cast street 90°
If all cast required please note.

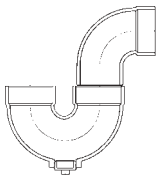
CD82N/CO-20C	1 1/4 (all cast)	15		1.12
CD82N/CO-24C	1 1/2 (all cast)	25		1.27
CD82N/CO-32C	2 (all cast)	25		2.38
CD82N/CO-48C	3 (all cast)	5		6.35

P-TRAP W/ CLEANOUT

Standard P-Trap w/ Cast bend, wrot street 90°

Copper x Copper

Cast CD82W/CO-



C x C

Mueller: -- wrot
D-7601 cast
Elkhart: -- wrot
5551 cast
Nibco: -- wrot
884 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD82W/CO-20	1 1/4 (w/wrot elbow)	15		.89
CD82W/CO-24	1 1/2 (w/wrot elbow)	25		1.17
CD82W/CO-32	2 (w/wrot elbow)	25		2.35

ALL CAST w/ Cast bend , Cast street 90°
If all cast required please note.

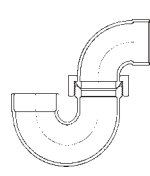
CD82W/CO-20C	1 1/4 (all cast)	15		1.20
CD82W/CO-24C	1 1/2 (all cast)	25		1.80
CD82W/CO-32C	2 (all cast)	25		2.65
CD82W/CO-48C	3 (all cast)	5		-

Standard P-traps come with cast bend, wrot street 90. If all cast required please note.

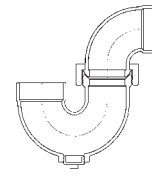
P-TRAP GROUND SWIVEL JOINT

Copper x Copper

Cast CDGJS-



C x C



C x C x c/o

Mueller: -- wrot
D-760 cast
Elkhart: -- wrot
5550 cast
Nibco: -- wrot
885 cast

Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.
CDGJS-24L	1 1/2 (less cleanout)	20	2.09
CDGJS-24W	1 1/2 (with cleanout)	20	2.09

P-TRAP W/ CLEANOUT

Copper x Slip Joint

Cast CD82JS-



C x SJ

Mueller: -- wrot
D-763 cast
Elkhart: -- wrot
5555 cast
Nibco: -- wrot
880 cast

Item No.	Nom. Size (in inches)	Mstr Crtn	Net Wt. Approx.
CD82SJ-24W	1 1/4	25	1.69

P-TRAP W/UNION JOINT

Copper x Slip Joint (L.A. Style)

Cast CD82LA-



C x SJ

Mueller: -- wrot
D-740 cast
Elkhart: -- wrot
5559 cast
Nibco: -- wrot
892-LA cast

Item No.	Nom. Size (in inches)	Box / Mstr	Net Wt. Approx.
CD82LA-24L	1 1/2 less cleanout	5/25	1.78
CD82LA-24W	1 1/2 with cleanout	5/25	1.71

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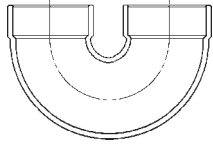


DRAINAGE FITTINGS
Return Bend/ Slip Joint nuts/ S-Traps

RETURN BEND (NO CLEANOUT)

Copper x Copper

Cast CD82N/BDY-



C x C

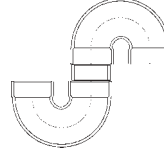
Mueller: -- wrot
D-782 cast
Elkhart: -- wrot
5879 cast
Nibco: -- wrot
879 cast

Item No.	Nom. Size (in inches)	Mstr	Net Wt. Approx.
CD82N/BDY-20	1-1/4	50	--
CD82N/BDY-24	1-1/2	35	.83
CD82N/BDY-32	2	18	1.43
CD82N/BDY-48	3	12	--

S-TRAP (NO CLEANOUT)

Copper x Copper

Cast CD82SN/CO-



C x C

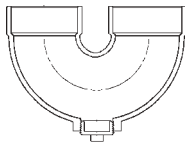
Mueller: -- wrot
-- cast
Elkhart: -- wrot
-- cast
Nibco: -- wrot
-- cast

Item No.	Nom. Size (in inches)	Mstr	Net Wt. Approx.
CD82SN/CO-20	1-1/4	25	.84
CD82SN/CO-24	1-1/2	25	1.01
CD82SN/CO-32	2	25	2.15

RETURN BEND W/ CLEANOUT

Copper x Copper

Cast CD82W/BDY-



C x C

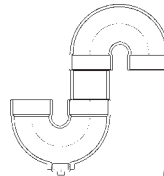
Mueller: -- wrot
D-783 cast
Elkhart: -- wrot
5878 cast
Nibco: -- wrot
878 cast

Item No.	Nom. Size (in inches)	Mstr	Net Wt. Approx.
CD82W/BDY-20	1-1/4	50	--
CD82W/BDY-24	1-1/2	35	--
CD82W/BDY-32	2	18	1.70

S-TRAP W/ CLEANOUT

Copper x Copper

Cast CD82SW/CO-



C x C

Mueller: -- wrot
-- cast
Elkhart: -- wrot
-- cast
Nibco: -- wrot
-- cast

Item No.	Nom. Size (in inches)	Mstr	Net Wt. Approx.
CD82SW/CO-20	1-1/4	25	.89
CD82SW/CO-24	1-1/2	25	1.17
CD82SW/CO-32	2	25	2.35

SLIP JOINT NUT

Brass

Brass CD127B-

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD127B-20	1-1/4	50	250	.07
CD127B-24	1-1/2	50	250	.08
CD127B-32	2	50	250	--

DRAINAGE FITTINGS

Tee / Test Tee / Test Cap

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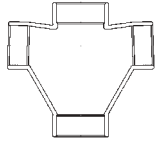


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TEE - DOUBLE WASTE FITTING

(CROSS / UTILITY TEE)

C x C x C x C Cast CD100-



C x C x C x C

Mueller: -- wrot
D-718 cast

Elkhart: -- wrot
5835 cast

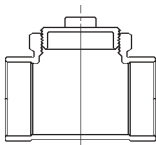
Nibco: -- wrot
835 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD100-20	1-1/4	5	25	1.73
CD100-24	1-1/2	5	25	1.73
CD100-242020	1-1/2 x 1-1/4 x 1-1/4 x 1-1/4	5	25	1.73
CD100-242024	1-1/2 x 1-1/4 x 1-1/2 x 1-1/2	5	25	1.75
CD100-242420	1-1/2 x 1-1/2 x 1-1/4 x 1-1/4	5	25	1.58
CD100-322024	2 x 1-1/4 x 1-1/2 x 1-1/2	5	25	1.90
CD100-322420	2 x 1-1/2 x 1-1/4 x 1-1/4	5	15	2.17
CD100-322424	2 x 1-1/2 x 1-1/2 x 1-1/2	5	25	1.93
CD100-323224	2 x 2 x 1-1/2 x 1-1/4	5	25	--

TEST TEE - LINE CLEANOUT

Copper x Copper x Cleanout w/ Plug

Cast CD90-



C x C x c/o

Mueller: -- wrot
D-714 cast

Elkhart: -- wrot
5814 cast

Nibco: -- wrot
814 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD90-20	1-1/4	5	50	.54
CD90-24	1-1/2	5	50	.68
CD90-32	2	5	25	1.23
CD90-48	3	2	10	2.29
CD90-64	4	2	5	6.99

Copper x Copper x Cleanout w/ Plug
Full Size Threaded Plug

Cast CD90P -

CD90P-24	1 1/2	5	20	.93
CD90P-32	2	5	25	1.48
CD90P-48	3	5	25	3.63

TEST CAP - DWV

Use for testing only

Cast WPTEST-



Mueller: DW-798T wrot
-- cast

Elkhart: 316-T wrot
-- cast

Nibco: 917B wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
WPTEST-08	1/2	100	2500	.01
WPTEST-12	3/4	100	600	.01
WPTEST-16	1	100	600	.01
WPTEST-20	1-1/4	100	600	.01
WPTEST-24	1-1/2	100	600	.01
WPTEST-32	2	50	300	.02
WPTEST-48	3	50	300	.04

CONDENSATE TEE

Slip Joint x OD x Male (Robinson Tee)

Cast CDSJ-

Item No.	Nom. Size (in inches)
CDSJ-24 WSO	1-1/2 SJ X OD X 3/4 MALE BRANCH

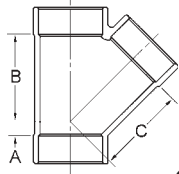
CELLO PRODUCTS, INC * PHONE: (519) 621-9150 * FAX: (519) 621-4108



45°WYE

Copper x Copper x Copper

Cast **CD80-**



C x C x C

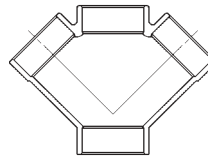
Mueller: -- wrot
D-719 cast
Elkhart: 310 wrot
5810 cast
Nibco: -- wrot
810 cast

Item No.	Nom. Size (in inches)	Crtn / Mstr	Net Wt. Approx.	Dim A	Dim B	Dim C
CD80-20	1-1/4	10/50	.54	1/4	1-3/4	1-11/16
CD80-24	1-1/2	10/50	.75	5/16	2-3/16	2-1/8
CD80-32	2	5/25	1.57	1/2	2-11/16	2-3/8
CD80-48	3	2/10	3.60	11/16	4-5/16	4-5/16
CD80-64	4	1/5	6.18	11/16	5-1/8	5-1/2
CD80-242020	1-1/2 x 1-1/4 x 1-1/4	5/50	.78	1/8	1-7/8	1-7/8
CD80-242024	1-1/2 x 1-1/4 x 1-1/2	5/50	.76	4/16	1-3/4	1-3/4
CD80-242420	1-1/2 x 1-1/2 x 1-1/4	5/50	.65	1/4	2	2
CD80-322020	2 x 1-1/4 x 1-1/4	5/50	1.29	3/8	2-5/16	2-1/16
CD80-322024	2 x 1-1/4 x 1-1/2	5/25	1.12	4/16	2-5/16	2-1/8
CD80-322032	2 x 1-1/4 x 2	5/25	1.42	7/16	2-5/8	2-3/8
CD80-322420	2 x 1-1/2 x 1-1/4	5/25	1.12	1/4	2-1/2	2-1/8
CD80-322424	2 x 1-1/2 x 1-1/2	5/50	.82	1/8	2-3/16	2-3/16
CD80-322432	2 x 1-1/2 x 2	5/25	1.58	1/4	2-1/8	2-1/4
CD80-323220	2 x 2 x 1-1/4	5/25	1.02	9/16	2-5/8	2-3/8
CD80-323224	2 x 2 x 1-1/2	5/25	1.05	3/8	1-7/8	2-1/8
CD80-483232	3 x 2 x 2	2/10	1.72	--	--	--
CD80-484820	3 x 3 x 1-1/4	3/25	1.87	--	2-7/8	3-1/4
CD80-484824	3 x 3 x 1-1/2	3/25	1.66	--	2-13/16	3-1/4
CD80-484832	3 x 3 x 2	3/20	2.04	3/16	3-1/8	3-5/16
CD80-646420	4 x 4 x 1-1/4	2/8	2.46	--	--	--
CD80-646424	4 x 4 x 1-1/2	2/8	3.05	--	3-1/4	3-13/16
CD80-646432	4 x 4 x 2	2/8	3.39	1/16	3-1/4	3-3/8
CD80-646448	4 x 4 x 3	2/5	4.80	5/16	4-1/4	4-3/16

45° SAN WYE - DOUBLE

Copper x Copper x Copper x Copper

Cast **CD80D-**



C x C x C x C

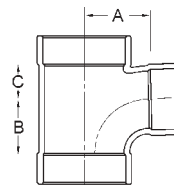
Mueller: -- wrot
D-720 cast
Elkhart: -- wrot
5834 cast
Nibco: -- wrot
834 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD80D-20	1-1/4	5	25	1.07
CD80D-24	1-1/2	5	25	1.28
CD80D-32	2	5	12	1.89
CD80D-48	3	5	15	4.63
CD80D-24-20	1-1/2 x 1-1/2 x 1-1/4 x 1-1/4	5	15	1.24
CD80D-242024	1-1/2 x 1-1/4 x 1-1/2 x 1-1/2	5	25	1.22
CD80D-32-20	2 x 2 x 1-1/4 x 1-1/4	5	25	1.48
CD80D-32-24	2 x 2 x 1-1/2 x 1-1/2	5	25	1.31
CD80D-48-20	3 x 3 x 1-1/4 x 1-1/4	5	15	1.31
CD80D-48-24	3 x 3 x 1-1/2 x 1-1/2	5	15	1.92

90° TEE (T-Y) SANITARY TEE

Copper x Copper x Copper

Cast **CD81-**



C x C x C

Mueller: DW-707 wrot
D-707 cast
Elkhart: 311 wrot
5811 cast
Nibco: 911 wrot
811 cast

Item No.	Nom. Size (in inches)	Crtn / Mstr	Net Wt. Approx.	Dim A	Dim B	Dim C
CD81-20	1-1/4	10/50	.42	1-5/16	1-1/16	11/16
CD81-24	1-1/2	10/50	.62	1-5/16	1-3/8	11-1/16
CD81-32	2	5/25	1.17	1-13/16	1-11/16	15/16
CD81-48	3	5/10	2.27	2-1/4	2-7/16	1-3/8
CD81-64	4	1/5	5.10	3-3/4	3-3/4	2-1/8
CD81-242020	1-1/2 x 1-1/4 x 1-1/4	5/50	.64	1-3/16	1-1/4	3/4
CD81-242024	1-1/2 x 1-1/4 x 1-1/2	5/50	.57	1-3/8	1-1/4	3/4
CD81-242420	1-1/2 x 1-1/2 x 1-1/4	5/50	.51	1-1/4	1-1/8	5/8
CD81-322020	2 x 1-1/4 x 1-1/4	5/25	.84	1-5/8	1-5/16	7/8
CD81-322024	2 x 1-1/4 x 1-1/2	5/25	.89	1-5/8	1-1/4	15/16
CD81-322032	2 x 1-1/4 x 2	5/25	1.44	1-5/8	1-3/4	1-3/8
CD81-322420	2 x 1-1/2 x 1-1/4	5/50	.74	1-3/8	1-3/8	3/4

DRAINAGE FITTINGS

Tee

CELLO PRODUCTS INC



1-800-265-7882

90° TEE (T-Y) (continued)

Copper x Copper x Copper

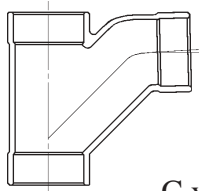
Item No.	Nom. Size (in inches)	Crtn / Mstr	Net Wt. Approx.	Dim A	Dim B	Dim C
CD81-322424	2 x 1-1/2 x 1-1/2	5/50	.77	1-1/2	1-1/4	15/16
CD81-322432	2 x 1-1/2 x 2	5/25	1.54	2-1/16	1-15/16	1-1/16
CD81-323220	2 x 2 x 1-1/4	5/50	.84	1-3/8	1-1/8	3/4
CD81-323224	2 x 2 x 1-1/2	5/50	.79	1-5/8	1-3/8	3/4
CD81-482420	3 x 1-1/2 x 1-1/4	5/25	1.17	2-5/16	1-5/16	3/8
CD81-483224	3 x 2 x 1-1/2	5/25	1.49	1-7/8	1-5/8	1
CD81-484820	3 x 3 x 1-1/4	5/25	1.37	2-1/8	1-1/8	3/4
CD81-484824	3 x 3 x 1-1/2	5/25	1.43	2-1/8	1-7/16	3/4
CD81-484832	3 x 3 x 2	5/25	1.50	2-3/16	1-9/16	1-1/4
CD81-646424	4 x 4 x 1-1/2	2/8	2.54	2-3/4	1-3/4	13/16
CD81-646432	4 x 4 x 2	2/8	3.16	2-7/8	1-13/16	1-1/16
CD81-646448	4 x 4 x 3	2/8	3.98	3-3/8	2-3/4	1-5/8

90° TEE (T-Y) LONG TURN

Copper x Copper x Copper

Combo Y + 45°

Cast CD81L-



Mueller: -- wrot D-715 cast
Elkhart: -- wrot 5812 cast
Nibco: -- wrot 812 cast

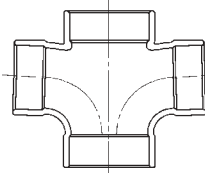
C x C x C

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD81L-20	1-1/4	5	25	1.32
CD81L-24	1-1/2	5	25	1.01
CD81L-32	2	5	15	2.24
CD81L-242420	1-1/2 x 1-1/2 x 1-1/4	5	25	1.06
CD81L-323224	2 x 2 x 1-1/2	5	15	2.63

90° TEE (T-Y) (CROSS) DOUBLE SANITARY TEE

Copper x Copper x Copper x Copper

Cast CD81D-



C x C x C x C

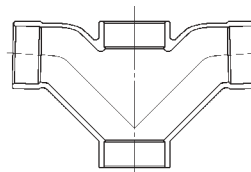
Mueller: -- wrot D-718 cast
Elkhart: -- wrot 5835 cast
Nibco: -- wrot 835 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD81D-20	1-1/4	5	50	.86
CD81D-24	1-1/2	5	25	.93
CD81D-32	2	5	25	1.55
CD81D-48	3	5	25	3.61
CD81D-64	4	5	10	--
CD81D-242020	1-1/2 x 1-1/4 x 1-1/4 x 1-1/4	5	25	.74
CD81D-242024	1-1/2 x 1-1/4 x 1-1/2 x 1-1/2	5	25	1.00
CD81D-24-20	1-1/2 x 1-1/2 x 1-1/4 x 1-1/4	5	25	.69
CD81D-32-20	2 x 2 x 1-1/4 x 1-1/4	5	25	1.24
CD81D-32-24	2 x 2 x 1-1/2 x 1-1/2	5	25	1.00
CD81D-48-20	3 x 3 x 1-1/4 x 1-1/4	5	25	1.36
CD81D-48-24	3 x 3 x 1-1/2 x 1-1/2	5	20	1.58
CD81D-48-32	3 x 3 x 2 x 2	5	10	2.30
CD81D-64-32	4 x 4 x 2 x 2	5	10	3.29
CD81D-64-48	4 x 4 x 3 x 3	5	10	5.55

90° TEE (T-Y) LONG TURN DOUBLE SANITARY TEE

Copper x Copper x Copper x Copper

Cast CD81DL-



C x C x C x C

Mueller: -- wrot D-717 cast
Elkhart: -- wrot 5836 cast
Nibco: -- wrot 836 cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD81DL-20	1-1/4	5	25	1.74
CD81DL-24	1-1/2	5	25	1.92
CD81DL-32	2	5	25	3.34

Continued next page

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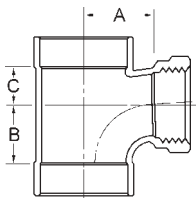
DRAINAGE FITTINGS
Tee

90° TEE (T-Y) LONG TURN (cont.)
DOUBLE SANITARY TEE
Copper x Copper x Copper x Copper

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD81DL-48	3	5	25	4.90
CD81DL-24-20	1-1/2 x 1-1/2 x 1-1/4 x 1-1/4	5	25	1.43
CD81DL242024	1-1/2 x 1-1/4 x 1-1/2 x 1-1/2	5	25	--
CD81DL-32-20	2 x 2 x 1-1/4 x 1-1/4	5	25	3.88
CD81DL-32-24	2 x 2 x 1-1/2 x 1-1/2	5	25	3.50
CD81DL-48-24	3 x 3 x 1-1/2 x 1-1/2	5	25	2.39
CD81DL-48-32	3 x 3 x 2 x 2	5	25	3.59

90° TEE (T-Y) FEMALE
Copper x Copper x Female

Cast CD813-



C x C x FE

Mueller: -- wrot
D-708 cast

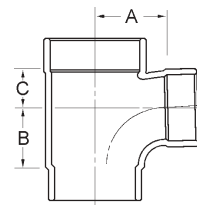
Elkhart: -- wrot
5811-CCF cast

Nibco: -- wrot
811-14 cast

Item No.	Nom. Size (in inches)	Crtn / Mstr	Net Wt. Approx.	Dim A	Dim B	Dim C
CD813-24	1-1/2	5/25	.97	1-5/16	1-7/16	3/4
CD813-322424	2 x 1-1/2 x 1-1/2	5/25	1.03	1-5/8	1-5/16	7/8

90° TEE (T-Y) FITTING
Copper x Fitting x Copper

Cast CD812-



C x FTG x C

Mueller: -- wrot
-- cast

Elkhart: -- wrot
-- cast

Nibco: -- wrot
-- cast

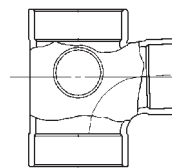
Item No.	Nom. Size (in inches)	Crtn / Mstr	Net Wt. Approx.	Dim A	Dim B	Dim C
CD812-48	3	5/20	2.29	2-3/16	3	1-9/16
CD812-484820	3 x 3 x 1-1/4	5/25	1.46	2-1/8	1-1/8	11/16
CD812-484824	3 x 3 x 1-1/2	5/25	1.49	2	1-5/16	11/16
CD812-484832	3 x 3 x 2	5/20	1.75	2-1/16	1-5/8	1-5/16

90° TEE (T-Y) SIDEOUT

Sanitary Tee w/ 90 Sideout

Copper x Copper x Copper x Copper

Cast CD81S0- (right)
Cast CD81SL- (left)



C x C x C x C

Mueller: -- wrot
-- cast

Elkhart: -- wrot
-- cast

Nibco: -- wrot
-- cast

Item No.	Nom. Size (in inches)	Box Qty	Mstr Crtn	Net Wt. Approx.
CD81S0-48-24	3 x 3 x 3 x 1-1/2 RH	--	10	3.35
CD81SL-48-24	3 x 3 x 3 x 1-1/2 LH	--	10	3.35





Wrot Fittings for Oxygen and Medical Gas Services

Cello Products Incorporated supplies "Cleaned and Degreased" wrot copper fittings for use in Oxygen and Medical Gas Services. The Purpose of cleaning and bagging is to assure that the fittings are free of carbon based contaminants, and that they remain that way until they reach the job site. The methods used in providing these parts are listed below:

- 1.) Presoak is used to remove any surface oils, soaps or dust which adhere to the parts surface as a result of the manufacturing process. Presoak is a non alkaline based compound, heated to a temperature of 160 degrees Fahrenheit. All fittings are barrel rolled in the presoak solution for a period of time calculated in accordance with the load, in order to insure a thorough cleaning of parts.
- 2.) The non alkaline cleaner is a mixture of Caustic Soda, Sodium tripolyphosphate, Sodium Silicate, and Sodium Lignosulphate in combination with proprietary surfactants.
- 3.) The parts are then thoroughly rinsed in a clear cold water bath and then immersed in a cleaning solution of Craft CPB30, Ferric sulfate and Sulphuric Acid.
- 4.) The parts are then blown dry, and packaged in FDA approved polypropylene bagging to insure the integrity of the parts and to prevent contamination from handling.
- 5.) The overall process is designed to produce parts which conform to NFPA 56F, NFPA 99C and ASTM B819 standards for cleanliness. These parts are then of a quality to be used in Oxygen and Medical Gas service systems.
- 6.) Ongoing quality tests and documentation are a standard part of Cello's quality control process, and of our ISO 9002 certification.

Clean and Bag (Degreased)

- Available on request
- Consult sales office

Product Specification:

Cello Products Inc. certifies that it manufactures all its cast brass and wrought copper solder joint fittings to the general specifications outlined in the following industry standards:

<i>Wrought Copper and Copper Alloy Solder Joint Pressure Fittings:</i>	ASME/ANSI Std. B16.22 - 2001
<i>Cast Copper Alloy Solder Joint Pressure Fittings:</i>	ASME/ANSI Std. B16.18 - 2001
<i>Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings -- DWV</i>	ASME/ANSI Std. B16.29 - 2001
<i>Cast Copper Alloy Solder Joint Drainage Fittings:</i>	ASME/ANSI Std. B16.23 - 2002
<i>Bronze Pipe Flanges and Flanged Fittings:</i>	ASME/ANSI Std. B16.24 - 2001
<i>Cast Bronze Threaded Fittings:</i>	ASME/ANSI Std. B16.15 - 1985
<i>Wrought Copper and Copper Alloy Braze - Joint Pressure Fitting</i>	ASME/ANSI Std. B16.50 - 2001
<i>Cast Copper Alloy Pipe Flanges and Flanged Fittings</i>	ASME/ANSI Std. B16.24 - 2001
<i>Wrought Copper LW Solder Joint Pressure Fittings:</i>	MSS SP-104 - 1990
<i>Cast Copper Alloy Flanges and Flanged Fittings Class 125, 150, 300:</i>	MSS SP-106 - 1990

Cello further certifies that the materials used to manufacture these fittings are made in compliance with the following industry standards:

Tubular Wrought Copper:

Standard Specification for Seamless Copper Tube: ASTM B75 Alloy C12200

Products Made From Sheet:

*Standard Specification for Copper Sheet, Strip, Plate
and Rolled Bar:* ASTM B152 Alloy C11000

Cast Products:

*Standard Specification for Copper Alloy Sand Castings for General
Applications; Federal Specification WW-U-516 for Type III,
Class A and B Copper Alloy Unions:* ASTM B584 Alloy C84400

The industry standards are: ANSI (American National Standards Institute); ASME (The American Society of Mechanical Engineers); MSS (Manufacturers Standardization Society of the Valve and Fittings Industry Inc.); ASTM (American Society for Testing and Materials).

All Cello Products Inc. wrought copper fittings are NSF 61 registered.

All pressure fittings manufactured by Cello Products Inc. have Canadian Registration Numbers (CRN)

0A4925.5C Pressure pipe fittings

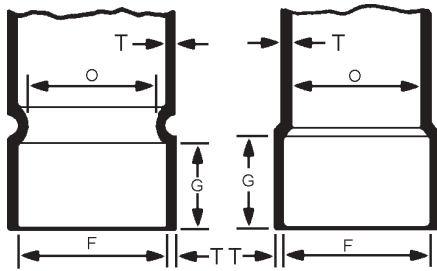
0B4925.5C Flanges

(note - the 5 is needed to designate the first province of registration)

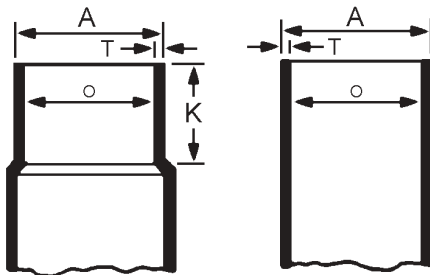
International Quality Standard: Cello Products is certified to ISO 9002 standards through QMI (Quality Management Institute) and will be certified to ISO 9001:2000, by 2004.

Dimensions of Solder Joint Ends - Pressure Fittings (inches)

Wrought-Copper and Wrought-Copper Alloy Solder Joint Pressure Fittings



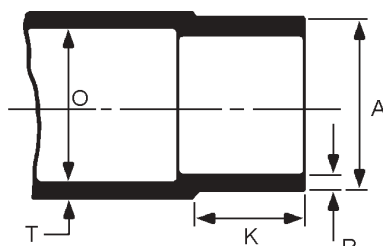
FEMALE (COPPER)



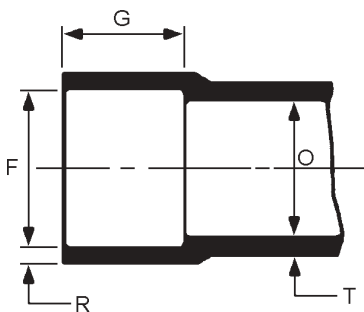
MALE (FITTING)

Standard Water Tube Size	Male End (fitting end)			Female End (copper end)			Metal Thickness T		Inside Dia. Of Fitting O Min.
	Outside Diameter A		Length K	Inside Diameter F		Depth G	Min.	Min.	
	Min.	Max.	Min.	Min.	Max.	Min.			
1/8	0.248	0.251	0.31	0.252	0.256	0.25	0.019	0.18	
1/4	0.373	0.376	0.38	0.377	0.381	0.31	0.023	0.30	
3/8	0.497	0.501	0.44	0.502	0.506	0.38	0.026	0.39	
1/2	0.622	0.626	0.56	0.627	0.631	0.50	0.029	0.52	
5/8	0.747	0.751	0.69	0.752	0.756	0.62	0.031	0.63	
3/4	0.872	0.876	0.81	0.877	0.881	0.75	0.033	0.74	
1	1.122	1.127	0.97	1.128	1.132	0.91	0.040	0.98	
1 1/4	1.372	1.377	1.03	1.378	1.382	0.97	0.044	1.23	
1 1/2	1.621	1.627	1.16	1.628	1.633	1.09	0.051	1.47	
2	2.121	2.127	1.41	2.128	2.133	1.34	0.059	1.94	
2 1/2	2.621	2.627	1.53	2.628	2.633	1.47	0.067	2.42	
3	3.121	3.127	1.72	3.128	3.133	1.66	0.075	2.89	
3 1/2	3.621	3.627	1.97	3.628	3.633	1.91	0.086	3.37	
4	4.121	4.127	2.22	4.128	4.133	2.16	0.096	3.84	
5	5.121	5.127	2.72	5.128	5.133	2.66	0.111	4.70	
6	6.121	6.127	3.22	6.128	6.133	3.09	0.124	5.72	
8	8.119	8.127	4.09	8.128	8.133	3.97	0.173	7.55	

Cast Copper Alloy Solder Joint Pressure Fittings



MALE (FITTING)



FEMALE (COPPER)

Standard Water Tube Size	Male End (fitting end)			Female End (copper end)			Metal Thickness +/- 10%		Inside Dia. Of Fitting O Min.
	Outside Diameter A		Length K	Inside Diameter F		Depth G	Body T	Joint R	
	Min.	Max.	Min.	Min.	Max.	Min.			
1/4	0.373	0.376	0.38	0.377	0.381	0.31	0.08	0.05	0.31
3/8	0.497	0.501	0.44	0.502	0.506	0.38	0.09	0.05	0.43
1/2	0.622	0.626	0.56	0.627	0.631	0.50	0.09	0.05	0.54
3/4	0.872	0.876	0.81	0.877	0.881	0.75	0.10	0.06	0.78
1	1.122	1.127	0.97	1.128	1.132	0.91	0.11	0.07	1.02
1 1/4	1.372	1.377	1.03	1.387	1.382	0.97	0.12	0.07	1.26
1 1/2	1.621	1.627	1.16	1.628	1.633	1.09	0.13	0.08	1.50
2	2.121	2.127	1.41	2.128	2.133	1.34	0.15	0.09	1.98
2 1/2	2.621	2.627	1.53	2.628	2.633	1.47	0.17	0.10	2.46
3	3.121	3.127	1.72	3.128	3.133	1.66	0.19	0.11	2.94
3 1/2	3.621	3.627	1.97	3.628	3.633	1.91	0.20	0.12	3.42
4	4.121	4.127	2.22	4.128	4.133	2.16	0.22	0.13	3.90
5	5.121	5.127	2.72	5.128	5.133	2.66	0.28	0.17	4.87
6	6.121	6.127	3.22	6.128	6.133	3.09	0.34	0.20	5.84
8	8.119	8.127	4.09	8.128	8.133	3.97	0.38	0.31	7.72
10	10.119	10.127	4.12	10.128	10.133	4.00	0.48	0.48	9.62
12	12.119	12.127	4.62	12.128	12.133	4.50	0.56	0.56	11.56

bare hands or oily gloves. Skin oils, lubricating oils and grease impair solder flow and wetting of the metal surfaces.

Temperature Ranges

The choice for soldering or brazing will depend upon operating conditions. Solder joints are generally used where the system temperatures do not exceed 250° F and brazed joints can be used where greater strengths are required (ie. high internal pressure), or where system temperatures are as high as 350° F.

Soldering

Applying flux (a non-aggressive soldering flux) is recommended. Stir the flux before use. Flux is designed to remove residual oxides from the surfaces to be joined, protect the surfaces from re-oxidation during heating and promote the wetting of the surfaces by the liquid solder. A thin, even coating of flux should be applied with a brush to both tube and fitting. The use of fingers to apply flux should be avoided as chemicals in the flux can be harmful if carried to the eyes or open cuts.

Types of solder -- There are a variety of solders available that will produce sound, leak-tight joints. Solders that are used for piping applications generally contain tin and varying amounts of either antimony, copper, lead or silver. For potable water systems, solders which do not contain lead are mandatory.

Assembly -- After both surfaces are properly cleaned and fluxed, they should be assembled by placing the fitting on the tube, making sure the tube seats against the base of the fitting socket. A slight twisting motion is suggested to ensure even coverage by the flux. Remove the excess flux with a rag. Because of the heat that is required during soldering and brazing, only cotton rags should be used. Complete all prepared joints within a single work day. Care must be taken to assure that the tube and fittings are properly supported with a uniform capillary space around the entire circumference of the joint. Uniformity of capillary space will ensure good filler metal penetration if the guidelines of successful joint making are followed. Excessive joint clearance can cause the filler metal to crack under stress or vibration.

Heating -- Because of the open flame and high temperatures required for soldering and the flammability of the gases used, safety precautions must be observed. The heat is generally applied by use of an air/fuel torch. These torches can use acetylene or a variety of LP gases. Electric resistance pliers can also be used.

Heating should begin with the flame perpendicular to the tube. This preheat will conduct the initial heat into the socket for even distribution of heat inside and out. Preheating time depends upon the diameter of the joint -- experience will indicate the proper amount of time. Next, move the flame onto the fitting socket then alternate the flame from the fitting socket back onto the tube a distance equal to the fitting socket. Touch the solder to the joint. If the solder does not melt, remove it and continue the heating process. Be careful not to overheat or direct the flame into the fitting socket. This action can cause the flux to burn and destroy its effectiveness. When the melting temperature has been reached, heat may be applied to the base of the socket to aid capillary action in drawing the solder into the socket.

Applying Solder -- When the tube is in a horizontal position, start applying the solder slightly off-center of the bottom of the joint. Proceed across the bottom of the fitting and up to the top-centre position. Return

to the point of beginning, overlap the starting point and then proceed up the uncompleted side to the top. Again, overlapping the solder. Molten solder will be drawn into the joint by capillary action regardless if the solder is being fed upward, downward or horizontally.

Cooling and Cleaning -- After the joint has been made, natural cooling is best. Shock cooling may cause unnecessary stresses on the joint and may result in eventual failure. Once the fitting is cool, clean off any remaining flux with a wet rag.

Brazing

Applying Flux -- The fluxes used for brazing copper joints are different in composition from soldering fluxes. They cannot, and should not, be used interchangeably.

Brazing fluxes are water based. Similar to soldering fluxes, brazing fluxes remove residual oxides from the metal surfaces; they protect the metal surfaces from re-oxidation during heating and they promote the wetting of the surfaces to be joined by the brazing filler metal. Application of the flux is the same as when soldering. If the outside of the fitting and the heat affected area of the tube are covered with flux, it will prevent oxidation and greatly improve the appearance of the joint.

Brazing Filler Materials -- There are two general types of brazing filler metals used for joining copper tube: BCuP (Brazing - Copper - Phosphorous) and BAg (Brazing - Silver). These brazing filler metals are classified according to their components.

BCuP filler metals are preferred for joining copper tube and fittings. The phosphorous in these filler metals acts as a fluxing agent and the lower percentage of silver makes them relatively low cost filler metals. When using copper tube, wrought copper fittings and BCuP brazing filler metal, fluxing is an option due to the self-fluxing action of the phosphorous present in all components of the brazed joint.

The choice of brazing filler metals depends upon four main factors:

- dimensional tolerance of the joint
- type and material of fitting (cast or wrought)
- desired appearance
- cost

Heating -- Oxy/fuel torches are generally used when brazing because of the higher temperatures required. Due to recent innovations in air/fuel torch tip design, they can now be used on a wider variety of sizes for soldering and brazing.

When working with temperatures this high, safety precautions must be followed and care taken to protect both the operator and the materials being used.

The heating operation is the same as for soldering. First preheat the tube and then the tube and fitting socket. When the brazing filler metal starts to melt, apply the heat at the base of the fitting socket to help draw the brazing filler metal in by capillary action.

Applying Brazing Filler Metal -- Remember to allow the heat of the joint to melt the filler metal. Do not melt the filler metal with the torch. The melted filler metal will be drawn into the joint by capillary action. It is very important that the flame be in continuous motion and should not be allowed to remain on any one point long enough to burn through the tube or fitting. When the joint is complete, a continuous filler should be visible completely around the joint. If the filler metal fails to flow or has the tendency to ball-up, it indicates oxidation on the metal surfaces or insufficient heat on the parts to be joined. If the filler metal refuses to

Wrought Pressure Bar Codes



Coupling With Stop		
Size	Wrought 0 07 75420 Item # #	
1/8	- - - - -	30892 9
1/4	- - - - -	30896 7
3/8	- - - - -	30898 1
1/2	- - - - -	30900 1
5/8	- - - - -	30902 5
3/4	- - - - -	30904 9
1	- - - - -	30908 7
1-1/4	- - - - -	30910 0
1-1/2	- - - - -	30914 8
2	- - - - -	30916 2
2-1/2	- - - - -	30918 6
3	- - - - -	30920 9
3-1/2	- - - - -	30922 3
4	- - - - -	30924 7
5	- - - - -	30926 1
6	- - - - -	30928 5
8	- - - - -	30930 8
1/4 x 1/8	- - - - -	30684 0
3/8 x 1/8	- - - - -	30692 5
3/8 x 1/4	- - - - -	30688 8
1/2 x 1/8	- - - - -	30700 7
1/2 x 1/4	- - - - -	30698 7
1/2 x 3/8	- - - - -	30696 3
5/8 x 1/4	- - - - -	30708 3
5/8 x 3/8	- - - - -	30706 9
5/8 x 1/2	- - - - -	30704 5
3/4 x 1/4	- - - - -	30720 5
3/4 x 3/8	- - - - -	30718 2
3/4 x 1/2	- - - - -	30716 8
3/4 x 5/8	- - - - -	30714 4
1 x 3/8	- - - - -	30740 3
1 x 1/2	- - - - -	30738 0
1 x 5/8	- - - - -	30736 6
1 x 3/4	- - - - -	30734 2
1-1/4 x 1/2	- - - - -	30756 4
1-1/4 x 3/4	- - - - -	30752 6
1-1/4 x 1	- - - - -	30748 9
1-1/2 x 1/2	- - - - -	30776 2
1-1/2 x 3/4	- - - - -	30772 4
1-1/2 x 1	- - - - -	30768 7
1-1/2 x 1-1/4	- - - - -	30766 3
2 x 1/2	- - - - -	30792 2
2 x 3/4	- - - - -	30790 8
2 x 1	- - - - -	30788 5
2 x 1-1/4	- - - - -	30786 1
2 x 1-1/2	- - - - -	30784 7
2-1/2 x 1	- - - - -	30806 6
2-1/2 x 1-1/4	- - - - -	30804 2
2-1/2 x 1-1/2	- - - - -	30802 8
2-1/2 x 2	- - - - -	30800 4
3 x 1-1/4	- - - - -	30822 6
3 x 1-1/2	- - - - -	30820 2
3 x 2	- - - - -	30818 9
3 x 2-1/2	- - - - -	30816 5
3-1/2 x 3	- - - - -	30832 5
4 x 2	- - - - -	30846 2
4 x 2-1/2	- - - - -	30844 8
4 x 3	- - - - -	30842 4
4 x 3-1/2	- - - - -	30840 0
5 x 3	- - - - -	30852 3
5 x 4	- - - - -	30850 9
6 x 2	- - - - -	30868 4

Coupling With Stop -Cont.		
Size	Wrought 0 07 75420 Item # #	
6 x 2-1/2	- - - - -	30866 0
6 x 3	- - - - -	30864 6
6 x 4	- - - - -	30862 2
6 x 5	- - - - -	30860 8
8 x 6	- - - - -	30872 1

Coupling Without Stop		
Size	Wrought 0 07 75420 Item # #	
1/8	- - - - -	30944 5
1/4	- - - - -	30948 3
3/8	- - - - -	30950 6
1/2	- - - - -	30952 0
3/4	- - - - -	30956 8
1	- - - - -	30960 5
1-1/4	- - - - -	30962 9
1-1/2	- - - - -	30964 3
2	- - - - -	30966 7
2-1/2	- - - - -	30968 1
3	- - - - -	30970 4
3-1/2	- - - - -	30972 8
4	- - - - -	30974 2
5	- - - - -	30976 6
6	- - - - -	30978 0
8	- - - - -	30980 3

Eccentric Coupling		
Size	Wrought 0 07 75420 Item # #	
3/4 x 1/2	- - - - -	31042 7
1-1/4 x 3/4	- - - - -	31048 9
1-1/4 x 1	- - - - -	31046 5

Crossover Coupling		
Size	Wrought 0 07 75420 Item # #	
1/2	- - - - -	35050 8

Bushing		
Size	Wrought 0 07 75420 Item # #	
1/4 x 1/8	- - - - -	32042 6
3/8 x 1/8	- - - - -	32046 4
3/8 x 1/4	- - - - -	32044 0
1/2 x 1/4	- - - - -	32050 1
1/2 x 3/8	- - - - -	32048 8
5/8 x 3/8	- - - - -	32056 3
5/8 x 1/2	- - - - -	32054 9
3/4 x 1/4	- - - - -	32068 6

Bushing		
Size	Wrought 0 07 75420 Item # #	
3/4 x 3/8	- - - - -	32066 2
3/4 x 1/2	- - - - -	32064 8
3/4 x 5/8	- - - - -	32062 4
1 x 3/8	- - - - -	32078 5
1 x 1/2	- - - - -	32076 1
1 x 5/8	- - - - -	32074 7
1 x 3/4	- - - - -	32072 3
1-1/4 x 1/2	- - - - -	32086 0
1-1/4 x 3/4	- - - - -	32084 6
1-1/4 x 1	- - - - -	32082 2
1-1/2 x 1/2	- - - - -	32096 9
1-1/2 x 3/4	- - - - -	32094 5
1-1/2 x 1	- - - - -	32092 1
1-1/2 x 1-1/4	- - - - -	32090 7
2 x 1/2	- - - - -	32110 2
2 x 3/4	- - - - -	32108 9
2 x 1	- - - - -	32106 5
2 x 1-1/4	- - - - -	32104 1
2 x 1-1/2	- - - - -	32102 7
2-1/2 x 1	- - - - -	32120 1
2-1/2 x 1-1/4	- - - - -	32118 8
2-1/2 x 1-1/2	- - - - -	32116 4
2-1/2 x 2	- - - - -	32114 0
3 x 1-1/4	- - - - -	32132 4
3 x 1-1/2	- - - - -	32130 0
3 x 2	- - - - -	32128 7
3 x 2-1/2	- - - - -	32126 3
3-1/2 x 2	- - - - -	32140 9
3-1/2 x 2-1/2	- - - - -	32138 6
3-1/2 x 3	- - - - -	32136 2
4 x 2	- - - - -	32150 8
4 x 2-1/2	- - - - -	32148 5
4 x 3	- - - - -	32146 1
4 x 3-1/2	- - - - -	32144 7
6 x 2	- - - - -	32172 0
6 x 2-1/2	- - - - -	32170 6
6 x 3	- - - - -	32168 3
6 x 4	- - - - -	32166 9
6 x 5	- - - - -	32164 5
8 x 6	- - - - -	32176 8

Flush Bushing Fitting to Copper		
Size	Wrought 0 07 75420 Item # #	
1/4 x 1/8	- - - - -	30530 0
1/2 x 1/4	- - - - -	30538 6
1/2 x 3/8	- - - - -	30536 2
3/4 x 1/2	- - - - -	30550 8
1 x 3/4	- - - - -	30556 0
1-1/4 x 3/4	- - - - -	30566 9
1-1/4 x 1	- - - - -	30564 5
1-1/2 x 1-1/4	- - - - -	30570 6
2 x 1-1/2	- - - - -	30580 5

Wrought Pressure Bar Codes



90° Elbow - cont.		
Size	Wrought	0 07 75420 Item # #
1	- - - - -	31296 4
1-1/4	- - - - -	31306 0
1-1/2	- - - - -	31314 5
2	- - - - -	31322 0
2-1/2	- - - - -	31330 5
3	- - - - -	31338 1
3-1/2	- - - - -	31346 6
4	- - - - -	31352 7
5	- - - - -	31360 2
6	- - - - -	31368 8
8	- - - - -	31371 8
3/8 x 1/4	- - - - -	31268 1
1/2 x 1/4	- - - - -	31276 6
1/2 x 3/8	- - - - -	31274 2
5/8 x 1/2	- - - - -	31282 7
3/4 x 1/2	- - - - -	31290 2
1 x 1/2	- - - - -	31300 1
1 x 3/4	- - - - -	31298 8
1-1/4 x 1	- - - - -	31308 4
1-1/2 x 1-1/4	- - - - -	31316 9
2 x 1-1/2	- - - - -	31324 4
2-1/2 x 2	- - - - -	31332 9

90° Street Elbow		
Size	Wrought	0 07 75420 Item # #
1/4	- - - - -	31392 3
3/8	- - - - -	31396 1
1/2	- - - - -	31400 5
5/8	- - - - -	31404 3
3/4	- - - - -	31408 1
1	- - - - -	31412 8
1-1/4	- - - - -	31416 6
1-1/2	- - - - -	31420 3
2	- - - - -	31424 1
2-1/2	- - - - -	31428 9
3	- - - - -	31432 6
4	- - - - -	31440 1

Tee - cont.		
Size	Wrought	0 07 75420 Item # #
1/2 x 3/8 x 1/2	- - - - -	32716 6
1/2 x 1/2 x 1/8	- - - - -	32712 8
1/2 x 1/2 x 1/4	- - - - -	32710 4
1/2 x 1/2 x 3/8	- - - - -	32708 1
1/2 x 1/2 x 3/4	- - - - -	32704 3
1/2 x 1/2 x 1	- - - - -	32702 9
5/8 x 5/8 x 3/8	- - - - -	32740 1
3/4 x 1/2 x 3/8	- - - - -	32796 8
3/4 x 1/2 x 1/2	- - - - -	32794 4
3/4 x 1/2 x 3/4	- - - - -	32790 6
3/4 x 3/4 x 3/8	- - - - -	32776 0
3/4 x 3/4 x 1/2	- - - - -	32774 6
3/4 x 3/4 x 1	- - - - -	32770 8
1 x 1/2 x 1/2	- - - - -	32860 6
1 x 1/2 x 3/4	- - - - -	32858 3
1 x 1/2 x 1	- - - - -	32856 9
1 x 3/4 x 1/2	- - - - -	32842 2
1 x 3/4 x 3/4	- - - - -	32838 5
1 x 3/4 x 1	- - - - -	32836 1
1 x 1 x 3/8	- - - - -	32830 9
1 x 1 x 1/2	- - - - -	32828 6
1 x 1 x 3/4	- - - - -	32824 8
1 x 1 x 1-1/4	- - - - -	32822 4
1 x 1 x 1-1/2	- - - - -	32820 0
1-1/4 x 1/2 x 3/4	- - - - -	32908 5
1-1/4 x 1/2 x 1	- - - - -	32906 1
1-1/4 x 1/2 x 1-1/4	- - - - -	32904 7
1-1/4 x 3/4 x 1/2	- - - - -	32900 9
1-1/4 x 3/4 x 3/4	- - - - -	32898 9
1-1/4 x 3/4 x 1	- - - - -	32896 5
1-1/4 x 3/4 x 1-1/4	- - - - -	32894 1
1-1/4 x 1 x 1/2	- - - - -	32888 0
1-1/4 x 1 x 3/4	- - - - -	32886 6
1-1/4 x 1 x 1	- - - - -	32884 2
1-1/4 x 1 x 1-1/4	- - - - -	32882 8
1-1/4 x 1-1/4 x 1/2	- - - - -	32876 7
1-1/4 x 1-1/4 x 3/4	- - - - -	32874 3
1-1/4 x 1-1/4 x 1	- - - - -	32872 9
1-1/4 x 1-1/4 x 1-1/2	- - - - -	32870 5
1-1/4 x 1-1/4 x 2	- - - - -	32868 2
1-1/2 x 1/2 x 1-1/2	- - - - -	32960 3
1-1/2 x 3/4 x 1/2	- - - - -	32956 6
1-1/2 x 3/4 x 3/4	- - - - -	32954 2
1-1/2 x 3/4 x 1	- - - - -	32952 8
1-1/2 x 3/4 x 1-1/4	- - - - -	32950 4
1-1/2 x 3/4 x 1-1/2	- - - - -	32948 1
1-1/2 x 1 x 1/2	- - - - -	32944 3
1-1/2 x 1 x 3/4	- - - - -	32942 9
1-1/2 x 1 x 1	- - - - -	32940 5
1-1/2 x 1 x 1-1/4	- - - - -	32938 2
1-1/2 x 1 x 1-1/2	- - - - -	32936 8
1-1/2 x 1-1/4 x 1/2	- - - - -	32932 0
1-1/2 x 1-1/4 x 3/4	- - - - -	32930 6
1-1/2 x 1-1/4 x 1	- - - - -	32928 3

90° Elbow - Long Turn		
Size	Wrought	0 07 75420 Item # #
1/8	- - - - -	31664 1
1/4	- - - - -	31668 9
3/8	- - - - -	31672 6
1/2	- - - - -	31676 4
5/8	- - - - -	31684 9
3/4	- - - - -	31692 4
1	- - - - -	31708 2
1-1/4	- - - - -	31720 4
1-1/2	- - - - -	31730 3
2	- - - - -	31740 2
2-1/2	- - - - -	31750 1
3	- - - - -	31756 3
5/8 x 1/2	- - - - -	31686 3
3/4 x 1/2	- - - - -	31696 2
1 x 1/2	- - - - -	31714 3
1 x 3/4	- - - - -	31710 5
1-1/4 x 1/2	- - - - -	31726 6
1-1/4 x 3/4	- - - - -	31724 2
1-1/4 x 1	- - - - -	31722 8
1-1/2 x 1	- - - - -	31734 1
2 x 1-1/4	- - - - -	31744 0

90° Street Elbow - Long Turn		
Size	Wrought	0 07 75420 Item # #
1/4	- - - - -	31792 1
3/8	- - - - -	31796 9
1/2	- - - - -	31802 7
5/8	- - - - -	31810 2
3/4	- - - - -	31816 4
1	- - - - -	31830 0
1-1/4	- - - - -	31838 6
1-1/2	- - - - -	31844 7

Tee		
Size	Wrought	0 07 75420 Item # #
1/8	- - - - -	32606 0
1/4	- - - - -	32640 4
3/8	- - - - -	32668 8
1/2	- - - - -	32700 5
5/8	- - - - -	32732 6
3/4	- - - - -	32768 5
1	- - - - -	32818 7
1-1/4	- - - - -	32866 8
1-1/2	- - - - -	32910 8
2	- - - - -	32970 2
2-1/2	- - - - -	33030 2
3	- - - - -	33124 8
3-1/2	- - - - -	33250 4
4	- - - - -	33258 0
6	- - - - -	33420 1
8	- - - - -	33454 6
1/8 x 1/8 x 1/4	- - - - -	32610 7
1/4 x 1/8 x 1/4	- - - - -	32656 5
1/4 x 1/4 x 1/8	- - - - -	32648 0
3/8 x 1/4 x 3/8	- - - - -	32684 8
3/8 x 3/8 x 1/8	- - - - -	32678 7
3/8 x 3/8 x 1/4	- - - - -	32674 9
3/8 x 3/8 x 1/2	- - - - -	32672 5
1/2 x 3/8 x 3/8	- - - - -	32718 0

Wrought & Cast Pressure Bar Codes



Union		
Size	Wrought	0 07 75420 Item # #
1/8	- - - - -	33574 1
1/4	- - - - -	33576 5
3/8	- - - - -	33578 9
1/2	- - - - -	33580 2
3/4	- - - - -	33582 6
1	- - - - -	33584 0

Eccentric Coupling		
Size	Cast	0 07 75420 Item # #
1 x 1/2	- - - - -	34789 8
1 x 3/4	- - - - -	34788 1
1-1/4 x 1/2	- - - - -	34793 5
1-1/2 x 1-1/4	- - - - -	34795 9
2 x 1-1/4	- - - - -	34796 6
2 x 1-1/2	- - - - -	34797 3
2 -1/2 x 2	- - - - -	34800 0
3 x 2	- - - - -	34803 1
3 x 2-1/2	- - - - -	34804 8

Female Adapter		
Size	Cast	0 07 75420 Item # #
1/2	- - - - -	34210 7
3/4	- - - - -	34216 9
1	- - - - -	34223 7
1-1/4	- - - - -	34228 2
1-1/2	- - - - -	34235 0
2	- - - - -	34243 5
2-1/2	- - - - -	34250 3
3	- - - - -	34252 7
4	- - - - -	34258 9
5	- - - - -	34259 6
6	- - - - -	34263 3
3/8 x 1/2	- - - - -	34208 4
1/2 x 1/4	- - - - -	34214 5
1/2 x 3/8	- - - - -	34213 8
1/2 x 3/4	- - - - -	34211 4
5/8 x 1/2	- - - - -	34215 2
3/4 x 1/2	- - - - -	34220 6
3/4 x 1	- - - - -	34219 0
3/4 x 1-1/4	- - - - -	34218 3
3/4 x 1-1/2	- - - - -	34216 9
1 x 1/2	- - - - -	34227 5
1 x 3/4	- - - - -	34226 8
1 x 1-1/4	- - - - -	34225 1
1 x 1-1/2	- - - - -	34224 4
1-1/4 x 1/2	- - - - -	34234 3
1-1/4 x 3/4	- - - - -	34233 6
1-1/4 x 1	- - - - -	34232 9
1-1/4 x 1-1/2	- - - - -	34230 5
1-1/4 x 2	- - - - -	34229 9
1-1/2 x 3/4	- - - - -	34240 4
1-1/2 x 1	- - - - -	34238 1
1-1/2 x 1-1/4	- - - - -	34237 4
1-1/2 x 2	- - - - -	34236 7
2 x 1-1/2	- - - - -	34245 9

Return Bend		
Size	Wrought	0 07 75420 Item # #
3/8 x 1-1/2	- - - - -	32320 5
1/2 x 1-1/2	- - - - -	32346 5
1/2 x 1-9/16	- - - - -	32344 1
1/2 x 1-7/8	- - - - -	32336 6
1/2 x 3	- - - - -	32330 4
3/4 x 2-1/2	- - - - -	32364 9
1 x 3	- - - - -	32370 0
1-1/4 x 3	- - - - -	32376 2
1-1/4 x 4	- - - - -	32374 8
1-1/2 x 4-3/8	- - - - -	32382 3
2 x 5-1/2	- - - - -	32384 7

C x F Eccentric Coupling		
Size	Cast	0 07 75420 Item # #
1 x 3/4	- - - - -	34816 1
1-1/4 x 1/2	- - - - -	34820 8
1-1/4 x 3/4	- - - - -	34818 5

Crossover Coupling		
Size	Cast	0 07 75420 Item # #
3/4	- - - - -	35052 2

Cast Pressure Fittings

Coupling With Stop		
Size	Cast	0 07 75420 Item # #
3 x 1-1/4	- - - - -	34710 2
5 x 3	- - - - -	34735 5
5 x 4	- - - - -	34733 1
6 x 2	- - - - -	34747 8
6 x 2-1/2	- - - - -	34746 1
6 x 3	- - - - -	34745 4
6 x 4	- - - - -	34744 7
6 x 5	- - - - -	34743 0

Bushing		
Size	Cast	0 07 75420 Item # #
5 x 3	- - - - -	36033 0
5 x 4	- - - - -	36030 9
6 x 2	- - - - -	36045 3
6 x 2-1/2	- - - - -	36044 6
6 x 3	- - - - -	36042 2
6 x 4	- - - - -	36040 8
6 x 5	- - - - -	36039 2

Jet Drain Coupling		
Size	Cast	0 07 75420 Item # #
1/2	- - - - -	34766 9
3/4	- - - - -	34767 6

Flush Bushing Fitting to Female		
Size	Cast	0 07 75420 Item # #
1 x 1/2	- - - - -	34614 3
1-1/4 x 3/4	- - - - -	34616 7
1-1/4 x 1	- - - - -	34615 0
1-1/2 x 1	- - - - -	34618 1

Female Street Adapter		
Size	Cast	0 07 75420 Item # #
1/2 x 3/4	- - - - -	34278 7
3/4 x 1/2	- - - - -	34284 8
1 x 3/4	- - - - -	34287 9

Boiler Coupling		
Size	Cast	0 07 75420 Item # #
1/2 x 1 x 1/2	- - - - -	34780 5

Male Adapter		
Size	Cast	0 07 75420 Item # #
1/2	- - - - -	34320 3
3/4	- - - - -	34324 1
1	- - - - -	34336 4
1-1/4	- - - - -	34344 9
1-1/2	- - - - -	34342 5
2	- - - - -	34355 5

Cast Pressure Bar Codes



Street Tee	
Size	Cast 0 07 75420 Item # #
3/4	- - - - - 37400 9

C x C x C Drop Ear Tee	
Size	Cast 0 07 75420 Item # #
1/2	- - - - - 37742 0

C x C x F Drop Ear Tee	
Size	Cast 0 07 75420 Item # #
1/2	- - - - - 37753 6
3/4	- - - - - 37755 0

C x C x F Tee	
Size	Cast 0 07 75420 Item # #
1/2	- - - - - 37409 2
3/4	- - - - - 37418 4
1	- - - - - 37427 6
1-1/4	- - - - - 37436 8
1-1/2	- - - - - 37446 7
1/2 x 1/2 x 1/4	- - - - - 37414 6
1/2 x 1/2 x 3/8	- - - - - 37413 9
1/2 x 1/2 x 3/4	- - - - - 37412 2
3/4 x 1/2 x 1/2	- - - - - 37425 2
3/4 x 1/2 x 3/4	- - - - - 37424 5
3/4 x 3/4 x 3/8	- - - - - 37422 1
3/4 x 3/4 x 1/2	- - - - - 37420 7
3/4 x 3/4 x 1	- - - - - 37419 1
1 x 3/4 x 3/4	- - - - - 37433 7
1 x 1 x 1/2	- - - - - 37429 0
1 x 1 x 3/4	- - - - - 37428 3
1-1/4 x 1-1/4 x 1/2	- - - - - 37440 5
1-1/4 x 1-1/4 x 3/4	- - - - - 37439 9
1-1/4 x 1-1/4 x 1	- - - - - 37438 2
1-1/2 x 1-1/2 x 1/2	- - - - - 37450 4
1-1/2 x 1-1/2 x 3/4	- - - - - 37449 8
1-1/2 x 1-1/2 x 1	- - - - - 37448 1
2 x 2 x 1/2	- - - - - 37462 7
2 x 2 x 3/4	- - - - - 37460 3
2 x 2 x 1	- - - - - 37459 7

C x F x F Tee	
Size	Cast 0 07 75420 Item # #
1/2	- - - - - 37589 1
3/4	- - - - - 37595 2
1/2 x 3/4 x 1/2	- - - - - 37590 7
3/4 x 3/4 x 1/2	- - - - - 37596 9

F x F x C Tee	
Size	Cast 0 07 75420 Item # #
1/2	- - - - - 37672 0
3/4	- - - - - 37674 4
3/4 x 1/2 x 1/2	- - - - - 37677 5
3/4 x 1/2 x 3/4	- - - - - 37676 8
3/4 x 3/4 x 1/2	- - - - - 37675 1

C x F x C Tee	
Size	Cast 0 07 75420 Item # #
3/8	- - - - - 37526 6
1/2	- - - - - 37528 0
3/4	- - - - - 37537 2
1	- - - - - 37545 7
1-1/4	- - - - - 37553 2
1/2 x 3/4 x 1/2	- - - - - 37530 3
3/4 x 1/2 x 1/2	- - - - - 37542 6
3/4 x 1/2 x 3/4	- - - - - 37540 2
3/4 x 3/4 x 1/2	- - - - - 37539 6
1 x 1/2 x 1	- - - - - 37548 8
1 x 3/4 x 1	- - - - - 37547 1

F x M x C Tee	
Size	Cast 0 07 75420 Item # #
3/4	- - - - - 37695 9
1/2 x 3/4 x 1/2	- - - - - 37692 8
1/2 x 3/4 x 3/4	- - - - - 37690 4
3/4 x 1/2 x 1/2	- - - - - 37698 0
3/4 x 3/4 x 1/2	- - - - - 37696 6

C x F x C Baseboard Tee	
Size	Cast 0 07 75420 Item # #
1/2 x 1/8 x 1/2	- - - - - 37852 6
3/4 x 1/8 x 3/4	- - - - - 37855 7
1 x 1/8 x 1	- - - - - 37857 1
1-1/4 x 1/8 x 1-1/4	- - - - - 37858 8

F x F x C Baseboard Tee	
Size	Cast 0 07 75420 Item # #
3/4 x 1/8 x 3/4	- - - - - 37865 6

Tube End Cap	
Size	Cast 0 07 75420 Item # #
5	- - - - - 34647 1
6	- - - - - 34648 8
8	- - - - - 34649 5

Union	
Size	Cast 0 07 75420 Item # #
1/2	- - - - - 37934 9
3/4	- - - - - 37937 0
1	- - - - - 37939 4
1-1/4	- - - - - 37940 0
1-1/2	- - - - - 37944 8
2	- - - - - 37946 2
2-1/2	- - - - - 37947 9
3	- - - - - 37948 6

C x F Union	
Size	Cast 0 07 75420 Item # #
1/2	- - - - - 37967 7
3/4	- - - - - 37969 1
1	- - - - - 37970 7
1-1/4	- - - - - 37973 8
1-1/2	- - - - - 37975 2
2	- - - - - 37977 6
2-1/2	- - - - - 37979 0

C x M Union	
Size	Cast 0 07 75420 Item # #
3/8	- - - - - 37986 8
1/2	- - - - - 37987 5
3/4	- - - - - 37992 9
1	- - - - - 37996 7
1-1/4	- - - - - 37998 1
1-1/2	- - - - - 37999 8
2	- - - - - 38000 0
2-1/2	- - - - - 38002 4

Union Elbow	
Size	Cast 0 07 75420 Item # #
3/4	- - - - - 35534 3

Cross	
Size	Cast 0 07 75420 Item # #
1/2	- - - - - 34844 4
3/4	- - - - - 34847 5
1	- - - - - 34854 3
1-1/4	- - - - - 34863 5
1-1/2	- - - - - 34885 7
2	- - - - - 34928 1

Wrought and Cast Drainage Bar Codes



Coupling With Stop		
Size	Wrought	0 07 75420 Item # #
1-1/4	- - - - -	46230 0
1-1/2	- - - - -	46232 4
2	- - - - -	46236 2
3	- - - - -	46242 3
4	- - - - -	46250 8
6	- - - - -	46252 2
1-1/2 x 1-1/4	- - - - -	46234 8
2 x 1-1/4	- - - - -	46240 9
2 x 1-1/2	- - - - -	46238 6
3 x 1-1/4	- - - - -	46248 5
3 x 1-1/2	- - - - -	46246 1

90° Elbow		
Size	Wrought	0 07 75420 Item # #
1-1/4	- - - - -	46410 6
1-1/2	- - - - -	46412 0
2	- - - - -	46416 8
3	- - - - -	46418 2

Bushing - cont.		
Size	Cast	0 07 75420 Item # #
4 x 1-1/2	- - - - -	47620 8
4 x 2	- - - - -	47618 8
4 x 3	- - - - -	47616 1

90° Street Elbow		
Size	Wrought	0 07 75420 Item # #
1-1/4	- - - - -	46450 2
1-1/2	- - - - -	46452 6
2	- - - - -	46454 0
3	- - - - -	46456 4

Marvel Trap Bushing		
Size	Wrot	0 07 75420 Item # #
1-1/4	- - - - -	47350 4
1-1/2	- - - - -	47354 2
2	- - - - -	47358 0

Coupling Without Stop		
Size	Wrought	0 07 75420 Item # #
1-1/4	- - - - -	46270 6
1-1/2	- - - - -	46272 0
2	- - - - -	46274 4
3	- - - - -	46276 8
4	- - - - -	46278 2
6	- - - - -	46280 5

Test Caps		
Size	Wrought	0 07 75420 Item # #
1/2	- - - - -	46200 3
3/4	- - - - -	46202 7
1	- - - - -	46204 1
1-1/4	- - - - -	46206 5
1-1/2	- - - - -	46208 9
2	- - - - -	46210 2
3	- - - - -	46212 6
4	- - - - -	46214 0

C x SJ Adapter		
Size	Wrot	0 07 75420 Item # #
1-1/4 x 1-1/4 OD	- - - - -	46110 5
1-1/2 x 1-1/4 OD	- - - - -	46114 3
1-1/2 x 1-1/2 OD	- - - - -	46112 9

Bushing		
Size	Wrought	0 07 75420 Item # #
1-1/2 x 1-1/4	- - - - -	46160 0
2 X 1-1/4	- - - - -	46164 8
2 x 1-1/2	- - - - -	46162 4
3 x 1-1/4	- - - - -	46170 9
3 x 1-1/2	- - - - -	46168 6
3 x 2	- - - - -	46166 2

Cast Drainage Fittings

Coupling With Stop		
Size	Cast	0 07 75420 Item # #
3 x 1-1/4	- - - - -	47810 3
3 x 1-1/2	- - - - -	47808 0
3 x 2	- - - - -	47806 6
4 x 1-1/4	- - - - -	47821 9
4 x 1-1/2	- - - - -	47820 2
4 x 2	- - - - -	47818 9
4 x 3	- - - - -	47816 5

M x SJ Adapter		
Size	Wrot	0 07 75420 Item # #
1-1/4 x 1-1/4 OD	- - - - -	46140 2
1-1/2 x 1-1/4 OD	- - - - -	46144 0
1-1/2 x 1-1/2 OD	- - - - -	46142 6

45° Elbow		
Size	Wrought	0 07 75420 Item # #
1-1/4	- - - - -	46352 9
1-1/2	- - - - -	46354 3
2	- - - - -	46356 7
3	- - - - -	46358 1

Fit x SJ Adapter		
Size	Wrot	0 07 75420 Item # #
1-1/4 x 1-1/4 OD	- - - - -	47412 9
1-1/4 x 1-1/2	- - - - -	47414 3
1-1/2 x 1-1/4 OD	- - - - -	46124 2
1-1/2 x 1-1/2 OD	- - - - -	46122 8

45° Street Elbow		
Size	Wrought	0 07 75420 Item # #
1-1/4	- - - - -	46370 3
1-1/2	- - - - -	46372 7
2	- - - - -	46374 1
3	- - - - -	46376 5

Bushing		
Size	Cast	0 07 75420 Item # #
3 x 1-1/4	- - - - -	47614 7
3 x 1-1/2	- - - - -	47612 3
3 x 2	- - - - -	47610 9
4 x 1-1/4	- - - - -	47821 9

F x SJ Adapter		
Size	Wrot	0 07 75420 Item # #
1-1/4 x 1-1/4 OD	- - - - -	46130 3
1-1/2 x 1-1/4 OD	- - - - -	46134 1
1-1/2 x 1-1/2 OD	- - - - -	46132 7

Female Adapter		
Size	Wrot	0 07 75420 Item # #
1-1/4	- - - - -	47000 8

Cast Drainage Bar Codes



90° CxF Elbow - cont.		
Size	Cast	0 07 75420 Item # #
1-1/2	- - - - -	48184 4
2	- - - - -	48188 2
3	- - - - -	48192 9

90° CxM Elbow		
Size	Cast	0 07 75420 Item # #
1-1/4	- - - - -	48202 5
1-1/2	- - - - -	48204 9
2	- - - - -	48208 7

90° CxSJ Elbow		
Size	Cast	0 07 75420 Item # #
1-1/4	- - - - -	48220 9
1-1/2	- - - - -	48222 3
2	- - - - -	48226 1
1-1/2 x 1-1/4	- - - - -	48224 7

45° Y		
Size	Cast	0 07 75420 Item # #
1-1/4	- - - - -	50760 5
1-1/2	- - - - -	50762 9
2	- - - - -	50770 4
3	- - - - -	50782 7
4	- - - - -	50798 8
1-1/2 x 1-1/4 x 1-1/4	- - - - -	50768 1
1-1/2 x 1-1/4 x 1-1/2	- - - - -	50766 7
1-1/2 x 1-1/2 x 1-1/4	- - - - -	50764 3
2 x 1-1/4 x 1-1/4	- - - - -	50781 0
2 x 1-1/4 x 1-1/2	- - - - -	50783 4
2 x 1-1/4 x 2	- - - - -	50784 1
2 x 1-1/2 x 1-1/4	- - - - -	50780 3
2 x 1-1/2 x 1-1/2	- - - - -	50778 0
2 x 1-1/2 x 2	- - - - -	50776 6
2 x 2 x 1-1/4	- - - - -	50774 2
2 x 2 x 1-1/2	- - - - -	50772 8
3 x 3 x 1-1/4	- - - - -	50790 2
3 x 3 x 1-1/2	- - - - -	50788 9
3 x 3 x 2	- - - - -	50786 5
4 x 4 x 1-1/2	- - - - -	50804 6
4 x 4 x 2	- - - - -	50802 2
4 x 4 x 3	- - - - -	50800 8

45° Double Y		
Size	Cast	0 07 75420 Item # #
1-1/4	- - - - -	51180 0

45° Double Y - cont.		
Size	Cast	0 07 75420 Item # #
1-1/2	- - - - -	51182 4
2	- - - - -	51194 7
3	- - - - -	51210 4
1-1/2 x 1-1/2 x 1-1/4 x 1-1/4	- - - - -	51186 2
1-1/2 x 1-1/4 x 1-1/2 x 1-1/2	- - - - -	51188 6
2 x 2 x 1-1/4 x 1-1/4	- - - - -	51200 5
2 x 2 x 1-1/2 x 1-1/2	- - - - -	51198 5
3 x 3 x 1-1/4 x 1-1/4	- - - - -	51216 6
3 x 3 x 1-1/2 x 1-1/2	- - - - -	51214 2
3 x 3 x 2 x 2	- - - - -	51212 8

90° TY		
Size	Cast	0 07 75420 Item # #
1-1/4	- - - - -	48762 4
1-1/2	- - - - -	48764 8
2	- - - - -	48770 9
3	- - - - -	48790 7
4	- - - - -	48812 6
1-1/2 x 1-1/4 x 1-1/4	- - - - -	48768 6
1-1/2 x 1-1/4 x 1-1/2	- - - - -	48766 2
1-1/2 x 1-1/2 x 1-1/4	- - - - -	48764 0
2 x 1-1/4 x 1-1/4	- - - - -	48786 0
2 x 1-1/4 x 1-1/2	- - - - -	48784 6
2 x 1-1/4 x 2	- - - - -	48782 2
2 x 1-1/2 x 1-1/4	- - - - -	48780 8
2 x 1-1/2 x 1-1/2	- - - - -	48778 5
2 x 1-1/2 x 2	- - - - -	48776 1
2 x 2 x 1-1/4	- - - - -	48774 7
2 x 2 x 1-1/2	- - - - -	48772 3
3 x 1-1/2 x 1-1/4	- - - - -	48810 2
3 x 2 x 1-1/2	- - - - -	48806 5
3 x 3 x 1-1/4	- - - - -	48798 3
3 x 3 x 1-1/2	- - - - -	48796 9
3 x 3 x 2	- - - - -	48794 5
4 x 4 x 1-1/2	- - - - -	48818 8
4 x 4 x 2	- - - - -	48816 4
4 x 4 x 3	- - - - -	48814 0

90° Fitting TY		
Size	Cast	0 07 75420 Item # #
3	- - - - -	49066 2
3 x 3 x 1-1/4	- - - - -	49072 3
3 x 3 x 1-1/2	- - - - -	49070 9
3 x 3 x 2	- - - - -	49068 6

90° Female TY		
Size	Cast	0 07 75420 Item # #
1-1/4	- - - - -	48910 9
1-1/2	- - - - -	48912 3

90° Female TY - cont.		
Size	Cast	0 07 75420 Item # #
2	- - - - -	48920 8
2 x 1-1/2 x 1-1/2	- - - - -	48928 4

TY With 90° Sideout		
Size	Cast	0 07 75420 Item # #
3 x 3 x 3 x 1-1/2 (left)	- - - - -	49150 8
3 x 3 x 3 x 1-1/2 (right)	- - - - -	49172 0

Double TY		
Size	Cast	0 07 75420 Item # #
1-1/4	- - - - -	49390 8
1-1/2	- - - - -	49392 2
2	- - - - -	49398 4
3	- - - - -	49408 0
1-1/2 x 1-1/4 x 1-1/4 x 1-1/4	- - - - -	49397 7
1-1/2 x 1-1/4 x 1-1/2 x 1-1/2	- - - - -	49396 0
1-1/2 x 1-1/2 x 1-1/4 x 1-1/4	- - - - -	49394 6
2 x 2 x 1-1/4 x 1-1/4	- - - - -	49404 2
2 x 2 x 1-1/2 x 1-1/2	- - - - -	49400 4
3 x 3 x 1-1/4 x 1-1/4	- - - - -	49420 2
3 x 3 x 1-1/2 x 1-1/2	- - - - -	49416 5
3 x 3 x 2 x 2	- - - - -	49412 7

Long Turn TY		
Size	Cast	0 07 75420 Item # #
1-1/2	- - - - -	50442 0

Double Long Turn TY		
Size	Cast	0 07 75420 Item # #
1-1/4	- - - - -	50630 1
1-1/2	- - - - -	50632 5
2	- - - - -	50638 7
1-1/2 x 1-1/2 x 1-1/4 x 1-1/4	- - - - -	50634 9
2 x 2 x 1-1/4 x 1-1/4	- - - - -	50642 4
2 x 2 x 1-1/2 x 1-1/2	- - - - -	50640 0

Double Waste Fittings		
Size	Cast	0 07 75420 Item # #
1-1/4	- - - - -	59100 0
1-1/2	- - - - -	59102 4
1-1/2 x 1-1/4 x 1-1/4 x 1-1/4	- - - - -	59104 8
1-1/2 x 1-1/4 x 1-1/2 x 1-1/2	- - - - -	59106 2
1-1/2 x 1-1/2 x 1-1/4 x 1-1/4	- - - - -	59108 6
2 x 1-1/4 x 1-1/2 x 1-1/2	- - - - -	59110 9
2 x 1-1/2 x 1-1/4 x 1-1/4	- - - - -	59112 3
2 x 1-1/2 x 1-1/2 x 1-1/2	- - - - -	59114 7