



For Commercial, Institutional or Industrial Applications

Job Name Location _____ Contractor _____
 Engineer _____ Approval _____
 Approval _____ Cont. PO No. _____
 Representative _____

CTS Copper Companion Flange FLANGE SPECIFICATION 150 lb

Drilling to match ANSI B 16.5 Specifications

<u>SIZE</u>	<u>CODE</u>	<u>WORKING PRESSURE</u> (at atmospheric)	<u>MATERIAL</u>	<u>THICKNESS</u>
1-1/2"	BF015	450 PSI	Plate Steel	.63
2"	BF002	450 PSI	Plate Steel	.63
2-1/2"	BF025	450 PSI	Plate Steel	.63
3"	BF003	450 PSI	Plate Steel	.63
4"	BF004	450 PSI	Plate Steel	.709
5"	BF005	450 PSI	Plate Steel	.748
6"	BF006	450 PSI	Plate Steel	.866
8"	BF008	450 PSI	Plate Steel	.866

SERVICE TEMPERATURE: -66F to +272F

DIMENSIONS OF SOLDER JOINT

Manufactured to ASME B 16.22-95

<u>SIZE</u>	<u>LENGTH</u> (K) <u>Min</u>	<u>Female End</u> (F)		<u>Depth</u> (G) <u>Min</u>	<u>Thickness</u> (T) <u>Min</u>	<u>ID</u> (O) <u>Min</u>	<u>OD Cu</u> <u>Flange (L)</u> <u>Min</u>
		<u>Min</u>	<u>Max</u>				
1-1/2"	1.81	1.62	1.63	1.09	.051	1.47	3.10
2"	1.85	2.12	2.33	1.34	.059	1.94	3.70
2-1/2"	2.02	2.62	2.63	1.47	.067	2.42	4.20
3"	2.35	3.12	3.13	1.66	.075	2.89	5.00
4"	2.81	4.12	4.13	2.16	.096	3.84	6.20
5"	3.87	5.12	5.13	2.66	.111	4.70	7.30
6"	4.31	6.12	6.13	3.09	.124	5.72	8.40
8"	5.50	8.12	8.13	4.00	.875	8.80	13.50

Specification:

CTS COPPER COMPANION FLANGE ADAPTER 150

Sizes 1-1/2" thru 6"

Flanges shall be drilled to ANSI B 16.5 150 Standard powder coated with a EPDM insulator adhered to the plate steel flange protruding inside of the steel flange to prevent contact with the Copper Companion Flange Adapter. The Copper component of the flange adapter shall be manufactured to ASME B16.22 - 1995

