



For Commercial, Institutional or Industrial Applications

Job Name Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Cont. PO No. _____
 Representative _____

CTS Copper Companion Flange FLANGE SPECIFICATION 300 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"	WBG3015	600 PSI	Plate Steel	.709
2"	WBG3020	600 PSI	Plate Steel	.787
2-1/2"	WBG3025	600 PSI	Plate Steel	.866
3"	WBG3030	600 PSI	Plate Steel	.945
4"	WBG3040	600 PSI	Plate Steel	1.063
5"	WBG3050	600 PSI	Plate Steel	1.141
6"	WBG3060	600 PSI	Plate Steel	1.181
8"	WBG3080	600 PSI	Plate Steel	1.378

SERVICE TEMPERATURE: -66F to +272F

DIMENSIONS OF SOLDER JOINT

Manufactured to ASME B 16.22-95

<u>SIZE</u>	<u>LENGTH</u> (K)	<u>Female End</u> (F)		<u>Depth</u> (G)	<u>Thickness</u> (T)	<u>ID</u> (O)	<u>OD Cu</u> <u>Flange (L)</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 300

Sizes 1-1/2" thru 6"

Flanges shall be drilled to ANSI B 16.5 300 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

