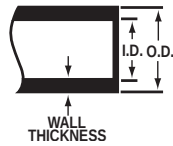


Copper Tube Size (CTS) Technical Information

CTS Product Dimensions

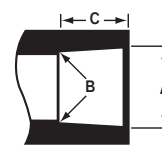


CPVC 41, SDR 11 PIPE DIMENSIONS (CTS) ASTM D 2846, D 2846M



Nominal Pipe Size In.	Mean Outside Diameter In.	O. D. Tolerance In.	Minimum Wall Thickness In.
1/2	0.625	± 0.003	0.068
3/4	0.875	± 0.003	0.080
1	1.125	± 0.003	0.102
1-1/4	1.375	± 0.003	0.125
1-1/2	1.625	± 0.004	0.148
2	2.125	± 0.004	0.193

CPVC 41, SDR 11 SOCKET DIMENSIONS (CTS) ASTM D 2846, D 2846M



Nominal Size In.	Diameter			Socket Length Minimum C
	Entrance A	Bottom B	Tolerance In.	
1/2	0.633	0.619	± 0.003	0.500
3/4	0.884	0.870	± 0.003	0.700
1	1.135	1.121	± 0.003	0.900
1-1/4	1.386	1.372	± 0.003	1.100
1-1/2	1.640	1.622	± 0.004	1.300
2	2.141	2.123	± 0.004	1.700

Injection Molded Dimension References:

G = (LAYING LENGTH) intersection of center lines to bottom of socket/thread; 90° elbows, tees, crosses; ± 1/32 inch.

H = Intersection of center lines to face of fitting; 90° elbows, tees, crosses; ± 1/32 inch.

J = Intersection of center lines to bottom of socket/thread; 45° elbows; ± 1/32 inch.

L = Overall length of fittings; ± 1/16 inch.

M = Outside diameter of socket/thread hub; ± 1/16 inch.

N = Socket bottom to socket bottom; couplings; ± 1/16 inch.

W = Height of cap; ± 1/16 inch.

COPPER TUBE SIZE (CTS) CPVC PIPE

Nominal Pipe Size In.	AVG. O.D.	AVG. I.D.	MIN. Wall	MAX. W.P. P.S.I. *	LBS./FT.	Lgths./Carton
1/2	0.625	0.469	0.068	400	.090	50
3/4	0.875	0.695	0.080	400	.149	25
1	1.125	0.901	0.102	400	.240	15
1-1/4	1.375	1.105	0.125	400	.353	10
1-1/2	1.625	1.309	0.148	400	.489	6
2	2.125	1.716	0.193	400	.829	4

Standard Length - 10 Feet • All pipe is packed in boxes sold in carton quantities only.
Pipe has UL 94 V-O rating • * For water, non shock, at 73.4°F with solvent welded joints.



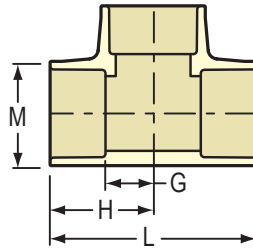


Copper Tube Size (CTS) Technical Information

CTS Product Dimensions

TEE – LEAD FREE

Socket x Socket x Socket

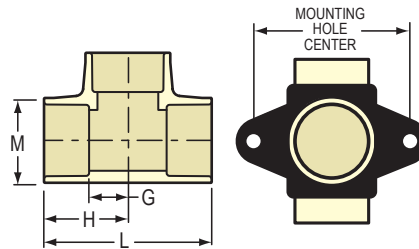


Spears® Part Number	KBI® Part Number	Size	G	H	L	M	Approx. Wt. (Lbs.)
4101-005	CT-0500-S	1/2	13/32	15/16	1-27/32	27/32	.03
4101-007	CT-0750-S	3/4	17/32	1-1/4	2-1/2	1-3/32	.06
4101-010	CT-1000-S	1	21/32	1-9/16	3-5/32	1-3/8	.12
4101-012	CT-1250-S	1-1/4	25/32	1-7/8	3-25/32	1-11/16	.18
4101-015	CT-1500-S	1-1/2	29/32	2-7/32	4-15/32	1-15/16	.29
4101-020	N/A	2	1-5/32	2-7/8	5-25/32	2-9/16	.63

DROP EAR TEE – LEAD FREE

(Fitting With Bracket)

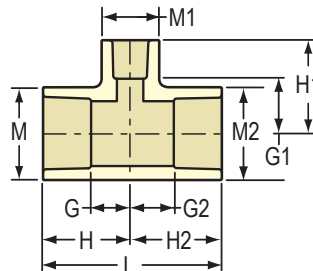
Socket x Socket x Socket



Part Number	Size	G	H	L	M	Mounting Hole Center	Approx. Wt. (Lbs.)
DE4101-005	1/2	13/32	15/16	1-7/8	27/32	1-3/4	.04

REDUCING TEE – LEAD FREE

Socket x Socket x Socket



Spears® Part Number	KBI® Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4101-074	N/A	1/2x1/2x3/4	15/32	13/32	15/32	31/32	1-1/8	31/32	1-15/16	27/32	1-3/32	27/32	.04

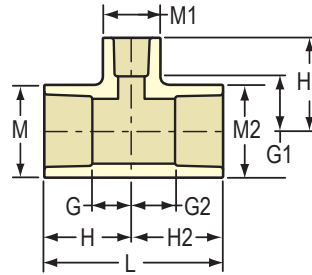
Copper Tube Size (CTS) Technical Information
CTS Product Dimensions



REDUCING TEE – LEAD FREE

Socket x Socket x Socket

(continued)



Soears Part Number	KBI® Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4101-094	CR-211-S	3/4x1/2x1/2	7/16	17/32	7/16	1-5/32	1-1/32	31/32	2-1/8	1-3/32	27/32	27/32	.05
4101-095	CR-212-S	3/4x1/2x3/4	1/2	17/32	19/32	1-7/32	1-1/4	1-1/8	2-11/32	1-3/32	1-3/32	27/32	.06
4101-101	CR-221-S	3/4x3/4x1/2	13/32	17/32	13/32	1-1/8	1-1/32	1-1/8	2-1/4	1-3/32	7/8	1-3/32	.05
4101-102¹	N/A	3/4x3/4x1	1-1/8	11/16	1-13/16	1-27/32	1-19/32	1-13/16	3-21/32	1-11/32	1-11/32	1-11/32	.16
4101-120¹	N/A	1x1/2x1/2	11/16	1-5/16	1-1/4	1-19/32	1-27/32	1-25/32	3-3/8	1-11/32	1-11/32	1-11/32	.20
4101-121¹	N/A	1x1/2x3/4	11/16	1-1/8	1-1/4	1-19/32	1-27/32	1-25/32	3-3/8	1-11/32	1-11/32	1-11/32	.18
4101-122¹	N/A	1x1/2x1	11/16	11/16	1-1/4	1-19/32	1-19/32	1-25/32	3-3/8	1-11/32	1-11/32	1-11/32	.15
4101-124¹	N/A	1x3/4x1/2	11/16	1-5/16	1-1/16	1-19/32	1-27/32	1-25/32	3-3/8	1-11/32	1-11/32	1-11/32	.18
4101-125	N/A	1x3/4x3/4	17/32	11/16	17/32	1-15/32	1-13/32	1-1/4	2-23/32	1-11/32	1-3/32	1-3/32	.08
4101-126¹	N/A	1x3/4x1	11/16	15/16	1-1/16	1-19/32	1-27/32	1-25/32	3-3/8	1-11/32	1-11/32	1-11/32	.13
4101-130	N/A	1x1x1/2	13/32	11/16	13/32	1-11/32	1-7/32	1-11/32	2-21/32	1-3/8	7/8	1-3/8	.08
4101-131	CR-332-S	1x1x3/4	17/32	11/16	17/32	1-15/32	1-13/32	1-15/32	2-29/32	1-3/8	1-3/32	1-3/8	.09
4101-138¹	N/A	1-1/4x1/2x1/2	13/16	1-11/16	1-21/32	1-29/32	2-7/32	2-3/16	4-3/32	1-21/32	1-21/32	1-21/32	.30
4101-139¹	N/A	1-1/4x1/2x3/4	13/16	1-1/2	1-21/32	1-29/32	2-7/32	2-3/16	4-3/32	1-21/32	1-21/32	1-21/32	.30
4101-142¹	N/A	1-1/4x1/2x1-1/4	13/16	27/32	1-21/32	1-29/32	1-15/16	2-3/16	4-3/32	1-21/32	1-21/32	1-21/32	.24
4101-146¹	N/A	1-1/4x3/4x1/2	13/16	1-11/16	1-15/32	1-29/32	2-7/32	2-3/16	4-3/32	1-21/32	1-21/32	1-21/32	.30
4101-147¹	N/A	1-1/4x3/4x3/4	13/16	1-1/2	1-15/32	1-29/32	2-7/32	2-3/16	4-3/32	1-21/32	1-21/32	1-21/32	.31
4101-148¹	N/A	1-1/4x3/4x1	13/16	1-5/16	1-15/32	1-29/32	2-7/32	2-3/16	4-3/32	1-21/32	1-21/32	1-21/32	.29
4101-149¹	N/A	1-1/4x3/4x1-1/4	25/32	25/32	1-7/16	1-29/32	1-29/32	2-3/16	4-3/32	1-21/32	1-21/32	1-21/32	.26
4101-156¹	N/A	1-1/4x1x1/2	13/16	1-21/32	1-1/4	1-29/32	2-3/16	2-5/32	4-1/16	1-21/32	1-21/32	1-21/32	.30
4101-157¹	N/A	1-1/4x1x3/4	13/16	1-1/2	1-9/32	1-29/32	2-7/32	2-3/16	4-3/32	1-21/32	1-21/32	1-21/32	.29
4101-158¹	N/A	1-1/4x1x1	13/16	1-5/16	1-9/32	1-29/32	2-7/32	2-3/16	4-3/32	1-21/32	1-21/32	1-21/32	.27
4101-159¹	N/A	1-1/4x1x1-1/4	13/16	27/32	1-9/32	1-29/32	1-15/16	2-3/16	4-3/32	1-21/32	1-21/32	1-21/32	.22
4101-166	N/A	1-1/4x1-1/4x1/2	11/32	27/32	13/32	1-17/32	1-11/32	1-17/32	3-9/16	1-21/32	7/8	1-21/32	.12
4101-167	N/A	1-1/4x1-1/4x3/4	17/32	13/16	17/32	1-21/32	1-17/32	1-21/32	3-5/16	1-21/32	1-1/8	1-21/32	.13
4101-168	CR-443-S	1-1/4x1-1/4x1	11/16	13/16	11/16	1-25/32	1-3/4	1-25/32	3-19/32	1-21/32	1-3/8	1-21/32	.15
4101-169¹	N/A	1-1/4x1-1/4x1-1/2	1-7/16	15/16	2-1/32	2-17/32	2-1/4	2-17/32	5-1/16	1-31/32	1-31/32	1-31/32	.41
4101-173¹	N/A	1-1/2x1/2x1/2	15/16	2-1/32	2-1/32	2-1/4	2-9/16	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.49
4101-174¹	N/A	1-1/2x1/2x3/4	15/16	1-27/32	2-1/32	2-1/4	2-9/16	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.49
4101-175¹	N/A	1-1/2x1/2x1	11/16	1	1-13/16	2	1-29/32	2-11/32	4-11/32	1-31/32	1-3/8	1-31/32	.48

1 Outlet sized with bushing



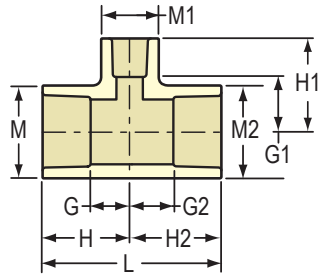
Copper Tube Size (CTS) Technical Information

CTS Product Dimensions

REDUCING TEE – LEAD FREE

Socket x Socket x Socket

(continued)



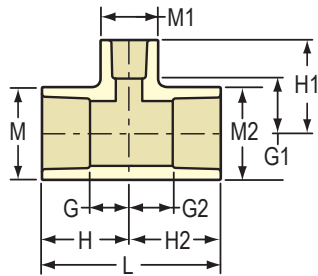
Spears® Part Number	KBI® Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4101-176 ¹	N/A	1-1/2x1/2x1-1/4	15/16	1-15/32	2-1/32	2-1/4	2-9/16	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.45
4101-177 ¹	N/A	1-1/2x1/2x1-1/2	15/16	15/16	2-1/32	2-1/4	2-1/4	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.39
4101-182 ¹	N/A	1-1/2x3/4x1/2	15/16	2-1/32	1-27/32	2-1/4	2-9/16	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.49
4101-184 ¹	N/A	1-1/2x3/4x3/4	15/16	1-27/32	1-27/32	2-1/4	2-9/16	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.48
4101-185 ¹	N/A	1-1/2x3/4x1	1-1/32	1-5/8	1-27/32	2-1/4	2-9/16	2-9/16	4-23/32	1-31/32	1-31/32	1-31/32	.48
4101-186 ¹	N/A	1-1/2x3/4x1-1/4	3/4	1-7/16	1-5/16	2-9/16	2-9/16	2-1/4	4-13/16	1-31/32	1-31/32	1-31/32	.44
4101-188 ¹	N/A	1-1/2x3/4x1-1/2	15/16	15/16	1-27/32	2-1/4	2-1/4	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.39
4101-193 ¹	N/A	1-1/2x1x1/2	15/16	2-1/32	1-21/32	2-1/4	2-9/16	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.48
4101-194 ¹	N/A	1-1/2x1x3/4	15/16	1-27/32	1-21/32	2-1/4	2-9/16	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.48
4101-195 ¹	N/A	1-1/2x1x1	15/16	1-21/32	1-21/32	2-1/4	2-9/16	2-9/16	4-27/32	1-31/32	1-31/32	1-31/32	.48
4101-196 ¹	N/A	1-1/2x1x1-1/4	15/16	1-15/32	1-11/16	2-1/4	2-9/16	2-19/32	4-27/32	1-31/32	1-31/32	1-31/32	.44
4101-197 ¹	N/A	1-1/2x1x1-1/2	15/16	15/16	1-21/32	2-1/4	2-1/4	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.38
4101-199 ¹	N/A	1-1/2x1-1/4x1/2	1-3/8	2-1/32	2-1/32	2-1/2	2-9/16	2-1/4	4-23/32	1-31/32	1-31/32	1-31/32	.45
4101-201 ¹	N/A	1-1/2x1-1/4x3/4	15/16	1-27/32	1-15/32	2-1/4	2-9/16	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.44
4101-202 ¹	N/A	1-1/2x1-1/4x1	15/16	1-21/32	1-15/32	2-1/4	2-9/16	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.44
4101-203 ¹	N/A	1-1/2x1-1/4x1-1/4	15/16	1-15/32	1-15/32	2-1/4	2-9/16	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.41
4101-204 ¹	N/A	1-1/2x1-1/4x1-1/2	15/16	15/16	1-15/32	2-1/4	2-1/4	2-9/16	4-13/16	1-31/32	1-31/32	1-31/32	.35
4101-209	N/A	1-1/2x1-1/2x1/2	13/32	31/32	13/32	1-23/32	1-1/2	1-23/32	3-15/32	1-31/32	7/8	1-31/32	.18
4101-210	N/A	1-1/2x1-1/2x3/4	11/16	1-7/16	2	2	2-5/32	2	4	1-31/32	1-3/8	1-31/32	.26
4101-211	CR-553-S	1-1/2x1-1/2x1	11/16	31/32	11/16	2	1-29/32	1-31/32	3-31/32	1-15/16	1-3/8	1-15/16	.22
4101-212 ¹	N/A	1-1/2x1-1/2x1-1/4	15/16	1-7/16	2-7/32	2-1/4	2-17/32	2-7/32	4-15/32	1-31/32	1-31/32	1-31/32	.35
4101-213 ¹	N/A	1-1/2x1-1/2x2	1-29/32	1-3/16	1-29/32	3-7/32	2-7/8	3-19/32	6-13/16	2-9/16	2-9/16	2-9/16	1.01
4101-216 ¹	N/A	2x1/2x1/2	1-3/16	2-11/16	2-5/8	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.02
4101-217 ¹	N/A	2x1/2x3/4	1-3/16	2-1/2	2-5/8	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.03
4101-218 ¹	N/A	2x1/2x1	1-3/16	2-5/16	2-5/8	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.03
4101-219 ¹	N/A	2x1/2x1-1/4	1-3/16	2-1/8	2-5/8	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.02
4101-220 ¹	N/A	2x1/2x1-1/2	1-3/16	1-29/32	2-5/8	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.00
4101-221 ¹	N/A	2x1/2x2	1-3/16	1-5/32	2-5/8	2-29/32	2-7/8	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	.82
4101-222 ¹	N/A	2x3/4x1/2	1-3/16	2-11/16	2-11/16	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.03
4101-223 ¹	N/A	2x3/4x3/4	1-3/16	2-1/2	2-7/16	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.04

¹ Outlet sized with bushing

Copper Tube Size (CTS) Technical Information
CTS Product Dimensions



REDUCING TEE – LEAD FREE
 Socket x Socket x Socket **(continued)**



Spears® Part Number	KBI® Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4101-224 ¹	N/A	2x3/4x1	1-3/16	2-5/16	2-7/16	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.04
4101-225 ¹	N/A	2x3/4x1-1/4	1-5/32	2-1/16	2-7/16	2-7/8	3-5/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.03
4101-226 ¹	N/A	2x3/4x1-1/2	1-3/16	1-29/32	2-7/16	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.01
4101-227 ¹	N/A	2x3/4x2	1-3/16	1-5/32	2-7/16	2-29/32	2-7/8	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	.83
4101-228 ¹	N/A	2x1x1/2	1-3/16	2-11/16	2-1/4	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.03
4101-229	N/A	2x1x3/4	1-23/32	2-1/2	2-1/4	2-7/8	3-3/16	3-7/32	6-3/32	2-9/16	2-9/16	2-9/16	1.04
4101-230 ¹	N/A	2x1x1	1-3/16	2-5/16	2-1/4	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.05
4101-231 ¹	N/A	2x1x1-1/4	1-3/16	2-1/8	2-1/4	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.04
4101-232 ¹	N/A	2x1x1-1/2	1-3/16	1-29/32	2-1/4	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.02
4101-233 ¹	N/A	2x1x2	1-3/16	1-5/32	2-1/4	2-29/32	2-7/8	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	.83
4101-234 ¹	N/A	2x1-1/4x1/2	1-3/16	2-11/16	2-1/16	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.02
4101-235 ¹	N/A	2x1-1/4x3/4	1-3/16	2-1/2	2-1/16	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.03
4101-236 ¹	N/A	2x1-1/4x1	1-3/16	2-5/16	2-1/16	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.04
4101-237 ¹	N/A	2x1-1/2x1/2	1-3/16	2-11/16	1-27/32	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.00
4101-238 ¹	N/A	2x1-1/2x3/4	1-3/16	2-1/2	1-27/32	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.01
4101-239 ¹	N/A	2x1-1/2x1	1-3/16	2-5/16	1-27/32	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.02
4101-240 ¹	N/A	2x1-1/2x1-1/4	1-3/16	2-1/8	1-27/32	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.00
4101-241 ¹	N/A	2x1-1/2x1-1/2	1-5/32	1-7/8	1-7/8	2-7/8	3-3/16	3-3/16	6-1/16	2-9/16	2-9/16	2-9/16	1.01
4101-242 ¹	N/A	2x1-1/4x1-1/4	1-3/16	2-1/8	2-1/16	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.02
4101-243 ¹	N/A	2x1-1/4x1-1/2	1-3/16	1-29/32	2-1/16	2-29/32	3-7/32	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	1.00
4101-244 ¹	N/A	2x1-1/4x2	1-5/32	1-1/2	2-3/32	2-7/8	3-7/32	3-3/16	6-1/16	2-9/16	2-9/16	2-9/16	.82
4101-247	N/A	2x2x1/2	13/32	1-9/32	13/32	2-1/8	1-25/32	2-1/8	4-9/32	2-9/16	7/8	2-9/16	.37
4101-248	N/A	2x2x3/4	17/32	1-1/4	17/32	2-1/4	2	2-1/4	4-17/32	2-9/16	1-1/8	2-9/16	.40
4101-249	CR-663-S	2x2x1	11/16	1-9/32	11/16	2-13/32	2-3/16	2-13/32	4-25/32	2-17/32	1-3/8	2-17/32	.43
4101-250 ¹	N/A	2x2x1-1/4	1-5/32	2-3/8	1-5/32	2-7/8	3-7/32	2-7/8	5-25/32	2-9/16	2-9/16	2-9/16	.90
4101-251	N/A	2x2x1-1/2	31/32	1-1/4	31/32	2-11/16	2-9/16	2-11/16	5-3/8	2-17/32	1-31/32	2-17/32	.52
4101-257 ¹	N/A	2x1-1/2x2	1-3/16	1-5/32	1-27/32	2-29/32	2-7/8	3-5/32	6-1/16	2-9/16	2-9/16	2-9/16	.80

1 Outlet sized with bushing

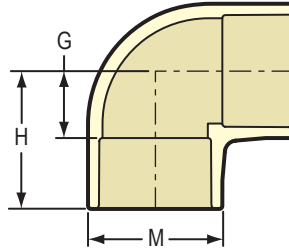


Copper Tube Size (CTS) Technical Information

CTS Product Dimensions

90° ELBOW – LEAD FREE

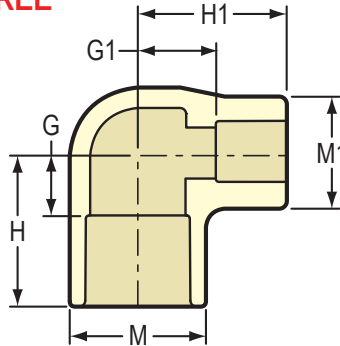
Socket x Socket



Spears® Part Number	KBI® Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
4106-005	CE-0500-S	1/2	13/32	15/16	27/32	.02
4106-007	CE-0750-S	3/4	17/32	1-1/4	1-1/8	.05
4106-010	CE-1000-S	1	21/32	1-9/16	1-3/8	.08
4106-012	CE-1250-S	1-1/4	3/4	1-7/8	1-11/16	.13
4106-015	CE-1500-S	1-1/2	29/32	2-7/32	2	.22
4106-020	CE-2000-S	2	1-5/32	2-7/8	2-19/32	.49

REDUCING 90° ELBOW – LEAD FREE

Socket x Socket



Spears® Part Number	KBI® Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
4106-101	CE-0705-S	3/4x1/2	3/8	1/2	1-3/32	1-1/32	1-3/32	27/32	.04
4106-131 ¹	N/A	1x3/4	21/32	1	1-9/16	1-3/8	1-3/8	1-3/8	.10
4106-167 ¹	N/A	1-1/4x3/4	13/16	1-1/2	1-29/32	2-7/32	1-21/32	1-21/32	.20
4106-168 ¹	N/A	1-1/4x1	13/16	1-5/16	1-29/32	2-7/32	1-21/32	1-21/32	.18
4106-209 ¹	N/A	1-1/2x1/2	15/16	2-1/32	2-1/4	2-17/32	1-31/32	1-31/32	.32
4106-210 ¹	N/A	1-1/2x3/4	15/16	1-27/32	2-1/4	2-9/16	1-31/32	1-31/32	.32
4106-211 ¹	N/A	1-1/2x1	15/16	1-21/32	2-1/4	2-19/32	1-31/32	1-31/32	.31
4106-212 ¹	N/A	1-1/2x1-1/4	15/16	1-13/32	2-1/4	2-17/32	1-31/32	1-31/32	.28
4106-247 ¹	N/A	2x1/2	1-3/16	2-11/16	2-29/32	3-3/16	2-9/16	2-9/16	.67
4106-248 ¹	N/A	2x3/4	1-3/16	2-7/16	2-29/32	3-5/32	2-9/16	2-9/16	.68
4106-249 ¹	N/A	2x1	1-3/16	2-9/32	2-29/32	3-3/16	2-9/16	2-9/16	.68
4106-250 ¹	N/A	2x1-1/4	1-3/16	2-1/16	2-29/32	3-5/32	2-9/16	2-9/16	.67
4106-251 ¹	N/A	2x1-1/2	1-3/16	1-29/32	2-29/32	3-7/32	2-9/16	2-9/16	.65

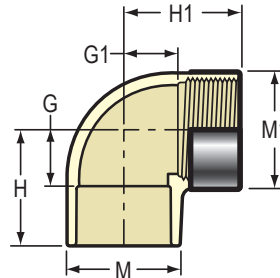
¹ Outlet sized with bushing

Copper Tube Size (CTS) Technical Information
CTS Product Dimensions



SPECIAL REINFORCED 90° ELBOW – LEAD FREE

Socket x SR Fipt

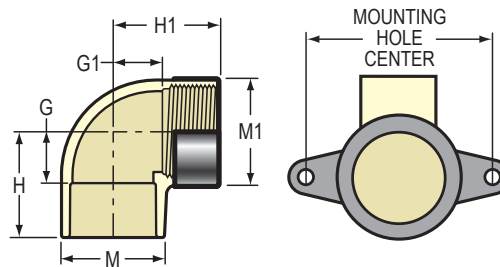


Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
4107-005SR	1/2	13/32	13/32	15/16	1-5/32	27/32	1-7/32	.06

**ZINC DROP EAR SPECIAL
 REINFORCED 90° ELBOW – LEAD FREE**

(One Piece Unit)

Socket x SR Fipt – Zinc Collar

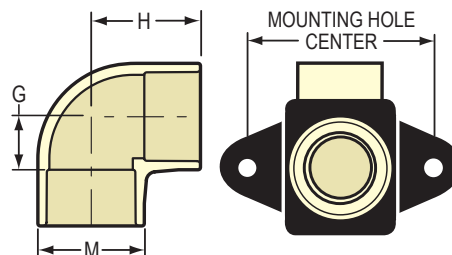


Part Number	Size	G	G1	H	H1	M	M1	Mounting Hole Center	Approx. Wt. (Lbs.)
DEZ4107-005SR	1/2	1/4	3/8	25/32	1-5/32	27/32	1-7/32	2-1/16	.15

DROP EAR 90° ELBOW – LEAD FREE

(Fitting With Bracket)

Socket x Socket



Part Number	Size	G	H	M	Mounting Hole Center	Approx Wt. (Lbs.)
DE4106-005	1/2	1/4	25/32	27/32	1-3/4	.03



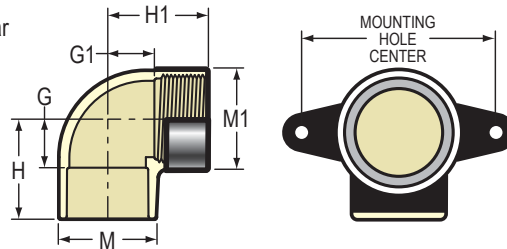
Copper Tube Size (CTS) Technical Information

CTS Product Dimensions

DROP EAR SPECIAL REINFORCED 90° ELBOW – LEAD FREE

(Fitting With Bracket)

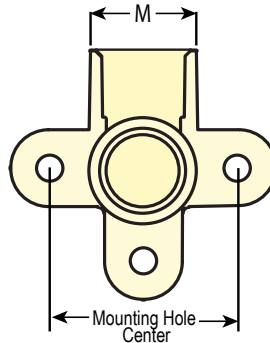
Socket x SR Fipt – Stainless Steel Collar



Part Number	Size	G	G1	H	H1	M	M1	Mounting Hole Center	Approx Wt. (Lbs.)
DE4107-005SR	1/2	13/32	15/32	15/16	1-5/32	27/32	1-7/32	2-1/32	.07

DROP EAR ELBOW – LEAD FREE

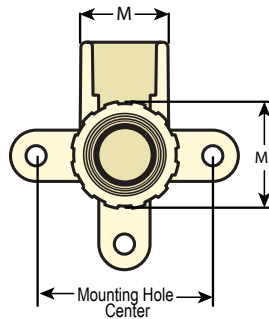
Socket x Socket



Part Number	Size	M	Approx Wt. (Lbs.)
CD-0500-S	1/2	13/16	.04

DROP EAR ELBOW ONE PIECE W/GASKET – LEAD FREE

Socket x Fipt



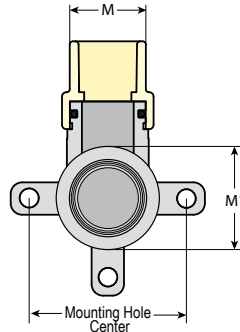
Part Number	Size	M	M1	Approx Wt. (Lbs.)
CD-0500-T	1/2	7/8	1-3/16	.07

Copper Tube Size (CTS) Technical Information
CTS Product Dimensions



DROP EAR ELBOW W/SS BODY – LEAD FREE

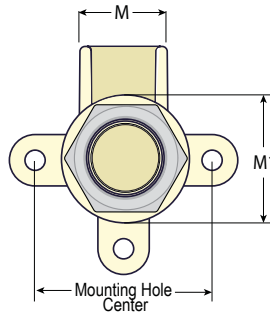
Socket x Stainless Steel Fipt



Part Number	Size	M	M1	Approx Wt. (Lbs.)
DE-0500	1/2	27/32	1-1/16	.23

DROP EAR ELBOW – LEAD FREE

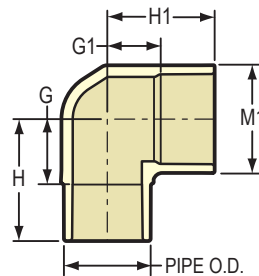
Socket x Stainless Steel Fipt



Part Number	Size	M	M1	Approx Wt. (Lbs.)
DE-0500-S	1/2	7/8	1-3/8	.29

90° STREET ELBOW – LEAD FREE

Spigot x Socket



Spears® Part Number	KBI® Part Number	Size	G	G1	H	H1	M1	Pipe O.D.	Approx. Wt. (Lbs.)
4109-005	CL-0500-S	1/2	17/32	3/8	1-1/16	7/8	7/8	5/8	.02
4109-007	CL-0750-S	3/4	19/32	17/32	1-5/16	1-1/4	1-1/32	7/8	.05
4109-010	CL-1000-S	1	25/32	21/32	1-13/16	1-9/16	1-11/32	1-1/8	.09

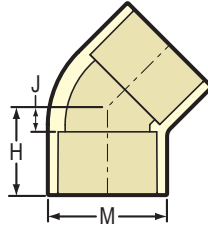


Copper Tube Size (CTS) Technical Information

CTS Product Dimensions

45° ELBOW – LEAD FREE

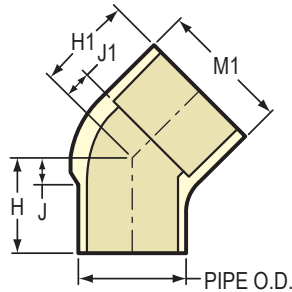
Socket x Socket



Spears® Part Number	KBI® Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
4117-005	CW-0500-S	1/2	23/32	7/32	27/32	.02
4117-007	CW-0750-S	3/4	31/32	7/32	1-1/8	.04
4117-010	CW-1000-S	1	1-7/32	9/32	1-3/8	.06
4117-012	CW-1250-S	1-1/4	1-15/32	11/32	1-11/16	.11
4117-015	CW-1500-S	1-1/2	1-3/4	7/16	1-31/32	.18
4117-020	CW-2000-S	2	2-1/4	17/32	2-9/16	.37

45° STREET ELBOW – LEAD FREE

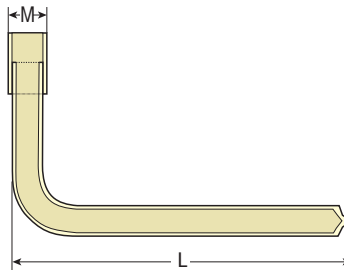
Spigot x Socket



Spears® Part Number	KBI® Part Number	Size	H	H1	J	J1	M1	Pipe O.D.	Approx. Wt. (Lbs.)
4127-005	CS-0500-S	1/2	3/4	23/32	7/32	7/32	27/32	5/8	.02
4127-007	CS-0750-S	3/4	1	1	9/32	9/32	1-3/32	7/8	.04
4127-010	CS-1000-S	1	1-5/16	1-1/4	3/8	11/32	1-3/8	1-1/8	.06

90° STUB OUT ELBOW – LEAD FREE

Socket x Closed End



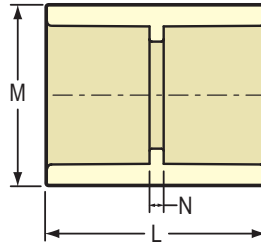
Part Number	Size	L	M	Approx. Wt. (Lbs.)
SOP-0500-CE	1/2	8-9/32	27/32	.02

Copper Tube Size (CTS) Technical Information
CTS Product Dimensions



COUPLING – LEAD FREE

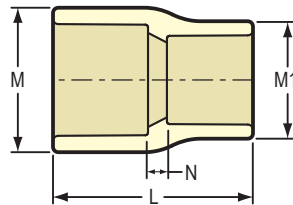
Socket x Socket



Spears® Part Number	KBI® Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
4129-005	CC-0500-S	1/2	1-5/32	27/32	1/8	.02
4129-007	CC-0750-S	3/4	1-9/16	1-1/16	1/8	.03
4129-010	CC-1000-S	1	1-15/16	1-3/8	1/8	.04
4129-012	CC-1250-S	1-1/4	2-3/8	1-21/32	3/32	.08
4129-015	CC-1500-S	1-1/2	2-3/4	1-31/32	1/8	.13
4129-020	CC-2000-S	2	3-9/16	2-9/16	1/8	.29

REDUCER COUPLING – LEAD FREE

Socket x Socket



Spears® Part Number	KBI® Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
4129-101	CC-0705-S	3/4x1/2	1-11/32	1-3/32	27/32	1/8	.02
4129-130 ¹	N/A	1x1/2	2-7/32	1-11/32	1-11/32	25/32	.09
4129-131	N/A	1x3/4	1-3/4	1-11/32	1-3/32	1/8	.04
4129-166 ¹	N/A	1-1/4x1/2	2-5/8	1-21/32	1-21/32	1	.14
4129-167 ¹	N/A	1-1/4x3/4	2-5/8	1-21/32	1-21/32	13/16	.15
4129-168 ¹	N/A	1-1/4x1	2-5/8	1-21/32	1-21/32	5/8	.13
4129-209 ¹	N/A	1-1/2x1/2	3-1/16	1-31/32	1-31/32	1-7/32	.24
4129-210 ¹	N/A	1-1/2x3/4	3-1/16	1-31/32	1-31/32	1-1/32	.23
4129-211 ¹	N/A	1-1/2x1	3-1/16	1-31/32	1-31/32	27/32	.23
4129-212 ¹	N/A	1-1/2x1-1/4	3-1/16	1-31/32	1-31/32	21/32	.19
4129-247 ¹	N/A	2x1/2	3-27/32	2-9/16	2-9/16	1-19/32	.49
4129-248 ¹	N/A	2x3/4	3-27/32	2-9/16	2-9/16	1-13/32	.50
4129-249 ¹	N/A	2x1	3-27/32	2-9/16	2-9/16	1-7/32	.50
4129-250 ¹	N/A	2x1-1/4	3-27/32	2-9/16	2-9/16	1-1/32	.49
4129-251 ¹	N/A	2x1-1/2	3-27/32	2-9/16	2-9/16	13/16	.47

¹ Outlet sized with bushing



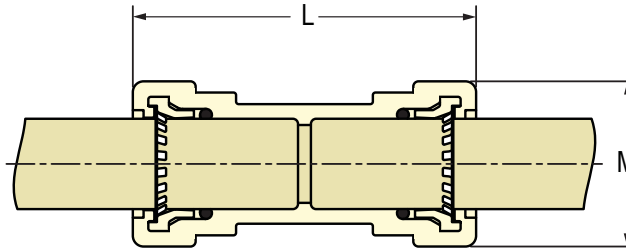
Copper Tube Size (CTS) Technical Information

CTS Product Dimensions

GripLoc™ PUSH-ON COUPLING – LEAD FREE

w/EPDM O-Ring Seals
Push-On Compression

Pressure Rating
100 psi @ 180°F

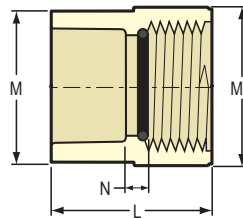


WARNING: DO NOT INSERT FINGERS

Spears® Part Number	KBI® Part Number	Size	L	M	Approx. Wt. (Lbs.)
GL4129-005	GL-0500-S	1/2	2-3/4	1-1/4	.06
GL4129-007	GL-0750-S	3/4	3-5/16	1-1/2	.13
GL4129-010	GL-1000-S	1	4	2	.22

FEMALE ADAPTER W/GASKET – LEAD FREE

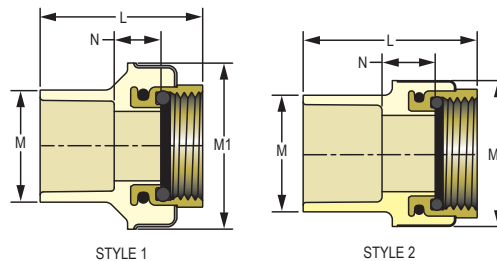
Socket x NPSC



Spears® Part Number	KBI® Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
4135-005OR	CF-0500-S	1/2	1-11/32	27/32	1-3/16	7/32	.04
4135-007OR	CF-0750-S	3/4	1-9/16	1-3/32	1-3/8	7/32	.05
4135-010OR	CF-1000-S	1	1-29/32	1-11/32	1-11/16	3/8	.09

GASKET SEALED BRASS FEMALE ADAPTER – LEAD FREE

Socket x Gasket FIPT – Use NO Thread Sealant



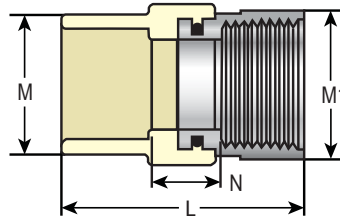
Part Number	Size	L	M	M1	N	Style	Approx. Wt. (Lbs.)
4135-005BRG	1/2	1-1/2	27/32	1-7/16	9/16	1	.12
4135-007BRG	3/4	1-9/16	1-3/32	1-5/8	15/32	1	.13
4135-010BRG	1	2-1/32	1-11/32	1-23/32	5/8	2	.21
4135-012BRG	1-1/4	2-7/32	1-21/32	2-1/16	19/32	2	.30
4135-015BRG	1-1/2	2-7/16	1-15/16	2-7/16	5/8	2	.41
4135-020BRG	2	2-27/32	2-17/32	3	19/32	2	.54

Copper Tube Size (CTS) Technical Information
CTS Product Dimensions



TRANSITION FEMALE ADAPTER – LEAD FREE

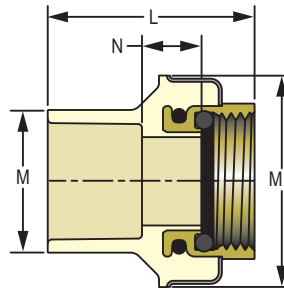
Socket x Stainless Steel Fipt



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
TFS-0500	1/2	1-23/32	7/8	1-1/32	19/32	.10
TFS-0750	3/4	1-31/32	1-1/8	1-5/16	19/32	.15
TFS-1000	1	2-11/32	1-13/32	1-21/32	5/8	.27
TFS-1250	1-1/4	2-15/16	1-11/16	2-3/16	7/8	.61
TFS-1500	1-1/2	3-5/32	2	2-7/16	7/8	.76
TFS-2000	2	3-11/16	2-9/16	3	31/32	1.16

GASKET SEALED BRASS FEMALE ADAPTER – LEAD FREE

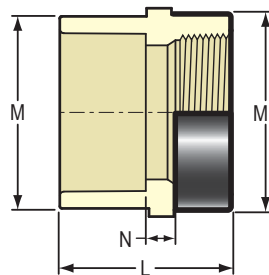
Socket x Gasket FIPT – Use NO Thread Sealant



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
4135-101BRG	3/4 x 1/2	1-9/16	1-3/32	1-7/16	7/16	.12
4135-130BRG	1 x 1/2	1-3/4	1-11/32	1-7/16	13/32	.13

SPECIAL REINFORCED FEMALE ADAPTER – LEAD FREE

Socket x SR Fipt



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
4135-005SR	1/2	1-3/8	27/32	1-7/32	3/32	.05
4135-007SR	3/4	1-9/16	1-3/32	1-3/8	5/32	.07
4135-010SR	1	1-15/16	1-3/8	1-23/32	1/8	.10

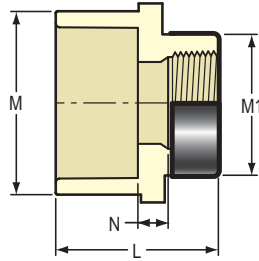


Copper Tube Size (CTS) Technical Information

CTS Product Dimensions

SPECIAL REINFORCED REDUCING FEMALE ADAPTER – LEAD FREE

Socket x SR Fipt

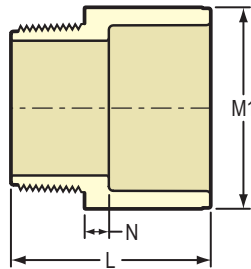


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
4135-131SR	1x3/4	1-27/32	1-13/32	1-3/8	3/16	.08

MALE ADAPTER – LEAD FREE

Mipt x Socket

For Cold Water Service Only

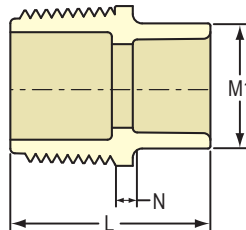


Spears® Part Number	KBI® Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
4136-005	CM-0500-S	1/2	1-9/32	27/32	3/16	.02
4136-007	CM-0750-S	3/4	1-17/32	1-1/8	3/32	.03
4136-010	CM-1000-S	1	1-7/8	1-11/32	7/32	.05
4136-012	CM-1250-S	1-1/4	2-9/32	1-21/32	5/16	.09
4136-015	CM-1500-S	1-1/2	2-15/32	1-31/32	5/16	.13
4136-020	CM-2000-S	2	2-31/32	2-17/32	3/8	.25

REDUCING MALE ADAPTER – LEAD FREE

Mipt x Socket

For Cold Water Service Only



Spears® Part Number	KBI® Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
4136-074	N/A	1/2x3/4	1-17/32	1-3/32	5/32	.03
4136-101	CM-0705-S	3/4x1/2	1-11/32	27/32	1/8	.02

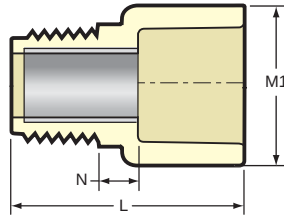
Copper Tube Size (CTS) Technical Information
CTS Product Dimensions



REINFORCED MALE ADAPTER – LEAD FREE

(Internal Stainless Steel Reinforced)

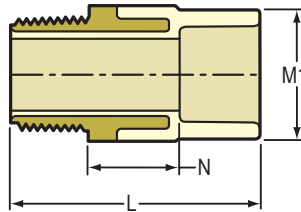
R Mipt x Socket



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
4136-005R	1/2	1-23/32	27/32	17/32	.04
4136-007R	3/4	1-15/16	1-3/32	9/16	.06
4136-010R	1	2-3/8	1-11/32	11/16	.11

TRANSITION MALE ADAPTER – LEAD FREE

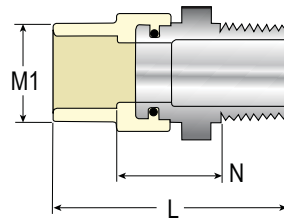
Brass Mipt x Socket



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
4136-005BR	1/2	2	27/32	25/32	.14
4136-007BR	3/4	2-1/4	1-3/16	27/32	.21
4136-010BR	1	2-11/16	1-3/8	29/32	.38
4136-012BR	1-1/4	2-31/32	1-21/32	31/32	.61
4136-015BR	1-1/2	3-3/16	1-15/16	1-1/32	.74
4136-020BR	2	3-21/32	2-17/32	31/32	.97

TRANSITION MALE ADAPTER – LEAD FREE

Socket x Stainless Steel Mipt



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
TMS-0500	1/2	2-1/32	7/8	13/16	.13
TMS-0750	3/4	2-5/16	1-1/8	29/32	.19
TMS-1000	1	2-27/32	1-3/8	1	.30
TMS-1250	1-1/4	3-9/32	1-11/16	1-9/32	.52
TMS-1500	1-1/2	3-17/32	2	1-9/32	.66
TMS-2000	2	3-31/32	2-19/32	1-3/8	1.02



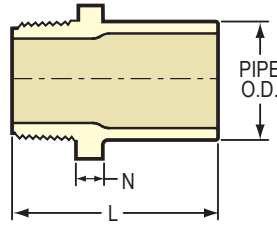
Copper Tube Size (CTS) Technical Information

CTS Product Dimensions

MALE ADAPTER – LEAD FREE

Mipt x Spigot

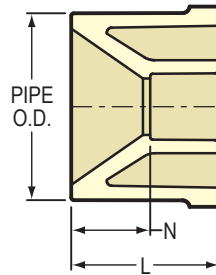
For Cold Water Service Only



Part Number	Size	L	N	Pipe O.D.	Approx. Wt. (Lbs.)
4161-005	1/2	1-5/16	3/16	5/8	.02

REDUCER BUSHING – LEAD FREE

Spigot x Socket



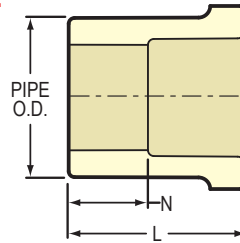
Spears® Part Number	KBI® Part Number	Size	L	N	Pipe O.D.	Approx. Wt. (Lbs.)
4137-101	CB-21-S	3/4x1/2	27/32	1/8	7/8	.02
4137-130	CB-31-S	1x1/2	1-1/8	5/8	1-1/8	.05
4137-131	CB-32-S	1x3/4	1-1/16	7/16	1-1/8	.02
4137-166	CB-41-S	1-1/4x1/2	1-13/32	7/8	1-3/8	.06
4137-167	CB-42-S	1-1/4x3/4	1-3/8	21/32	1-3/8	.06
4137-168	CB-43-S	1-1/4x1	1-5/16	3/8	1-3/8	.04
4137-209	CB-51-S	1-1/2x1/2	1-21/32	1-1/8	1-5/8	.10
4137-210	CB-52-S	1-1/2x3/4	1-5/8	29/32	1-5/8	.10
4137-211	CB-53-S	1-1/2x1	1-19/32	21/32	1-5/8	.09
4137-212	CB-54-S	1-1/2x1-1/4	1-19/32	7/16	1-5/8	.06
4137-247	CB-61-S	2x1/2	2	1-15/32	2-1/8	.20
4137-248	CB-62-S	2x3/4	2	1-9/32	2-1/8	.21
4137-249	CB-63-S	2x1	2	1-3/32	2-1/8	.21
4137-250	CB-64-S	2x1-1/4	1-31/32	7/8	2-1/8	.21
4137-251	CB-65-S	2x1-1/2	2-1/32	23/32	2-1/8	.19

Copper Tube Size (CTS) Technical Information
CTS Product Dimensions



TRANSITION BUSHING – LEAD FREE

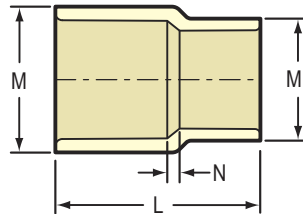
IPS Spigot x CTS Socket



Spears® Part Number	KBI® Part Number	Size	L	N	Pipe O.D.	Approx. Wt. (Lbs.)
4140-005	N/A	1/2	15/16	13/32	27/32	.02
4140-007	CX-0750-S	3/4	1-1/8	1/2	1-1/16	.02
4140-010	CX-1000-S	1	1-3/8	15/32	1-5/16	.04
4140-012	CX-1250-S	1-1/4	1-17/32	3/8	1-21/32	.07
4140-015	CX-1500-S	1-1/2	1-21/32	5/16	1-29/32	.08
4140-020	CX-2000-S	2	1-27/32	1/8	2-3/8	.10

TRANSITION COUPLING – LEAD FREE

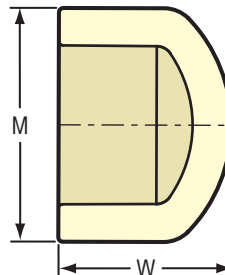
IPS Socket x CTS Socket



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
4141-007	3/4	1-27/32	1-5/16	1-3/32	1/8	.04
4141-010	1	2-5/32	1-19/32	1-3/8	1/8	.07

CAP – LEAD FREE

Socket



Part Number	Size	M	W	Approx. Wt. (Lbs.)
4147-005	1/2	27/32	25/32	.01
4147-007	3/4	1-1/16	1-3/32	.02
4147-010	1	1-3/8	1-9/32	.04
4147-012	1-1/4	1-21/32	1-19/32	.06
4147-015	1-1/2	1-31/32	1-29/32	.10
4147-020	2	2-9/16	2-13/32	.21



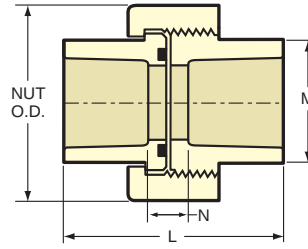
Copper Tube Size (CTS) Technical Information

CTS Product Dimensions

UNION – LEAD FREE

w/EPDM O-Ring Seals

Socket x Socket



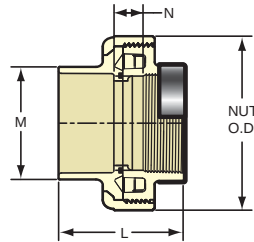
Pressure Rating
100 psi @ 180°F

Spears® Part Number	KBI® Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
4197-005	CU-0500-S	1/2	2-3/16	1-1/32	1-5/32	1-25/32	.13
4197-007	CU-0750-S	3/4	1-3/4	1-3/32	5/16	1-23/32	.08
4197-010	CU-1000-S	1	2-13/32	1-17/32	9/16	2-1/2	.27
N/A	CU-1250-S	1-1/4	2-21/32	1-11/16	7/16	2-5/8	.25
N/A	CU-1500-S	1-1/2	3-3/32	2	7/16	3-7/32	.43
N/A	CU-2000-S	2	4	2-9/16	15/32	4-3/16	.87

SPECIAL REINFORCED UNION – LEAD FREE

w/EPDM O-Ring Seals

Socket x SR Fipt



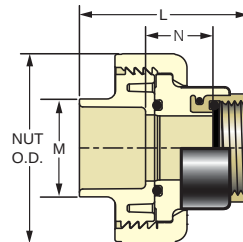
Pressure Rating
100 psi @ 180°F

Part Number	Size	L	M	N	Nut O.D.	Approx. Wt. (Lbs.)
4199-005SR	1/2	1-1/2	27/32	5/16	1-7/8	.14
4199-007SR	3/4	1-13/16	1-3/32	3/8	2-3/8	.25
4199-010SR	1	2-5/8	1-3/8	7/16	2-5/8	.31

GASKET SEALED BRASS ADAPTER UNION – LEAD FREE

w/EPDM O-Ring Seals

Socket x Gasket FIPT With Elastomer Seal



Pressure Rating
100 psi @ 180°F

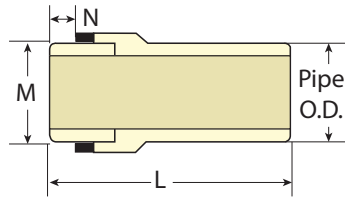
Part Number	Size	L	M	N	Nut O.D.	Approx. Wt. (Lbs.)
4199-005BRG	1/2	1-5/8	2-1/8	3/4	2-1/8	.23
4199-007BRG	3/4	1-7/8	2-5/16	3/4	2-5/16	.25
4199-010BRG	1	2-3/8	1-3/8	15/16	2-5/8	.27

Copper Tube Size (CTS) Technical Information
CTS Product Dimensions



TRANSITION COMPRESSION ADAPTER – LEAD FREE

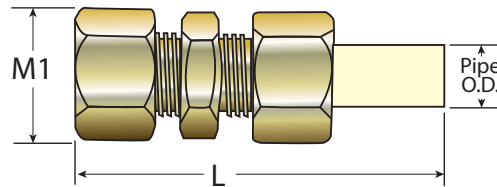
Compression w/Gasket x CPVC Spigot



Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
TCA-0500	1/2	1-1/2	5/8	9/32	.02
TCA-0750	3/4	2-3/32	7/8	3/8	.03

TRANSITION UNION - BRASS COMPRESSION – LEAD FREE

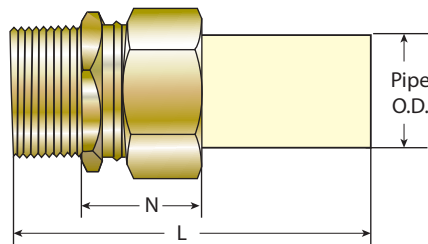
Brass Compression x CPVC Spigot



Part Number	Size	L	M1	Approx. Wt. (Lbs.)
TUC-0500-GD	1/2	2-21/32	1	.16
TUC-0750-GD	3/4	3-5/16	1-15/32	.34

TRANSITION UNION - BRASS MALE THREAD – LEAD FREE

Brass Mipt x CPVC Spigot



Part Number	Size	L	N	Approx. Wt. (Lbs.)
TUM-0500-GD	1/2	2-15/32	1-1/32	.13
TUM-0750-GD	3/4	2-31/32	1-1/16	.23

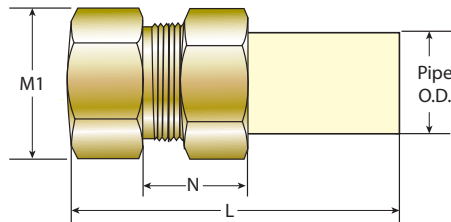


Copper Tube Size (CTS) Technical Information

CTS Product Dimensions

TRANSITION UNION - BRASS FEMALE THREAD – LEAD FREE

Brass Fipt x CPVC Spigot



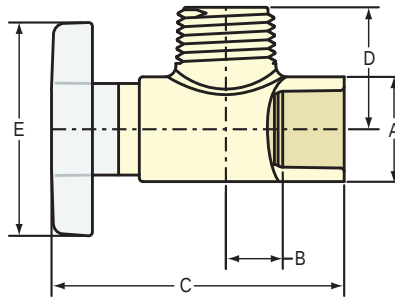
Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
TUF-0500-GD	1/2	2-11/32	1-1/8	31/32	.15
TUF-0750-GD	3/4	3	1-13/32	31/32	.30

1/4 - TURN ANGLE SUPPLY STOP – LEAD FREE

w/EPDM O-Ring Seals

Socket x ???

Pressure Rating
100 psi @ 180°F



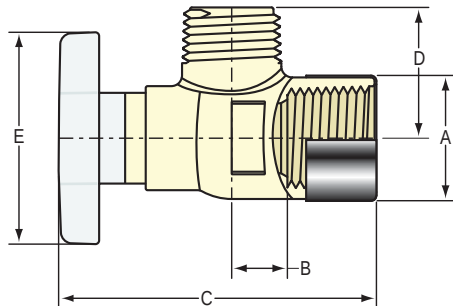
Part Number	Size	A	B	C	D	E	Approx. Wt. (Lbs.)
7722-005	1/2	7/8	7/16	2-3/8	1	2-1/16	.06
7722-073	1/2 x 3/8	7/8	7/16	2-3/8	7/8	2-1/16	.05

1/4 - TURN ANGLE SUPPLY STOP – LEAD FREE

w/EPDM O-Ring Seals

SR Fipt x NPT

Pressure Rating
100 psi @ 180°F



Part Number	Size	A	B	C	D	E	Approx. Wt. (Lbs.)
7721-005SR	1/2	1-1/32	7/16	2-5/8	1-1/16	2-1/16	.10
7721-073SR	1/2 x 3/8	1-1/32	7/16	2-5/8	15/16	2-1/16	.09

Copper Tube Size (CTS) Technical Information
CTS Product Dimensions



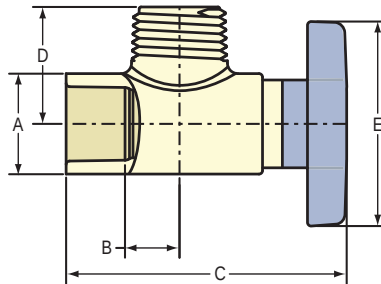
1/4 -TURN ANGLE VALVE – LEAD FREE

w/EPDM O-Ring Seals

¹Socket x Comp. Thread

²Socket x Mipt

Pressure Rating
 100 psi @ 180°F



Part Number	Size	A	B	C	D	E	Approx. Wt. (Lbs.)
CAV-0500-14C ₁	1/2 x 1/4	7/8	1/2	2-5/16	1	2	.11
CAV-0500-38C ₁	1/2 x 3/8	7/8	1/2	2-3/8	1-1/4	2	.07
CAV-0500-12C ₁	1/2	7/8	1/2	2-3/8	1-5/16	2	.07
CAV-0500-12T ₂	1/2 x 1/2	7/8	1/2	2-3/8	1-3/8	2	.07

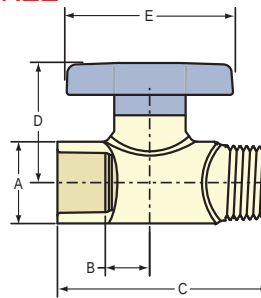
1/4 -TURN STRAIGHT VALVE – LEAD FREE

w/EPDM O-Ring Seals

¹Socket x Comp. Thread

²Socket x Mipt

Pressure Rating
 100 psi @ 180°F

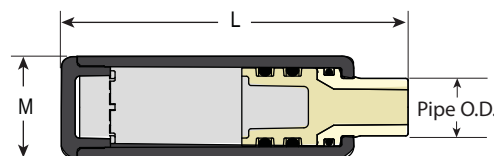


Part Number	Size	A	B	C	D	E	Approx. Wt. (Lbs.)
CSV-0500-38C ₁	1/2 x 3/8	7/8	1/2	1-1/16	1-1/4	2	.12
CSV-0500-12C ₁	1/2 x 1/2	7/8	1/2	1-5/32	1-1/4	2	.12
CSV-0500-12T ₂	1/2 x 1/2	7/8	1/2	1-5/32	1-1/4	2	.10

WATER HAMMER ARRESTER – LEAD FREE

Spigot

Pressure Rating
 100 psi @ 180°F



Part Number	Size	L	M	Approx. Wt. (Lbs.)
CHA-0500	1/2	3-3/4	1-1/8	.10



Copper Tube Size (CTS) Technical Information

CTS Product Dimensions

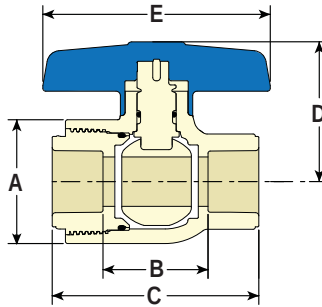
CTS COMMERCIAL BALL VALVES – LEAD FREE

w/EPDM O-Ring Seals

Socket x Socket

Pressure Rating

100 psi @ 180°F



Spears® Part Number	KBI® Part Number	Size	A	B	C	D	E	Approx. Wt. (Lbs.)	Cv Values
1922-005	CLT-0500-S	1/2	1-7/16	1-1/4	2-11/16	1-11/16	2-25/32	.24	37
1922-007	CLT-0750-S	3/4	1-25/32	1-17/32	3	2-1/16	2-9/32	.26	84
1922-010	CLT-1000-S	1	2-1/16	1-19/32	3-13/32	2-3/8	3-3/8	.39	151
1922-012	CLT-1250-S	1-1/4	2-9/32	2	3-29/32	2-13/16	3-25/32	.66	229
1922-015	CLT-1500-S	1-1/2	2-31/32	2-15/32	4-11/16	3-1/8	4-9/32	.99	330
1922-020	CLT-2000-S	2	3-19/32	2-27/32	5-17/32	3-7/8	5-1/16	1.50	598

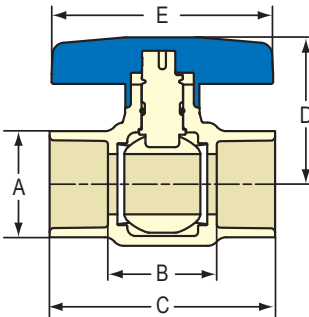
CTS RESIDENTIAL BALL VALVES – LEAD FREE

w/EPDM O-Ring Seals

Socket x Socket

Pressure Rating

100 psi @ 180°F



Part Number	Size	A	B	C	D	E	Approx. Wt. (Lbs.)	Cv Values
CBV-0500-S	1/2	1-7/32	1-1/16	2-3/32	1-11/32	2	.09	37
CBV-0750-S	3/4	1-9/16	1-11/32	2-25/32	1-3/4	2-23/32	.16	84
CBV-1000-S	1	1-7/8	1-9/16	3-3/8	2-3/8	3-1/2	.27	151
CBV-1250-S	1-1/4	2-13/32	1-15/16	4-3/16	2-25/32	3-3/4	.47	229
CBV-1500-S	1-1/2	2-27/32	2-3/8	5-1/32	3-5/32	4-9/32	.76	330
CBV-2000-S	2	3-17/32	2-3/4	6-3/16	3-27/32	5	1.38	598