



### FLUSH ELBOWS & TEES

	1½" O.D.	A	B	2" O.D.	A	B
<b>409 Flush Angle @ 135°</b> Angle ends fit inside tubing.	BH-409	1¼" (32mm)	1¼" (32mm)	BT-409	2" (51mm)	2" (51mm)
<b>410 Flush Elbow, Rounded</b> Elbow ends fit inside tubing.	BH-410	2¾" (70mm)		BT-410	3" (76mm)	
<b>411 Flush Elbow, Square</b> Elbow ends fit inside tubing.	BH-411	1⅞" (48mm)	1⅞" (48mm)	BT-411	2⅝" (54mm)	2⅝" (54mm)
<b>412 Flush Elbow Side Outlet</b> Elbow ends fit inside tubing.	BH-412	1⅞" (48mm)	1⅞" (48mm)	BT-412	2¼" (57mm)	2¼" (57mm)
<b>413 Flush Tee Side Outlet</b> Tee ends fit inside tubing.	BH-413	1⅞" (49mm)	1¾" (45mm)	BT-413	2½" (64mm)	2¼" (57mm)
<b>415F Flush Tee</b> Tee ends fit inside tubing.	BH-415F	1⅞" (49mm)	1¾" (45mm)	BT-415F	2⅞" (62mm)	2¼" (57mm)
<b>416F Flush Cross</b> Cross ends fit inside tubing.	BH-416F	1⅞" (49mm)	1⅞" (49mm)	BT-416F	2½" (64mm)	2½" (64mm)

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### BALL ELBOWS & TEES

	1½" O.D.	A	B	2" O.D.	A	B
<b>414 Ball Elbow</b> Elbow ends slip over tubing.	BH-414	2¾" (70mm)	2¾" (70mm)	BT-414	3⅝" (86mm)	3⅝" (86mm)
<b>415 Ball Tee</b> Tee ends slip over tubing.	BH-415	3" (76mm)	2¾" (70mm)	BT-415	3⅝" (92mm)	3¼" (83mm)
<b>415P Thru Center Ball</b> Tubing fits through ball ends.	BH-415P	2½" (64mm)	2⅞" (75mm)	BT-415P	3⅝" (86mm)	4⅞" (105mm)
<b>415S Ball Tee Side Outlet 135°</b> Tubing fits through ball ends with two 135° side connections.	BH-415S	3⅞" (79mm)		BT-415S	4⅞" (105mm)	
<b>416 Ball Cross</b> Same as 415S except side connections are at 90°.	BH-416	2¾" (70mm)	2⅞" (62mm)	BT-416	3⅝" (92mm)	2⅞" (75mm)
<b>417 Ball Elbow Side Outlet</b> Elbow ends slip over tubing.	BH-417	2¾" (70mm)	2¾" (70mm)	BT-417	3⅝" (86mm)	3⅝" (86mm)
<b>418 Ball Tee Side Outlet</b> Same as 416.	BH-418	2⅝" (67mm)		BT-418	3¼" (83mm)	
<b>419 Ball Cross Side Outlet</b> Same as 416.	BH-419	2⅞" (73mm)	2⅝" (67mm)	BT-419	3½" (89mm)	3⅞" (87mm)
<b>420 Ball Elbow @ 135°</b> Elbow ends slip over tubing.	BH-420	2½" (64mm)		BT-420	3" (76mm)	
<b>421 Ball Elbow Side Outlet @ 135°</b> Elbow ends slip over tubing.	BH-421	2¾" (70mm)		BT-421	3⅞" (81mm)	

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**Ak-Sar-Ben**  
Omaha, Nebraska  
Architect: Leo A. Daly  
2" O.D. Bright Finish Brass  
Model #BT-424 with Miter Cuts and  
Plugged Weld Terminals to Conform to Door Opening