

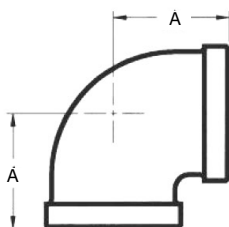
FEATURES:

- **Dimensions:** ASME B16.3
- **Material:** ASTM A536 Grade 65-45-12
- **Hardness:** 131 – 222 BNH
- **Threads:** NPT per ASME B1.20.1
- **Finish:** Black
- **Working Pressure:** Maximum 500PSI

***Note:** Ductile iron fittings have higher tensile strength than that of steel pipe. Therefore, over tightening can cause damage to pipe threads which may cause leakage. Ductile iron fittings should be tightened approximately three turns beyond hand tight, but no more than four turns.



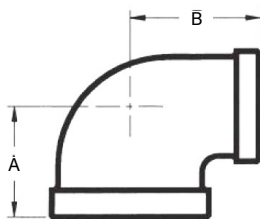
90° ELBOW MODEL TSP-BL



90° ELBOW MODEL TSP-BL						
Size	Pipe O.D	A	Weight	Box	Case	Pallet
In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
1	1.315	1.50	0.57	20	60	2,880
1¼	1.660	1.75	0.97	20	40	1,920
1½	1.900	1.94	1.17	15	30	1,440
2	2.375	2.25	1.83	8	16	768



90° REDUCING ELBOW MODEL TSP-RBL

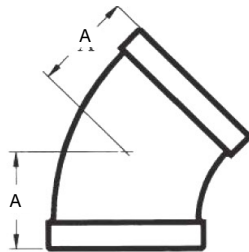


90° REDUCING ELBOW MODEL TSP-RBL							
Size	Pipe O.D	A	B	Weight	Box	Case	Pallet
In.	In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
1 x ¾	1.315 x 1.050	1.18	1.45	0.57	50	100	4,800
1¼ x ½	1.660 x 0.840	1.34	1.53	0.64	20	80	3,800
1¼ x ¾	1.660 x 1.050	1.45	1.62	0.68	15	60	2,880
1¼ x 1	1.660 x 1.315	1.58	1.67	.81	10	40	1,920
1½ x ½	1.900 x 0.840	1.41	1.66	0.84	15	60	2,880
1½ x ¾	1.900 x 1.050	1.52	1.75	0.90	10	40	1,920
1½ x 1	1.900 x 1.315	1.65	1.80	0.95	10	40	1,920
1½ x 1¼	1.900 x 1.660	1.82	1.88	1.10	15	30	1,440
2 x ¾	2.375 x 1.050	1.60	1.97	1.19	9	36	1,728
2 x 1	2.375 x 1.315	1.73	2.02	1.47	14	28	1,344
2 x 1½	2.375 x 1.900	2.02	2.16	1.61	10	20	9,60



45° ELBOW

MODEL TSP-BL45

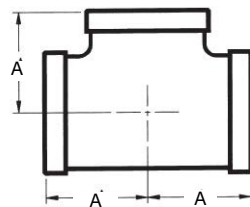


45° ELBOW MODEL TSP-BL45						
Size	Pipe O.D	A	Weight	Box	Case	Pallet
In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
½	0.840	0.88	0.22	50	250	9000
¾	1.050	0.98	0.33	50	150	5400
1	1.315	1.12	0.55	20	60	2880
1¼	1.660	1.29	0.84	20	40	1920
1½	1.900	1.43	0.92	10	30	1440
2	2.375	1.68	1.63	12	24	1152
2½	2.875	1.95	2.42	12	24	432



TEE

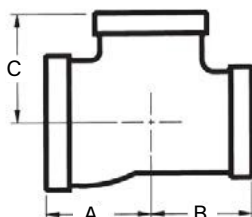
MODEL TSP-BT



TEE MODEL TSP-BT						
Size	Pipe O.D	A	Weight	Box	Case	Pallet
In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
½	0.840	1.12	0.31	50	150	5400
¾	1.050	1.31	0.48	30	90	3200
1	1.315	1.50	0.81	20	40	1920
1¼	1.660	1.75	1.28	14	28	1344
1½	1.900	1.94	1.72	12	24	1152
2	2.375	2.25	2.57	8	16	768



REDUCING TEE MODEL TSP-RBT



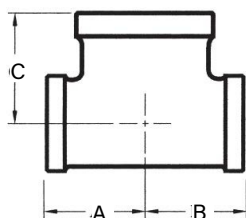
REDUCING TEE MODEL TSP-RBT									
Size		A	B	C	Weight	Box	Case	Pallet	
In.		In.	In.	In.	Lbs.	Qty.	Qty.	Qty.	
1	½	1	1.50	1.36	1.50	0.71	20	80	2880
	¾	½	1.26	1.20	1.36	0.59	30	60	2,880
		¾	1.37	1.31	1.45	0.66	15	60	2,880
		1	1.50	1.45	1.50	0.77	12	48	2,304
	1	½	1.26	1.26	1.36	0.64	11	44	2,112
		¾	1.37	1.37	1.45	0.75	9	36	1,728
1¼	1	½	1.34	1.26	1.53	0.79	20	40	1,920
		¾	1.45	1.37	1.62	0.88	15	30	1,440
		1	1.58	1.50	1.67	1.01	15	30	1,080
		1¼	1.75	1.67	1.75	1.25	20	40	1,920
	1¼	½	1.34	1.34	1.53	0.84	20	40	1,920
		¾	1.45	1.45	1.62	0.99	12	24	1,152
		1	1.58	1.58	1.67	1.12	12	24	1,152
		1¼	1.75	1.75	1.87	1.40	12	24	1,152

REDUCING TEE MODEL TSP-RBT									
Size			A	B	C	Weight	Box	Case	Pallet
In.			In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
1½	1	½	1.44	1.31	1.69	0.92	15	30	1,440
		¾	1.50	1.37	1.75	1.01	12	24	1,152
		1	1.65	1.50	1.80	1.19	12	24	1,152
		1¼	1.82	1.67	1.88	1.54	12	24	1,152
		1½	1.94	1.80	1.94	1.54	12	24	1,152
		2	2.25	2.02	2.25	2.13	10	20	960
	1¼	½	1.41	1.34	1.66	1.08	12	24	1,152
		¾	1.52	1.45	1.75	1.14	8	16	768
		1	1.65	1.58	1.80	1.39	18	36	1,728
	1½	½	1.41	1.41	1.66	1.10	10	30	1,440
		¾	1.52	1.52	1.75	1.17	12	24	1,152
		1	1.65	1.65	1.80	1.36	8	16	768
2	1½	1¼	1.82	1.82	1.88	1.56	8	16	768
		2	2.25	2.10	2.25	2.22	25	-	900
	1½	½	1.49	1.41	1.88	1.52	10	20	960
		¾	1.60	1.52	1.97	1.47	8	16	768
		1	1.73	1.65	2.02	1.63	8	16	768
		1½	2.02	1.94	2.16	2.09	10	20	960
		2	2.25	2.16	2.25	2.33	10	20	960
	2	½	1.49	1.49	1.88	1.56	10	20	960
		¾	1.60	1.60	1.97	1.61	8	16	768
		1	1.73	1.73	2.02	1.80	8	16	768
		1¼	1.90	1.90	2.10	2.09	10	-	360
		1½	2.02	2.02	2.16	2.24	15	-	540



BULL HEAD TEE

MODEL TSP-RBT

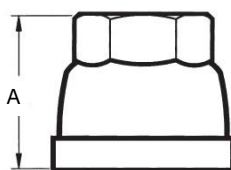


BULLHEAD TEE MODEL TSP-RBT								
Size		A	B	C	Weight	Box	Case	Pallet
In.		In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
1	1	1¼	1.67	1.67	1.58	0.97		
		1½	1.81	1.81	1.65	1.15		
1¼	1	1½	1.88	1.81	1.82	1.43		
		1½	1.88	1.88	1.82	1.52		
		2	2.10	2.10	1.90	1.80		
1½	1¼	2	2.16	2.10	2.02	1.94		
	1½	2	2.16	2.16	2.02	2.00		
2	2	2½	2.60	2.60	2.39	3.61		



REDUCING COUPLING

MODEL TSP-BRS

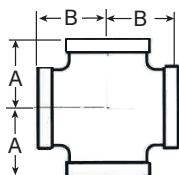


REDUCING COUPLING MODEL TSP-BRS							
Size	Pipe O.D.	A	Wrench Size	Weight	Box	Case	Pallet
In.	In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
¾ x ½	1.050 x 0.840	1.63	1¼	0.37	25	100	4,800
1 x ½	1.315 x 0.840	1.69	1¼	0.37	25	75	3,600
1 x ¾	1.315 x 1.050	1.37	1½	0.48	30	60	2,160
1¼ x ¾	1.660 x 1.050	2.06	1½	0.59	25	50	1,800
1¼ x 1	1.660 x 1.315	2.06	-	0.66	45	90	1,620
1½ x 1	1.900 x 1.315	2.31	-	0.84	35	70	1,260
1½ x 1¼	1.900 x 1.660	2.31	-	0.92	30	60	1,080
2 x 1	2.375 x 1.315	2.81	-	1.23	30	60	1,080
2 x 1¼	2.375 x 1.660	2.81	-	1.28	18	36	648
2 x 1½	2.375 x 1.900	2.81	-	1.66	15	30	1,440
2½ x 2	2.875 x 2.375	3.25	-	2.24	10	20	960



CROSS

MODEL TSP-BCR

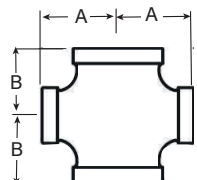


CROSS MODEL TSP-BCR							
Size	A	B	C	Weight	Box	Case	Pallet
in.	in.	in.	in.	Lbs.	Qty.	Qty.	Qty.
1	1.315	1.50	1.50	0.95	8	16	768
1¼	1.660	1.75	1.75	1.43	5	10	480
1½	1.900	1.94	1.94	1.87	10	30	1,080
2	2.375	2.25	2.25	2.86	8	24	864



REDUCING CROSS

MODEL TSP-RBCR

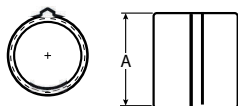


REDUCING CROSS MODEL TSP-RBCR						
Size	A	B	Weight	Box	Case	Pallet
In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
1¼ x 1¼ x 1 x 1	1.67	1.58	1.25	16	32	576
1½ x 1½ x 1 x 1	1.67	1.58	1.25	18	36	360
2 x 2 x 1 x 1	2.02	1.73	1.94	15	30	1,080



STRAIGHT COUPLING

MODEL TSP-BTAS

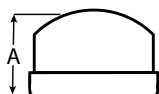


STRAIGHT COUPLING MODEL TSP-BTAS							
Size	Pipe O.D.	A	Wrench Size	Weight	Box	Case	Pallet
in.		in.		Lbs.	Qty.	Qty.	Qty.
1	1.315	1.77	1 ¹¹ / ₁₆	0.42	18	36	1,728
1¼	1.660	2.00	2	0.57	12	24	1,152
1½	1.900	2.20	2¼	0.77	18	648	31,104
2	2.375	2.60	2¾	.17	50	600	28800



CAP

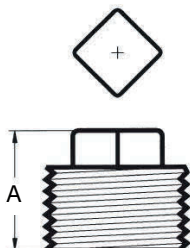
MODEL TSP-BRCA



CAP MODEL TSP-BRCA						
Size	Pipe O.D.	A	Weight	Box	Case	Pallet
in.		in.	Lbs.	Qty.	Qty.	Qty.
1	1.315	1.18	.33	18	54	2,592
1¼	1.660	1.32	0.46	12	36	1,728
1½	1.900	1.38	0.57	25	100	4,800
2	2.375	1.48	0.88	50	200	9,600



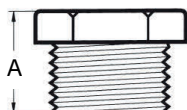
PLUG MODEL TSP-PG



PLUG MODEL TSP-PG						
Size	Pipe O. D	A	Weight	Box	Case	Pallet
In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
½	0.840	0.93	0.09	20	240	11,520
¾	1.050	1.13	0.18	40	120	5,760
1	1.315	1.25	0.25	30	90	4,320
1¼	1.660	1.36	0.42	20	60	2,880
1½	1.900	1.45	0.59	25	50	1,800
2	2.375	1.50	0.95	15	30	1,080



HEX BUSHING MODEL TSP-HBU



HEX BUSHING MODEL TSP-HBU						
Size	Pipe O.D.	A	Weight	Box	Case	Pallet
In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
1 x ½	1.315 x 0.840	1.06	0.20	20	60	2,880
1 x ¾	1.315 x 1.050	1.06	0.18	20	60	2,880
1¼ x 1	1.660 x 1.315	1.18	0.29	50	100	4,880
1½ x 1	1.900 x 1.315	1.26	0.53	35	70	3,360
1½ x 1¼	1.900 x 1.660	1.26	0.37	20	40	1,920
2 x 1	2.375 x 1.315	1.34	0.75	15	30	1,440
2 x 1¼	2.375 x 1.660	1.34	0.75	10	20	960
2 x 1½	2.375 x 1.900	1.34	0.64	6	12	576

GENERAL NOTES:

- Listed and or Approved Pressures are pressure ratings for fire protection systems, tested and approved by various approval bodies. Please always refer to the latest approval data posted on the Lansdale website.
- Field Joint Test: For one time only the system may be tested hydrostatically at 1½ times the maximum working pressure listed (AWWA C606 5.2.3).
- Warning: Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- Lansdale reserves the right to change specifications, designs and or standard without notice and without incurring any obligations. Lansdale product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Lansdale Technical Service. Lansdale reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligations to make such changes and modifications on Lansdale products previously subsequently sold.

PROJECT	APPROVAL STAMP
PROJECT:	☐ APPROVED
ADDRESS:	☐ APPROVED AS NOTED
ENGINEER:	☐ NOT APPROVED
SUBMITTAL DATA:	REMARKS:
NOTES 1:	
NOTES 2:	