

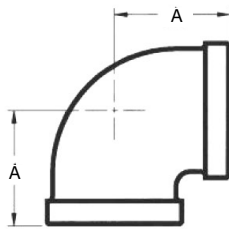
## FEATURES:

- **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.



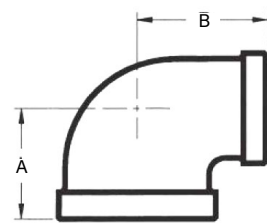
## 90° ELBOW MODEL TSP-BL



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
2½	2.875	2.70	3.28	10	-	480



## 90° REDUCING ELBOW MODEL TSP-RBL

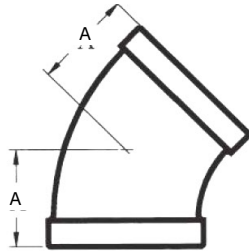


90° REDUCING ELBOW MODEL TSP-RBL							
Size	Pipe O.D	A	B	Weight	Box	Case	Pallet
In.	In.	In.	In.	In.	In.	In.	In.
1 x ¾	1.315 x 1.050	1.18	1.45	0.57	50	100	4,800
1¼ x ½	1.660 x 0.840	1.34	1.53	0.64	20	80	3,800
1¼ x ¾	1.660 x 1.050	1.45	1.62	0.68	15	60	2,880
1¼ x 1	1.660 x 1.315	1.58	1.67	.81	10	40	1,920
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
2½ x 2	2.875 x 2.375	2.39	2.60	3.01	15	-	720



## 45° ELBOW

MODEL TSP-BL45

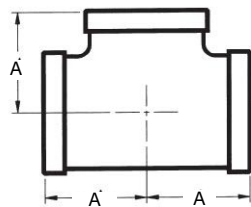


45° ELBOW MODEL TSP-BL45						
Size	Pipe O.D	A	Weight	Box	Case	Pallet
In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
½	0.840	0.88	0.22	50	250	9000
¾	1.050	0.98	0.33	50	150	5400
1	1.315	1.12	0.55	20	60	2880
1¼	1.660	1.29	0.84	20	40	1920
1½	1.900	1.43	0.92	10	30	1440
2	2.375	1.68	1.63	12	24	1152
2½	2.875	1.95	2.42	12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



## TEE

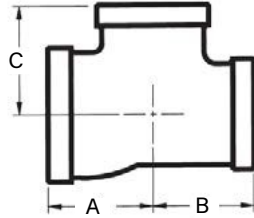
MODEL TSP-BT



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
2½	2.875	2.70	4.51	8	-	384



## REDUCING TEE MODEL TSP-RBT



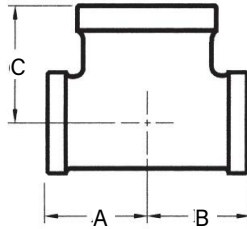
REDUCING TEE MODEL TSP-RBT									
Size		A	B	C	Weight	Box	Case	Pallet	
In.		In.	In.	In.	Lbs.	Qty.	Qty.	Qty.	
1	½	1	1.50	1.36	1.50	0.71	20	80	2880
	¾	½	1.26	1.20	1.36	0.59	30	60	2,880
		¾	1.37	1.31	1.45	0.66	15	60	2,880
		1	1.50	1.45	1.50	0.77	12	48	2,304
	1	½	1.26	1.26	1.36	0.64	11	44	2,112
		¾	1.37	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

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	
	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
2	1	1	1.65	1.65	1.80	1.36	8	16	768	
		1¼	1.82	1.82	1.88	1.56	8	16	768	
		2	2.25	2.02	2.25	2.13	10	20	960	
	1½	1¼	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	
2½	2	¾	1.74	1.60	2.32	2.22	15	-	540	



## BULL HEAD TEE

MODEL TSP-RBT

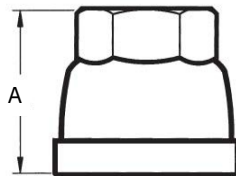


BULLHEAD TEE MODEL TSP-RBT								
Size		A	B	C	Weight	Box	Case	Pallet
In.		In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
1	1	1¼	1.67	1.67	1.58	0.97		
		1½	1.81	1.81	1.65	1.15		
1¼	1	1½	1.88	1.81	1.82	1.43		
		1½	1.88	1.88	1.82	1.52		
	1¼	2	2.10	2.10	1.90	1.80		
1½	1¼	2	2.16	2.10	2.02	1.94		
	1½	2	2.16	2.16	2.02	2.00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



## REDUCING COUPLING

MODEL TSP-BRS

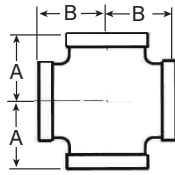


REDUCING COUPLING MODEL TSP-BRS							
Size	Pipe O.D.	A	Wrench Size	Weight	Box	Case	Pallet
In.	In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
¾ x ½	1.050 x 0.840	1.63	1¼	0.37	25	100	4,800
1 x ½	1.315 x 0.840	1.69	1¼	0.37	25	75	3,600
1 x ¾	1.315 x 1.050	1.37	1½	0.48	30	60	2,160
1¼ x ¾	1.660 x 1.050	2.06	1½	0.59	25	50	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

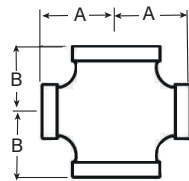


CROSS MODEL TSP-BCR							
Size	A	B	C	Weight	Box	Case	Pallet
in.	in.	in.	in.	Lbs.	Qty.	Qty.	Qty.
1	1.315	1.50	1.50	0.95	8	16	768
1¼	1.660	1.75	1.75	1.43	5	10	480
1½	1.900	1.94	1.94	1.87	10	30	1,080
2	2.375	2.25	2.25	2.86	8	24	864



## REDUCING CROSS

MODEL TSP-RBCR

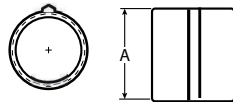


REDUCING CROSS MODEL TSP-RBCR							
Size	A	B	Weight	Box	Case	Pallet	
in.	in.	in.	Lbs.	Qty.	Qty.	Qty.	
1¼ x 1¼ x 1 x 1	1.67	1.58	1.25	16	32	576	
1½ x 1½ x 1 x 1	1.67	1.58	1.25	18	36	360	
2 x 2 x 1 x 1	2.02	1.73	1.94	15	30	1,080	



## STRAIGHT COUPLING

MODEL TSP-BTAS

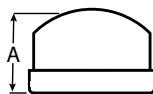


STRAIGHT COUPLING MODEL TSP-BTAS							
Size	Pipe O.D.	A	Wrench Size	Weight	Box	Case	Pallet
in.	in.	in.	in.	Lbs.	Qty.	Qty.	Qty.
1	1.315	1.77	1 <sup>11</sup> / <sub>16</sub>	0.42	18	36	1,728
1¼	1.660	2.00	2	0.57	12	24	1,152
1½	1.900	2.20	2¼	0.77	18	648	31,104
2	2.375	2.60	2¾	.17	50	600	28800
2½	2.875	3.0	3¾	2.29	18	-	-



## CAP

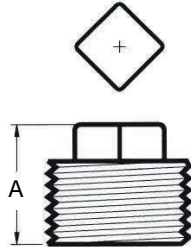
MODEL TSP-BRCA



CAP MODEL TSP-BRCA						
Size	Pipe O.D.	A	Weight	Box	Case	Pallet
in.	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
2½	2.875	1.77	1.54	25	100	4800



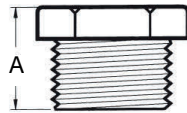
## PLUG MODEL TSP-PG



PLUG MODEL TSP-PG						
Size	Pipe O. D	A	Weight	Box	Case	Pallet
In.	In.	In.	Lbs.	Qty.	Qty.	Qty.
1/2	0.840	0.93	0.09	20	240	11,520
3/4	1.050	1.13	0.18	40	120	5,760
1	1.315	1.25	0.25	30	90	4,320
1 1/4	1.660	1.36	0.42	20	60	2,880
1 1/2	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 1/2	1.315 x 0.840	1.06	0.20	20	60	2,880
1 x 3/4	1.315 x 1.050	1.06	0.18	20	60	2,880
1 1/4 x 1	1.660 x 1.315	1.18	0.29	50	100	4,880
1 1/2 x 1	1.900 x 1.315	1.26	0.53	35	70	3,360
1 1/2 x 1 1/4	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 1 1/4	2.375 x 1.660	1.34	0.75	10	20	960
2 x 1 1/2	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 1 1/2 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:	<input type="checkbox"/> APPROVED
ADDRESS:	<input type="checkbox"/> APPROVED AS NOTED
ENGINEER:	<input type="checkbox"/> NOT APPROVED
SUBMITTAL DATA:	REMARKS:
NOTES 1:	
NOTES 2:	