THRUST BLOCKS FOR VERTICAL ELBOWS AT CREST

B11.25d - P = 10 Bars

D (mm)	TBW (mm)	TBL (mm)	TBH (mm)	NECK REINF.	BLOCK REINFORCEMENT
100	500	500	300	2x4T10	T10@200 T&B & ALL AROUND
125	600	600	400	2x5T10	T10@200 T&B & ALL AROUND
150	600	600	400	2x5T10	T10@200 T&B & ALL AROUND
200	700	700	600	2x5T10	T10@200 T&B & ALL AROUND
250	800	800	700	2x5T10	T10@200 T&B & ALL AROUND
300	900	900	750	2x5T10	T10@200 T&B & ALL AROUND
350	1000	1000	800	2x5T10/LM	T10@200 T&B & ALL AROUND
400	1100	1100	900	2x5T10/LM	T10@200 T&B & ALL AROUND
450	1200	1200	1000	2x5T10/LM	T10@200 T&B & ALL AROUND
500	1300	1300	1100	2x5T10/LM	T10@200 T&B & ALL AROUND
600	1400	1400	1200	2x5T10/LM	T10@200 T&B & ALL AROUND
700	1600	1600	1400	2x5T10/LM	T10@200 T&B & ALL AROUND
800	1700	1700	1500	2x5T10/LM	T10@200 T&B & ALL AROUND
900	1900	1900	1600	2x5T10/LM	T10@200 T&B & ALL AROUND
1000	2000	2000	1600	2x5T10/LM	T10@200 T&B & ALL AROUND

THRUST BLOCKS FOR VERTICAL ELBOWS AT SAG

B11.25d - P = 10 Bars

D (mm)	FL (mm)	FW (mm)	FD (mm)	BLOCK REINFORCEMENT	NECK REINF.
100	500	500	200	T10@200 T&B IN BOTH DIR.	2x4T10
125	550	550	200	T10@200 T&B IN BOTH DIR.	2x4T10
150	550	550	200	T10@200 T&B IN BOTH DIR.	2x4T10
200	700	700	200	T10@200 T&B IN BOTH DIR.	2x4T10
250	800	800	200	T10@200 T&B IN BOTH DIR.	2x4T10
300	900	900	200	T10@200 T&B IN BOTH DIR.	2x6T10
350	1000	1000	200	T12@200 T&B IN BOTH DIR.	2x4T10/LM
400	1000	1000	200	T12@200 T&B IN BOTH DIR.	2x4T10/LM
450	1200	1200	300	T14@200 T&B IN BOTH DIR.	2x4T10/LM
500	1300	1300	300	T14@200 T&B IN BOTH DIR.	2x4T10/LM
600	1400	1400	300	T14@200 T&B IN BOTH DIR.	2x4T10/LM
700	1500	1500	400	T14@200 T&B IN BOTH DIR.	2x4T10/LM
800	1600	1600	400	T14@200 T&B IN BOTH DIR.	2x4T10/LM
900	1800	1800	500	T14@200 T&B IN BOTH DIR.	2x4T10/LM
1000	2000	2000	500	T14@200 T&B IN BOTH DIR.	2x4T10/LM

THRUST BLOCKS FOR HORIZONTAL BENDS

B11.25d - P = 10 Bars

D(mm)	W&H (mm)	L (mm)	t (mm)	SIDE WALL & FOOTING REINFORCEMENT
100	550	550	200	T10@200 T&B IN BOTH DIR.
125	600	600	200	T10@200 T&B IN BOTH DIR.
150	650	650	200	T10@200 T&B IN BOTH DIR.
200	800	800	200	T10@200 T&B IN BOTH DIR.
250	900	900	200	T10@200 T&B IN BOTH DIR.
300	1000	1000	200	T10@200 T&B IN BOTH DIR.
350	1100	1100	200	T10@200 T&B IN BOTH DIR.
400	1100	1100	200	T10@200 T&B IN BOTH DIR.
450	1300	1300	300	T10@200 T&B IN BOTH DIR.
500	1400	1400	300	T10@200 T&B IN BOTH DIR.
600	1500	1500	300	T10@200 T&B IN BOTH DIR.
700	1800	1800	400	T10@200 T&B IN BOTH DIR.
800	1900	1900	400	T10@200 T&B IN BOTH DIR.
900	2200	2200	500	T12@200 T&B IN BOTH DIR.
1000	2300	2300	500	T12@200 T&B IN BOTH DIR.

THRUST BLOCKS FOR REDUCERS

Reducers P = 10 Bars

Dn (mm)	dn (mm)	W(mm)	L(mm)	C(mm)	t(mm)	NECK & FOOTING REINFORCEMENT
100	60	650	1000	200	300	T12@200 T&B IN BOTH DIR.
100	80	650	1000	200	300	T12@200 T&B IN BOTH DIR.
125	60	650	1000	200	300	T12@200 T&B IN BOTH DIR.
125	80	650	1000	200	300	T12@200 T&B IN BOTH DIR.
125	100	650	1000	200	300	T12@200 T&B IN BOTH DIR.
150	60	650	1000	200	300	T12@200 T&B IN BOTH DIR.
150	80	650	1000	200	300	T12@200 T&B IN BOTH DIR.
150	100	650	1000	200	300	T12@200 T&B IN BOTH DIR.
150	125	650	1000	200	300	T12@200 T&B IN BOTH DIR.
200	100	900	1800	400	500	T12@200 T&B IN BOTH DIR.
200	125	900	1800	400	500	T12@200 T&B IN BOTH DIR.
200	150	900	1800	400	500	T12@200 T&B IN BOTH DIR.
250	125	900	1800	400	500	T12@200 T&B IN BOTH DIR.
250	150	900	1800	400	500	T12@200 T&B IN BOTH DIR.
250	200	900	1800	400	500	T12@200 T&B IN BOTH DIR.
300	150	900	1800	400	500	T14@200 T&B IN BOTH DIR.
300	200	900	1800	400	500	T14@200 T&B IN BOTH DIR.
300	250	900	1800	400	500	T12@200 T&B IN BOTH DIR.
350	200	900	1800	400	500	T14@200 T&B IN BOTH DIR.
350	250	1200	1600	500	600	T14@200 T&B IN BOTH DIR.
350	300	1200	1600	500	600	T12@200 T&B IN BOTH DIR.
400	250	1200	1600	500	600	T16@200 T&B IN BOTH DIR.
400	300	1200	1600	500	600	T14@200 T&B IN BOTH DIR.
400	350	1200	1600	500	600	T12@200 T&B IN BOTH DIR.
450	300	1800	2300	600	900	T16@200 T&B IN BOTH DIR.
450	350	1800	2300	600	900	T16@200 T&B IN BOTH DIR.
450	400	1800	2300	600	900	T14@200 T&B IN BOTH DIR.
500	350	1800	2300	600	900	T20@200 T&B IN BOTH DIR.
500	400	1800	2300	600	900	T16@200 T&B IN BOTH DIR.
500	450	1800	2300	600	900	T14@200 T&B IN BOTH DIR.
600	400	1800	2300	600	900	T25@200 T&B IN BOTH DIR.
600	450	1800	2300	600	900	T20@200 T&B IN BOTH DIR.
600	500	1800	2300	600	900	T16@200 T&B IN BOTH DIR.
700	500	2400	2400	600	1200	T25@200 T&B IN BOTH DIR.
700	600	2400	2400	600	1200	T20@200 T&B IN BOTH DIR.
800	600	2400	2400	600	1200	T25@200 T&B IN BOTH DIR.
800	700	2400	2400	600	1200	T20@200 T&B IN BOTH DIR.
900	700	3000	3000	800	1500	T25@200 T&B IN BOTH DIR.
900	800	3000	3000	800	1500	T25@200 T&B IN BOTH DIR.
1000	800	3000	3000	800	1500	T25@200 T&B IN BOTH DIR.
1000	900	3000	3000	800	1500	T20@200 T&B IN BOTH DIR.

THRUST BLOCKS FOR VERTICAL ELBOWS AT CREST

B22.5d - P = 10 Bars

D (mm)	TBW (mm)	TBL (mm)	TBH (mm)	NECK REINF.	BLOCK REINFORCEMENT
100	600	600	400	2x5T10	T10@200 T&B & ALL AROUND
125	800	800	700	2x5T10	T10@200 T&B & ALL AROUND
150	800	800	700	2x5T10	T10@200 T&B & ALL AROUND
200	1000	1000	800	2x5T10/LM	T10@200 T&B & ALL AROUND
250	1100	1100	800	2x5T10/LM	T10@200 T&B & ALL AROUND
300	1200	1200	900	2x5T10/LM	T10@200 T&B & ALL AROUND
350	1300	1300	1100	2x5T10/LM	T10@200 T&B & ALL AROUND
400	1400	1400	1200	2x5T10/LM	T10@200 T&B & ALL AROUND
450	1500	1500	1400	2x5T10/LM	T10@200 T&B & ALL AROUND
500	1600	1600	1500	2x5T10/LM	T10@200 T&B & ALL AROUND
600	1700	1700	1600	2x5T10/LM	T10@200 T&B & ALL AROUND
700	2000	2000	1800	2x5T10/LM	T10@200 T&B & ALL AROUND
800	2100	2100	1900	2x5T10/LM	T10@200 T&B & ALL AROUND
900	2300	2300	2200	2x5T10/LM	T10@200 T&B & ALL AROUND
1000	2400	2400	2300	2x5T10/LM	T10@200 T&B & ALL AROUND

THRUST BLOCKS FOR VERTICAL ELBOWS AT SAG

B22.5d - P = 10 Bars

D (mm)	FL (mm)	FW (mm)	FD (mm)	BLOCK REINFORCEMENT	NECK REINF.
100	500	500	200	T10@200 T&B IN BOTH DIR.	2x4T10
125	500	500	200	T10@200 T&B IN BOTH DIR.	2x4T10
150	550	550	200	T10@200 T&B IN BOTH DIR.	2x4T10
200	700	700	200	T10@200 T&B IN BOTH DIR.	2x4T10
250	800	800	200	T10@200 T&B IN BOTH DIR.	2x4T10
300	900	900	200	T10@200 T&B IN BOTH DIR.	2x4T10
350	950	950	200	T10@200 T&B IN BOTH DIR.	2x4T10
400	1000	1000	300	T10@200 T&B IN BOTH DIR.	2x4T10
450	1200	1200	300	T12@200 T&B IN BOTH DIR.	2x4T10
500	1300	1300	300	T14@200 T&B IN BOTH DIR.	2x4T10/LM
600	1400	1400	300	T14@200 T&B IN BOTH DIR.	2x4T10/LM
700	1500	1500	400	T14@200 T&B IN BOTH DIR.	2x4T10/LM
800	1600	1600	400	T14@200 T&B IN BOTH DIR.	2x4T10/LM
900	1800	1800	500	T14@200 T&B IN BOTH DIR.	2x4T10/LM
1000	2000	2000	500	T16@200 T&B IN BOTH DIR.	2x4T12/LM

THRUST BLOCKS FOR HORIZONTAL BENDS

B22.5d - P = 10 Bars

D(mm)	W&H (mm)	L (mm)	t (mm)	SIDE WALL & FOOTING REINFORCEMENT
100	550	550	200	T10@200 T&B IN BOTH DIR.
125	600	600	200	T10@200 T&B IN BOTH DIR.
150	650	650	200	T10@200 T&B IN BOTH DIR.
200	800	800	200	T10@200 T&B IN BOTH DIR.
250	900	900	200	T10@200 T&B IN BOTH DIR.
300	1000	1000	200	T10@200 T&B IN BOTH DIR.
350	1100	1100	200	T10@200 T&B IN BOTH DIR.
400	1100	1100	200	T10@200 T&B IN BOTH DIR.
450	1300	1300	300	T10@200 T&B IN BOTH DIR.
500	1400	1400	300	T10@200 T&B IN BOTH DIR.
600	1500	1500	300	T10@200 T&B IN BOTH DIR.
700	1800	1800	400	T10@200 T&B IN BOTH DIR.
800	1900	1900	400	T10@200 T&B IN BOTH DIR.
900	2200	2200	500	T12@200 T&B IN BOTH DIR.
1000	2300	2300	500	T12@200 T&B IN BOTH DIR.

THRUST BLOCKS FOR VERTICAL ELBOWS AT CREST

B45d - P = 10 Bars

D (mm)	TBW (mm)	TBL (mm)	TBH (mm)	NECK REINF.	BLOCK REINFORCEMENT
100	700	700	600	2x5T10	T10@200 T&B & ALL AROUND
125	800	800	700	2x5T10	T10@200 T&B & ALL AROUND
150	900	900	800	2x5T10	T10@200 T&B & ALL AROUND
200	1200	1200	1000	2x5T10/LM	T10@200 T&B & ALL AROUND
250	1300	1300	1100	2x5T10/LM	T10@200 T&B & ALL AROUND
300	1400	1400	1200	2x5T10/LM	T10@200 T&B & ALL AROUND
350	1600	1600	1400	2x5T10/LM	T10@200 T&B & ALL AROUND
400	1700	1700	1500	2x5T10/LM	T10@200 T&B & ALL AROUND
450	2000	2000	1800	2x5T10/LM	T10@200 T&B & ALL AROUND
500	2100	2100	1900	2x5T10/LM	T10@200 T&B & ALL AROUND
600	2200	2200	2000	2x5T10/LM	T10@200 T&B & ALL AROUND
700	2400	2400	2200	2x5T10/LM	T10@200 T&B & ALL AROUND
800	2600	2600	2400	2x5T10/LM	T10@200 T&B & ALL AROUND
900	2800	2800	2600	2x5T12/LM	T12@200 T&B & ALL AROUND
1000	3000	3000	2800	2x5T12/LM	T12@200 T&B & ALL AROUND

THRUST BLOCKS FOR VERTICAL ELBOWS AT SAG

B45d - P = 10 Bars

D (mm)	FL (mm)	FW (mm)	FD (mm)	BLOCK REINFORCEMENT	NECK REINF.
100	500	500	200	T10@200 T&B IN BOTH DIR.	2x4T10
125	500	500	200	T10@200 T&B IN BOTH DIR.	2x4T10
150	550	550	200	T10@200 T&B IN BOTH DIR.	2x4T10
200	700	700	200	T10@200 T&B IN BOTH DIR.	2x4T10
250	800	800	200	T10@200 T&B IN BOTH DIR.	2x4T10
300	900	900	200	T10@200 T&B IN BOTH DIR.	2x4T10
350	1000	1000	200	T12@200 T&B IN BOTH DIR.	2x4T10
400	1000	1000	200	T12@200 T&B IN BOTH DIR.	2x4T10/LM
450	1200	1200	300	T14@200 T&B IN BOTH DIR.	2x4T10/LM
500	1300	1300	300	T14@200 T&B IN BOTH DIR.	2x4T10/LM
600	1400	1400	300	T14@200 T&B IN BOTH DIR.	2x4T10/LM
700	1500	1500	400	T14@200 T&B IN BOTH DIR.	2x4T10/LM
800	1600	1600	400	T14@200 T&B IN BOTH DIR.	2x4T10/LM
900	1800	1800	500	T16@200 T&B IN BOTH DIR.	2x4T12/LM
1000	2000	2000	500	T16@200 T&B IN BOTH DIR.	2x4T12/LM

THRUST BLOCKS FOR HORIZONTAL BENDS

B45d - P = 10 Bars

D(mm)	W&H (mm)	L (mm)	t (mm)	SIDE WALL & FOOTING REINFORCEMENT
100	550	550	200	T10@200 T&B IN BOTH DIR.
125	600	600	200	T10@200 T&B IN BOTH DIR.
150	650	650	200	T10@200 T&B IN BOTH DIR.
200	1000	1000	300	T10@200 T&B IN BOTH DIR.
250	1100	1100	300	T10@200 T&B IN BOTH DIR.
300	1200	1200	300	T10@200 T&B IN BOTH DIR.
350	1300	1300	400	T10@200 T&B IN BOTH DIR.
400	1400	1400	400	T10@200 T&B IN BOTH DIR.
450	1600	1800	500	T10@200 T&B IN BOTH DIR.
500	1700	1900	600	T10@200 T&B IN BOTH DIR.
600	1800	2000	600	T10@200 T&B IN BOTH DIR.
700	2300	2500	700	T12@200 T&B IN BOTH DIR.
800	2400	2600	800	T12@200 T&B IN BOTH DIR.
900	2800	3200	900	T12@200 T&B IN BOTH DIR.
1000	2900	3300	1000	T12@200 T&B IN BOTH DIR.

THRUST BLOCKS FOR PLUGS

PLUG - P = 10 Bars

D(mm)	W&H (mm)	L (mm)	t (mm)	SIDE WALL & FOOTING REINFORCEMENT
100	550	550	200	T10@200 T&B IN BOTH DIR.
125	600	600	200	T10@200 T&B IN BOTH DIR.
150	650	650	200	T10@200 T&B IN BOTH DIR.
200	1000	1000	300	T10@200 T&B IN BOTH DIR.
250	1100	1100	300	T10@200 T&B IN BOTH DIR.
300	1200	1200	300	T10@200 T&B IN BOTH DIR.
350	1300	1300	400	T10@200 T&B IN BOTH DIR.
400	1400	1600	400	T10@200 T&B IN BOTH DIR.
450	1700	2100	500	T10@200 T&B IN BOTH DIR.
500	1800	2200	600	T10@200 T&B IN BOTH DIR.
600	1900	2300	600	T10@200 T&B IN BOTH DIR.
700	2400	2900	700	T12@200 T&B IN BOTH DIR.
800	2500	3000	800	T12@200 T&B IN BOTH DIR.
900	2900	3700	900	T12@200 T&B IN BOTH DIR.
1000	3000	3800	1000	T14@200 T&B IN BOTH DIR.

THRUST BLOCKS FOR VERTICAL ELBOWS AT CREST

B90d - P = 10 Bars

D (mm)	TBW (mm)	TBL (mm)	TBH (mm)	NECK REINF.	BLOCK REINFORCEMENT
100	800	800	750	2x5T10	T10@200 T&B & ALL AROUND
125	1000	1000	800	2x5T10/LM	T10@200 T&B & ALL AROUND
150	1100	1100	900	2x5T10/LM	T10@200 T&B & ALL AROUND
200	1500	1500	1300	2x5T10/LM	T10@200 T&B & ALL AROUND
250	1600	1600	1400	2x5T10/LM	T10@200 T&B & ALL AROUND
300	1700	1700	1500	2x5T10/LM	T10@200 T&B & ALL AROUND
350	2000	2000	1600	2x5T10/LM	T10@200 T&B & ALL AROUND
400	2100	2100	1700	2x5T10/LM	T10@200 T&B & ALL AROUND
450	2500	2500	2100	2x5T10/LM	T10@200 T&B & ALL AROUND
500	2600	2600	2200	2x5T10/LM	T10@200 T&B & ALL AROUND
600	2700	2700	2300	2x5T12/LM	T12@200 T&B & ALL AROUND
700	3200	3200	2700	2x5T12/LM	T12@200 T&B & ALL AROUND
800	3300	3300	2800	2x5T12/LM	T12@200 T&B & ALL AROUND
900	3700	3700	3000	2x5T12/LM	T12@200 T&B & ALL AROUND
1000	3900	3900	3100	2x5T12/LM	T12@200 T&B & ALL AROUND

THRUST BLOCKS FOR VERTICAL ELBOWS AT SAG

B90d - P = 10 Bars

D (mm)	FL (mm)	FW (mm)	FD (mm)	BLOCK REINFORCEMENT	NECK REINF.
100	500	500	200	T10@200 T&B IN BOTH DIR.	2x4T10
125	550	550	200	T10@200 T&B IN BOTH DIR.	2x4T10
150	550	550	200	T10@200 T&B IN BOTH DIR.	2x4T10
200	700	700	300	T10@200 T&B IN BOTH DIR.	2x4T10
250	800	800	300	T10@200 T&B IN BOTH DIR.	2x4T10
300	900	900	300	T10@200 T&B IN BOTH DIR.	2x4T10/LM
350	1000	1000	400	T12@200 T&B IN BOTH DIR.	2x4T10/LM
400	1100	1100	400	T12@200 T&B IN BOTH DIR.	2x4T10/LM
450	1400	1400	600	T14@200 T&B IN BOTH DIR.	2x4T10/LM
500	1500	1500	600	T14@200 T&B IN BOTH DIR.	2x4T10/LM
600	1700	1700	600	T16@200 T&B IN BOTH DIR.	2x4T12/LM
700	2000	2000	800	T16@200 T&B IN BOTH DIR.	2x4T12/LM
800	2200	2200	800	T20@200 T&B IN BOTH DIR.	2x4T12/LM
900	2500	2500	900	T20@200 T&B IN BOTH DIR.	2x4T12/LM
1000	2750	2750	1000	T20@200 T&B IN BOTH DIR.	2x4T12/LM

THRUST BLOCKS FOR HORIZONTAL BENDS

B90d - P = 10 Bars

D(mm)	W&H (mm)	L (mm)	t (mm)	SIDE WALL & FOOTING REINFORCEMENT
100	550	550	200	T10@200 T&B IN BOTH DIR.
125	600	600	200	T10@200 T&B IN BOTH DIR.
150	650	650	200	T10@200 T&B IN BOTH DIR.
200	1000	1200	300	T10@200 T&B IN BOTH DIR.
250	1100	1300	300	T10@200 T&B IN BOTH DIR.
300	1200	1400	300	T10@200 T&B IN BOTH DIR.
350	1300	1800	400	T10@200 T&B IN BOTH DIR.
400	1400	1900	400	T10@200 T&B IN BOTH DIR.
450	1600	2600	500	T10@200 T&B IN BOTH DIR.
500	1700	2700	600	T10@200 T&B IN BOTH DIR.
600	1800	2800	600	T10@200 T&B IN BOTH DIR.
700	2300	3600	700	T12@200 T&B IN BOTH DIR.
800	2400	3700	800	T12@200 T&B IN BOTH DIR.
900	2800	4400	900	T14@200 T&B IN BOTH DIR.
1000	2900	4500	1000	T14@200 T&B IN BOTH DIR.

THRUST BLOCKS FOR VERTICAL ELBOWS AT CREST

TEE - P = 10 Bars

D (mm)	TBW (mm)	TBL (mm)	TBH (mm)	NECK REINF.	BLOCK REINFORCEMENT
100	550	550	550	2x5T10	T10@200 T&B & ALL AROUND
125	600	600	600	2x5T10	T10@200 T&B & ALL AROUND
150	650	650	650	2x5T10	T10@200 T&B & ALL AROUND
200	1000	1000	1000	2x5T10/LM	T10@200 T&B & ALL AROUND
250	1100	1100	1100	2x5T10/LM	T10@200 T&B & ALL AROUND
300	1200	1200	1200	2x5T10/LM	T10@200 T&B & ALL AROUND
350	1300	1500	1300	2x5T10/LM	T10@200 T&B & ALL AROUND
400	1400	1600	1400	2x5T10/LM	T10@200 T&B & ALL AROUND
450	1700	2100	1700	2x5T10/LM	T10@200 T&B & ALL AROUND
500	1800	2200	1800	2x5T10/LM	T10@200 T&B & ALL AROUND
600	1900	2300	1900	2x5T10/LM	T10@200 T&B & ALL AROUND
700	2400	2900	2400	2x5T12/LM	T12@200 T&B & ALL AROUND
800	2500	3000	2500	2x5T12/LM	T12@200 T&B & ALL AROUND
900	2800	3600	3000	2x5T12/LM	T12@200 T&B & ALL AROUND
1000	3000	3800	3000	2x5T12/LM	T12@200 T&B & ALL AROUND

THRUST BLOCKS FOR VERTICAL ELBOWS AT SAG

TEE - P = 10 Bars

D (mm)	FL (mm)	FW (mm)	FD (mm)	BLOCK REINFORCEMENT	NECK REINF.
100	500	500	200	T10@200 T&B IN BOTH DIR.	2x4T10
125	550	550	200	T10@200 T&B IN BOTH DIR.	2x4T10
150	550	550	200	T10@200 T&B IN BOTH DIR.	2x4T10
200	700	700	300	T10@200 T&B IN BOTH DIR.	2x4T10
250	800	800	300	T10@200 T&B IN BOTH DIR.	2x4T10
300	900	900	300	T10@200 T&B IN BOTH DIR.	2x4T10/LM
350	1000	1000	400	T12@200 T&B IN BOTH DIR.	2x4T10/LM
400	1100	1100	400	T12@200 T&B IN BOTH DIR.	2x4T10/LM
450	1500	1500	500	T14@200 T&B IN BOTH DIR.	2x4T10/LM
500	1600	1600	600	T14@200 T&B IN BOTH DIR.	2x4T10/LM
600	1700	1700	600	T16@200 T&B IN BOTH DIR.	2x4T12/LM
700	2100	2100	800	T16@200 T&B IN BOTH DIR.	2x4T12/LM
800	2200	2200	800	T20@200 T&B IN BOTH DIR.	2x4T12/LM
900	2700	2700	900	T20@200 T&B IN BOTH DIR.	2x4T12/LM
1000	2800	2800	1000	T20@200 T&B IN BOTH DIR.	2x4T12/LM

THRUST BLOCKS FOR HORIZONTAL BENDS

TEE - P = 10 Bars

D(mm)	W&H (mm)	L (mm)	t (mm)	SIDE WALL & FOOTING REINFORCEMENT
100	550	550	200	T10@200 T&B IN BOTH DIR.
125	600	600	200	T10@200 T&B IN BOTH DIR.
150	650	650	200	T10@200 T&B IN BOTH DIR.
200	1000	1000	300	T10@200 T&B IN BOTH DIR.
250	1100	1100	300	T10@200 T&B IN BOTH DIR.
300	1200	1200	300	T10@200 T&B IN BOTH DIR.
350	1300	1300	400	T10@200 T&B IN BOTH DIR.
400	1400	1600	400	T10@200 T&B IN BOTH DIR.
450	1700	2100	500	T10@200 T&B IN BOTH DIR.
500	1800	2200	600	T10@200 T&B IN BOTH DIR.
600	1900	2300	600	T10@200 T&B IN BOTH DIR.
700	2400	2900	700	T12@200 T&B IN BOTH DIR.
800	2500	3000	800	T12@200 T&B IN BOTH DIR.
900	2900	3700	900	T12@200 T&B IN BOTH DIR.
1000	3000	3800	1000	T14@200 T&B IN BOTH DIR.

BASIC DATA

SOIL DENSITY	1800	kg/m3
CONCRETE SPECIFIC WEIGHT	2300	kg/m3
SOIL BEARING CAPACITY	2	kg/cm2
SECURITY FACTOR	1.2	

REV.	DATE	DRAWN BY	CHECKED BY	APPROVED BY	MODIFICATION	STATUTS

UNITED NATIONS DEVELOPMENT PROGRAMME
LEBANON

NORTH LEBANON WATER SUPPLY
CONSTRUCTION OF WADI KHALED 2 WATER SUPPLY SYSTEM

THRUST BLOCKS
REINFORCEMENT DETAILS (1/4)

SCALE : –
DATE : SEPTEMBER 2014
DRAWING N° : WS-WK-255-A.dwg

LIBANCONSULT AGM
Consulting Engineers

N° : WSWK255
REV. A

A1