

# TAPER-LOCK® PULLEYS "PHOSPHATED"

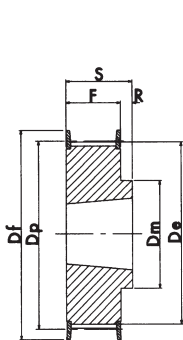
## Materials used for construction:

Steel: C 40 UNI 7845

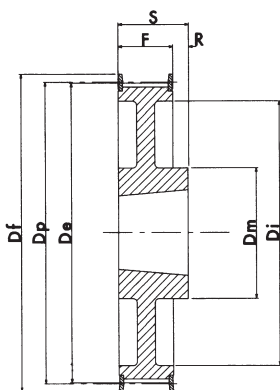
Cast iron: G 20 UNI 5007

## How to interpret the code reference:

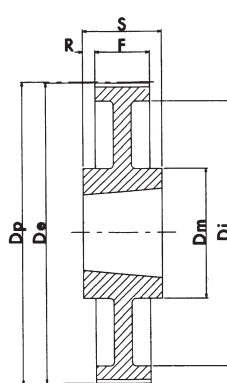
TL 30 L 100 { TL Taper Lock®  
30 No. of teeth  
L belt pitch  
100 belt width in inches



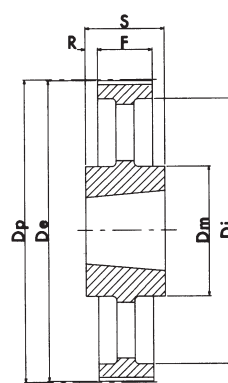
EXECUTION 1F



EXECUTION 2F



EXECUTION 3

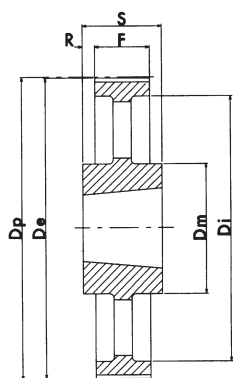


EXECUTION 4

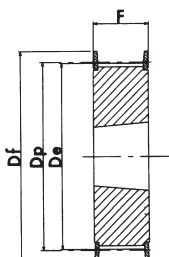
L 050 PITCH 3/8" (9.52mm.)

CHARACTERISTICS	TYPE	EXEC.	BUSH	MAX BORE	Dp PITCH LINE	De EXTERNAL	D FLANGE	Dm HUB	Di	F	S	R	FLANGE
													No.
STEEL	TL 18 L 050	1F	1108	28	54.57	53.81	60	45	-	19.0	22.0	3	58
	TL 19 L 050	1F	1108	28	57.61	56.84	64	45	-	19.0	22.0	3	59
	TL 20 L 050	1F	1108	28	60.64	59.88	66.5	48	-	19.0	22.0	3	60
	TL 21 L 050	1F	1108	28	63.67	62.91	70	48	-	19.0	22.0	3	61
	TL 22 L 050	1F	1108	28	66.70	65.94	75	51	-	19.0	22.0	3	62
	TL 23 L 050	1F	1108	28	69.73	68.97	79	54	-	19.0	22.0	3	63
	TL 24 L 050	1F	1108	28	72.77	72.00	79	54	-	19.0	22.0	3	63
	TL 25 L 050	1F	1108	28	75.80	75.04	82.5	56	-	19.0	22.0	3	64
	TL 26 L 050	1F	1108	28	78.83	78.07	86	60	-	19.0	22.0	3	65
	TL 27 L 050	1F	1108	28	81.86	81.10	86	62	-	19.0	22.0	3	65
	TL 28 L 050	1F	1108	28	84.89	84.13	91	65	-	19.0	22.0	3	66
	TL 30 L 050	1F	1108	28	90.96	90.20	97	70	-	19.0	22.0	3	68
	TL 32 L 050	1F	1108	28	97.02	96.26	102	74	-	19.0	22.0	3	70
	TL 36 L 050	1F	1108	28	109.15	108.39	115	85	-	19.0	22.0	3	74
	TL 40 L 050	1F	1610	42	121.28	120.51	128	97	-	19.0	25.0	6	78
	TL 44 L 050	2F	1610	42	133.40	132.64	142	88	110	19.0	25.0	6	81
TL 48 L 050	2F	1610	42	145.53	147.77	150	88	120	19.0	25.0	6	85	
CAST-IRON	TL 60 L 050	3	1610	42	181.91	181.15	-	92	166	19.0	25.0	3	-
	TL 72 L 050	4	1610	42	218.30	217.53	-	92	202	19.0	25.0	3	-
	TL 84 L 050	4	1610	42	254.68	253.90	-	92	236	19.0	25.0	3	-
	TL 96 L 050	4	2012	50	291.06	290.30	-	106	270	19.0	32.0	6.5	-
	TL 120 L 050	4	2012	50	363.83	363.07	-	106	343	19.0	32.0	6.5	-

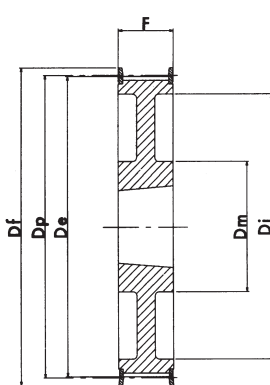
# TAPER-LOCK® PULLEYS "PHOSPHATED"



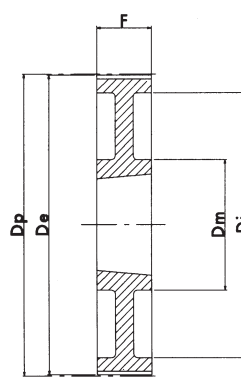
EXECUTION 4



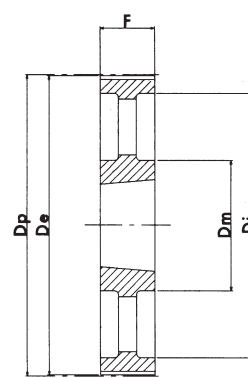
EXECUTION 5F



EXECUTION 6F



EXECUTION 7

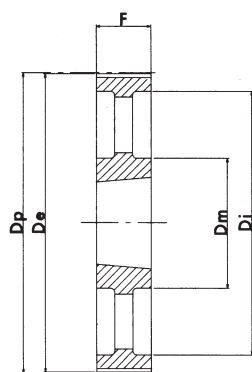


EXECUTION 8

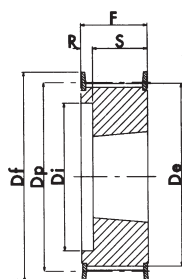
TIPO: L 075 Passo 3/8" (9.52mm.)

CHARACTERISTICS	TYPE	EXEC.	BUSH	MAX BORE	Dp PITCH LINE	De EXTERNAL	D FLANGE	Dm HUB	Di	F	S	R	FLANGE No.	
STEEL	WITH FLANGE	TL 18 L 075	5F	1108	28	54.57	53.81	60	-	-	25.0	25.0	-	58
		TL 19 L 075	5F	1108	28	57.61	56.84	64	-	-	25.0	25.0	-	59
		TL 20 L 075	5F	1108	28	60.64	59.88	66.5	-	-	25.0	25.0	-	60
		TL 21 L 075	5F	1108	28	63.67	62.91	70	-	-	25.0	25.0	-	61
		TL 22 L 075	5F	1108	28	66.70	65.94	75	-	-	25.0	25.0	-	62
		TL 23 L 075	5F	1108	28	69.73	68.97	79	-	-	25.0	25.0	-	63
		TL 24 L 075	5F	1108	28	72.77	72.00	79	-	-	25.0	25.0	-	63
		TL 25 L 075	5F	1108	28	75.80	75.04	82.5	-	-	25.0	25.0	-	64
		TL 26 L 075	5F	1108	28	78.83	78.07	86	-	-	25.0	25.0	-	65
		TL 27 L 075	5F	1108	28	81.86	81.10	86	-	-	25.0	25.0	-	65
		TL 28 L 075	5F	1108	28	84.89	84.13	91	-	-	25.0	25.0	-	66
		TL 30 L 075	5F	1108	28	90.96	90.20	97	-	-	25.0	25.0	-	68
		TL 32 L 075	5F	1108	28	97.02	96.26	102	-	-	25.0	25.0	-	70
		TL 36 L 075	5F	1610	42	109.15	108.39	115	-	-	25.0	25.0	-	74
		TL 40 L 075	5F	1610	42	121.28	120.51	128	-	-	25.0	25.0	-	78
		TL 44 L 075	6F	1610	42	133.40	132.64	142	90	110	25.0	25.0	-	81
TL 48 L 075	6F	1610	42	145.53	144.77	150	92	120	25.0	25.0	-	85		
CAST-IRON	WITHOUT FLANGE	TL 60 L 075	7	1610	42	181.91	181.15	-	92	166	25.0	25.0	-	-
		TL 72 L 075	8	1610	42	218.30	217.53	-	92	202	25.0	25.0	-	-
		TL 84 L 075	4	2012	50	254.68	253.90	-	106	236	25.0	32.0	3.5	-
		TL 96 L 075	4	2012	50	291.06	290.30	-	106	270	25.0	32.0	3.5	-
		TL 120 L 075	4	2012	50	363.83	363.07	-	106	343	25.0	32.0	3.5	-

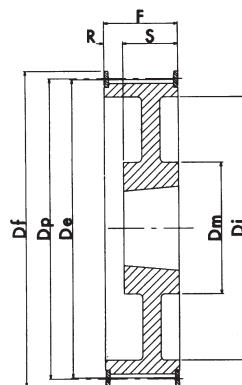
# TAPER-LOCK® PULLEYS " PHOSPHATED "



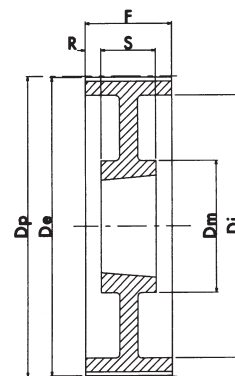
EXECUTION 8



EXECUTION 9F



EXECUTION 10F

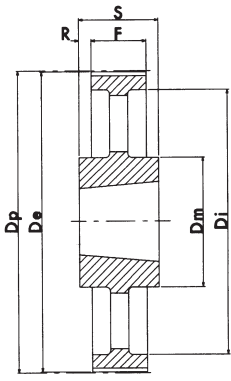


EXECUTION 11

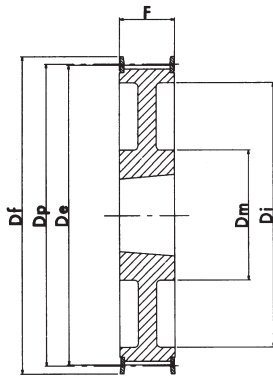
L 100 PITCH 3/8" (9.52mm.)

CHARACTERISTICS	TYPE	EXEC.	BUSH	MAX BORE	Dp PITCH LINE	De EXTERNAL	D FLANGE	Dm HUB	Di	F	S	R	FLANGE No.
STEEL	TL 18 L 100	9F	1108	28	54.57	53.81	60	-	38	31.0	22.0	9.0	58
	TL 19 L 100	9F	1108	28	57.61	56.84	64	-	38	31.0	22.0	9.0	59
	TL 20 L 100	9F	1108	28	60.64	59.88	66.5	-	45	31.0	22.0	9.0	60
	TL 21 L 100	9F	1108	28	63.67	62.91	70	-	45	31.0	22.0	9.0	61
	TL 22 L 100	9F	1108	28	66.70	65.94	75	-	48	31.0	22.0	9.0	62
	TL 23 L 100	9F	1108	28	69.73	68.97	79	-	52	32.0	22.0	10.0	63
	TL 24 L 100	9F	1108	28	72.77	72.00	79	-	52	32.0	22.0	10.0	63
	TL 25 L 100	9F	1108	28	75.80	75.04	82.5	-	54	32.0	22.0	10.0	64
	TL 26 L 100	9F	1108	28	78.83	78.07	86	-	60	32.0	22.0	10.0	65
	TL 27 L 100	9F	1108	28	81.86	81.10	86	-	60	32.0	22.0	10.0	65
	TL 28 L 100	9F	1108	28	84.89	84.13	91	-	65	32.0	22.0	10.0	66
	TL 30 L 100	9F	1210	32	90.96	90.20	97	-	71	32.0	25.0	7.0	68
	TL 32 L 100	9F	1210	32	97.02	96.26	102	-	75	32.0	25.0	7.0	70
	TL 36 L 100	9F	1610	42	109.15	108.39	115	-	86	32.0	25.0	7.0	74
	TL 40 L 100	9F	1610	42	121.28	120.51	128	-	96	32.0	25.0	7.0	78
	TL 44 L 100	10F	1610	42	133.40	132.64	142	90	110	32.0	25.0	7.0	81
	TL 48 L 100	10F	1610	42	145.53	144.77	150	92	120	32.0	25.0	7.0	85
	CAST-IRON	TL 60 L 100	11	1610	42	181.91	181.15	-	92	166	32.0	25.0	3.5
TL 72 L 100		8	2012	50	218.30	217.53	-	106	202	32.0	32.0	-	-
TL 84 L 100		8	2012	50	254.68	253.90	-	106	236	32.0	32.0	-	-
TL 96 L 100		8	2012	50	291.06	290.30	-	106	270	32.0	32.0	-	-
TL 120 L 100		8	2012	50	363.83	363.07	-	106	343	32.0	32.0	-	-

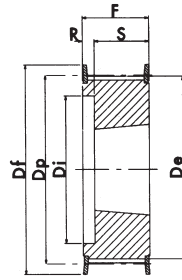
# TAPER-LOCK<sup>®</sup> PULLEYS " PHOSPHATED "



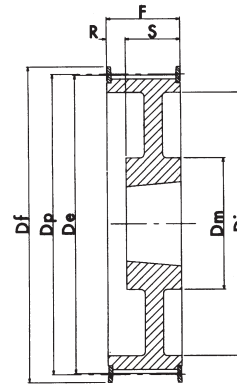
EXECUTION 4



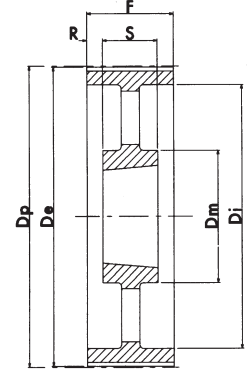
EXECUTION 6F



EXECUTION 9F



EXECUTION 10F



EXECUTION 12

H 100 PITCH 1/2" (12.7mm.)

CHARACTERISTICS	TYPE	EXEC.	BUSH	MAX BORE	Dp PITCH LINE	De EXTERNAL	D FLANGE	Dm HUB	Di	F	S	R	FLANGE No.	
STEEL	WITH FLANGE	TL 16 H 100	9F	1108	28	64.68	63.31	70	-	45	31.0	22.0	9.0	61
		TL 18 H 100	9F	1210	32	72.77	71.39	79	-	52	31.0	25.0	6.0	63
		TL 19 H 100	9F	1210	32	76.81	74.44	82.5	-	56	31.0	25.0	6.0	64
		TL 20 H 100	9F	1210	32	80.55	79.48	87	-	60	31.0	25.0	6.0	76
		TL 21 H 100	9F	1210	32	84.89	83.52	91	-	64	32.0	25.0	7.0	66
		TL 22 H 100	9F	1210	32	88.94	87.56	94	-	67	32.0	25.0	7.0	67
		TL 23 H 100	9F	1610	42	92.98	91.61	97	-	70	32.0	25.0	7.0	68
		TL 24 H 100	9F	1610	42	97.02	95.65	102	-	73.5	32.0	25.0	7.0	70
		TL 25 H 100	9F	1610	42	101.06	99.69	106	-	77	32.0	25.0	7.0	71
		TL 26 H 100	9F	1610	42	105.11	103.73	112	-	82	32.0	25.0	7.0	72
		TL 27 H 100	9F	1610	42	109.15	107.78	115	-	85	32.0	25.0	7.0	74
		TL 28 H 100	9F	1610	42	113.19	111.82	120	-	90.5	32.0	25.0	7.0	75
	TL 30 H 100	9F	1610	42	121.28	119.90	128	-	98	32.0	25.0	7.0	78	
	TL 32 H 100	10F	1610	42	129.36	127.99	135	80	106	32.0	25.0	7.0	80	
	TL 36 H 100	10F	1610	42	145.53	144.16	150	92	121	32.0	25.0	7.0	85	
	TL 40 H 100	10F	1610	42	161.70	160.33	168	92	138	32.0	25.0	7.0	90	
	TL 44 H 100	6F	2012	50	177.87	176.50	184	106	152	32.0	32.0	-	95	
	TL 48 H 100	6F	2012	50	194.04	192.67	200	106	169	32.0	32.0	-	100	
CAST-IRON	WITHOUT FLANGE	TL 60 H 100	12	2012	50	242.55	241.18	-	106	223	34.0	32.0	1.0	-
		TL 72 H 100	12	2012	50	291.06	289.69	-	106	270	34.0	32.0	1.0	-
		TL 84 H 100	12	2012	50	339.57	338.20	-	106	318	34.0	32.0	1.0	-
		TL 96 H 100	4	2517	60	388.08	386.71	-	119	366	34.0	45.0	5.5	-
		TL 120 H 100	4	2517	60	485.10	483.73	-	119	462	34.0	45.0	5.5	-

# TAPER-LOCK® PULLEYS

## " PHOSPHATED "

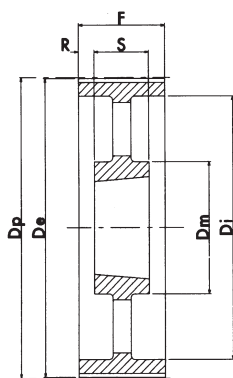
### H 150 PITCH 1/2" (12.7mm.)

CHARACTERISTICS		TYPE	EXEC.	BUSH	MAX BORE	Dp PITCH LINE	De EXTERNAL	D FLANGE	Dm HUB	Di	F	S	R	FLANGE No.
STEEL	WITH FLANGE	TL 18 H 150	9F	1210	32	72.77	71.39	79	-	52	45.0	25.0	20.0	63
		TL 19 H 150	9F	1210	32	76.81	74.44	82.5	-	56	45.0	25.0	20.0	64
		TL 20 H 150	9F	1210	32	80.55	79.48	87	-	60	45.0	25.0	20.0	76
		TL 21 H 150	9F	1210	32	84.89	83.52	91	-	64	45.0	25.0	20.0	66
		TL 22 H 150	9F	1210	32	88.94	87.56	94	-	67	45.0	25.0	20.0	67
		TL 23 H 150	9F	1610	42	92.98	91.61	97	-	70	45.0	25.0	20.0	68
		TL 24 H 150	9F	1610	42	97.02	95.65	102	-	73.5	45.0	25.0	20.0	70
		TL 25 H 150	9F	1610	42	101.06	99.69	106	-	77	45.0	25.0	20.0	71
		TL 26 H 150	9F	1610	42	105.11	103.73	112	-	82	45.0	25.0	20.0	72
		TL 27 H 150	9F	1610	42	109.15	107.78	115	-	85	45.0	25.0	20.0	74
		TL 28 H 150	9F	1610	42	113.19	111.82	120	-	90.5	45.0	25.0	20.0	75
		TL 30 H 150	9F	1610	42	121.28	119.90	128	-	98	45.0	25.0	20.0	78
		TL 32 H 150	10F	1610	42	129.36	127.99	135	80	106	45.0	25.0	20.0	80
		TL 36 H 150	10F	1610	42	145.53	144.16	150	92	121	45.0	25.0	20.0	85
		TL 40 H 150	10F	1610	42	161.70	160.33	168	92	138	45.0	25.0	20.0	90
		TL 44 H 150	10F	2012	50	177.87	176.50	184	106	152	45.0	32.0	13.0	95
		TL 48 H 150	10F	2012	50	194.04	192.67	200	106	169	45.0	32.0	13.0	100
		CAST-IRON	WITHOUT FLANGE	TL 60 H 150	12	2012	50	242.55	241.18	-	106	223	46.0	32.0
TL 72 H 150	12			2012	50	291.06	289.69	-	106	270	46.0	32.0	7.0	-
TL 84 H 150	12			2012	50	339.57	338.20	-	106	318	46.0	32.0	7.0	-
TL 96 H 150	12			2517	60	388.08	386.71	-	119	366	46.0	45.0	0.5	-
TL 120 H 150	12			2517	60	485.10	483.73	-	119	462	46.0	45.0	0.5	-

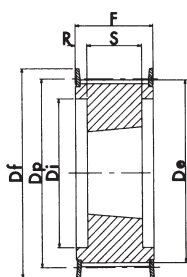
### H 200 PITCH 1/2" (12.7mm.)

CHARACTERISTICS		TYPE	EXEC.	BUSH	MAX BORE	Dp PITCH LINE	De EXTERNAL	D FLANGE	Dm HUB	Di	F	S	R	FLANGE No.
STEEL	WITH FLANGE	TL 18 H 200	9F	1210	32	72.77	71.39	79	-	52	58.0	25.0	33.0	63
		TL 19 H 200	9F	1210	32	76.81	74.44	82.5	-	56	58.0	25.0	33.0	64
		TL 20 H 200	9F	1610	42	80.85	79.48	87	-	62	58.0	25.0	33.0	76
		TL 21 H 200	9F	1610	42	84.89	83.52	91	-	64	58.0	25.0	33.0	66
		TL 22 H 200	9F	1610	42	88.94	87.56	94	-	67	58.0	25.0	33.0	67
		TL 23 H 200	9F	1610	42	92.98	91.61	97	-	70	58.0	25.0	33.0	68
		TL 24 H 200	9F	1610	42	97.02	95.65	102	-	73.5	58.0	25.0	33.0	70
		TL 25 H 200	9F	1610	42	101.06	99.69	106	-	77.0	58.0	25.0	33.0	71
		TL 26 H 200	9F	1610	42	105.11	103.73	112	-	82	58.0	25.0	33.0	72
		TL 27 H 200	9F	1610	42	109.15	107.78	115	-	85	58.0	25.0	33.0	74
		TL 28 H 200	9F	1610	42	113.19	111.82	120	-	90.5	58.0	25.0	33.0	75
		TL 30 H 200	9F	1610	42	121.28	119.90	128	-	98	58.0	25.0	33.0	78
		TL 32 H 200	9F	2012	50	129.36	127.99	135		106	58.0	32.0	26.0	80
		TL 36 H 200	10F	2012	50	145.53	144.16	150	102	121	58.0	32.0	26.0	85
		TL 40 H 200	10F	2012	50	161.70	160.33	168	106	138	58.0	32.0	26.0	90
		TL 44 H 200	10F	2012	50	177.87	176.50	184	106	152	58.0	32.0	26.0	95
		TL 48 H 200	10F	2517	60	194.04	192.67	200	119	168	58.0	45.0	13.0	100
		CAST-IRON	WITHOUT FLANGE	TL 60 H 200	12	2517	60	242.55	241.18	-	119	223	60.0	45.0
TL 72 H 200	12			2517	60	291.06	289.69	-	119	270	60.0	45.0	7.5	-
TL 84 H 200	12			2517	60	339.57	338.20	-	119	320	60.0	45.0	7.5	-
TL 96 H 200	12			2517	60	388.08	386.71	-	119	366	60.0	45.0	7.5	-
TL 120 H 200	12			2517	60	485.10	483.73	-	119	462	60.0	45.0	7.5	-

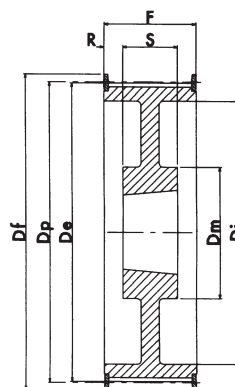
# TAPER-LOCK® PULLEYS " PHOSPHATED "



EXECUTION 12



EXECUTION 13F



EXECUTION 14F

H 300 PITCH 1/2" (12.7mm.)

CHARACTERISTICS	TYPE	EXEC.	BUSH	MAX BORE	Dp PITCH LINE	De EXTERNAL	D FLANGE	Dm HUB	Di	F	S	R	FLANGE No.	
STEEL	WITH FLANGE	TL 20 H 300	13F	1615	42	80.85	79.48	87	-	64.5	84.0	38.0	23.0	76
		TL 21 H 300	13F	1615	42	84.89	83.52	91	-	65	84.0	38.0	23.0	66
		TL 22 H 300	13F	1615	42	88.94	87.56	94	-	67	84.0	38.0	23.0	67
		TL 23 H 300	13F	1615	42	92.98	91.61	97	-	70	84.0	38.0	23.0	68
		TL 24 H 300	13F	1615	42	97.02	95.65	102	-	73.5	84.0	38.0	23.0	70
		TL 25 H 300	13F	1615	42	101.06	99.69	106	-	77	84.0	38.0	23.0	71
		TL 26 H 300	13F	1615	42	105.11	103.73	112	-	82	84.0	38.0	23.0	72
		TL 27 H 300	13F	2012	50	109.15	107.78	115	-	85	84.0	32.0	26.0	74
		TL 28 H 300	13F	2012	50	113.19	111.82	120	-	90.5	84.0	32.0	26.0	75
		TL 30 H 300	13F	2012	50	121.28	119.90	128	-	98	84.0	32.0	26.0	78
		TL 32 H 300	13F	2517	60	129.36	127.99	135	-	106	84.0	45.0	19.5	80
		TL 36 H 300	13F	2517	60	145.53	144.16	150	-	121	84.0	45.0	19.5	85
		TL 40 H 300	13F	2517	60	161.70	160.33	168	-	138	84.0	45.0	19.5	90
		TL 44 H 300	14F	2517	60	177.87	176.50	184	119	150	86.0	45.0	20.5	95
TL 48 H 300	14F	2517	60	194.04	192.67	200	119	165	86.0	45.0	20.5	100		
CAST-IRON	WITHOUT FLANGE	TL 60 H 300	12	2517	60	242.55	241.18	-	119	223	86.0	45.0	20.5	-
		TL 72 H 300	12	2517	60	291.06	289.69	-	119	270	86.0	45.0	20.5	-
		TL 84 H 300	12	2517	60	339.57	338.20	-	119	320	86.0	45.0	20.5	-
		TL 96 H 300	12	3030	75	388.08	386.71	-	150	362	86.0	76.0	5.0	-
		TL 120 H 300	12	3030	75	485.10	483.73	-	150	460	86.0	76.0	5.0	-