

COMPARISON TABLES OF DIN - ASTM - API - BS

	TENSILE STRENGTH		YIELD POINT		ELONGATION MIN %	%	%	%	%	
	daN/mm ² kgf/mm ² abt	ltn/in ² abt	daN/mm ² kgf/mm ² abt	ltn/in ² abt						abt
DIN	St 00	35-45	22-29	24	15	25				
	St 35	35-45	22-29	24	15	25	0.18			0.05
	St 45	45-55	29-35	26	16.5	21	0.25			0.05
	St 55	55-65	35-41	30	19	17	0.36			0.05
	St 52	52-62	33-39	36	23	22	0.20	0.55	1.50	0.05
	St 35.8	35-45	22-29	24	15	25	0.17	0.35	0.40	0.05
	St 45.8	45-55	29-35	26	16.5	21	0.22	0.10/0.35	0.45	0.05
	TT St 35 N	35-45	22-29	23	14.5	25	0.16	0.10/0.35	0.40/0.60	0.045
	15 Mo 3	45-55	29-35	29	18.5	22	0.12/0.20	0.15/0.35	0.50/0.80	0.04
	16 M0 5	387	24				0.10/0.20	0.10/0.50	0.30/0.80	0.045
	13 Cr. Mo 44	45-58	29-37	30	19	22	0.10/0.18	0.15/0.35	0.40/0.70	0.04
	10 Cr Mo 910	45-60	29-38	27	17	20	0.15	0.15/0.50	0.40/0.60	0.04
	12 Cr Mo 195	42	27	18	11.5	21	0.15	0.50	0.30/0.60	0.03
	MECHANICAL									
	C35	60-	38	32	20	20	0.35	0.40	0.60	0.04
St. 52-3	52-62	33-39	34	21.5	22	0.20	0.55	1.50	0.05	
ASTM	ASTM A 53 A	33.7	21	21.1	13.5	35		(0.10-0.30)		0.048
	A 53 B	42.2	27	24.6	15.5	30		(0.10-0.30)		0.048
	A 106 A	33.7	21	21.1	13.5	35	0.25	0.10	0.27/0.93	0.048
	A 106 B	42.2	27	24.6	15.5	30	0.30	0.10	0.29/1.06	0.048
	ASTMA 333/1	38.7	24.5	21.1	13.5	35	0.30		0.40/1.06	0.05
	A 333/3	45.7	29	24.6	15.5	30	0.19	0.18/0.37	0.31/0.64	0.05
	ASTMA 335 P1	38.7	24.5	21.1	13.5	30	0.10/0.20	0.10/0.50	0.30/0.80	0.045
	P2	38.7	24.5	21.1	13.5	30	0.10/0.20	0.10/0.30	0.30/0.61	0.045
	P11	42.2	27	21.1	13.5	30	0.15	0.50/1.00	0.30/0.60	0.03
	P12	42.2	27	21.1	13.5	30	0.15	0.50	0.30/0.61	0.045
	P22	42.2	27	21.1	13.5	30	0.15	0.50	0.30/0.60	0.03
	P5	42.2	27	21.1	13.5	30	0.15	0.50	0.30/0.60	0.03
API-LINE PIPE	API 5 L GR A	33.7	21	21.1	13.5	Variable.	0.22		0.90	0.04
	API 5 L GR B	42.2	27	24.6	15.5	Variable.	0.27		1.15	0.04
	API 5 LX 42	42.2	27	29.5	19	Variable.	0.29		1.25	0.04
	API 5 LX 46	44.3	28	32.3	20	Variable.	0.31		1.35	0.04
	API 5 LX 56	49.9	31.5	39.2	25	Variable.	0.26		1.35	0.04
	API 5 LX 60	52.7	33.5	42.2	27	Variable.	0.26		1.35	0.04
	API 5 LX 65	56.2	35.5	42.7	29	Variable.	0.26		1.40	0.04
BS	BS 3601HFS 22	34.6	22	21.3	13.5	700/253 TONF/IN ²	0.21		0.70	0.06
	BS 3601HFS 27	42.5	27	25.2	16		0.25		0.70	0.05
	BS 3601HFS 35	55.1	35	31.5	20		0.40		1.20	0.05
	BS 3602HFS 23	36.2-47.2	23-30	21.3	13.5		0.20	(0.10-0.35)	0.30/0.70	0.05
	BS 3602HFS 27	42.5-55.1	27-35	25.2	16		0.25	(0.10-0.35)	0.30/0.70	0.05
	BS 3602HFS 35	55.1-67.7	35-43	31.5	20		0.35	(0.10-0.35)	0.30/1.10	0.05
	BS 3059/3 ERW	31.5-44.1	20.28	--	--					0.05