



QUALITY		CHEMICAL ANALYSIS										MECHANICAL PROPERTIES			SPECIFIC REQUIREMENT
SMLS	ERW	SPECIFICATION	WT	C %	Mn %	P % MAX	S % MAX	Si %	Cr %	MO %	Ni %	TENSILE STRENGTH Mpa	YIELD STRESS Mpa	ELONGATIO N IN 50 mm Min Longitudinal	
<b>Alloy Steel Pipes / Tubes Conform To Various Specifications As Listed Below</b>															
*	--	BS/3059/90/PartII/620		0.10-0.15	0.40-0.70	0.040	0.040	0.10-0.35	0.70-1.10	0.45-0.65		441-618	235 Min	22	AL max 0.020 AL max 0.020 ----- -----
*	--	BS/3059/90/PartII/622		0.08-0.15	0.40-0.70	0.040	0.040	0.50 Max	2.00-2.50	0.90-1.20		440-590	175 Min	20	
*	--	DIN/17175/13CrM044		0.10-0.18	0.40-0.70	0.040	0.040	0.10-0.35	0.70-1.00	0.40-0.50		441-570	294 Min	22	
*	--	DIN/17175/10CRM910		0.15 Max	0.40-0.60	0.040	0.040	0.15-0.50	2.0-2.5	0.90-1.10		441-570	294 Min	22	
*	--	DIN/17175/15M03		0.12-0.20	0.50-0.80	0.040	0.040	0.10-0.35	--	0.25-0.35		441-540	284 Min	21	
*	--	ASTM A209/T1	MW	0.10-0.20	0.30-0.80	0.045	0.045	0.15-0.50	--	0.44-0.65		380 Min	205 Min	30/22	Hardness 80HRB Max
*	--	ASTM A209/Ta	MW	0.15-0.25	0.30-0.80	0.045	0.045	0.15-0.50	--	0.44-0.65		365 Min	195 Min	30/22	Hardness 81HRB Max
*	--	ASTM A209/T1B	MW	0.14 Max	0.30-0.80	0.045	0.045	0.15-0.50	--	0.44-0.65		415 Min	220 Min	30/22	Hardness 77HRB Max