	. 90	7	110	COI	BALT A	LLOY C	HEMIS'	TRIES		38//3	
SPECIFICATIONS	101 m	RC									
	С	Cr	Со	W	Ni	Fe	Si	Мо	Mn	Other	HARDNESS
ERCoCr-C	2.3	30	REM	13	<3	<3	0.8	<1	<1	38.90	48 - 56
ERCoCr-A	1.1	28	REM	4	<3	<3	1.1	<1	<1		38 - 46
ERCoCr -B	1.4	29	REM	8	<3	<3	1.5	<1	<1	1- 100	44 - 50
ERCoCr -E	0.25	27	REM		2.5	<3	<1	5		AUTA	22 - 26

PRE HEAT / POST HEAT INFO				
	PREHEAT			
BASE METAL	°F	°C	POSTHEAT	
Low Carbon Steel (up to 40% C) for thin sections only	Not Required	Not Required	Air Cool	
Low Carbon Steel (up to 40% C) for thin sections only High Carbon Steel (over 40% C) for thin sections only Low Alloy Steel (up to 10% alloy) for thin sections only	200-600	93-315	Slow - Cool	
High Carbon Steel (over 40% C) for thick sections only Low Alloy Steel (up to 10% alloy) for thick sections only	300-600	148-313	Slow - Cool	
Air - Quench Steels	1100-1200	593-648	Slow - Cool	
High Chromium-Nickel (Austenitic) Stainless Steels (304, 309, 316, etc) thin sections only	Not Required	Not Required	Air Cool	
High Chromium-Nickel (Austenitic) Stainless Steels (304, 309, 316, etc) thick sections only	200-500	93-260	Slow - Cool	
High Chromium-Nickel (Martensitic) Stainless Steels (410, 416, 420, etc) thick sections only	400-600	204-315	Maintain at 400°- 600° for 4 hrs. per 1' thickness, then reduce heat 50°F till cool.	
High Chromium-Nickel (Ferritic) Stainless Steels (430, 442, 446, etc) thick sections only	200-600	93-315	Maintain at 200°- 600° for 4 hrs. per 1' thickness, then reduce heat 50°F till cool.	
High Temperature Nickel Alloys (400, 600, 601, 718, etc)	200-500	93-260	Stress Relieve	

