

## A- NUMBER Classification of Ferrous Weld Metal Analysis for Procedure Qualification

QW	A No	Type of Weld Deposit	Analysis, % [Note (1)]					
			C	Cr	Mo	Ni	Mn	Si
442	1	Mild Steel	0.20	...	...	...	1.60	1.00
	2	Carbon-Molybdenum	0.15	0.50	.040-0.65	...	1.60	1.00
	3	Chrome (0.4% to 2%)–Molybdenum	0.15	0.40-2.00	0.40-0.65	...	1.60	1.00
	4	Chrome (2% to 6%)–Molybdenum	0.15	2.00-6.00	0.40-1.50	...	1.60	2.00
	5	Chrome (6% to 10.5%)–Molybdenum	0.15	6.00-10.50	0.40-1.50	...	1.20	2.00
	6	Chrome-Martensitic	0.15	11.00-15.00	0.70	...	2.00	1.00
	7	Chrome-Ferritic	0.15	11.00-30.00	1.00	...	1.00	3.00
	8	Chromium–Nickel	0.15	14.50-30.00	4.00	7.50-15.00	2.50	1.00
	9	Chromium–Nickel	0.30	19.00-30.00	6.00	15.00-37.00	2.50	1.00
	10	Nickel to 4%	0.15	...	0.06	.08-4.00	1.70	1.00
	11	Manganese–Molybdenum	0.17	...	0.25-0.75	0.85	1.25-2.25	1.00
	12	Nickel–Chrome–Molybdenum	0.15	1.50	0.25-0.80	1.25-2.80	0.75-2.25	1.00

Note 1: Single values shown above are maximum.

