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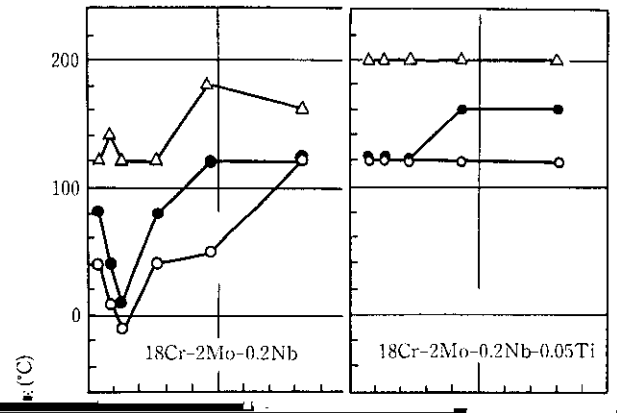
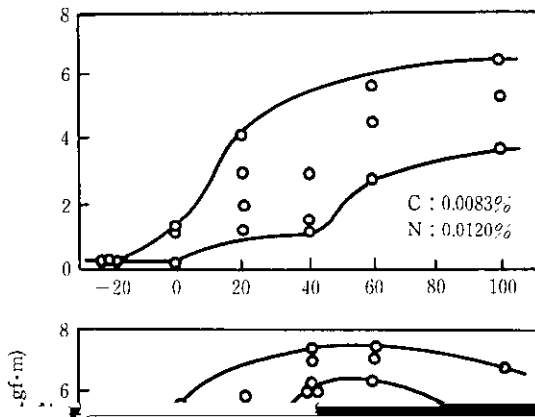


Table 2 Typical examples of chemical composition of R 434 LN-2

(wt %)

	C	Si	Mn	P	S	Ni	Cr	Mo	N	Al	Nb	Nb/C+N
Specification	≤0.020	≤1.0	≤1.0	≤0.040	≤0.030	≤0.60	17.50~ 19.50	1.75~ 2.25	—	0.1~ 0.4	—	≥10
An example of plates	0.002	0.15	0.15	0.025	0.005	0.10	18.10	2.00	0.0050	0.22	0.24	34

Table 3 Mechanical properties of 6 mm thick R 434 LN-2 plate

	Tensile test			Bend test	Impact test
	0.2% proof strength	Tensile strength	Elongation in G I		
					2 mm V notch Charpy

Table 4. Mechanical properties of the cold pressed head plate

Table 5. Chemical composition of the cold pressed head plate

No.	Tensile strength (MPa)		Elongation at break (%)	Yield strength (MPa)	Hardness (HV)
	σ _b	σ _{0.2}			
1	510	310	22	210	180
2	510	310	22	210	180
3	510	310	22	210	180
4	510	310	22	210	180
5	510	310	22	210	180
6	510	310	22	210	180
7	510	310	22	210	180
8	510	310	22	210	180
9	510	310	22	210	180
10	510	310	22	210	180
11	510	310	22	210	180
12	510	310	22	210	180
13	510	310	22	210	180
14	510	310	22	210	180
15	510	310	22	210	180
16	510	310	22	210	180
17	510	310	22	210	180
18	510	310	22	210	180
19	510	310	22	210	180
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26	510	310	22	210	180
27	510	310	22	210	180
28	510	310	22	210	180
29	510	310	22	210	180
30	510	310	22	210	180
31	510	310	22	210	180
32	510	310	22	210	180
33	510	310	22	210	180
34	510	310	22	210	180
35	510	310	22	210	180
36	510	310	22	210	180
37	510	310	22	210	180
38	510	310	22	210	180
39	510	310	22	210	180
40	510	310	22	210	180
41	510	310	22	210	180
42	510	310	22	210	180
43	510	310	22	210	180
44	510	310	22	210	180
45	510	310	22	210	180
46	510	310	22	210	180
47	510	310	22	210	180
48	510	310	22	210	180
49	510	310	22	210	180
50	510	310	22	210	180

Table 7 Welding conditions of 6 mm thick R 434 LN-2

Table 8 Chemical composition of matching composition

	MIG welding	TIG welding	sumable	(wt %)
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参 考 文 献

W. O. Rieder, H. D. G. ...