TABLE AI.	(Continued)
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	Transition conditions						
Material	Condition	Stress (GPa)	Compression (%)	Technique	Remarks	References	
Iron_silicon allovs	and the second sec	d. 1	the second		A CONTRACTOR OF	the second second	
Fe=0.45 wt % Si	AR	12.8		E-1	25 mm	Zukas et al. (1963)	
Fe=0.95 wt % Si	AR	13.2		E-1	25 mm	Zukas et al. (1963)	
Fe_1 92 wt % Si	AR	14.0		E-1	$25 \text{ mm}, \psi$	Zukas et al. (1963)	
Fe_2 90 wt % Si	AB	14.7		E-1	ASTM grain size minus 2, 25 mm	Zukas et al. (1963)	
Fe_3 82 wt % Si	AR	15.4		E-1	25 mm	Zukas et al. (1963)	
Fe_4 60 wt % Si	AB	15.8		E-1	25 mm	Zukas $et al.$ (1963)	
Fe_6 85 wt % Si	AB	22.5		E-1	25 mm	Zukas $et al.$ (1963)	
Fe 2 9 wt % Si	[111] crystal AB	14.5		E-1	25 mm	Zukas $et al$ (1963)	
Fo 2.0 wt % Si	[119] crystal AR	14.9		E-1	16 mm	Zukas $et al$ (1963)	
Fo 2.25 wt // Si	Ann	15.0		G-15	Shock demagnetization	Graham (1968)	
10-5.25 WC /0 51	· · · · ·	10.0		0-10		Grandin (1000)	
Iron-vanadium alloys	and the second se				25 mm	Lorge $at al (1966a)$	
Fe=2 wt % V	Ann	14.2	7.0	E-1	25 mm	Lorec et al. $(1966a)$	
Fe-4 wt % V	Ann	16.0	7.5	E-1	25 mm	Loree et al. (1966a)	
Fe = 6 wt % V	Ann	18.0	8.5	E-1	25 mm	Loree et al. (1966a)	
Fe-8 wt% V	Ann	20.7	9.3	E-1	25 mm	Loree et al. (1966a)	
Fe-10 wt % V	Ann	24.5	10.5	E-1	25 mm	Loree et al. (1966a)	
Fe-11 wt % V	Ann	28.0	12.0	E-1	25 mm	Loree <i>et al</i> . (1966a)	
Fe-20 wt % V	Ann	~50		E-16	25 mm	Loree et al. (1966a)	
Fe-22 wt % V	Ann	~53	•••	E-16	25 mm	Loree et al. (1966a)	
Fe-24 wt % V	Ann	~55	•••	E-16	25 mm	Loree et al. (1966a)	
Fe-26 wt % V	Ann	~57		E-16	25 mm	Loree et al. (1966a)	
Fe-8 wt % V	Ann			E-16	6 mm to 25 mm, no overdrive observed	Loree <i>et al</i> . (1966a)	
Iron-molybdenum alloys							
Fe-1 wt % Mo	Ann	13.1	6 5	F-1	25 mm	Loree et al. (1966a)	
Fe-2 wt % Mo	Ann	13.5	6 5	E-1	25 mm	Loree et al. (1966a)	
Fe-3 wt% Mo	Ann	13.9	6.5	E-1	25 mm	Loree et al. (1966a)	
Fe-8 wt % Mo	Ann	15.5	7 1	E-1	25 mm	Loree et al. (1966a)	
Fe-12 wt % Mo	Ann	16.2	7 4	E-1	25 mm	Loree et al. (1966a)	
Fe-15 wt % Mo	Ann	15.4	67	E-1	25 mm	Loree et al. (1966a)	
Fe-20 wt % Mo	Ann	15.5	6.5	E-1	Mixed phase composition, 25 mm	Loree et al. (1966a)	
Fe-30 wt % Mo	Ann	14.6	6.0	F 1	Mixed phase composition, 25 mm	Loree et al. (1966a)	
Fe-40 wt % Mo	Ann	12.0	5.8	E 1	Mixed phase composition, 25 mm	Loree et al. (1966a)	
Fe_45 wt % Mo	App	12.0	1.4	E-I	Mixed phase composition, 25 mm	Loree et al. (1966a)	
Fe 1 wt % Mo	Ann	10.0	4.4	E-1	25 mm. W contamination	Loree $et al.$ (1966a)	
1_1 5 wt % W	THIII	10.0		E-1	and the state of the	The last set of the set of the	
Fe-2 wt % Mo	Ann	14.2		F 1	25 mm. W contamination	Loree $et al.$ (1966a)	
1_1 5 wt % W	71111	11.0		1-1			
Fe 3 wt % Mo	Ann	14.5		E 1	25 mm. W contamination	Loree $et al.$ (1966a)	
1 1 5 wt % W	АШ	14.5		E-1	,		
Fe 10 wt % Mo	Ann	16.4		E 1	25 mm W contamination	Inree $et al (1966a)$	
1 1 5 wt % W	АШ	10.4	1	E-1	20 mm, ii containimation	10100 01 11. (19004)	
iron-cobalt alloys		10.0			2E mm	Loros et al (1966a)	
Fe-2 wt % Co	Ann	13.2	6.5	E-1	25 mm	Loree et al. $(1966a)$	
Fe-4 wt % Co	Ann	13.5	7.1	E-1	25 mm	Loree $et at$. (1966a)	
Fe-8 wt% Co	Ann	14.5	7.1	E-1	25 mm		
Fe-12 wt % Co	Ann	16.5	7.8	E-1	25 mm	Loree et al. (1966a)	
Fe-16 wt % Co	Ann	18.0	8.5	E-1	25 mm	Loree et al. (1966a)	
Fe=20 wt % Co	Ann	18.7	8.5	E-1	25 mm	Loree et al. (1966a)	
Fe_25 wt % Co	Ann	21.7	9.6	E-1	25 mm	Loree <i>et al</i> . (1966a)	
Fe-30 wt % Co	Ann	23.0	9.9	E-1	25 mm	Loree et al. (1966a)	
Fe-35 wt % Co	Ann	24.5	10.4	E-1	25 mm	Loree et al. (1966a)	
Fe-40 wt % Co	Ann	28.0	11.0	E-1	25 mm	Loree et al. (1966a)	
Fe-45 wt % Co	Ann	32.0	12.5	E-1	25 mm	Loree et al. (1966a)	
Fe-50 wt % Co	Ann	36 7	12.4	E-1	25 mm	Loree et al. (1966a)	

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Transition conditions								
Material	Condition	Stress (GPa)	Compression (%)	Technique	Remarks	References		
Iron_carbon allovs			The State	7 7				
Fe=0 5 wt % C	593 K. 2 h	13.9	6.4	E-1	25 mm	Ioree et al (1966a)		
Fe_0 5 wt % C	948 K 2 h	13.1	6.4	E-1	25 mm	Loree et al. $(1966a)$		
Fe 0.5 wt % C	4nn	13.0	6.4	E-1	25 mm	Loree $et al.$ (1966a)		
Fo 1 wt % C	502 K 2 h	15.0	6.7	E-1	25 mm	Loree $at a!$ (1966a)		
Fe_1 wt % C	049 K 2 h	13.0	6.4	E-1	25 mm	Loree at $a!$ (1966a)		
Fe_1 wt % C	Ann	19.1	6.4	E-1	25 mm	Loree at $a!$ (1966a)		
Fe_1 wt / C	502 V 2 h	14.9	6.6	F 1	25 mm	Loree et al. $(1966a)$		
Fe_15 wt % C	049 K 9 h	14.0	6.0	E-1	25 mm	Loree et al. (1966a)		
Fe_15 wt % C	948 K, 2 fl	10.0	0.4	E-I E 1	25 mm	Loree $et al.$ (1966a)		
Fe=15 wt % C	Alli E02 V 2 h	15.4	0.4	E-I E 1	25 mm	Loree et al. (1966a)		
Fe=2 wt % C	040 K 01	10.0	0.0	E-I	25 mm	Loree et al. (1966a)		
Fe=2 wt % C	948 K, 2 n	13.0	0.0	E-I E I	25 mm	Loree et al. (1966a)		
Fe-2 wt % C	Ann	14.7	5,75	E-1	25 mm	Loree et al. (1966a)		
Iron-nickel-chromium all	OVS							
Fe-8.1 wt% Cr.	AR	10.0		E-1	$\rho_{0} = 7.817 \text{ Mg/m}^{3}$	Fowler at al (1961)		
8 1 wt % Ni	mit	10.0		2-1	P0-1.011 Mg/ II	rowier <i>et al</i> . (1961)		
Fo 17 4 wt % Cr	AR	2.0		F 1	0 -7 764 Mg/m3	Dandan et al (1001)		
9 9 wt % Ni	An	5.0		E-I	$p_0 = 7.704$ Mg/ III	Fowler <i>et al.</i> (1961);		
5.2 Wt 70 Mi	AD	10.0.05		D 1	an original sectors instrument' to plus to	see also Gust et al. (1970)		
re-8 wt % Cr,	AR	10.0-9.5		E-1	and the search and the state of the state of the	Fowler $et al.$ (1961) as		
8 Wt % N1				1		reported by Gust et al. (1970)		
Fe-12 wt % Cr,	AR	8.0		E-1	and the second	Fowler $et al.$ (1961) as		
8 wt % Ni	and the second second	the state of the s		1		reported by Gust et al. (1970)		
Fe-6 wt % Cr,	AR	8.5		E-1	•••	Fowler et al. (1961) as		
12 wt % Ni						reported by Gust et al. (1970)		
Fe-7 wt% Cr,	AR	8.5	•••	E-1		Fowler et al. (1961) as		
12 wt % Ni						reported by Gust et al. (1970)		
Fe-5.93 wt% Cr,	1303 K, 1 h,	11.0-10.7	5.24-5.13	E-4	$\rho_0 = 7.822 \text{ Mg/m}^3$	Gust et al. (1970)		
8.79 wt % Ni	water quench							
Fe-12.1 wt % Cr,	1303 K, 1 h,	8.7	4.36	E-4	$\rho_0 = 7.778 \text{ Mg/m}^3$	Gust et al. (1970)		
7.73 wt % Ni	water quench							
Fe-15.9 wt% Cr,	1303 K, 1 h,	8.1-7.9	4.19-4.12	E-4	$\rho_0 = 7.760 \text{ Mg/m}^3$	Gust et al. (1970)		
7.8 wt % Ni	water quench							
Fe-18.1 wt% Cr.	1303 K. 1 h.	8.1-7.0	4.65-3.00	E-4	$\rho_0 = 7.827 - 7.833 \text{ Mg/m}^3$. τ	Gust et al (1970)		
8.22 wt % Ni	water quench		and the second se	5. T. T.	· · · · · · · · · · · · · · · · · · ·	Gubt et at. (1910)		
Fe_6 32 wt % Cr	1303 K 1 h	9.8	5.49	F_4	$\rho_{0} = 7.852 \text{ Mg/m}^{3}$	Gust at al (1970)		
12 2 wt % Ni	water quench	0.0	0.10	1-1	P0	Gust et ut. (1910)		
Fo 11 7 wt % Cr	1902 K 1 b	0.0	1 99	F 4	$n = 7.988 M m/m^3$	Cust at at (1070)		
19 1 wt % Ni	water quench	0.4	4.22	T-4	P0 - 1.000 Mg/ III	Gust et al. (1970)		
Fo E Ol ut & Cn	1202 K 1 h	7.0	111	E 4	0 -7 950 Mar/m3	G () 1 (1050)		
10 0 mt 0 Ni	1303 K, 1 H,	1.0	4,14	L-4	$p_0 = 7.052 \text{ Mg/m}^2$	Gust et al. (1970)		
10.0 wt % N1	water quench	7.0		C 10				
Fe=20 wt % Cr,	168 h, liquid N	7.0		G-12	$\rho_0 = 7.79 \text{ Mg/m}^\circ$	Graham <i>et al</i> . (1968)		
8.5 Wt % N1						and the second s		
B. Elements								
Antimony								
Antimony	AR	11.4-8.6	• • •	E-1	10 to 25 mm, +	Minshall as reported by		
Antimony	AR	~9.5		E-1	Wedge sample, optical lever	Katz et al. (1959)		
Antimony	Cast	10.8-9.1	16.4-13.9	E-1	5 to 49 mm, +, 7	Warnes (1967)		
Antimony	Cast			E-20	Direct observation of transformation	Breed et al. (1968)		
mithiony	Cast			1-20	times			
					times			