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SUMMARY OF HUGONIOT ELASTIC LIMIT MEASUREMENTS

Material	Condition (a)	σ_{HEL} (kbar) (b)	Remarks (c)	Technique (d)	Reference
<u>METALS</u>					
Iron Alloys					
o iron	annealed	7	25 mm	E-1	Bancroft, et al. (1955)
o iron	AR, annealed	15-7	25-133 mm	E-1, 14	Minshall (1961)
o iron	normalized	8-7	20-51 mm ⁺ *	E-5	Jones, et al. (1962)
o iron	annealed	11-7	6-51 mm ⁺ *	E-6	Taylor, et al. (1963)
o iron	-	10	25-60 mm ⁺ *	E-7	Ivanov, et al. (1963)
o iron	annealed	12-6	6-40 mm ⁺ *	E-12	McQueen (1964)
o iron	-	11-8	4-18 mm ⁺	E-12	Peyre, et al. (1965)
vac E iron	varied	12-6	12 mm [*]	E-5	Holland (1967)
vac E iron	annealed	10	13 mm, temp 76- 573°K	E-5	Rohde (1968a)
018	normalized	13-10	20-51 mm ⁺ *	E-5	Jones, et al. (1962)
018	annealed - cold rolled	16-9	19 mm	E-5	Jones, et al. (1964)
018	varied	12	19 mm [*]	E-5	Jones, et al. (1968)
020	-	10-12	127 mm	E-1	Minshall (1955)
020	AR, annealed	15-11	50-127 mm	E-1	Minshall (1961)
020	AR	10	51-76 mm	E-1	Costello (1957)
040	-	11	127 mm	E-1	Minshall (1955)
040	AR, annealed	6-14	127 mm	E-1	Minshall (1961)
055	AR, annealed	13-15	125-127 mm	E-1, 14	Minshall (1961)
055	varied	8-15	25 mm	E-14	Loree, et al. (1966)