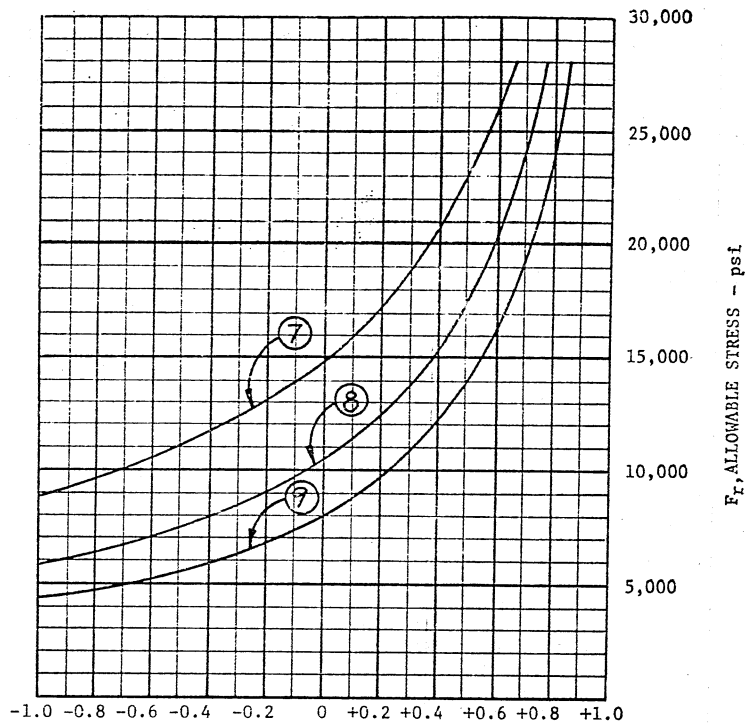




$$R = \frac{\min.}{\max.}$$

These curves are for A36, A441, and A242 weldable steel.

$$K_t = 1.00$$

Fatigue stress, F_r shall not exceed the basic allowable stress.

Base Metal adjacent to or connected by fillet* or plug welds	CYCLES	FORMULA	CURVE NUMBER	TYPE OF STRESS
	100,000	$\frac{k_1(15,000)}{1-0.70R}$	7	TENSION OR COMPRESSION
	500,000	$\frac{k_1(10,500)}{1-0.80R}$	8	
	2,000,000	$\frac{k_1(8,000)}{1-0.83R}$	9	

* Does not apply to the usual continuous fillet welded flange web connections and similar connections which are governed by BASE METAL criteria.

ALLOWABLE STRESSES (FATIGUE)