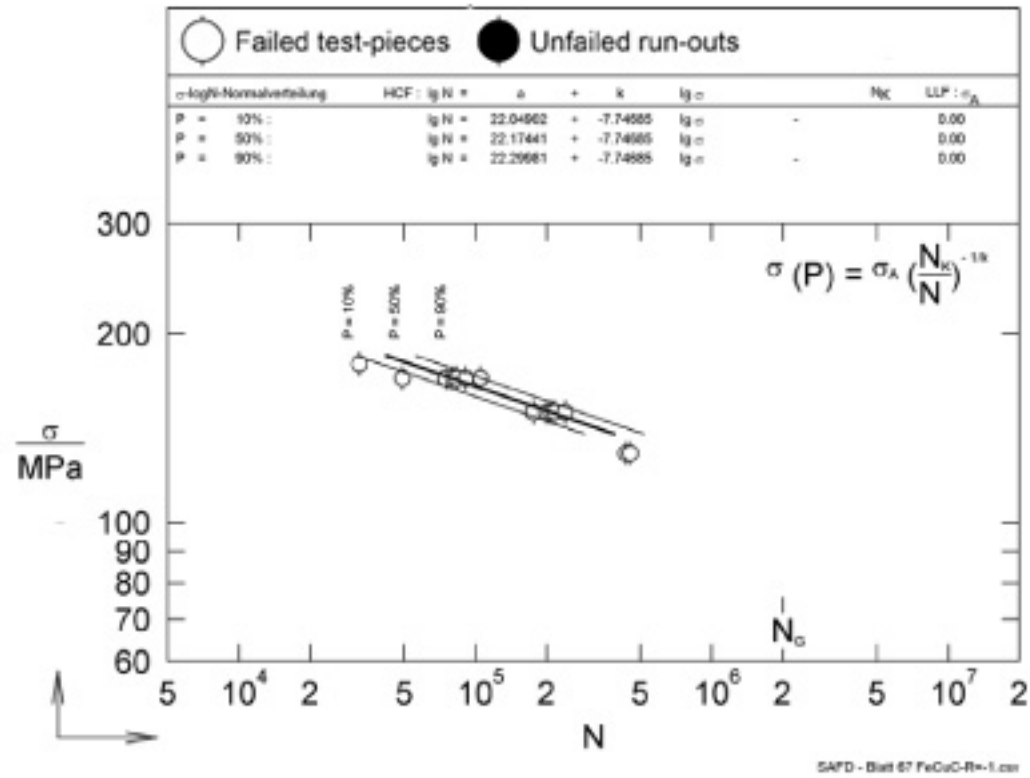

Material:	Fe-1.5 % Cu-0.6 % C; iron: water atomised copper: FS carbon: not specified; sintering: 1120 °C, 30 min, 70 % N_2 + 30 % H_2 heat treatment: - density: 6.92 g/cm^3 mech. properties: H = 122 HV10; $R_{p0.2}$ = 359 MPa; R_m = 433 MPa
Specimen:	rectangular bar 90 x 11 x 5, central hole ∅ 2 mm, hole compacted, K_t = 2.0; surface as sintered
Loading mode:	plane bending, R = -1; 25 Hz
Limiting no. of cycles:	$2 \cdot 10^6$
Endurance limit:	110 MPa (extrapolated)
Quelle :	C.M. Sonsino: Ermittlung anwendungsrelevanter Kenngrößen für Sintermetalle. LBF-Report No. FB-158: Fraunhofer-Institut für Betriebsfestigkeit, Darmstadt, 1981

Stress amplitude:	129	150	170	179	MPa
Cycles to failure:	435,482	176,185	49,087	32,357	· 1000
	452,866	200,433	74,812		
		208,435	80,532		
		216,755	83,362		
		239,867	91,195		
			104,947		