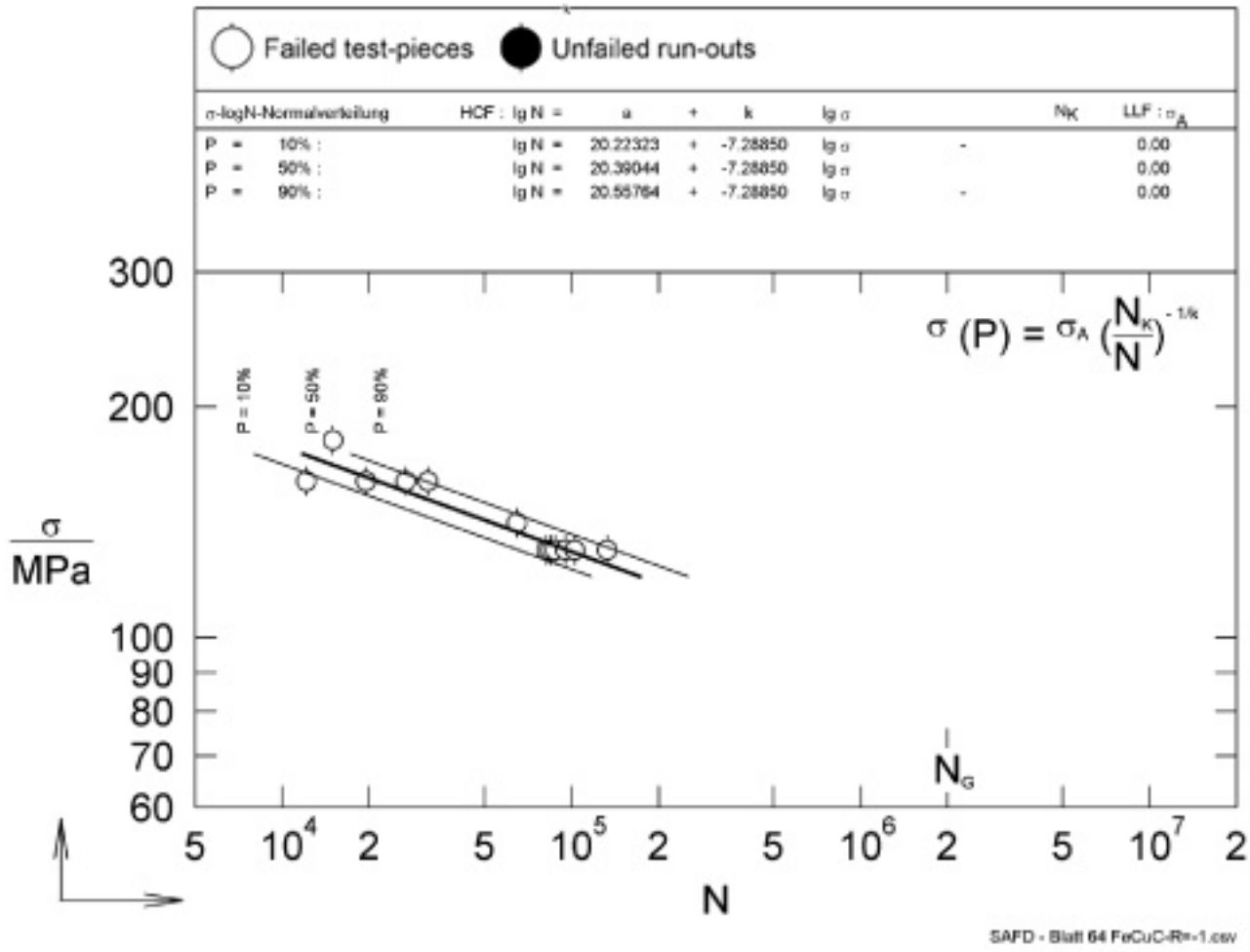

Material:	Fe-1.5 % Cu-0.6 % C; iron: water atomised
	carbon: not specified; sintering: 1120 °C, 30 min, 70 % N_2 + 30 % H_2
	heat treatment: -
	density: 6.60 g/cm^3
	mech. properties: H = 106 HV10; $R_{p0.2}$ = 263 MPa; R_m = 336 MPa
Specimen:	rectangular bar 90 x 11 x 5, central hole ∅ 2 mm, hole compacted, 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:	85 MPa (extrapolated)
Quelle :	C.M. Sonsino: Ermittlung anwendungsrelevanter Kenngrößen für Sintermetalle. LBF-Report No. FB-158: Fraunhofer-Institut für Betriebsfestigkeit, Darmstadt, 1981

Stress amplitude:	130	141	160	181	MPa
Cycles to failure:	81,841	64,710	12,105	14,961	· 1000
	84,717		19,497		
	87,694		26,728		
	95,273		31,840		
	102,558				
	133,036				