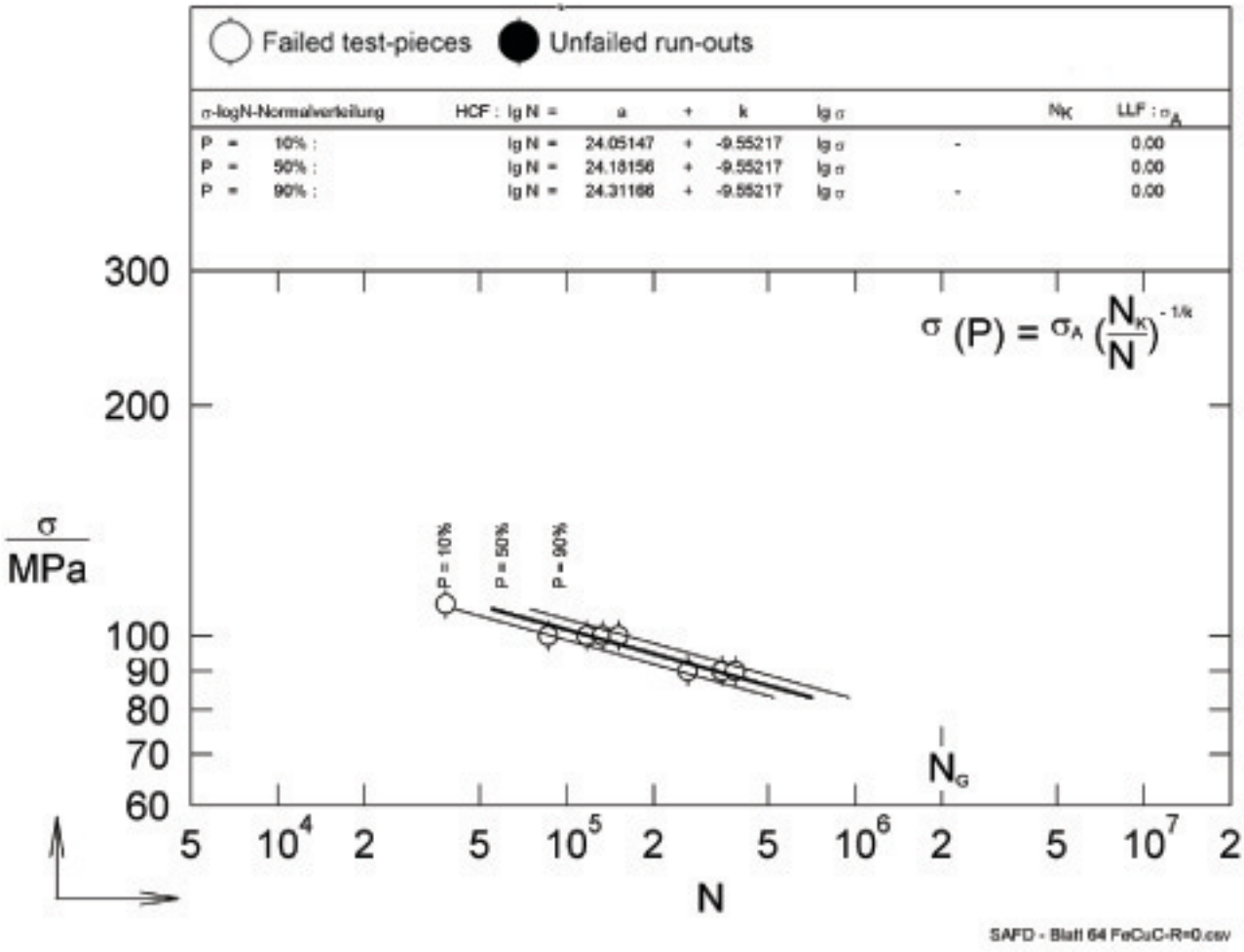

Material:	Fe-1.5 % Cu-0.6 % C; iron: water atomised
	carbon: not specified; sintering: 1120 °C, 30 min, 70 % N_2 + 30 % H_2
	heat treatment: -
	density: 6.60 g/cm^3
	mech. properties: H = 106 HV10; $R_{p0.2}$ = 263 MPa; R_m = 336 MPa
Specimen:	rectangular bar 90 x 11 x 5, central hole ∅ 2 mm, hole compacted, K_t = 2.0; surface as sintered
Loading mode:	plane bending, R = 0; 25 Hz
Limiting no. of cycles:	$2 \cdot 10^8$
Endurance limit:	69 MPa (extrapolated)
Reference:	C.M. Sonsino: Ermittlung anwendungsrelevanter Kenngrößen für Sintermetalle. LBF-Report No. FB-158: Fraunhofer-Institut für Betriebsfestigkeit, Darmstadt, 1981

Stress amplitude:	90	100	110	MPa
Cycles to failure:	262,404	86,093	38,104	· 1000
	345,915	117,482		
	384,565	133,036		
		151,346		