

DIN 743-4:2012-12 (E)

Calculation of load capacity of shafts and axles - Part 4: Fatigue limit, endurance limit - Equivalently damaging continuous stress

Contents	Page
Foreword.....	3
1 Scope	4
2 Normative references	4
3 Symbols, designations and units.....	4
4 Calculation.....	5
4.1 General.....	5
4.2 Single direction of loading.....	5
4.2.1 Calculation of safety factor for time-constant amplitude in the limited life strength domain	5
4.2.2 Calculation of safety factor for load spectra in the limited life strength and fatigue strength domains.....	7
4.3 Combined loads	10
Bibliography	11

Figures

Figure 1 — Limited life strength value σ_{ANK}	6
Figure 2 — Method according to Miner – extended	8