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alloys Huge diversity in (tension)

properties (why stresses & strains)

Metal (alloy) Density E-modulus yield

Failure Maximum Metal (alloy)

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Density spec. E-modulus spec. yield strength spec. Fail. strength

Maximum strain [kg/dm<sup>3</sup>] [%]

Carbon steel (Norm.) 7.8 26.5 48 76 28

HS Steel (OQ-Temp) 7.8 26.5 208 226

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