

E-344 Section 8: Phase Diagrams and Alloy Systems

From:

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Phase Diagrams

Sections 9.1, 9.2, 9.3, 9.4, 9.5, 9.6 introduce important concepts.

Section 9.7 – 9.13 represent the core of this topic.

Skim 9.14, 9.15, 9.16, 9.17

Steel:

Section 9.18, 9.19, 9.20, 10.5 – 10.8, 11.8 on hardenability.

Read Section 11.9 on precipitation hardening (Al-Cu is a model alloy system for ppt hardening).