

GREGG WESTER 1804348
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ACHA 6012

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4.

9) i) THE MAIN ALLOYING ELEMENT IN 7XXX ALUMINIUM IS ZINC WHICH IS HEAT TREATABLE FOR INCREASED STRENGTH. HOWEVER, THE ALLOY BECOMES BRITTLE

ii) 1045

1 : FIRST DIGIT TELLS OF STEEL TYPE BETWEEN 1 + 9, IN THIS CASE CARBON STEEL.

0 : MODIFICATIONS TO THE STEEL, IN THIS CASE NONE

45 : CARBON CONCENTRATION WITH 0.45% IN THIS CASE.