

ERGONOMIC DESIGN OF A NON-POWERED HACKSAW

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Abstract

An ergonomically designed non-powered hacksaw with particular reference to hacksaw handle is proposed. To accommodate the entire male and female populations, the hand dimensions are categorized into three groups: small, medium and large. The ergonomically designed hacksaw handles give special emphasis on handle size, length, cross section dimension and curvature. The three sizes of handles for both the right (rear) and left (front) hands are interchangeable to suit the specific size of the hand. Thus, the concept of “snap-on-handles” with a fixed sized hacksaw (blade) can be promoted.