

عنوان مقاله:

ERGONOMIC EVALUATION & DESIGN OF FILE HANDLE

محل انتشار:

نخستین کنفرانس بین‌المللی ارگونومی ایران (سال: 1387)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

The use of conventional straight handle file provides the ulnar deviation in the wrist that may lead to MSD for the frequent and regular use of file. Therefore, the primary objective of the present study was to redesign ergonomically the handle of the file to reduce the risk of WMSD. The bent handle was designed to reduce the bent of wrist at the cost of bending the handle of file. Further in this study, experimental simulation was conducted to investigate the effect of repetitive use of file on human performance in terms of discomfort and fatigue. The results of experimental simulation also showed that the 450 downward bend in the file handle was best for low level of discomfort in the wrist and forearm system.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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