

General manual handling risk assessment guidelines

Source: United Kingdom Health and Safety Executive

There is no such thing as a completely 'safe' manual handling operation. But working within the following guidelines will cut the risk and reduce the need for a more detailed assessment.



Each box contains a guideline weight for lifting and lowering in that zone.

(As you can see, the guideline weights are reduced if handling is done with arms extended, or at high or low levels, as that is where injuries are most likely to occur.)

The guideline weights assume that the load is readily grasped with both hands and that the operation takes place in reasonable working conditions, with the lifter in a stable body position.

- Method**
1. Observe the work activity you are assessing and compare it to the diagram.
 2. Decide which box or boxes the lifter's hands pass through when moving the load.
 3. Assess the maximum weight being handled. If it is less than the figure given in the box, the operation is within the guidelines.
 4. If the lifter's hands enter more than one box during the operation, use the smallest weight. Use an in-between weight if the hands are close to a boundary between boxes.

- Adjustments**
- Twisting**
- Reduce the guideline weights if the handler twists to the side during the operation. As a rough guide:
- reduce them by 10% if the handler twists beyond 45 degrees, and
 - reduce by 20% if the handler twists beyond 90 degrees.
- Frequent lifting and lowering**
- The guideline weights are for infrequent operations - up to about 30 operations per hour - where the pace of work is not forced, adequate pauses to rest or use different muscles are possible, and the load is not supported by the handler for any length of time. Reduce the weights if the operation is repeated more often. As a rough guide reduce the weights:
- by 30% if the operation is repeated once or twice per minute,
 - by 50% if the operation is repeated five to eight times a minute, and
 - by 80% where the operation is repeated more than 12 times a minute.

General Manual Handling Risk Assessment

Yicheng Fang



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Manual Handling in Health and Social Care Michael Mandelstam, 2002 This text presents an accessible overview of manual handling law and the legal implications and practical issues involved Topics covered include equipment provision and handling of children in schools and guidelines on health and safety

Risk Assessment Georgi Popov, Bruce K. Lyon, Bruce D. Hollcroft, 2016-06-27 Covers the fundamentals of risk assessment and emphasizes taking a practical approach in the application of the techniques Written as a primer for students and employed safety professionals covering the fundamentals of risk assessment and emphasizing a practical approach in the application of the techniques Each chapter is developed as a stand alone essay making it easier to cover a subject Includes interactive exercises links videos and downloadable risk assessment tools Addresses criteria prescribed by the Accreditation Board for Engineering and Technology ABET for safety programs

Tolley's Practical Risk Assessment Handbook Mike Bateman, 2006 Risk assessment has become the backbone of Health and Safety management in the UK and elsewhere Employers have a legal duty to prove that risk assessments have been carried out and precautions have been implemented Mike Bateman demystifies the risk assessment process and how it relates to UK legislation Previous ed Croydon LexisNexis 2003

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Ultimate Guide to Manual Handling Lee Marsh, 2007-11-09 This guide will help any employee supervisor manager director or business owner to honestly evaluate their manual handling practices enabling improvement in themselves and others to move and handle in a better safer way

Handbook of Standards and Guidelines in Ergonomics and Human Factors Waldemar Karwowski, 2005-12-16 A comprehensive review of international and national standards and guidelines this handbook consists of 32 chapters divided into nine sections that cover standardization efforts anthropometry and working postures designing manual material human computer interaction occupational health and safety legal protection military human factor standar

HCI International 2022 - Late Breaking Papers: Ergonomics and Product Design Vincent G. Duffy, Pei-Luen Patrick Rau, 2022-11-24 Volume LNCS 13522 is part of the refereed proceedings of the 24th

International Conference on Human Computer Interaction HCII 2022 which was held virtually during June 26 to July 1 2022 A total of 5583 individuals from academia research institutes industry and governmental agencies from 88 countries submitted contributions and 1276 papers and 275 posters were included in the proceedings that were published just before the start of the conference Additionally 296 papers and 181 posters are included in the volumes of the proceedings published after the conference as Late Breaking Work papers and posters The contributions thoroughly cover the entire field of human computer interaction addressing major advances in knowledge and effective use of computers in a variety of application areas

Risk Assessments Questions and Answers Pat Perry, 2003 Risk analysis Risk assessment Health and safety management Health and safety requirements Occupational safety Hazards Legislation Health and Safety *Handbook of Standards and Guidelines in Human Factors and Ergonomics* Waldemar Karwowski, Anna Szopa, Marcelo M. Soares, 2021-06-28 With an updated edition including new material in additional chapters this one of a kind handbook covers not only current standardization efforts but also anthropometry and optimal working postures ergonomic human computer interactions legal protection occupational health and safety and military human factor principles While delineating the crucial role that standards and guidelines play in facilitating the design of advantageous working conditions to enhance individual performance the handbook suggests ways to expand opportunities for global economic and ergonomic development This book features Guidance on the design of work systems including tasks equipment and workspaces as well as the work environment in relation to human capacities and limitations Emphasis on important human factors and ergonomic standards that can be utilized to improve product and process to ensure efficiency and safety A focus on quality control to ensure that standards are met throughout the worldwide market *Occupational Health & Safety Solutions* Ian Bollans, David Preece, 2024-05-31 Health and safety legislation places significant responsibilities on employers and managers to protect the health and safety of their workers but the subject area is seen as both complex and technical in nature often requiring the input of professionals This book dispels these myths by taking a unique approach allowing somebody with little or no knowledge of the subject to understand their legal duties and then take a practical step by step approach to control workplace risks and prevent accidents Occupational Health Safety Solutions Practical Compliance is a reworking and updating of Jordan Publishing's Health and Safety Management published by LexisNexis from 1997 to 2023 The book takes a comprehensive approach by covering the main subject areas of occupational health and safety and is relevant to all types of workplaces It provides enough background knowledge for the reader to understand what the law requires and what needs to be done to achieve compliance with the main emphasis being on practical application Providing the reader with the ability to manage health and safety through a process of flowcharts diagrams and extensive checklists the book draws on the expertise of the authors and current best practice within industry Each chapter sets out a clear practical approach to identifying and managing risks thereby enabling a robust and successful health and safety management system to be established in any

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