

DIN EN 1005-2:2003-09 (E)

Safety of machinery - Human physical performance - Part 2: Manual handling of machinery and component parts of machinery

Contents

	Page
Foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions.....	5
4 Recommendations for the design of machinery and component parts where objects are lifted, lowered and carried	5
4.1 General principles.....	5
4.2 Recommendations for the design of machinery	6
4.2.1 Systems without manual handling.....	6
4.2.2 Manual handling with technical aids	6
4.3 Risk assessment and recommendations for the design of machinery and component parts involving manual handling	6
4.3.1 Approach to risk assessment.....	6
4.3.2 Hazard identification, risk estimation, risk evaluation and recommendations for risk reduction by design	7
4.3.3 Risk assessment model	9
4.4 Information for use	16
Annex A (informative) Populations characteristics and system design	18
A.1 Population characteristics	18
A.2 System design.....	18
A.2.1 Avoid constrained postures	18
A.2.2 Acceleration and movement accuracy	18
A.2.3 Minimise the discomfort, fatigue and stress on the operator	19
Annex B (informative) Recommended thermal comfort requirements.....	19
Annex C (informative) Risk assessment worksheets	20
Annex ZA (informative) Relationship of this document with EC Directives.....	26
Bibliography	27