

DIN EN 15878:2011-01 (E)

Steel static storage systems - Terms and definitions

Contents	Page
Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
3.1 Storage system	5
3.2 General definitions for any type of storage system	6
3.3 Components	9
4 Abbreviations	16
5 Storage Systems: Types, specific definitions and components	16
5.1 Palletized Goods	16
5.1.1 Adjustable pallet racking - APR	16
5.1.2 Drive-in and drive-through pallet racking	20
5.1.3 S/R machine pallet racking	23
5.1.4 Open face pallet racking	25
5.2 Small Parts - Mechanically Handled	27
5.2.1 Open face miniload racking	27
5.2.2 Multi-location miniload racking	30
5.3 Small Parts - Hand Loaded	33
5.3.1 Shelving	33
5.3.2 Multi-tier shelving	38
5.3.3 Cantilever shelving system - Gondola	40
5.4 Long Unit Loads	43
5.4.1 Cantilever racking	43
5.4.2 Cassette racking	45
5.5 Dynamic Storage - Palletized Goods	48
5.5.1 Mobile racking	48
5.5.2 Pallet live storage	50
5.5.3 Shuttle racking system	53
5.6 Dynamic Storage - Small Parts	56
5.6.1 Mobile shelving	56
5.6.2 Carton live storage	58
5.6.3 Carousels	60
5.6.4 Storage lifts	62
5.7 Various	63
5.7.1 Mezzanine floor	63
5.7.2 Raised floor	66
5.7.3 Rack-clad storage system	67
Annex A (informative) Mechanical handling equipment	70
Annex B (informative) Load make up accessories	76
B.1 Pallets	76
B.1.1 General	76
B.1.2 Definitions	76

B.1.3	Types	76
B.2	Containers	82
B.2.1	General	82
B.2.2	Main types of containers for manual handling	82
B.2.3	Main types of containers for use with MHE	84
Bibliography		88