Assembly Guide

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ADJUSTABLE-BEAM PALLET RACKING

Standard Components and Accessories



taken to make this publication as complete and accurate as possible. PRODUCT DESIGNED & MANUFACTURED IN THE UK TO QUALITY MANAGEMENT SYSTEMS CONFORMING TO THE INTERNATIONAL STANDARD BS EN ISO 9001:2000.



PLEASE READ FIRST: Safety & Operational Rules



If in doubt on any aspect of design, installation or usage, contact the racking supplier.



Where racking is to be installed or directed to be installed by the client/user or an agent acting on their behalf, then installation work must be carried out in accordance with the Storage Equipment Manufacturers' Association (SEMA) 'Guide to Method Statements for the Installation of Storage Equipment.'



It is RECOMMENDED that racking installation work is undertaken by experienced, trained personnel ONLY, and under the supervision of SEIRS Registered Installers (SEIRS is the Storage Equipment Installers Registration Scheme, operated by SEMA - see below).



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Safety & Load information signs MUST ALWAYS BE FITTED and clearly displayed - refer to page 11.

Loading and performance information should be made available by the racking supplier. Racking MUST NOT BE DISMANTLED OR THE ADVISED CONFIGURATION CHANGED without prior consultation with the racking supplier - unauthorised removal or re-positioning of beams in particular can

removal or re-positioning of beams in particular can seriously compromise the stability and safety of the racking structure.



Unless otherwise stated, load performance information provided assumes MAXIMUM STATIC UNIFORMLY DISTRIBUTED SAFE WORKING LOADS.

Under no circumstances should quoted capacities be exceeded or varied.







During installation, check verticals and levels to ensure the racking is within the recommended parameters, shown right.

The extent of undulation, slopes, steps, ridges, etc.

in the concrete floor slab surface affect both racking and handling equipment. Advice on the effects of floor surface level variations on particular handling equipment should be obtained from the supplier.

The supporting floor slab for pallet racking should be of suitable construction and thickness and level

to within 1:1000.

Note: general parameters only are shown refer to SEMA Guideline No.2 'Guide to Erection Tolerances for Static Racking' for other applications.



Installation Tolerances for Standard Adjustable Pallet Racking



i Component Identification



Installation of the following components (illustrated left) is described:

	Component	Page
А	Frame Upright	3
В	Frame Bracing Tie (horizontal)	4
С	Frame Bracing Tie (diagonal)	4
D	Bolted Frame Joining Unit	5
Е	Frame Foot Plates & Anchors	5, 7
F	Stepped Beam (in pairs)	6
G	Box Beam (in pairs)	6
н	Beam Locking Pin (2 per beam)	6
I	Rack Run Spacer (fixed)	7
J	Rack Run Spacer (adjustable)	7
κ	Upright Protectors & Anchors	8
L	Chipboard Shelving	9
М	Shelf Cladding Support, for Box Beams	9
Ν	Cladding Location Bracket	9
0	Shelf Cladding Support, for Stepped Beams	9
Ρ	Wire Beam Tie for Stepped Beams	9
Q	Steel Shelf Panel	9
R	Pallet Support Bar	9

Installation of the following additional accessory components (not illustrated) is also described:

Component	Page
Coil Cradle	10
Pallet Foot Support	10
Drum Chock	10
Fork Spacer	10
Safety Sign	11

H

Upright & Frame Identification and Orientation



2 K.D. Frame Assembly



3 Frame Joining



4 Foot Plate Location

Note: * For cold store applications use 8.8 grade fixings for all frame types





6 Foot Plate Anchoring



Rack Run Spacers



8 Upright Protectors



9

9 Shelving



Support Accessories



Racking (maintenance & safety) Signs



Racking Safety Inspection

In accordance with current guidelines and workplace health & safety regulations, it is essential that pallet racking is inspected for actual or potential safety

hazards. These may be caused by impact damage to the racking or result from missing components.

Inspections should be conducted on a regular, scheduled basis by suitably competent personnel.

If in doubt when and now to conduct racking safety inspections, contact the racking supplier.