## Pallet Racking Selection Guide

# Dexion pallet handing <br> systems comparison chart. 

| Comernal |  |  |  | $\begin{gathered} \text { read } \\ \text { read } \\ \hline \text { ded } \end{gathered}$ |  | simespat | Aos | nopin | ame |  |  | $\begin{aligned} & \text { Building } \\ & \text { volume } \\ & \text { (cbm) } \end{aligned}$ | Aise |  | $\begin{aligned} & \text { Average } \\ & \text { locations } \\ & \text { used in } \end{aligned}$ | . |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Steditiveraxing | 2000 | 5 | 629827.0 | 1688 | 085 | ${ }_{539 \times 11.9}$ | 841.4 | 7.45 | 4778.5 | 33\% | 8 | ${ }_{18586}$ | ${ }^{6} 78$ | ${ }^{\text {35\% }}$ | 95\% | 100\% | cood | 1 |
| Double deep racking | 2040 | 5 | $52 \times 23.5$ | ${ }^{1227}$ | 0.60 | $43.1 \times 14.4$ | 619.5 | ${ }^{7.75}$ | 4801.1 | 51\% | 9 | 11040 | 541 | ${ }^{438 \%}$ | 89\% | ${ }^{50 \%}$ | Fart | 1 |
| Dive in racking | 2080 | 5 | $50.3 \times 23.3$ | 1169 | 0.56 | $449 \times 17.5$ | 7755 | 8.00 | 62839 | 67\% | ${ }_{8} 8$ | 9590 | 4.81 | 68\% | 75\% | 6\% | Fart | 2 |
| Narrow aisle racking | ${ }^{2176}$ | ${ }_{8}$ | $558 \times 17 \times 0$ | 9я | 0.44 | $458 \times 9.5$ | 4854 | ${ }^{1235}$ | ss77.0 | $48 \%$ | ${ }^{13}$ | ${ }_{12388}$ | ${ }_{5}^{567}$ | $44 \%$ | 95\% | $100 \%$ | cood | 1 |
| Puss baskrading | 2120 | 5 | $48.7 \times 230$ | 1119 | 0.58 | $\times$ | 4840 | 880 | 42592 | 43\% | 9 | 10071 | 4.75 | $42 \%$ | 80\% | ${ }^{286}$ | Fart | 3 |
| Palle fow rasking | 2080 | 5 | $44.1 \times 290$ | 1279 | 0.61 | ${ }_{351 \times 200}$ | 7020 | 875 | 61425 | 55\% | ${ }_{9} 9$ | 12150 | ${ }_{584}$ | $51 \%$ | 90\% | ${ }_{13 \%}$ | Far | 4 |
| Moller recking | 2000 | 5 | $67.0 \times 16.1$ | 1079 | 0.54 | $540 \times 125$ | 6750 | 780 | 52650 | 68\% | ${ }^{8}$ | 8850 | ${ }^{4.31}$ | $61 \%$ | ${ }^{99 \%}$ | 100\% | $\mathrm{cosed}^{\text {d }}$ | 5 |
| ASS open face single deep | 2048 | ${ }_{16}$ | $540 \times 89$ | 481 | 023 | $463 \times 48$ | 2224 | 2720 | 80438 | 48\% | ${ }^{28}$ | 13457 | ${ }^{6.57}$ | 45\% | ${ }^{98 \%}$ | $100 \%$ | ${ }_{\text {cood }}$ | 3 |
|  | 2048 | ${ }_{16}$ | $540 \times 7.0$ | ${ }^{\text {s78 }}$ | 0.18 | $46.3 \times 4.8$ | 222.4 | 2720 | ${ }^{\text {co488 }}$ | $59 \%$ | ${ }^{28}$ | ${ }^{10584}$ | 5.17 | 57\% | ${ }^{95 \%}$ | 50\% | Far | 3 |
| ASS closed faced double deep | 2048 | ${ }_{16}$ | $540 \times 69$ | ${ }_{373}$ | 0.18 | ${ }_{43,1 \times 4.8}$ | 2053 | 2920 | 5994,7 | 55\% | 30 | ${ }_{11178}$ | 546 | $54 \%$ | ${ }^{\text {95\% }}$ | ${ }_{50 \%}$ | Far | 3 |
| Ass ame erane | 2080 | ${ }_{16}$ | 57.5889 | 512 | 025 | $463 \times 4.8$ | 222.4 | 2720 | ¢0438 | $43 \%$ | ${ }^{28}$ | 11839 | ${ }_{689}$ | ${ }^{428}$ | ${ }^{\text {98\% }}$ | $100 \%$ | cood | 3 |
| Manual satellite system | 2000 | 5 | $37 . \times 8380$ | 1406 | 0.70 | $23.3 \times 24.4$ | 680, | 9.00 | 82006 | 49\%\% | 9.5 | ${ }_{18357}$ | ${ }^{\text {6.98 }}$ | 48\% | $80 \%$ | $10 \%$ | Poor | 6 |
| Bockstacking | 2052 | 3 | $47.0 \times 356$ | 1673 | 082 | $\times$ | 9100 | 4.05 | ${ }^{36855}$ | $54 \%$ | 4.5 | 7529 | ${ }_{367}$ | $49 \%$ | 70\% | 9\% | Poor | $\bigcirc$ |
| Stackable | 2016 | 4 | $620 \times 325$ | 2015 | 100 | $\times$ | ${ }_{1290}$ | 680 | 7769 | 56\% | 7 | 14105 | 7.00 | 546 | ${ }^{75 \%}$ | \%\% | Poor | 1.5 |

## Dexion Keylock pallet handling systems.

Dexion Keylock operates in conjunction with several key components. These are:

- Products - your boxes, packages, sacks, bottles,
containers etc.
People - your fork lift truck drivers, pickers, packers, operators, managers.
Places - your warehouse, floor, walls, columns, lighting, sprinklers etc.
Prime Movers - fork lift trucks, cranes, handling devices and attachments.
Pallets - wooden, plastic, cardboard in every shape and size.
- Procedures - the storage, handling, picking, despatch Procedures -
processes.
All of these variable key components impact the environment where pallet storage systems form part or the whole of a storage solution. The storage and handling systems that are available are only limited by the imagination of the systems designer.

The table opposite compares the handling, space and density of each pallet storage system. The full range of Dexion Keylock systems are detailed in this book. Your Dexion Dexion Keylock systems are detainec in wis book. Your werid
representative will help assess your needs and work with you representative will help assess your needs and work
to develop a solution that will meet your specific to develop a so
Key operating needs must be compared to the product Key operating needs must be compared to the product
profile that exists today within your business. The quickest and most time efficient method to review your products is to use a P-Q (Product/Quantity) Graph. Today's data will change in the future and this management tool enables you to prepare for this.



Selective racking.
$=$ Low cost equipment toan be used offering simple adjustability and
adaptability, Storage densitis is low with
only $35 \%$ floor space used and only $25 \%$ cubic space used.



Double deep racking






Drive-in
racking
Forklift trucks drive into lanes on
racking specially built to provides support
to the pallet along the pallet sides. to the pallet along the pallet sides.
Stacking often to 10 metres high and 4 .
or 5 but occasionally even 10 pallets deep. or 5 but occasionaliy even 10 pallets dsesp.
This system can provide very dense This system can provide very dense
storage capacity, often low in access and rotation of products. As the truck enters the racking, special precautions apply ensure the compatibility of design
between the truck, pallet and load and bewween the truck, pallet and load and
the racking. Flat floors are advantageous.
Usuall the rack Usually the rack design incorporates stability structure at the rear of the rack and therefore drive in indicates mann by a variation in design.



maneme
nemmeame

orve.in racking
example for 2000 pallets.


Average foor arieal
pallet position:

Verase builiting volume/



Push back racking

## Conventional fork lift trucks load pallets into inclined magazines for storage. once loaded, the pallets return automatically to the front of the rack by gravity. By retrieving from the front of the rack, pallets are stored on a Filo basis. rack, pallets are stored on a Filo basis. The system offers sate and dense Torage for 2,3 and 4 deep pallet storage. Typically up to 5 pallets hish, the safety and relatively fast accessing the safety and relatively fast accessing of the products is achieved as the FLT does not enter the racking.



-

Rsomm (i)





