



Storage Product Range

P Nihill Engineering
Storage Experts

www.pnihillengineering.ie

About Us

P Nihill Engineering, quality and service are more than just words – they are what we believe in and how we do business. Our mission is to design intelligent storage solutions for your unique requirements and in doing so we can increase your storage capacity and help you to best utilise your space as well as increasing your business efficiency and effectiveness in day to day operations.



We are proud to be accredited with SafeContractor, showing our dedication to promote higher standards of competence and compliance to health & safety.



Have your racking inspected by our own SEMA Approved Rack Inspectors



Our installers are SEIRS approved.

We pride ourselves in providing you with a full professional service package including consultation, design, quotation, delivery/customer collection, installation, dismantling/relocation, rack safety inspections and maintenance/service contracts.



Consultation

We are dedicated to advising and designing storage and manual handling solutions that make your business function more productively.



Design

We offer a free design service, using the latest software our qualified CAD Designer will provide a comprehensive Computer Aided Design (CAD) layout and elevation of your storage area.



Delivery & Collection Service

We stock many racking and shelving components in our warehouse which can be available for speedy delivery or collection by prior arrangement.



Installation

Our installation teams are fully qualified and are highly experienced in their particular field, with proven track record of successful projects.

Rack Inspections & Repairs

We can provide a detailed rack inspection report highlighting areas of damage and repairs that need to be carried out, including a quote for . to do the repair work.

It is recommended that a full rack inspection be carried out at least every 12 months

Service & Maintenance Contracts

We offer a service and maintenance contract, which would enable us to periodically check your storage structures and equipment as a pro-active way to keep your warehouse in top condition.

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PALLET RACKING

Ideal for quick access to products stored on pallets. We offer a wide range of sizes, load capacities and custom accessories which allows our systems to be tailor made to suit any space and to store any product regardless of size or weight.



Product Description	Height	900mm deep	1100mm deep
XS1; XS2	2000mm to 6000mm	✓	✓
M1	2000mm to 10000mm	✓	✓



UPRIGHTS colour: Pre Galvanised



BEAMS colour: RAL 2004

Product Description	Length	Loading Per Pair UDL
841	1350mm	1000kg
1041	2700mm	2000kg
1241	2700mm	3000kg
1451	3300mm	3000kg
1551	3600mm	3000kg

Weatherproof Beams

Colour: Pre-Galvanised

Product Description	Length	Loading Per Pair UDL
1252	2700mm	3000kg



AR Beam with Mesh Deck

PALLET RACKING

Accessories

Product Description

Open Boarded Timber Decking – various sizes

Closed Boarded Timber Decking – various sizes

Wire Mesh Decking – various sizes

Row Spacer (bolts included) 200mm & 300mm

Splicing Kit (bolts included)

SEMA Approved Rack End Loading Sign

2mm Levelling Plate

M12 x 75mm Floor Anchor Bolt

Pallet Support Bars 900mm & 1100mm

Beam Locking Pin

Recycling Rack Sacks



Recycling Rack Sack



RSL Loading Sign

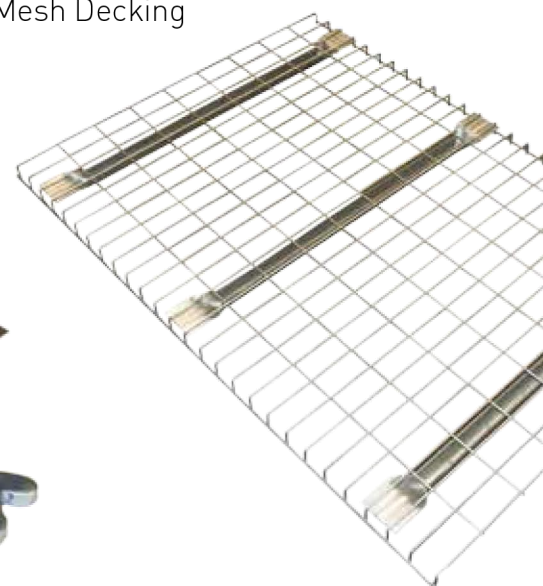
Pallet Support Bar



Open Boarded Timber Decking



Wire Mesh Decking



Row Spacer



Beam Locking Pin



M12 x 75mm
Floor Anchor Bolt



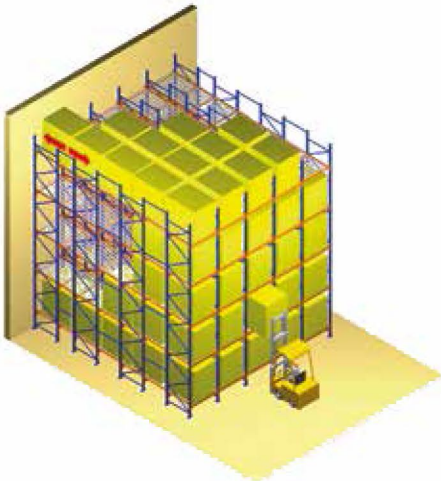
PALLET RACKING



DRIVE IN

Most suitable for:

- High Density Storage
- FILO (First In Last Out)
- More suited for longer term storage



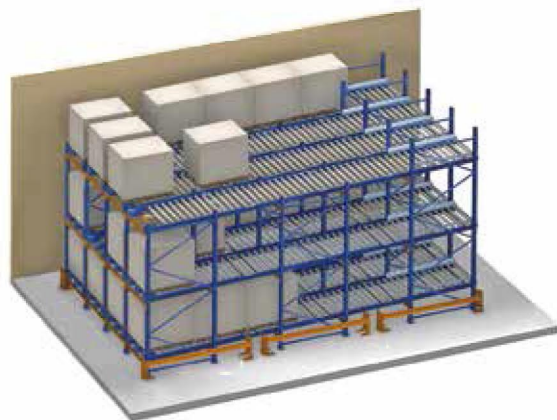
PUSHBACK

- FILO (First in Last Out)
- Cart System
- Roller Bed
- High Density
- Cost Effective



VNA (Very Narrow Aisle)

- Narrow Aisles
- High Rise Storage
- Immediate Access to Pallets



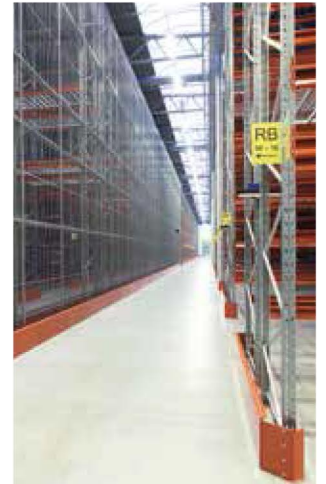
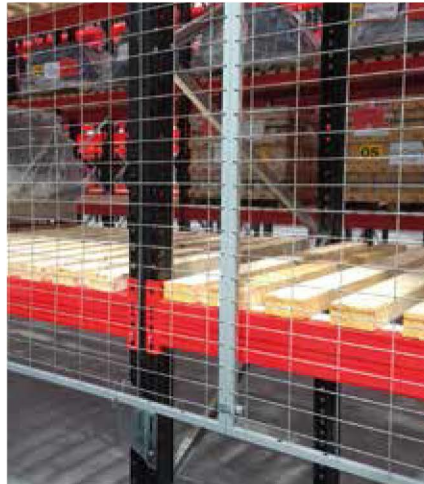
PALLET LIVE

- FIFO (First in First Out)
- High Density
- Full Roller/Twin + Triple Track

PALLET RACKING

Anti-Collapse System:

- Prevents goods from falling on pedestrians
- Fully welded mesh and steel frames
- Mounted using stand-off brackets
- Panels from 1100mm to 2200mm wide
- With a height of 700mm or 1500mm
- Grey in colour as standard
(Galvanised panels available on request)



Racking Protection:

- Column Guards
- Rack End Barriers
- End Frame Protectors
- Usually installed in front of exposed uprights that are liable to forklift truck collisions



Rack Armour Rack End Barriers:

Width	Height
900mm	600mm
1100mm	600mm
2000mm	600mm
2400mm	600mm

Rack end barriers protect the ends of the racking system against vehicle impact



Plastic Upright Protectors:

- These boltless protectors are mounted directly onto the upright not the floor slab, this prevents damage to the concrete



SHELVING SYSTEMS

Heavy Duty Longspan Shelving

The perfect solution for manually storing products of medium size and weight. The resistance, versatility and simple assembly of our longspan range allows this system to respond efficiently to the storage needs of workshops, archives, industrial stores and general warehousing.

Frame Height	400mm deep	600mm deep	900mm deep	1200mm deep
2000mm	✓	✓	✓	✓
2500mm	✓	✓	✓	✓
3000mm	✓	✓	✓	✓
4000mm	✓	✓	✓	✓
5000mm	✓	✓	✓	✓



 **FRAMES colour: RAL 5010**

 **BEAMS colour: RAL 2004**



SHELVING SYSTEMS

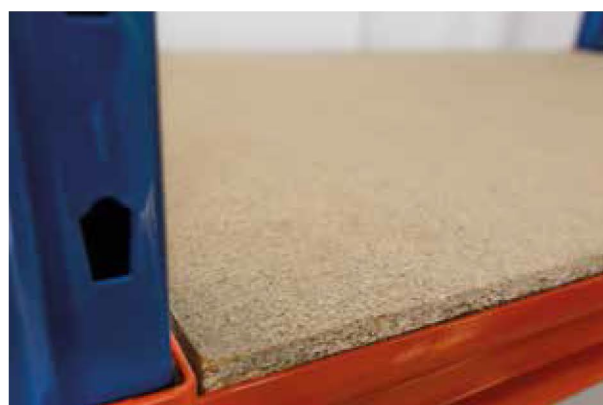
Heavy Duty Longspan Shelving

Description	Length	Loading per pair UDL
Ref Z61 61mm x 30mm	950mm	1075kg
Ref Z61 61mm x 30mm	1150mm	900kg
Ref Z61 61mm x 30mm	1500mm	650kg
Ref Z64 64mm x 30mm	1850mm	790kg
Ref Z74 74mm x 30mm	2400mm	505kg



18mm Chipboard Shelves

Beam Length	400mm deep	600mm deep	900mm deep	1200mm deep
950mm	✓	✓	✓	✓
1150mm	✓	✓	✓	✓
1500mm	✓	✓	✓	✓
1850mm	✓	✓	✓	✓
2400mm	✓	✓	✓	✓



Galvanised Steel Shelf Panels

Beam Length	400mm deep	600mm deep	900mm deep	1200mm deep
950mm	–	✓	✓	–
1150mm	–	✓	✓	–
1500mm	–	✓	✓	–
1850mm	–	✓	✓	–
2400mm	–	✓	✓	–



Available on Request:

- 25mm chipboard shelves
- 18mm plywood shelves

Chipboard Support Bars

400mm	600mm	900mm	1200mm
–	✓	✓	✓



SUPER SHELF

A zinc finish steel shelving system that is widely used in retail, food manufacturing, wholesale and a range of other industrial or commercial applications.



Colour: Zinc

Complete Frames

Frame Height	400mm deep	500mm deep	600mm deep
1972mm	✓	✓	✓
2500mm	✓	✓	✓



Complete Shelves

Standard Shelf



Colour: Zinc

	400mm deep	500mm deep	600mm deep
900mm	✓	✓	✓
1200mm	✓	✓	✓

Load per shelf 150kgs UDL



Perforated PVC Shelf



Colour: Yellow

	300mm deep	500mm deep
900mm	✓	✓
1200mm	✓	✓

Perfect for fridges and food environments



Accessories

End Cap - Double	✓
Shim	✓
Metal Base Plate	✓
Plastic Base Plate	✓
Wall Bracket	✓
Modular Containers	✓
Drawer Unit	-

META SHELVING

Bolt free shelving system that's easy to erect and adjust. It can be used to create complex rows of racks for all applications, whether large or small parts storage.

- Easy boltless assembly
- Extensive system accessories
- Shelf increments of 25mm

Complete Frames

Description	Frame height	300mm deep	400mm deep	600mm deep
Open Frame T1 N	2000mm	✓	✓	✓
Open Frame T2 N	2500mm	✓	✓	✓
Open Frame T1 N	3000mm	✓	✓	✓

Shelf (PreGalvanised)

Description	Shelf width	300mm deep	400mm deep	600mm deep
V150	1000mm	✓	✓	✓

Load per shelf 150kgs UDL

Full Height Dividers

Height	300mm deep	400mm deep	600mm deep
200mm	✓	✓	✓
300mm	✓	✓	✓
400mm	✓	✓	✓



Colour: Pre-Galvanised

Accessories

Solid Back & Side Cladding	✓
Mesh Back & Side Cladding	✓
Pull Out Drawer	✓
Bin Fronts 1000mm	✓



META SHELVING



Mobile Shelving Systems offer a flexible and highly effective solution, which can more than double the storage capacity of conventional static shelving or simply free up valuable floor space.

Mobile Shelving is suitable for office, commercial and industrial applications, for general storage and filing systems, in areas such as:

- Document storage
- Library storage
- Magnetic tape storage
- Parts storage
- Medical records
- Archive filing
- Security vaults
- Art storage



MISTRAL SHELVING



Mistral Shelving is a sturdy and robust yet stylish system which offers a wide range of accessories making it a very flexible system to suit all your storage needs, it is ideally suited for archive, general office storage and small parts storage.

Accessories

Commercial Shelf, Pull Out Shelf, Pull Out Cradle, Lateral Rail, Dividers, Door Sets



STABIL

- Boltless system - comes flat packed
- Load Capacity up to 175kg per shelf
- 5 No. shelf levels
- Recommend 2 person installation

Typical bay size:

2000mm (h) x 1000mm (w) x 500mm (d)



WORKBENCHES

Medium Duty Workbench

- Medium Duty Workbench 900mm (h) x 2100mm (w) x 900mm (d)
- Standard Widths 1850mm & 2400mm

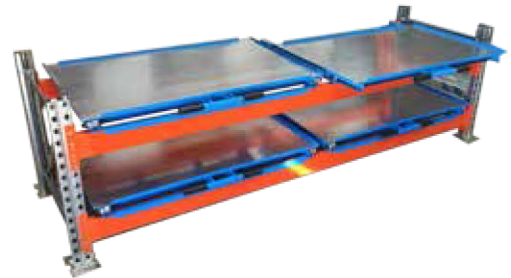
Heavy Duty Workbench

- Worktop 38mm melamine board
- Standard Widths: 2250mm, 2700mm & 3300mm
- Standard Depth: 900mm

We offer a wide range of bespoke workbenches made from pallet racking and shelving components.

Worktop choices are:

- 18mm / 25mm / 30mm / 38mm chipboard
- White melamine board
- Plywood
- Folded steel
- Fully adjustable shelves can be fitted underneath and/or above the working level
- A choice of Static or Mobile Workbenches available. Mobile workbenches come complete with 2 swivel braked castors and 2 swivel castors



SELF STORAGE UNITS

Do you have unused space in your warehouse and are trying to think of ways to generate some extra revenue?

Why not create a Self Storage Centre?

Interested? Call us! We can design, plan and install Self Storage Units in even the most unorthodox spaces.



MEZZANINE FLOORS



Mezzanine floors can be used for a variety of purposes including retail, storage, offices, production areas, canteens/ staff rooms, plant support and more.

- Floors are fully demountable and easily relocated
- Floors can be erected in single, double or triple tier
- Can expand production capacity and improve operating efficiency

Mezzanine floors provide businesses with the opportunity to maximise unused space and allow your business to expand within the premises, helping companies to save money and increase profitability. We can provide advice regarding Building Regulations.

We offer a range of ancillary components and services to complement your mezzanine floor, such as:

Staircases and Balustrading

All our staircases are powder coated to give a highly durable finish with excellent gloss retention. We offer a wide range of colours to enhance your new mezzanine in line with corporate colours scheme.

Handrails

Our standard industrial edge-protection system provides a functional and neat solution that integrates both the handrail and toe plate into the handrail post. Mesh panels can be added to prevent small items from falling off the floor. We also offer attractive feature handrails, which are ideally suited to retail and office environments, or any environment where a modern and aesthetically pleasing look is required.



MEZZANINE FLOORS

Pallet Gates

Designed to protect personnel at exposed opening points at the floor edge, safety gates can have a light-weight, fail-safe roll-over operation. They can accommodate standard sized pallets and require virtually no maintenance.



Fire Protection

Fire rating your Mezzanine floor or incorporating fire protection into your office design is governed by Building Regulations, and is based upon a number of factors. RSL will advise whether fire protection is required and to what extent.

Fire Protection includes: suspended ceilings, column casings, cavity barriers, bulkheads / fascias, staircase enclosures, fire walls, smoke detection systems.



Typical Loading Capacities

Maximum Weight (per m ²)	Sector Use
3.5KN	COMMERCIAL
4.8KN	RETAIL
7.5KN	INDUSTRIAL
9.6KN	HEAVY DUTY

Example Column Grid:

Clear spans up to 13m in the main steel direction to a maximum of 6.5m in the joist direction

CANTILEVER RACKING

- Commonly used for storing long products such as timber and steel
- Ideal for the vehicle salvage industry
- Allows products to be stored over various levels which enables easier product selection
- Clear access for loading and unloading by fork lift truck or side loader
- Standard system up to 10m high
- Max loading of 2000kg (UDL) per arm
- Easily converted to double sided
- Supplied fully galvanised for outdoor use
- Rack clad building available



PARTITIONING & FIT OUT

Fit Out

We also specialise in the full fit out and refurbishment of office and other work spaces to provide a complete space planning and design service. Services provided include:

- Interior Partitions & Partitioning Systems
- Space Planning
- Lighting
- Suspended Ceilings
- Window Blinds
- Air Conditioning
- Floor Covering
- Heating, Plumbing & Electrical Services
- Painting and Decorating
- Filing and Storage Systems



Partitioning

There is no limitation in design or function of Partitioning, so you can meet the changing needs of your facility.

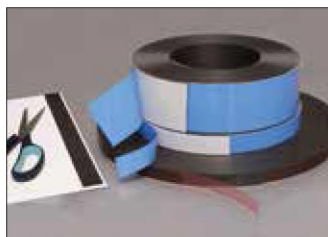
Our Partitioning provides flexible solutions for offices and factories. Whether you want an attractive appearance for your working environment (e.g. canteen, offices, etc...), or you just need to enclose work areas, we offer strong and durable partitions suitable for any application. Partitioning Systems include:

- 1. Mesh Panel Partitioning**
- 3. Machine Safety Fence**

- 2. General Partitioning**
- 4. Glazed & Stud Wall Partitioning**

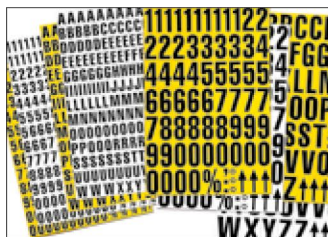


LABELLING & IDENTIFICATION SOLUTION



MAGNETIC EASY-WIPE RACKING STRIP

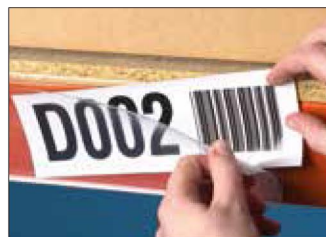
Provides a fast and effective updating system for identifying product codes and stock level information.



NUMBERS & LETTERS

Magnetic characters are printed black on yellow or white delivering high visibility identification.

Self-Adhesive strips also available.



TICKET HOLDER

Clear plastic holders with flexible pull-forward fronts allow easy loading for updating information. Barcodes can be scanned without removing the insert.



BAY & AISLE MARKERS

High-visibility bay and aisle markers offer clear identification throughout the warehouse. The bay markers feature a formed aluminium section with either magnetic or self-adhesive edges.



WEIGHT LOAD NOTICES

Conform to the latest Health and Safety recommendations by properly identifying safety weight and correct loading procedures for your racking and shelving.



FLOOR MARKING TAPE

Ideal for short and medium term marking. Sizes are 50mm and 75mm widths x 33mm long. Available in five bold safety colours and also three diagonally striped hazard warning colours.

MATERIALS HANDLING

Mobile Steps

- Available in all-steel construction, heavy duty plastic or stainless steel
- Blue paint finish
- Retractable safety handbrake
- Full height tubular handrail
- Punched metal or ribbed rubber non-slip tread finish
- Safety kick-plate around platform
- Non-marking wheels and castors
- Tread size: 530 x 205mm - Tread height: 250mm
- See table for mobile step sizes

MODEL	Treads (inc. platform)	Height of Platform (mm)	Overall Height (mm)	Overall Width (mm)	Overall Length (mm)
WS-3	3	740	1730	780	960
WS-4	4	990	1980	780	1080
WS-5	5	1230	2230	780	1190
WS-6	6	1480	2480	780	1300
WS-7	7	1730	2730	850	1410
WS-8	8	1980	2980	850	1520
WS-9	9	2230	3230	1140	1820
WS-10	10	2480	3480	1140	1950
WS-11	11	2730	3730	1140	2120
WS-12	12	2980	3980	1140	2310
WS-13	13	3230	4230	1140	2510
WS-14	14	3480	4480	1140	2700



LOCKERS

- Our Lockers are quality engineered to provide a sturdy and robust locker that will give many years of service
- Standard Colour: Grey Carcass and Blue Doors
- Standard Locks: Cam locks
- Built-in security features
- Replacement locks and keys are available if required
- Locker identification available on request
- Durable powder coated finish with colour options to suit your environment

RSL stocks a range of 1, 2, 3, 4, 6 door lockers
- Nesting available



Other Colour options available.
Please note:
delivery time may vary



Other lock options
are available at
additional cost.
Request lock
option at time of
ordering



We also supply a range of specialist lockers on request, for example:

- PPE (Personal Protection Equipment)
- Leisure Lockers
- Low Access Disability Lockers
- Cube Lockers



CABINETS & CUPBOARDS

Our variety of Cupboards cater for both industrial and commercial use. Included in this range are Specialised Cabinets: Hazardous, Medical, PPE and Acid/Alkaline.

Industrial/Commercial Cupboards

A practical and sturdy range of cupboards manufactured to withstand the wear and tear of industrial use.

- Standard Cupboard supplied with 3 adjustable full width shelves - extra shelves available on request.
H 1780mm W 915mm D 460mm.
- Shelf loading: 85kg UDL (Industrial) 65kg UDL (Commercial)



Hazardous

All hazardous cabinets come with YELLOW doors and SILVER carcass. COSHH regulations demand the safe storage of hazardous items. These cabinets isolate flammable materials and vapours from potential sources of ignition and clearly identify hazardous products in case of a fire.



SMALL PARTS STORAGE

Bins

Super value bins, a simple and effective small parts storage system made from tough polypropylene with anti-static and non-fade-UV stabiliser. Can be used with Louvred Panels, Cabinets and Shelving.

- Available in 7 sizes
- All containers self-stack and interstack
- Supplied identification labels
- Special lip at back for use with Louvred Panels
- Colours: **Red, Blue, Green, Yellow, White**
- Black Conductive Bins are also available

Bin Size	Volume (litres)	Dimensions H x W x D (mm)
1	0.46	50 x 100 x 90
2	1.27	75 x 100 x 165
3	4.6	132 x 150 x 240
4	9.1	132 x 205 x 350
5	12.8	182 x 205 x 350
6	28.3	182 x 420 x 375
7	31.4	200 x 310 x 520



Louvred Panels

Manufactured from strong steel with a grey epoxy finish and double indented louvres for extra strength.

- Designed for wall, end of racking or van mounting
- For small parts bins, and/or spigots
- No framework required for fitting
- Panel size: 946mm (h) x 457mm (w)



Tilt Boxes

- High visibility, high density small parts storage
- Manufactured from high impact plastic
- Dust free protective storage
- Starter kit, bench kit and racks also available
- Optional tilt locking bars available

There are 5 different sizes available (sizes are in mm)
9 compartments - 76mm (h) x 600mm (w) x 68mm (d)
6 compartments - 112mm (h) x 600mm (w) x 94mm (d)
5 compartments - 164mm (h) x 600mm (w) x 135mm (d)
4 compartments - 206mm (h) x 600mm (w) x 177mm (d)
3 compartments - 244mm (h) x 600mm (w) x 214mm (d)

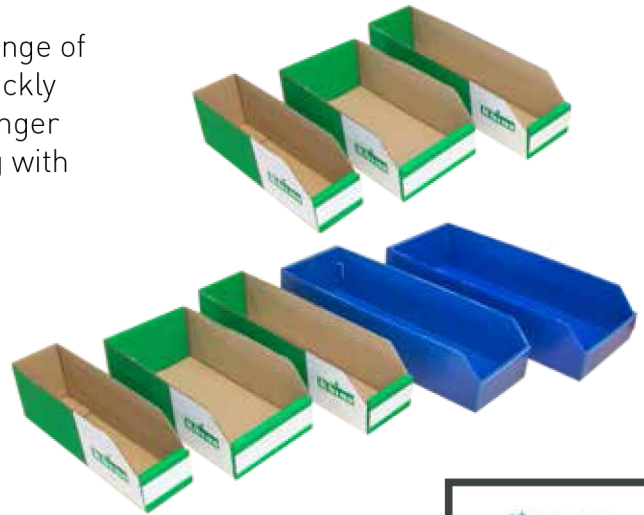


SMALL PARTS STORAGE

K-Bins

Flat pack cardboard parts bins. Available in a wide range of widths and capacities, these versatile bins can be quickly assembled when needed and dismantled when no longer required. This makes them an ideal choice for coping with busier periods or with seasonal demand.

- Flat pack cardboard bins
- Low cost parts storage
- Self-locking tabs
- Assemble and dismantle in seconds
- Write-on label area
- Requires no glue, staples or tape



Wire Storage Baskets

- A tough and durable basket constructed from welded steel with plastic coating to prevent corrosion.
- The baskets stack on top of one another.
- Baskets are snag free.

These baskets are ideal for the following environments:

- Builders' Merchants
- Retail

Small Basket size: 352mm (h) x 995mm (w) x 385mm (d)

Large Basket size: 490mm (h) x 995mm (w) x 575mm (d)



RECENT PROJECTS

Here are samples of recent projects highlighting our varied and extensive range of products.



P Nihill Engineering
Storage Experts

TESTIMONIALS

Here are some of the nice things
our customers had to say

Excellent Service and Product. I purchased shelving from this company after a lot of research on the internet and communications with several companies. I wanted something strong and secure for my Nursery school as storage is always a problem having such a large selection of resources. I discussed my requirements with Terry who advised me which product was best. Delivery was quick and the fitters arrived the following week to install the shelving. The shelving was constructed in no time and was of excellent quality. Terry rang me the following day to ensure I was happy with the service. I would recommend this company to anyone who wishes to deal with a reliable and professional company that has a wide range of versatile products.”

Mary: Head Mistress, St.Joesephs School

I would like to thank you for your participation and support of our warehouse-racking project in Belfast Ireland. We are a US based company with limited knowledge of the Belfast region. PNE was able to give us peace of mind, allowing us to leave this project in the hands of a professional, caring vendor. You met our deadline and exceeded our expectations in your commitment to our needs. You provided a great product and an even better service.

Marilyn: Head of Operations, Logistics Company, Worldwide

Can I thank you very much for your attention to detail from start to finish on this project from the initial site visit to the final installation. The level of communication and attention to detail for me has been outstanding and I would fully recommend your services to anyone that is looking for Racking. Please feel free to use us as a reference site if you ever need to.

All in all a great price and product and cracking service, would not hesitate to use you again for any of our depots.

Nigel: Operations Director, Distribution Company, UK and Ireland

For the past 2 years PNihillEngineering have supplied us storage products from small parts shelving to pallet racking. We use PNihillEngineering as we know we can rely on them to supply a very competitive price, the highest standard of service and the best advice to utilise our space going forward.

Mark: Operation Manager, a multi-national Clinical Development Company



Email: info@pnihillengineering

Phone: 061 369460

Mobile: 087 1225884

Website: www.pnihillengineering.ie

Offices in

- Dublin
- Limerick
- Cork
- Galway

Leading Supplier of:
Sperrin Metal
AR
Meta
Metalsystems
and many more...

PALLET RACKING
SHELVING SYSTEMS
MEZZANINE FLOORS
CANTILEVER RACKING
LOCKERS & CUPBOARDS
SMALL PARTS STORAGE
WORKBENCHES
SIGNS AND LABELS
BARRIERS
INTERIOR & OFFICE FIT-OUT
PARTITIONING
MOBILE STEPS
SELF STORAGE UNITS
CONNECT-A-TUBE