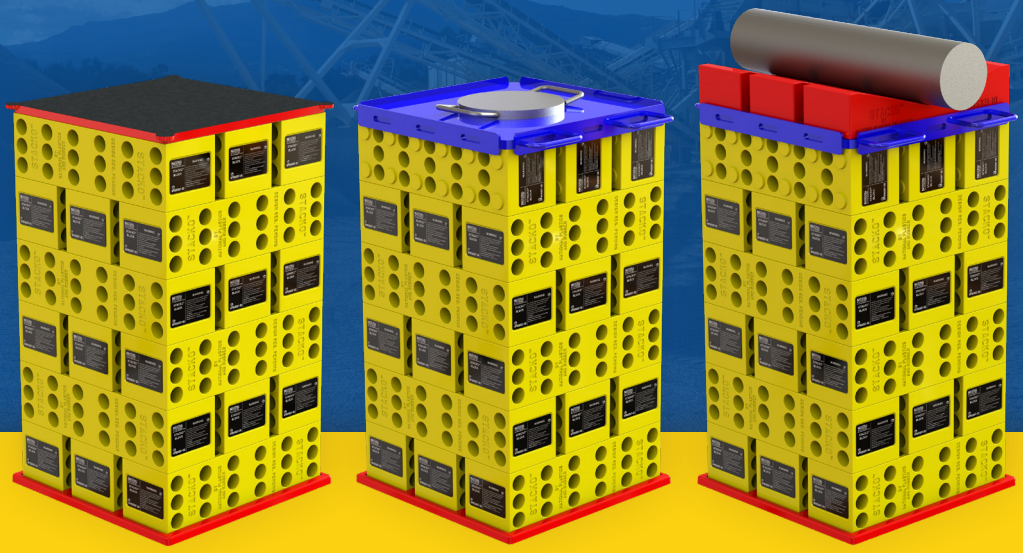
NATIONAL
PLASTICS & RUBBER

North America



STACKO™ BLOCKS

Leaders in the design and manufacture of Polyurethane, Rubber and Industrial Plastic products.

BRO-A-172 V1.0.2

WHY STACKO™?

Made from an extremely tough and impact resistant material Load rated

Laboratory Tested to AS1170

Independently certified

Unique interlocking design for added safety

UV stabilised

Light weight

Splinter free – safer to handle

Long term cost savings

Hi-Vis Yellow

Many configurations for various applications

Manufactured with virgin material to guarantee consistency

Resistant to oil and most workshop chemicals

No splitting or rot problems

Rodent and insect resistant

Salt water resistant

Quality controlled manufacture and testing processes to ensure consistency

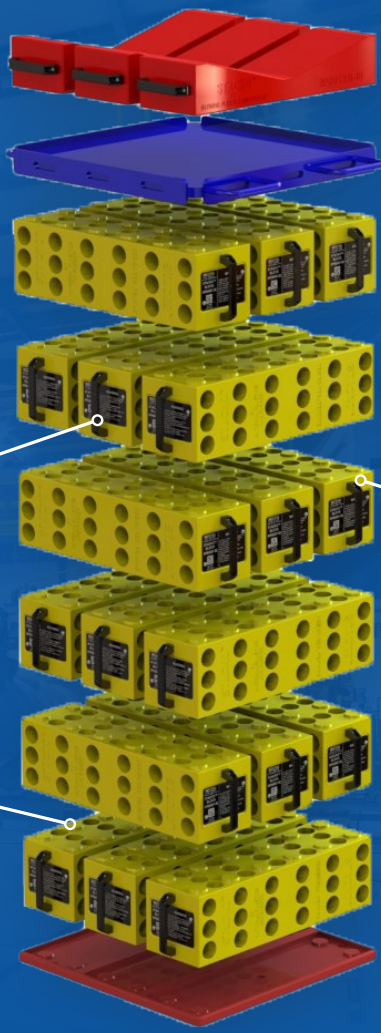
STACKO™ LOAD RATED SUPPORT BLOCKS

Stacko™ Blocks are a unique and configurable solution for load support.
A must for any workshop to ensure absolute safety and long term return.

LOAD RATED

LABORATORY & INDEPENDENTLY TESTED

MULTIPLE CONFIGURATIONS TO SUIT DIFFERENT LOADS



UV STABILISED

LIGHT WEIGHT

UP TO 30% LIGHTER THAN TIMBER & OTHER PRODUCTS

TOUGH & SAFE

INTERLOCKING DESIGN FOR ADDED SAFETY

STACK UP TO 60″
EXCLUDING TOP CONFIGURATION

THE SUPERIOR ALTERNATIVE.

Stacko™ Blocks have been developed from the ground up as a superior alternative to traditional timber blocks. Manufactured from high quality UV stabilised materials ensures Stacko™ Blocks will perform to expectations for the long term.

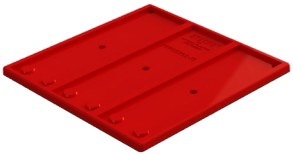
Stacko™ Blocks are safe due to their interlocking design, up to 30% lighter than other products and are load rated with laboratory & independent testing.

Registered Design Product

STACKO™ BLOCK
PART NO. NPR05007-00
Used in Configuration 1 - 7

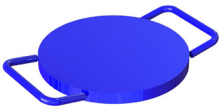
20” L
6” W
6” D
17.50 lbs

BASE PAD
PART NO. NPR05362-10
with Patented High Traction Base
Used in Configuration 2-7 or when forming any stack.



22” L
22” W
0.75” D
10 lbs

JACK PLATE
PART NO. NPR05408-20
Used in Configuration 3



13.75” L
10” W
1” D
17.50 lbs

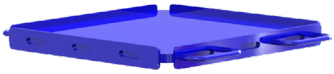
TOP PAD
PART NO. NPR05409-10
with Patented High Traction Top
Used in Configuration 4 & 5
Aust. Pat. No. 2017228727

21.50” L
21.50” W
0.75” D
14.50 lbs

SINGLE V-BLOCK
PART NO. NPR05391-10
Used In Configuration 8

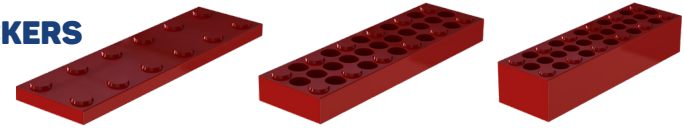
20.50” L
6” W
4” D
14.50 lbs

TOP PLATE
PART NO. NPR05408-00
Used in Configuration 2 & 3



25” L
20.50” W
2” D
92.50 lbs

PACKERS



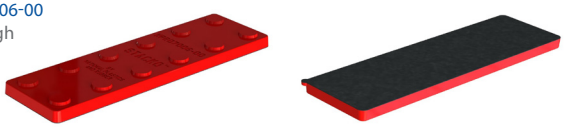
1”
Part No. NPR05377-30

2”
Part No. NPR05377-20

4”
Part No. NPR05377-10

20” L
6” W
23 lbs

TOP OR BOTTOM PAD - SINGLE
PART NO. NPR07006-00
with Patented High Traction Top
Aust. Pat. No. 2017228727



20” L
6” W
1” D
4.5 lbs

STACKO™ CONFIGURATIONS

SINGLE STACKO™ BLOCK

CONFIGURATION 1

Used as a single block/s.

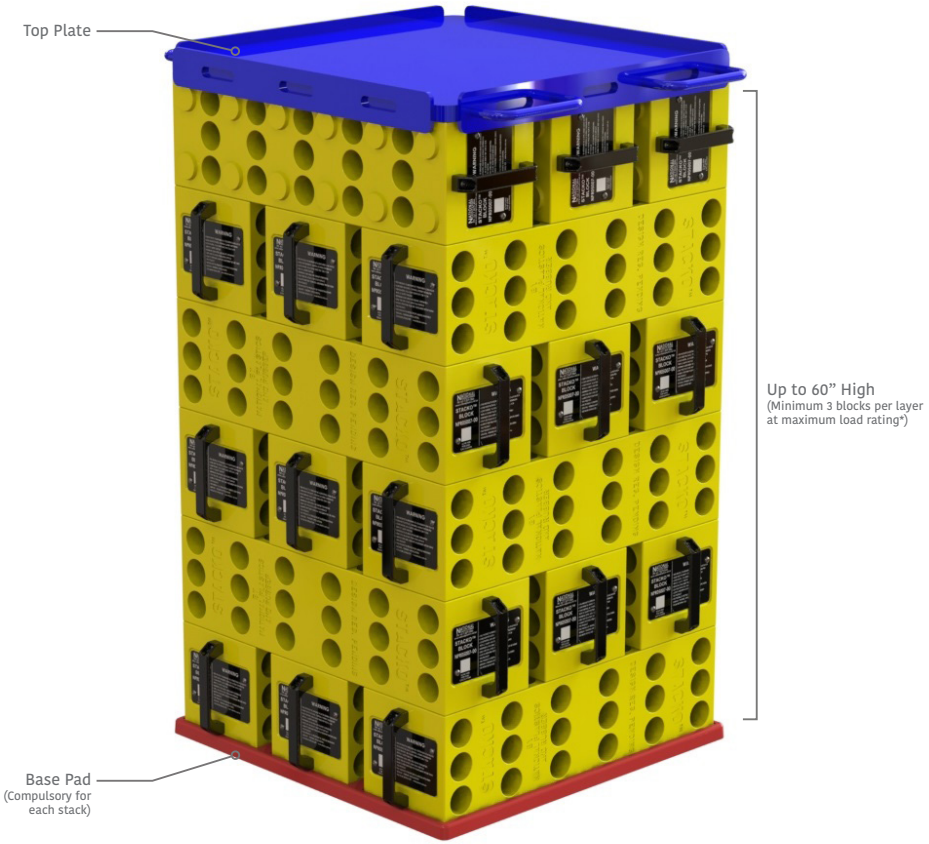
Maximum Load Area at Maximum Load Rating	Load Rating	Maximum Load
Round - 4 inch Square - 4x4 inch Area - 16 sq inch	426 psi	50,600lb

Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -58F to 104F

STACK+TOP PLATE

CONFIGURATION 2

This configuration is a multi-purpose stack to be used where load area fits within the Top Plate edge.



Load Rating	Maximum Load
1422 psi	132,000lb

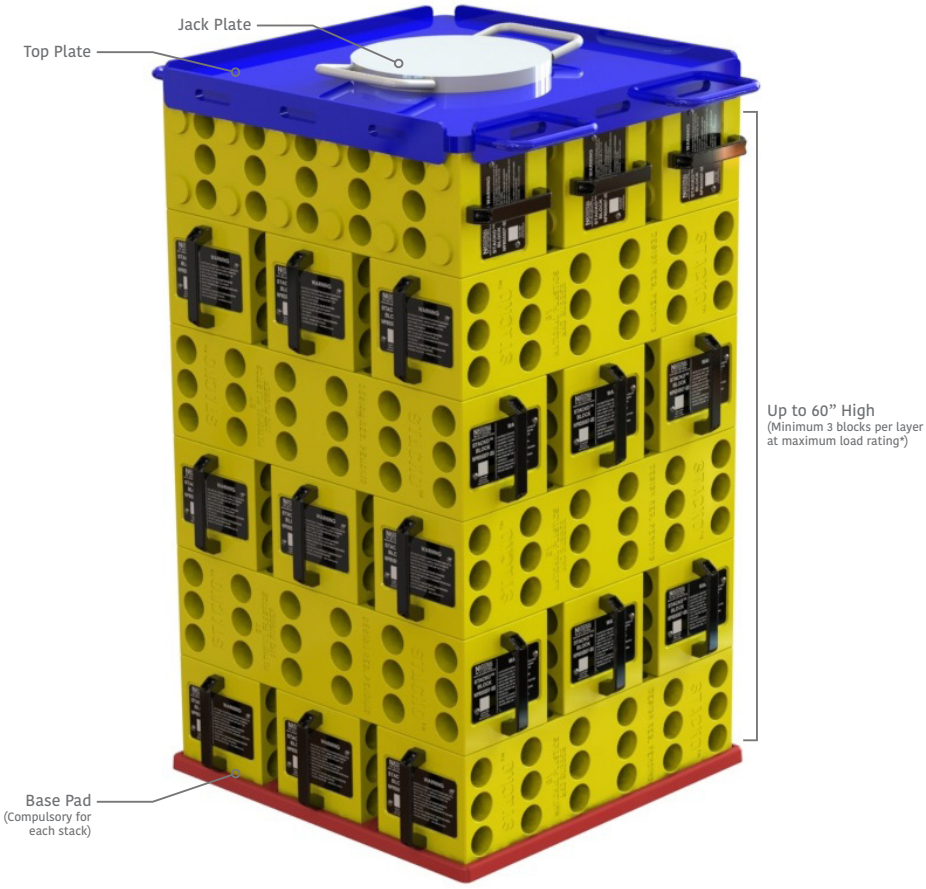
Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -58F to 104F

*Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.

STACK+TOP PLATE+JACK PLATE

CONFIGURATION 3

This configuration with steel Top Plate and Jack Plate is suitable to be used as a high load jacking base.



Jack Plate	Maximum Load when using Jack Plate
10 inch	132,000lb

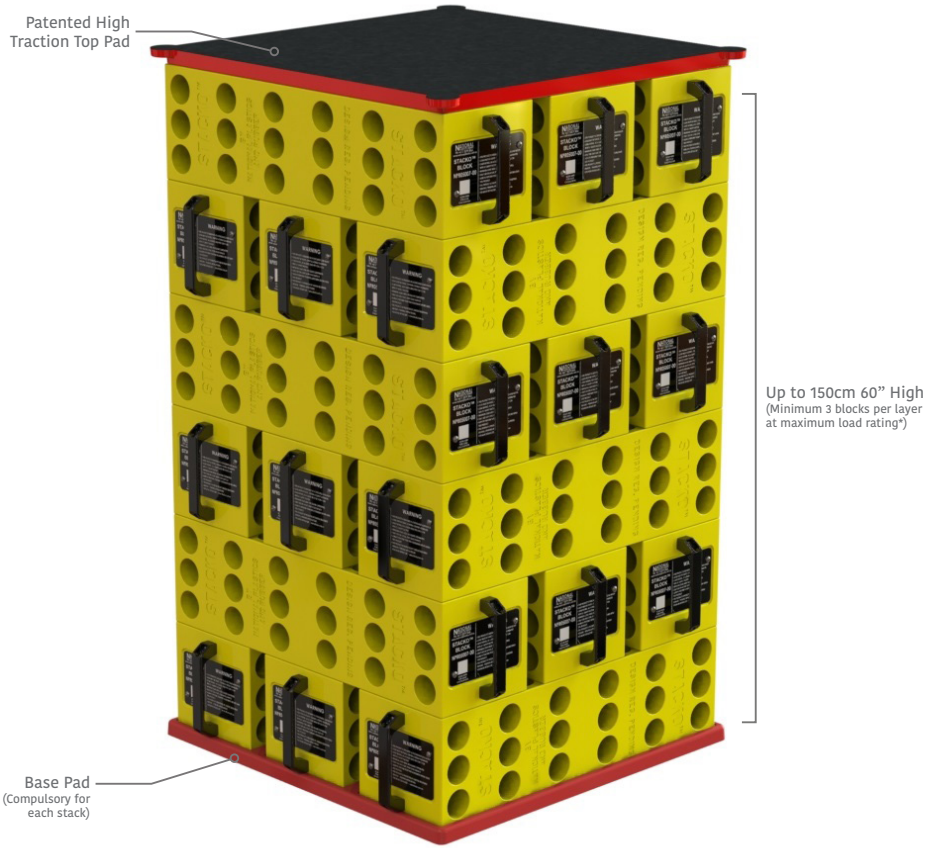
Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -58F to 104F

*Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.

STACK+TOP PAD

CONFIGURATION 4

Multi-Purpose stack suitable for larger load areas with no point loading.
The slip patented high traction top pad provides an improved grip surface.



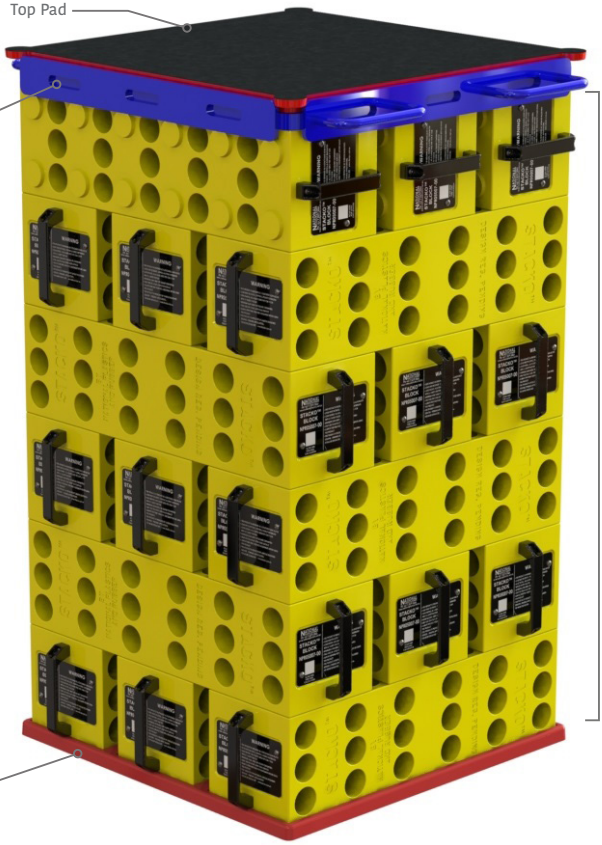
Load Rating	Maximum Load
426 psi	132,000lb

Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -58F to 104F
*Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.

STACK+TOP PLATE+TOP PAD

CONFIGURATION 5

With the steel Top Plate & high traction Top Pad, this is a high load stack that provides an improved grip surface for the item being supported. Suitable for load areas larger than the top plate.



Top Plate	Maximum Load
1422 psi	132,000lb

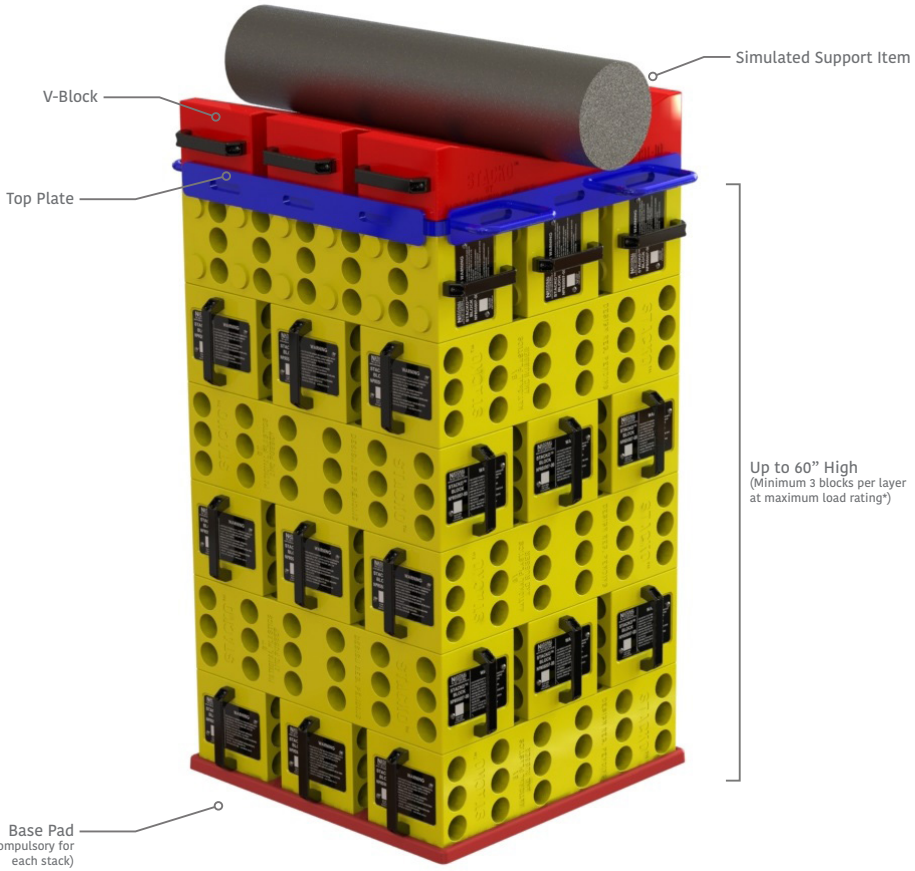
Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -58F to 104F

*Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.

STACK+TOP PLATE+V-BLOCKS

CONFIGURATION 6

Ideal for supporting high load with a curved load face. Higher loads may be possible for diameters above 15cm however you would need to perform your own Risk Assessment.



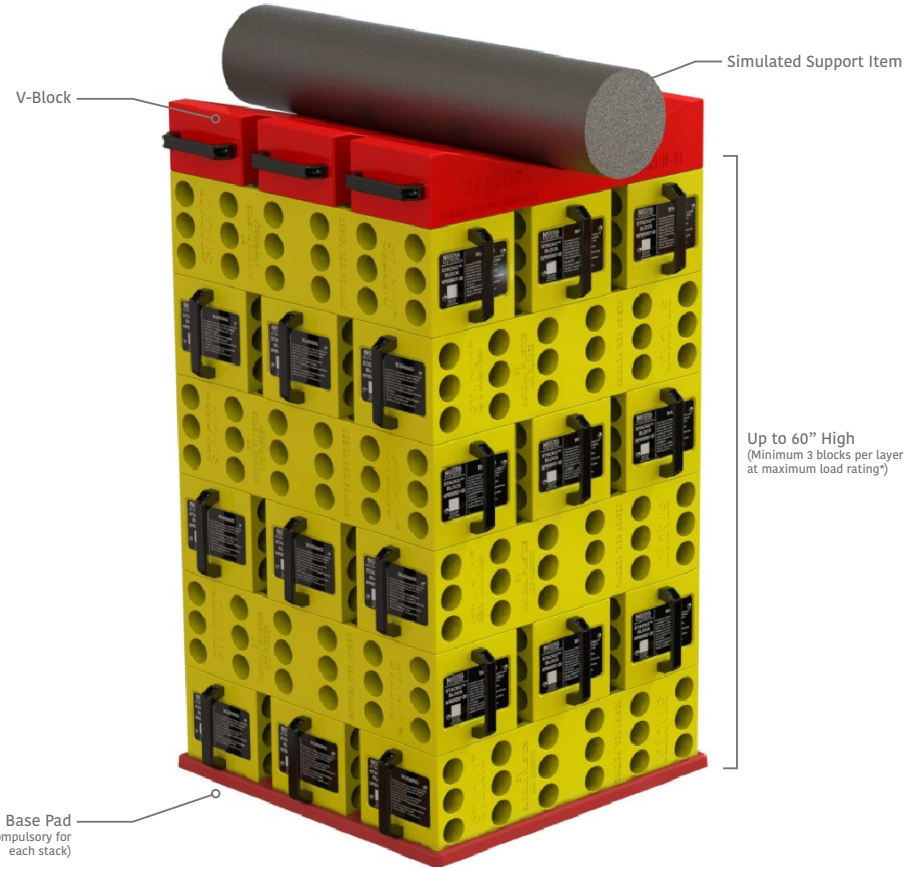
Minimum Load Diameter	Maximum Diameter	Maximum Load
Ø6inch x 6inch long	48 inches	88,000lb**

Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -58F to 104F
*Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.
**Higher load certification can be provided upon request.

STACK+V-BLOCKS

CONFIGURATION 7

V-Blocks allow support for loads with a curved base. Higher loads may be possible for diameters above 15cm however you would need to perform your own Risk Assessment.



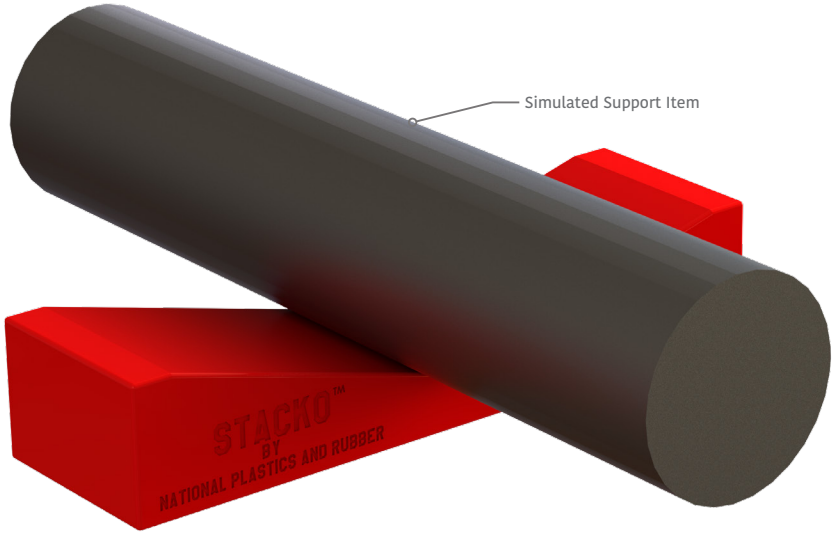
Minimum Load Diameter	Maximum Diameter	Maximum Load
Ø6inch x 6inch long	48 inches	44,000lb**

Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -58F to 104F
*Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.
**Higher load certification can be provided upon request.

SINGLE V-BLOCK

CONFIGURATION 8

Higher loads may be possible for diameters above 15cm however you would need to perform your own Risk Assessment. Custom shaped support blocks can be manufactured upon request.

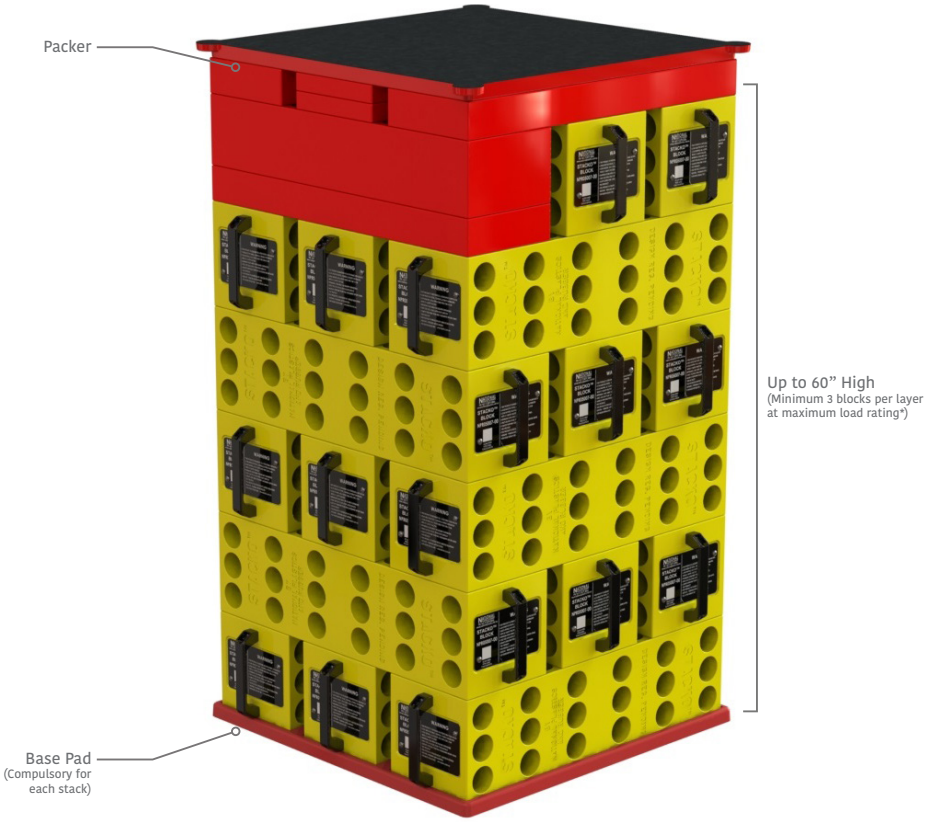


Minimum Load Diameter	Maximum Diameter	Maximum Load
Ø6inch x 6inch long	48 inches	30,500lb**

Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -58F to 104F
**Higher load certification can be provided upon request.

STACKO™ PACKERS

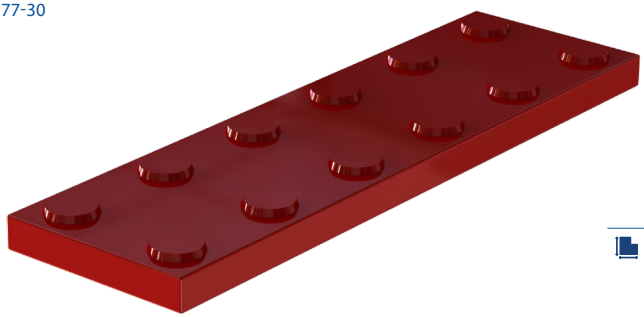
Packers are available in 3 different sizes, used to achieve various stack heights across all configurations.



*Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.

1" PACKER

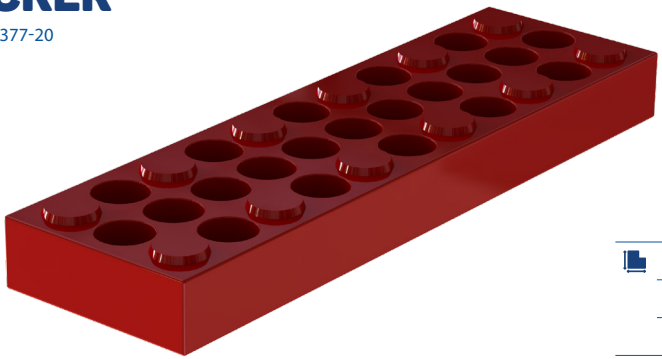
PART NO. NPR05377-30



20" L	
6" W	
1" D	
5lb	

2" PACKER

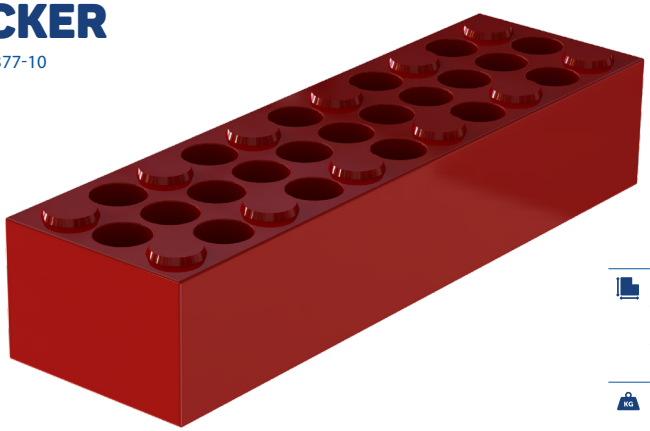
PART NO. NPR05377-20



20" L	
6" W	
2" D	
$7^{1/2}$lb	

4" PACKER

PART NO. NPR05377-10



20" L	
6" W	
4" D	
14lb	

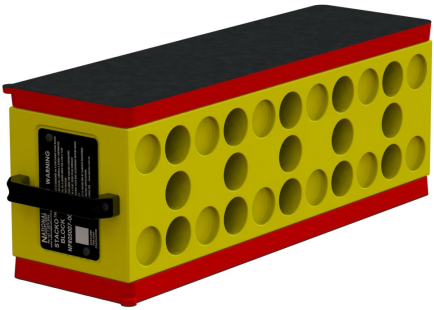
TOP OR BOTTOM PAD

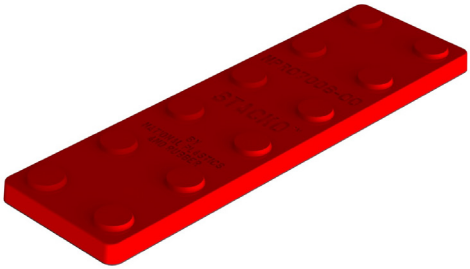
PART NO. NPR07006-00

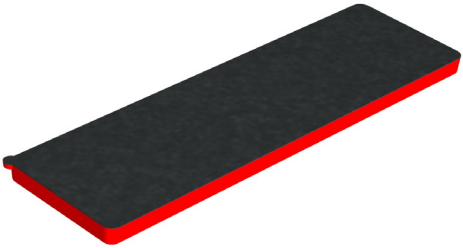
Made from softer, impact resistant materials, our top or bottom pads are designed to be used on a single block, protecting the integrity of the main block.

With Patented High Traction Top/Bottom

Aust. Pat. No. 2017228727.



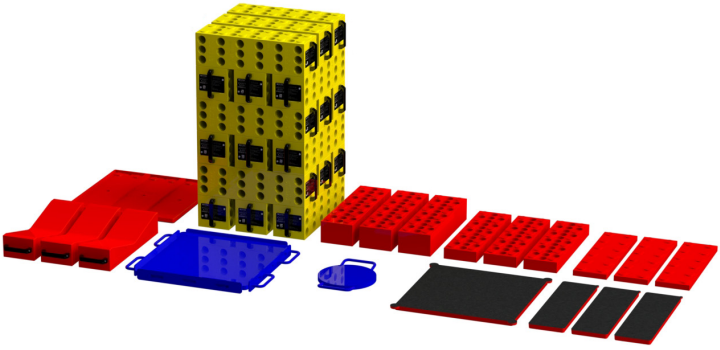




SUGGESTED START-UP KIT

ORDER AS - NPR05458-00

The suggested Start-up Kit includes components to suit a variety of different load types.



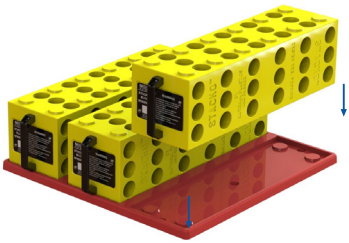
STACKO™ BLOCK PART NO. NPR05007-00	**QTY - 18**
BASE PAD PART NO. NPR05362-10 with Patented High Traction Base	**QTY - 1**
JACK PLATE PART NO. NPR05408-20	**QTY - 1**
TOP PAD PART NO. NPR05409-10 with Patented High Traction Top	**QTY - 1**
SINGLE V-BLOCK PART NO. NPR05391-10	**QTY - 3**
TOP PLATE PART NO. NPR05408-00	**QTY - 1**
PACKERS	**QTY - 3 OF EACH SIZE**
TOP OR BOTTOM PAD - SINGLE PART NO. NPR07006-00 with Patented High Traction Top/Bottom	**QTY - 4**

STACK SETUP IS QUICK & SIMPLE

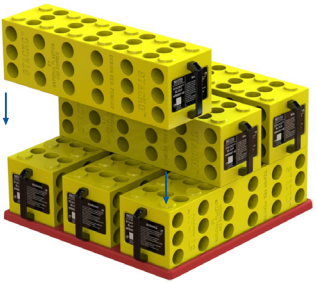
1. Inspect all components for damage and serviceability.

2. Before using these products you must perform your own risk assessment.

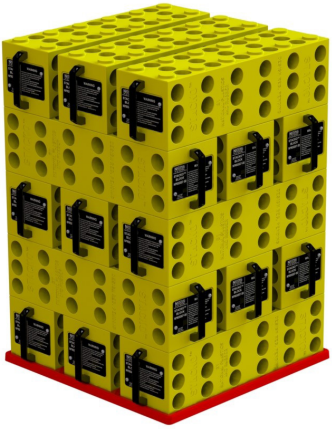
3. Position the base on a solid, level surface suitable for the expected load being supported. Place 3 Stacko™ Blocks in the Base Pad grooves to complete the first layer.



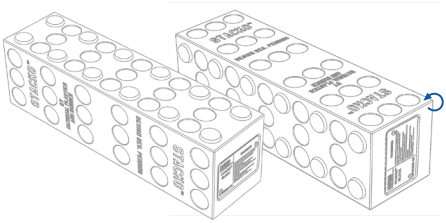
4. Begin the second layer by placing another 3 blocks in the opposite direction of the first layer.

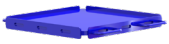
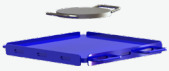
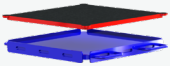
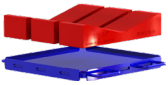


5. Simply repeat adding layers in alternating directions until the desired height is reached. Up to a maximum of 60”. Before building the top layer see the next step.



6 Depending on the stack configuration, the top layer of blocks may need to be turned on their side to allow for a flat top surface.



	 Normal (Lugs Vertical)	 Rotated 90° (Lugs Horizontal)
 Configuration 2	✗	✓
 Configuration 3	✗	✓
 Configuration 4	✓	✗
 Configuration 5	✗	✓
 Configuration 6	✗	✓
 Configuration 7	✓	✗

Note: When using Packers ensure the lugs face the correct direction for the top configuration.

 Normal (Lugs facing Up)

 Rotated 180° (Lugs facing Down)

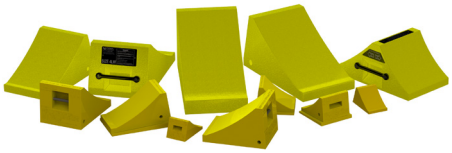
STACKO™ IN USE


793F
CAT

LOOKING FOR OTHER PRODUCTS?

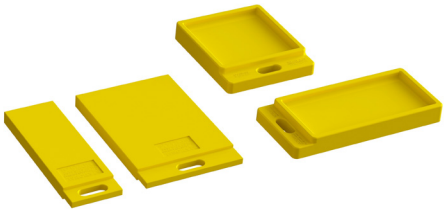
Here at National Plastics & Rubber we have been manufacturing quality Polyurethane, Industrial Plastics and Rubber products for the global Mining and Construction Industry since 1997. Take a look at some of our most popular products.

WHEEL CHOCKS



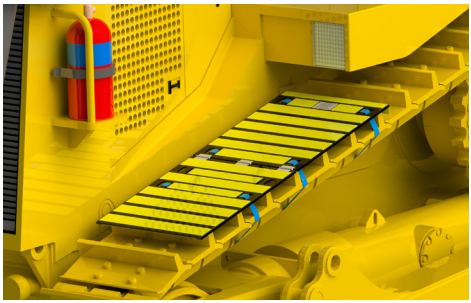
NEVAFAIL™ LED MACHINE ID

RIPPER & BLADE REST PADS

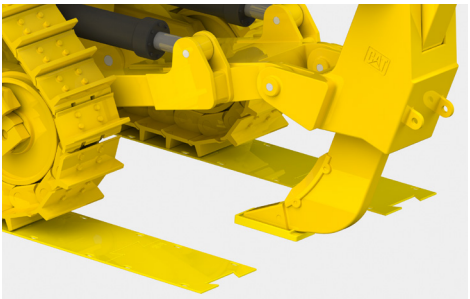


WORKSHOP WHEEL CHOCK

DOZER TRACK MATS



FLOOR PROTECTION MATS



NPRMINING.COM

Email info@nprmining.com Phone 519-913-1911

National Plastics & Rubber has the experience and knowledge necessary to meet your needs.

National Plastics & Rubber promotes safe working practices therefore, performing your own risk assessment is essential before using these products.

We specialise in polyurethane, rubber and industrial plastics design and manufacturing for the mining, automotive and manufacturing industries.

Stacko™ Blocks