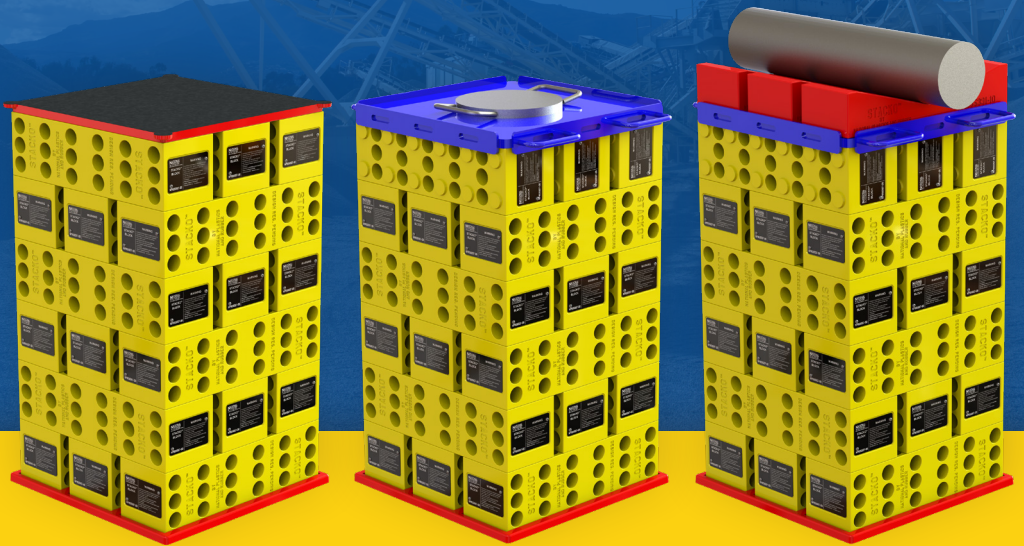


NATIONAL
PLASTICS & RUBBER

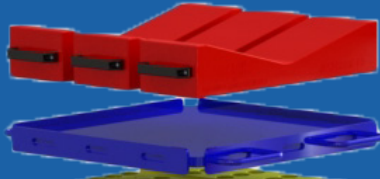


STACKO™
BLOCKS

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

LOAD RATED

LABORATORY AND
INDEPENDENTLY
TESTED



MULTIPLE CONFIGURATIONS
TO SUIT DIFFERENT LOADS

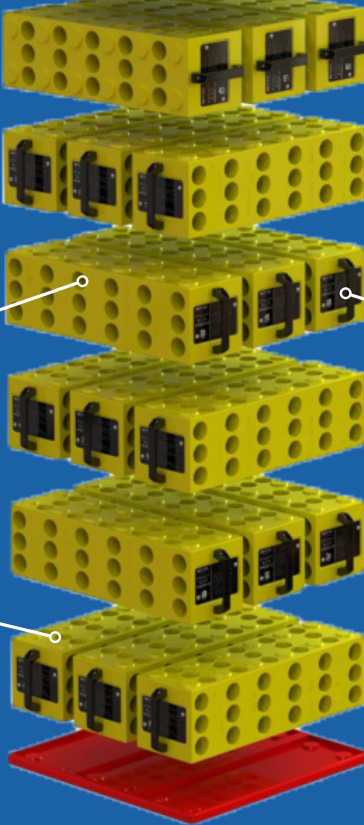
UV STABILISED

LIGHT WEIGHT

UP TO 30% LIGHTER THAN
TIMBER AND OTHER
PRODUCTS

TOUGH AND SAFE

INTERLOCKING DESIGN
FOR ADDED SAFETY



STACK UP TO 150CM
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, 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 and independent testing.

STACKO™ BLOCK

PART NO. NPR05007-00

Used in Examples 1 - 7.

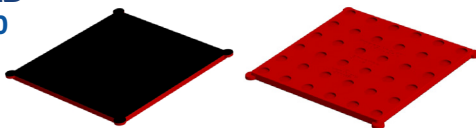


	510mm L
	150mm W
	150mm D
	8kg

STANDARD TOP PAD

PART NO. NPR05409-10

With Patented High
Traction Top.
Used in Example 4 & 5.
Aust. Pat. No. 2017228727

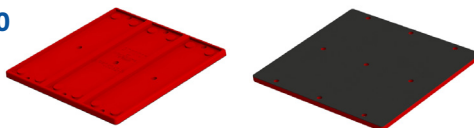


	546mm L
	546mm W
	22mm D
	6.5kg

STANDARD BASE PAD

PART NO. NPR05362-10

With Patented High
Traction Base.
Used in Examples 2-7 or
when forming any stack.

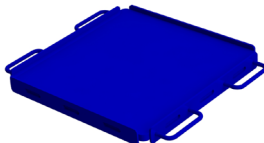


	535mm L
	535mm W
	22mm D
	4.5kg

STANDARD TOP PLATE

PART NO. NPR05408-00

Used in Example 2 & 3
For 3 block stacks.



	644mm L
	520mm W
	50mm D
	42kg

DOUBLE TOP PAD

PART NO. NPR08166-00

With Patented High
Traction Base.
Refer page 14.

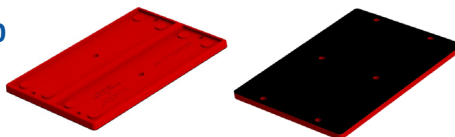


	515mm L
	334mm W
	21mm D
	4kg

DOUBLE BASE PAD

PART NO. NPR08164-00

With Patented High
Traction Top.
Refer page 14.

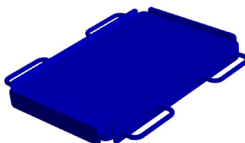


	535mm L
	356mm W
	22mm D
	3.1kg

DOUBLE TOP PLATE

PART NO. NPR08165-00

With Patented High
Traction Base when
forming double stack.



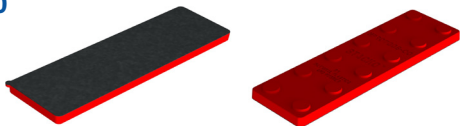
	520mm L
	464mm W
	50mm D
	31.7kg

SINGLE TOP OR BOTTOM PAD

PART NO. NPR07006-00

With Patented High Traction Base.

Aust. Pat. No. 2017228727



	514mm L
	153mm W
	21mm D
	2kg

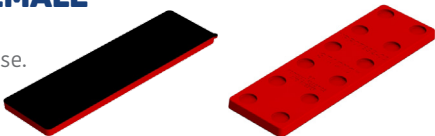
SINGLE TOP PAD - FEMALE

PART NO. NPR07692-00

With Patented High Traction Base.

For use with Single Top Plate.

See page 15.

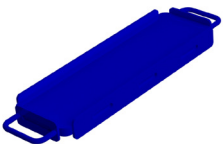


	514mm L
	153mm W
	21mm D
	1.9kg

SINGLE TOP PLATE

PART NO. NPR08167-00

For single stack use.



	640mm L
	160mm W
	50mm D
	15.8kg

JACK PLATE

PART NO. NPR05408-20

Used in configuration 3 with 3 Block or double stacks.



	393mm L
	250mm W
	25mm D
	8kg

SINGLE V-BLOCK

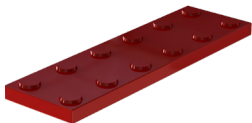
PART NO. NPR05391-10

Used in Example 8.



	510mm L
	150mm W
	100mm D
	6.6kg

PACKERS



PART NO.
NPR05377-30

2.5cm 2.3kg



PART NO.
NPR05377-20

5cm 3.5kg



PART NO.
NPR05377-10

10cm 6.5kg

	510mm L
	150mm W

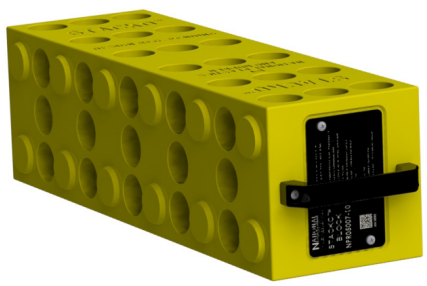
SUGGESTED CONFIGURATIONS

SINGLE STACKO™ BLOCK

EXAMPLE 1

Used as a single block/s.

Maximum Load Rating at Minimum Loading Area	Maximum Load
Round - Ø10cm	23,000kg
Square - 10cm x 10cm	
Area - 100cm ²	Load Rating
	30kg/cm ²



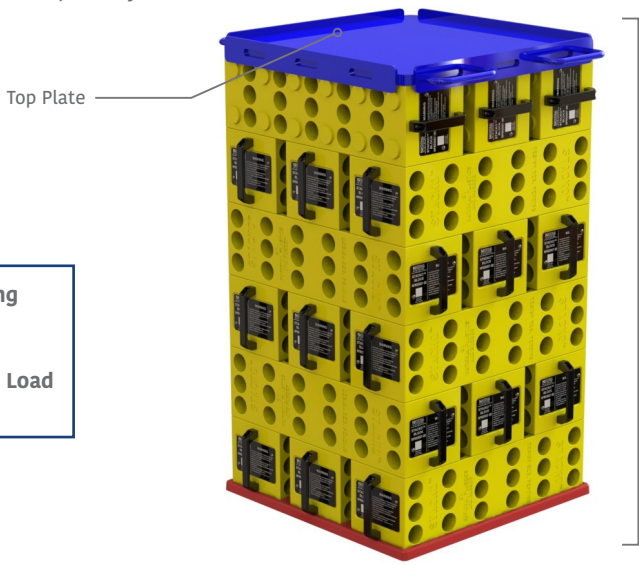
STACK+TOP PLATE

EXAMPLE 2

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

* All parts sold separately.

Load Rating
100kg/cm ²
Maximum Load
60,000kg



Up to 150cm High
(Minimum 3 blocks per layer at maximum load rating)

Tested to AS1170.0 2002 with 3:1 load safety factor at temperature range of -50°C (-58°F) to +40°C (104°F) non ambient. Example only. Please perform your own risk assessment. All parts available in Stacko™ Start-up Kit (NPR05458-00).

STACK+TOP PLATE+JACK PLATE

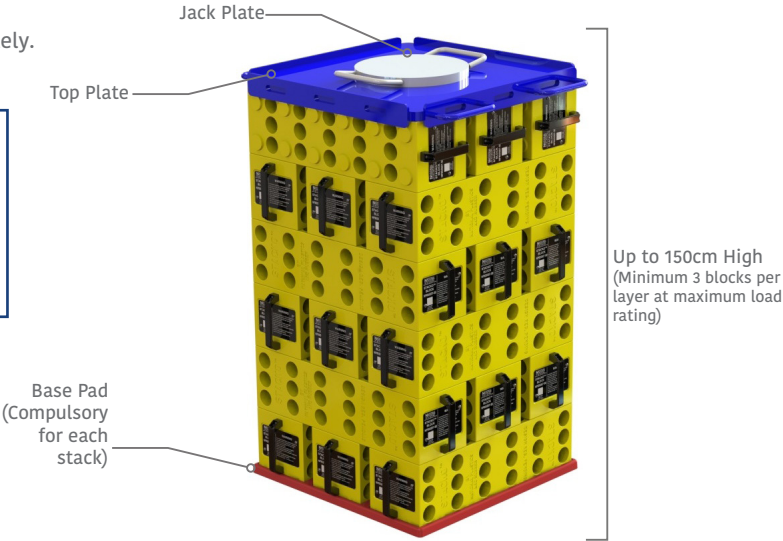
EXAMPLE 3

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

* All parts sold separately.

Jack Plate
Ø250mm

Maximum Load when using Jack Plate
60,000kg



STACK+TOP PAD

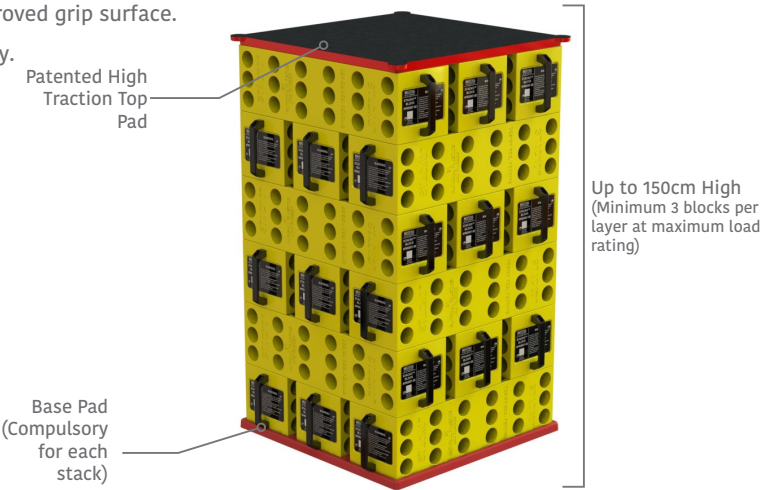
EXAMPLE 4

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

* All parts sold separately.

Load Rating
30kg/cm²

Maximum Load
60,000kg



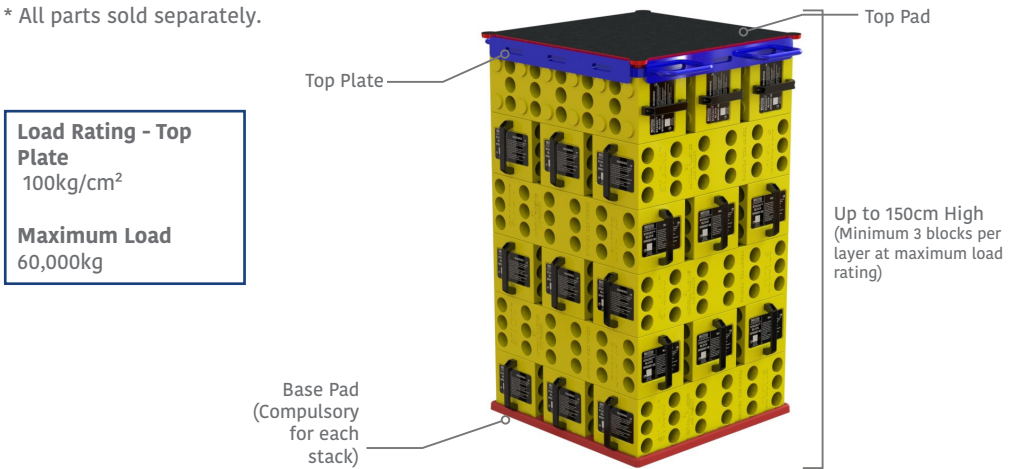
Tested to AS1170.0 2002 with 3:1 load safety factor at temperature range of -50°C (-58°F) to +40°C (104°F) non ambient. DO NOT USE 2 Blocks per layer when building a stack. Always use 3 block layers. Example only - perform your own risk assessment. All parts available in Stacko™ Start-up Kit (NPR05458-00).

STACK+TOP PLATE+TOP PAD

EXAMPLE 5

With the steel Top Plate and 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.

* All parts sold separately.



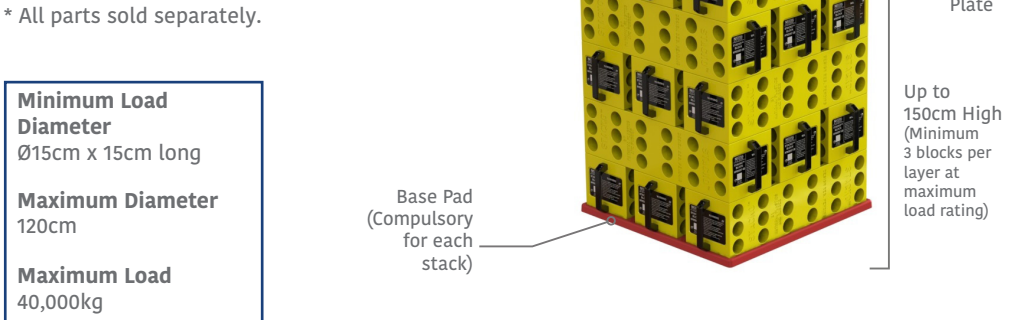
STACK+TOP PLATE+V-BLOCKS

EXAMPLE 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.

Using the Steel Top Plate allows increased point loading to 100kg/cm². Please note, this doesn't increase the overall load rating for the block or stack. The Steel Top Plate distributes the load over the Stacko Configuration evenly.

* All parts sold separately.



Tested to AS1170.0 2002 with 3:1 load safety factor at temperature range of -50°C (-58°F) to +40°C (104°F) non ambient. DO NOT USE 2 Blocks per layer when building a stack. Always use 3 block layers. Example only - perform your own risk assessment. All parts available in Stacko™ Start-up Kit (NPR05458-00).

DOUBLE STACK CONFIGURATIONS

* All parts sold separately.

* Up to 4 blocks high.

DOUBLE BASE PAD + DOUBLE TOP PAD

DOUBLE BASE PAD: PART NO. NPR08164-00

DOUBLE TOP PAD: PART NO. NPR08166-00

Suitable for larger load areas with no point loading. Slip-resistant Double Top Pad provides an improved grip surface.

With Patented High Traction Top/Bottom.

Aust. Pat. No. 2017228727



DOUBLE BASE PAD + DOUBLE TOP PLATE

DOUBLE BASE PAD: PART NO. NPR08164-00

DOUBLE TOP PLATE: PART NO. NPR08165-00

Multi-purpose stack used where load area fits within the Double Top Plate edge.



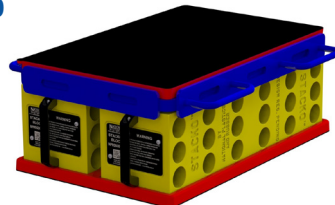
DOUBLE BASE PAD + DOUBLE TOP PLATE + DOUBLE TOP PAD

DOUBLE BASE PAD: PART NO. NPR08164-00

DOUBLE TOP PLATE: PART NO. NPR08165-00

DOUBLE TOP PAD: PART NO. NPR08166-00

This is a high load stack that provides an improved grip surface. Suitable for load areas larger than the Double Top Plate.



Tested to AS1170.0 2002 with 3:1 load safety factor at temperature range of -50°C (-58°F) to +40°C (104°F)
Examples only - perform your own risk assessment. Maximum 46 ton.

SINGLE STACK CONFIGURATIONS

* All parts sold separately.

* Up to 3 blocks high.

SINGLE TOP + BOTTOM PAD

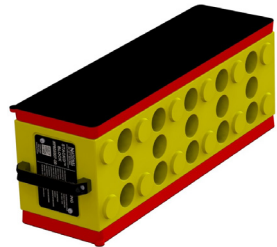
SINGLE TOP OR BOTTOM PAD: PART NO. NPR07006-00

Suitable for larger load areas with no point loading. Slip-resistant

Single Top Pad provides an improved grip surface.

With Patented High Traction Top/Bottom.

Aust. Pat. No. 2017228727



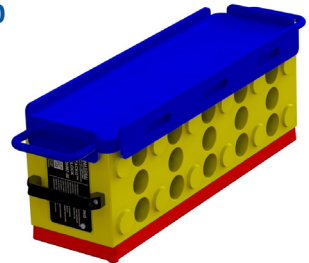
SINGLE BOTTOM PAD + SINGLE TOP PLATE

SINGLE TOP OR BOTTOM PAD: PART NO. NPR07006-00

SINGLE TOP PLATE: PART NO. NPR08167-00

Multi-purpose stack used where load area fits within the

Single Top Plate edge.



SINGLE BOTTOM PAD + SINGLE TOP PLATE + SINGLE TOP PAD FEMALE

SINGLE TOP OR BOTTOM PAD: PART NO. NPR07006-00

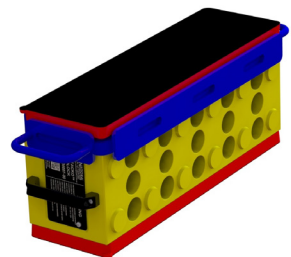
SINGLE TOP PLATE: PART NO. NPR08167-00

SINGLE FEMALE TOP PAD: PART NO. NPR07692-00

This is a high load stack that provides an improved grip surface.

Suitable for load areas larger than the Single Top Plate.

Use Single Top Pad Female with Single Top Plate.



Tested to AS1170.0 2002 with 3:1 load safety factor at temperature range of -50°C (-58°F) to +40°C (104°F)
Examples only - perform your own risk assessment. Maximum 23 ton.

SUGGESTED START-UP KIT

PART NO. NPR05458-00

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

START UP KIT CONTAINS:

18 - STACKO™ BLOCKS

1 - STANDARD BASE PAD

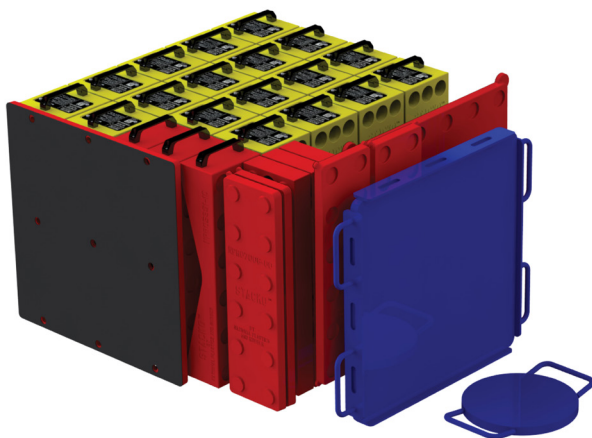
1 - JACK PLATE

3 - V-BLOCKS

1 - STANDARD TOP PLATE

9 - PACKERS (3 OF EACH SIZE)

4 - SINGLE TOP OR BOTTOM PAD



STACKO™ TROLLEY - SOLD SEPERATELY

PART NO. NPR05369-00

Trolley to suit Start-up Kit. Made from heavy duty steel construction, can be supplied assembled or flat pack.



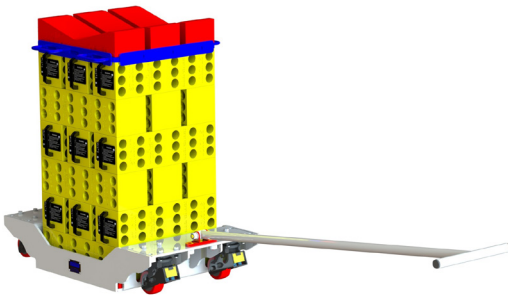
STACKO™ SAFE BUILD TROLLEY

PART NO. NPR07829-00

Eliminate the need to go under suspended loads with our Safe Build Trolley. With retractable wheels and a multi-position handle, moving your stack in and out of place is now easier than ever.



>> Build your stack away from machines and wheel into position using the removable handle



>> Once in position, the wheels will retract under a load, providing the stack with a secure base plate

>> When the load is released, use the removable handle to move and reposition as required



STACKO™ LOAD RATING GUIDE

As a guide, each Stacko™ Block is rated to withstand an evenly distributed static load of 30kg/cm² with minimum load area of 100cm².

Round load: 1cm² = 30kg



Load rating = area x 30kg

Examples of load ratings:

DIAMETER	AREA	LOAD RATING
12cm	113cm	3,390kg
16cm	201cm	6,000kg
20cm	314cm	9,420kg
25cm	491cm	14,700kg
30cm	707cm	21,200kg
35cm	962cm	28,800kg
40cm	1,256cm	37,700kg
45cm	1,590cm	47,700kg
50cm	1,963cm	58,900kg

Load rating = A x B x kg



STACKO™ STACK WITH HIGH TRACTION TOP PAD AND BASE PAD.

>> Load rating: 30kg/cm²

>> Maximum load capacity 60 ton

>> < 2% deflection at maximum load

>> Tested between -50°C to +40°C non ambient

>> Safety factor 3:1

Quadrilateral load: 1cm² = 30kg



Load rating = A x B x 30kg

Examples of load ratings:

SIDE A	SIDE B	AREA	LOAD RATING
10cm	10cm	100cm	3,000kg
15cm	15cm	225cm	6,750kg
20cm	20cm	400cm	12,000kg
25cm	25cm	625cm	18,750kg
30cm	30cm	900cm	27,000kg
35cm	35cm	1,225cm	36,750kg
40cm	40cm	1,600cm	48,000kg
44.7cm	44.7cm	2,000cm	60,000kg

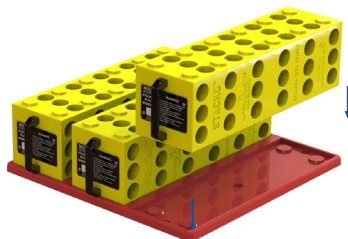


Example shown is CAT 785C.
Weight supported by Stacko™ is 29,597kg.

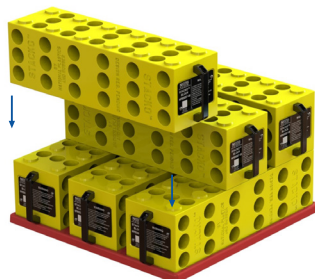
Your own risk assessment must be carried out prior to using this product.
For further information refer to the Stacko™ User Guide or contact National Plastics & Rubber.

STACK SETUP IS QUICK AND SIMPLE

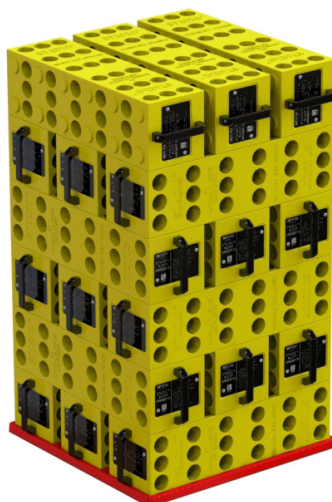
- 1** Inspect all components for damage and serviceability.
- 2** Before using these products you must perform your own risk assessment.
- 3** Position the base on a solid, level surface suitable for the expected load being supported. Place 3 Stacko™ Blocks in the Base Pad grooves to complete the first layer.



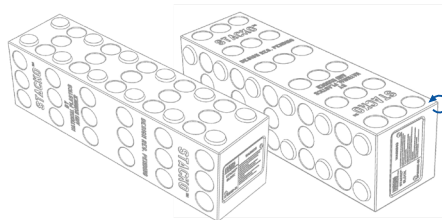
- 4** Begin the second layer by placing another 3 blocks in the opposite direction of the first layer.



- 5** Simply repeat adding layers in alternating directions until the desired height is reached. Up to a maximum of 150cm. Before building the top layer see Step 6.



- 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)

CRIBBING BLOCK COMPARISON GUIDE

Things to carefully consider.

	STACKO™ BLOCKS	PLASTIC CRIBBING BLOCKS	TIMBER
Safety factor:	3:1	Unknown	Unknown
Temperature testing range:	-50°C to +40°C non ambient	+25°C	Unknown
Low temperature performance (-50°C):	Stable - load rating applies	Load rating unknown - may fracture	Unknown
High temperature performance (+40°C):	Stable - load rating applies	Load rating unknown	Unknown
Tested as:	Single block and crib 150cm high	Single block only	Unknown
Testing standard:	AS1170 (standard for jacks & stands)	Unknown	Unknown
Deflection at maximum load:	<2%	up to 20%	Unknown
Material:	Consistent virgin material	Recycled plastics - made up of unknown material	Unknown
Weight:	8kg	12kg	Unknown
Storage:	UV stabilised - store outside or inside	Internal storage only	Internal storage only
Load rating:	30kg/cm ² (3:1 safety factor)	58kg/cm ² (allow up to 10% reduction for recycled material)	Unknown

WHY STACKO™?

NATIONAL

PLASTICS & RUBBER

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

NATIONALPLASTICS.NET.AU

Email info@nationalplastics.net.au **Phone** 07 3279 3066

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.