



# **B** PLANT AND SITE MAINTENANCE SUPPORT



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**PLANT AND SITE MAINTENANCE SUPPORT****INDEX**

<b>INFRASTRUCTURE SOLUTIONS</b>	<b>///</b>	<b>5 - 27</b>
<b>CDEC PROCESS</b>	<b>///</b>	<b>6</b>
<b>BOLLARDS AND BARRICADES</b>	<b>///</b>	<b>7 - 9</b>
<b>PERSONNEL GATES</b>	<b>///</b>	<b>10 - 14</b>
<b>VEHICLE GATES</b>	<b>///</b>	<b>15 - 17</b>
<b>SITE HANDRAILING</b>	<b>///</b>	<b>18 - 19</b>
<b>GUARDING</b>	<b>///</b>	<b>20 - 21</b>
<b>BARRIERS</b>	<b>///</b>	<b>22</b>
<b>LADDERS AND HOSE REELS</b>	<b>///</b>	<b>23</b>
<b>SHEDDERS</b>	<b>///</b>	<b>24 - 25</b>
<b>PIT LIDS</b>	<b>///</b>	<b>26</b>
<b>GRATING AND FENCING</b>	<b>///</b>	<b>27</b>
<b>TRANSFORMING ACCESS AND INSPECTION DOOR SAFETY</b>	<b>///</b>	<b>28 - 43</b>
<b>WEAR SYSTEM</b>	<b>///</b>	<b>44</b>

**PLANT AND SITE MAINTENANCE SUPPORT****INDEX**

<b>WEAR PANEL ASSEMBLY</b>	<b>///</b>	<b>45</b>
<b>STOCK WEAR PLATES</b>	<b>///</b>	<b>46 - 47</b>
<b>DONUTS / WEAR BUTTONS</b>	<b>///</b>	<b>48</b>
<b>WEAR STRIPS</b>	<b>///</b>	<b>49</b>
<b>WEAR BARS</b>	<b>///</b>	<b>50</b>
<b>GRIZZLY BARS</b>	<b>///</b>	<b>51</b>
<b>FIXED PLANT SOLUTIONS</b>	<b>///</b>	<b>53 - 55</b>
<b>SCAFFOLD PLATFORMS</b>	<b>///</b>	<b>56</b>
<b>FIXED PLANT PLATFORMS</b>	<b>///</b>	<b>57 - 69</b>
<b>CONVEYOR PLATFORMS</b>	<b>///</b>	<b>70</b>
<b>GENERAL PLATFORMS</b>	<b>///</b>	<b>71 - 76</b>
<b>CONVEYOR PRODUCT RANGE</b>	<b>///</b>	<b>77 - 80</b>
<b>WORKSHOP TRESTLES</b>	<b>///</b>	<b>81 - 84</b>
<b>WORKSHOP EQUIPMENT - BENCHES AND CUTTING TABLES</b>	<b>///</b>	<b>85 - 90</b>

**PLANT AND SITE MAINTENANCE SUPPORT****INDEX**

<b>EFFICIENCY STATIONS</b>	<b>///</b>	<b>91 - 93</b>
<b>WORKSHOP EQUIPMENT - STORAGE BENCHES</b>	<b>///</b>	<b>94</b>
<b>WORKSHOP EQUIPMENT - STORAGE CONTAINERS</b>	<b>///</b>	<b>95 - 98</b>
<b>WORKSHOP EQUIPMENT - STORAGE RACKS</b>	<b>///</b>	<b>99 - 106</b>
<b>WORKSHOP EQUIPMENT - WORKSTANDS 1 - 15 TONNES</b>	<b>///</b>	<b>107 - 110</b>
<b>WORKSHOP EQUIPMENT - WORKSTANDS 16 - 30 TONNES</b>	<b>///</b>	<b>111 - 112</b>
<b>WORKSHOP EQUIPMENT - WORKSTANDS 31 - 60 TONNES</b>	<b>///</b>	<b>113 - 114</b>
<b>WORKSHOP EQUIPMENT - WORKSTANDS 80+ TONNES</b>	<b>///</b>	<b>115 - 116</b>
<b>BEND-TECH STEEL RANGE</b>	<b>///</b>	<b>118 - 141</b>
<b>UNI BEANS</b>	<b>///</b>	<b>119 - 121</b>
<b>UNI COLUMNS</b>	<b>///</b>	<b>122 - 123</b>

## PLANT AND SITE MAINTENANCE SUPPORT

# INDEX

<b>CHANNELS</b>	<b>///</b>	<b>124</b>
<b>RHS BLACK</b>	<b>///</b>	<b>125 - 128</b>
<b>RHS GALVANISED</b>	<b>///</b>	<b>129 - 130</b>
<b>FLAT BAR</b>	<b>///</b>	<b>131 - 133</b>
<b>DURAGAL FLAT</b>	<b>///</b>	<b>133</b>
<b>ANGLES</b>	<b>///</b>	<b>134 - 135</b>
<b>DURAGAL ANGLES</b>	<b>///</b>	<b>135</b>
<b>BLACK PIPE</b>	<b>///</b>	<b>136</b>
<b>SOLID BAR ROUND, SQUARE AND DEFORM BAR</b>	<b>///</b>	<b>137</b>
<b>GALVANISED PIPE</b>	<b>///</b>	<b>138</b>
<b>PIPE GRADE 250</b>	<b>///</b>	<b>139 - 140</b>
<b>PLATE GRADE 350</b>	<b>///</b>	<b>141</b>
<b>FLOOR PLATE</b>	<b>///</b>	<b>141</b>
<b>OPERATIONAL EFFICIENCY</b>	<b>///</b>	<b>142 - 150</b>



# INFRASTRUCTURE SOLUTIONS

 [www.bendtechgroup.com.au](http://www.bendtechgroup.com.au)



# WE OFFER A FULL CONSULTING, 3D SCANNING AND ENGINEERING SERVICE

Projects and the associated challenges often require custom solutions, we take pride in our CDEC system. Consultation, Design, Engineering and Construction is our holistic approach to solution development making maintenance on-site safe, efficient and easy.

## CDEC PROCESS



**CONSULTATION** We come to you and visit your site to get a hands-on feel for your project. The aim of our consultation is to listen to and understand your requirements. If the project requires it, our 3D scanning capabilities will streamline measurement and data capture. This approach allows us to develop and discuss with you on-site, possible solutions to your problem, and the benefits we can offer.



**DESIGN** After the consultation we go back to our design team to begin the development of your custom solution. Our team produce designs in CAD Design complete with all drafting documentation ensuring an advanced manufacturing process. Our process allows and encourages you to be involved in the design stage and collaborate with our highly skilled team.

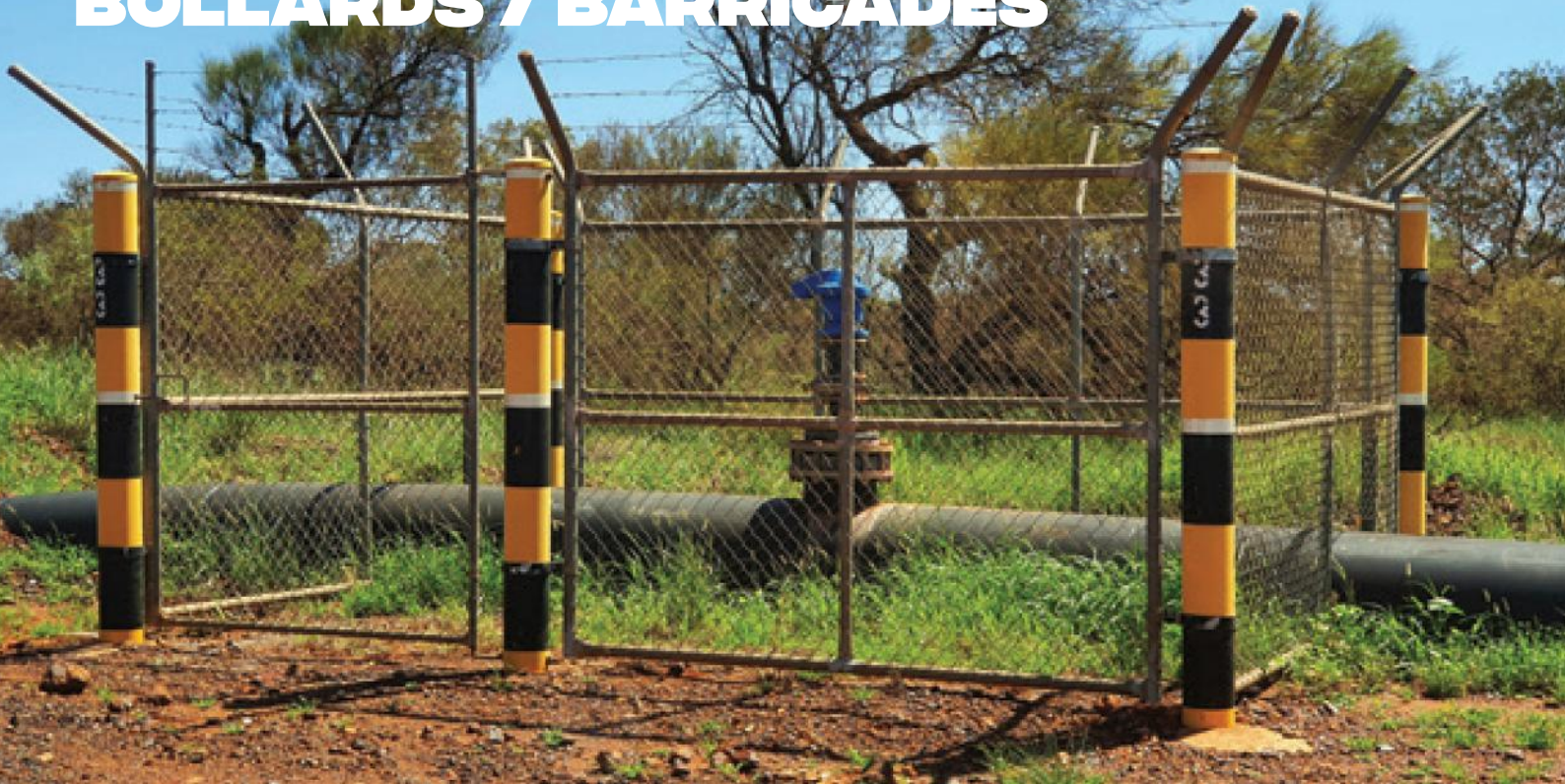


**ENGINEERING** Once the design is approved, we begin the development and engineering process. This ensures that the right material is used for your project to guarantee structural and functional integrity. We provide full certification that includes WLL, load ratings, integrity reports as well as certificate plates and identifications. We design and engineer all our solutions to ensure full compliance to ensure full compliance with Australian standards.



**CONSTRUCTION** Finally, once the project is ready and certified for construction, we manufacture your solution. We test, machine, fabricate and surface treat as well as trial fit your custom project. We only manufacture high quality products that provide long lasting, safe and efficient solutions.

# INFRASTRUCTURE SOLUTIONS BOLLARDS / BARRICADES



Site bollards designed to aid in traffic and area management.

## CONSTRUCTION

- Heavy-duty steel
- Blasted and high-performance coated



**BOLLARD 50NB 1200MM**  
Part No. 55015161



**BOLLARD 50NB 1200MM  
+ SIGN MOUNT**  
Part No. 55015162

**INFRASTRUCTURE SOLUTIONS**  
**BOLLARDS / BARRICADES**



**BOLLARD 65NB 1200MM**  
Part No. 5501332



**BOLLARD 100NB 1200MM**  
Part No. 5501331



**BOLLARD 1200MM**  
Part No. 5500919



**BOLLARD 1200MM**  
**SURFACE MOUNTED**  
Part No. 5501482

# INFRASTRUCTURE SOLUTIONS

## BOLLARDS / BARRICADES



**BOLLARD 1400MM**  
Part No. 5503236



**BOLLARD 1410MM**  
Part No. 5502963

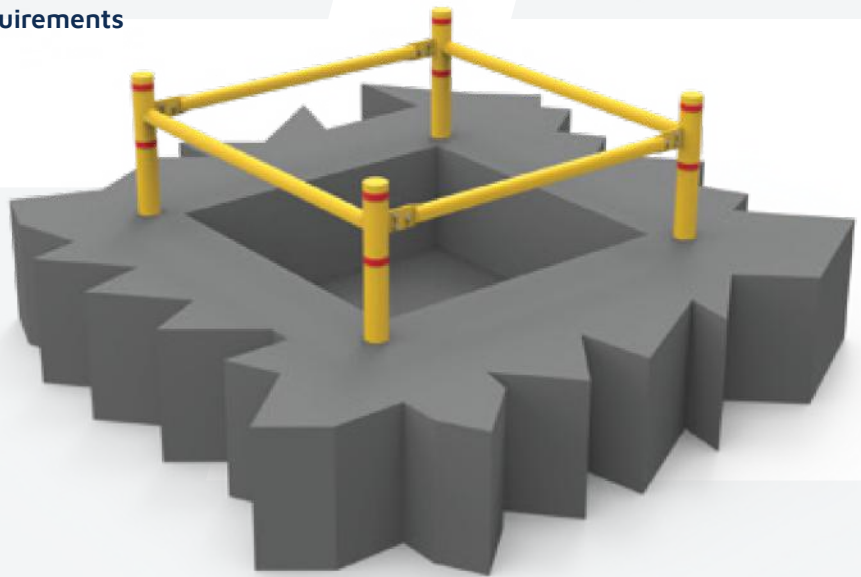
A fully removable barricade system designed to be installed around pits for safety.

### CONSTRUCTION

- Heavy-duty steel
- Can be customised to suit your requirements
- Blasted and finished in your site requirements
- Signage and markings available

### REMOVABLE PIT BARRICADE

Part No. 5501805





# PERSONNEL GATES

# INFRASTRUCTURE SOLUTIONS

## PERSONNEL GATES



**SELF-CLOSING GATE 850MM**  
Part No. 55007241



**SELF-CLOSING GATE 870MM**  
Part No. 55007242

Site and plant gates designed to aid in personnel and area management.

### CONSTRUCTION

- Heavy-duty steel
- Blasted and high-performance coated



**SELF-CLOSING GATE 960MM**  
Part No. 55007243



**SELF-CLOSING GATE 1050MM**  
Part No. 55007245

## INFRASTRUCTURE SOLUTIONS PERSONNEL GATES



**SELF-CLOSING GATE 1000MM**  
Part No. 55007244



**SWING GATE 800MM**  
Part No. 5502994

Site and plant gates designed to aid in personnel and area management.

### CONSTRUCTION

- Heavy-duty steel
- Blasted and high-performance coated



**SWING GATE 820MM**  
Part No. 5502999



**SELF-CLOSING GATE  
WITH HANDRAIL**  
Part No. 5502640

# INFRASTRUCTURE SOLUTIONS PERSONNEL GATES



**SELF-CLOSING GATE**  
**1000MM (H) X 650MM (W)**  
Part No. 5503238



**SPRING LOADED GATE**  
**960MM (H) X 720MM (W)**  
Part No. 5502838

Site and plant gates designed to aid in personnel and area management.

### CONSTRUCTION

- Heavy-duty steel
- Blasted and high-performance coated



**SELF-CLOSING GATE**  
**1020MM (H) X 1075MM (W)**  
Part No. 5502638

“ **MAKING  
MAINTENANCE  
ON-SITE SAFE,  
EFFICIENT AND  
EASY** ”

## INFRASTRUCTURE SOLUTIONS PERSONNEL GATES



**ROCK BREAKER GATE  
AND HANDRAIL 1000MM**  
Part No. 5502995



**PRIMARY CRUSHER GATES**  
Part No. 5503253

Site and plant gates designed to aid in personnel and area management.

### CONSTRUCTION

- Heavy-duty steel
- Blasted and high-performance coated



**MOBILE BARRICADE  
CART 1100MM**  
Part No. 5503530



**MOBILE PEDESTRIAN  
GATE 2449MM**  
Part No. 5502072

## INFRASTRUCTURE SOLUTIONS

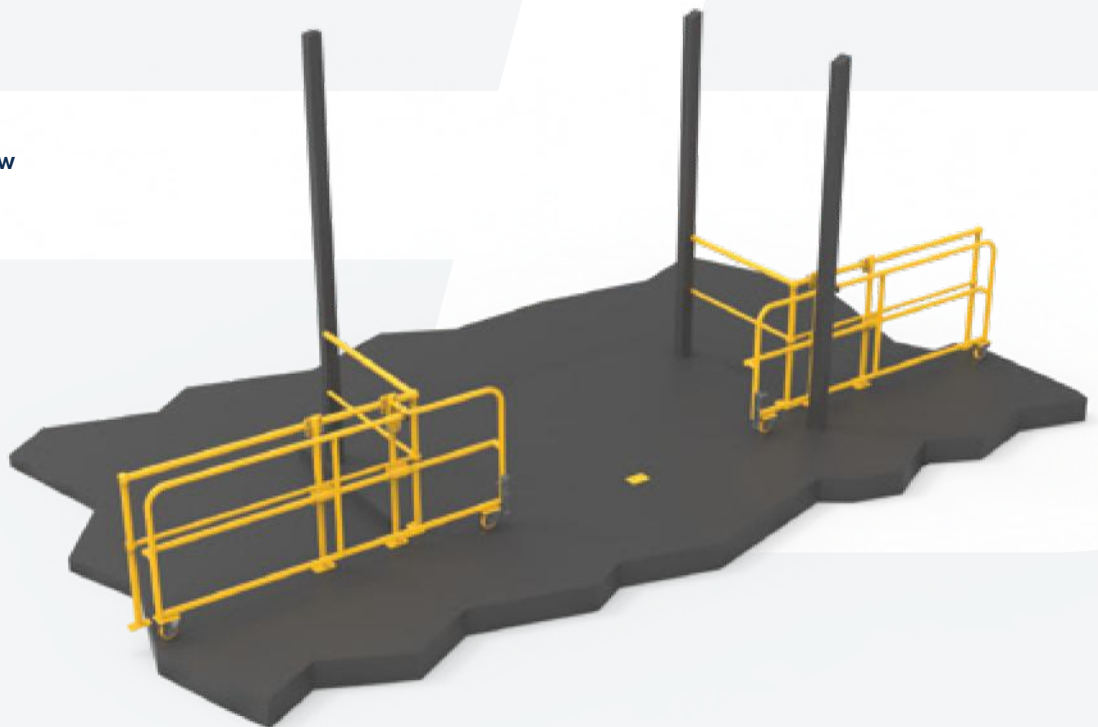
# VEHICLE GATES



Sliding Gates designed and engineered for safe, efficient and easy maintenance. Certified and compliant with Australian Standards. We can custom design and build a sliding gate system to suit your requirements.

### CONSTRUCTION

- Heavy-duty steel
- German made wheels
- Drop locks
- Heavy-duty guide systems
- Finished in Y-14 safety yellow
- Bolt to existing handrails



**SLIDING GATES**  
Part No. 5502379

## INFRASTRUCTURE SOLUTIONS VEHICLE GATES



**BOOM GATES**  
Part No. 5001974

Site and plant gates designed to aid in personnel and area management. Our gates can be completely customised to suit your requirements.

### CONSTRUCTION

- Heavy-duty steel
- Blasted and high-performance coated



**ACCESS GATE 7000MM**  
Part No. 5503264

## INFRASTRUCTURE SOLUTIONS

# VEHICLE GATES

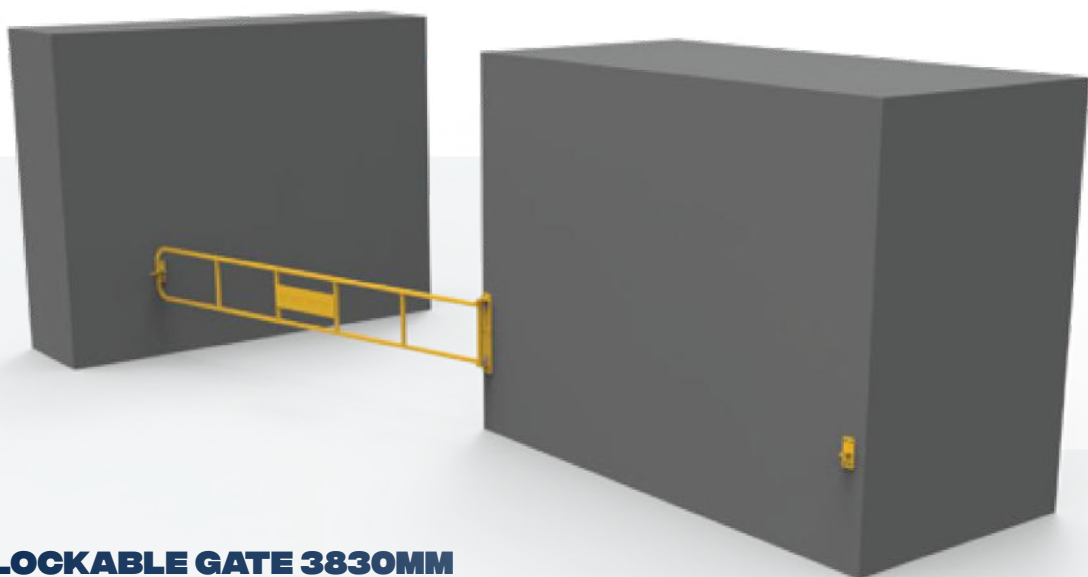


**LOCKABLE GATE 2430MM**  
Part No. 5503367

Site and plant gates designed to aid in personnel and area management. Our gates can be completely customised to suit your requirements.

### CONSTRUCTION

- Heavy-duty steel
- Blasted and high-performance coated



**LOCKABLE GATE 3830MM**  
Part No. 5503366

INFRASTRUCTURE SOLUTIONS  
SITE HANDRAILING



Site and plant gates designed to aid in personnel and area management. We can supply site handrails and gates to suit your requirements and ensure the safety of your operators, fabricated as per site requirements.

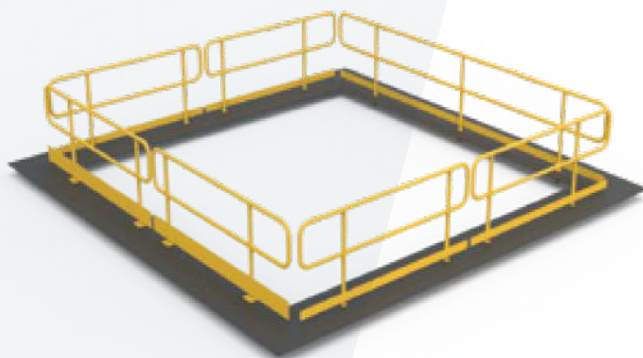
**CONSTRUCTION**

- Heavy-duty steel
- Blasted and high-performance coated



**SELF-CLOSING GATE  
WITH HANDRAIL**

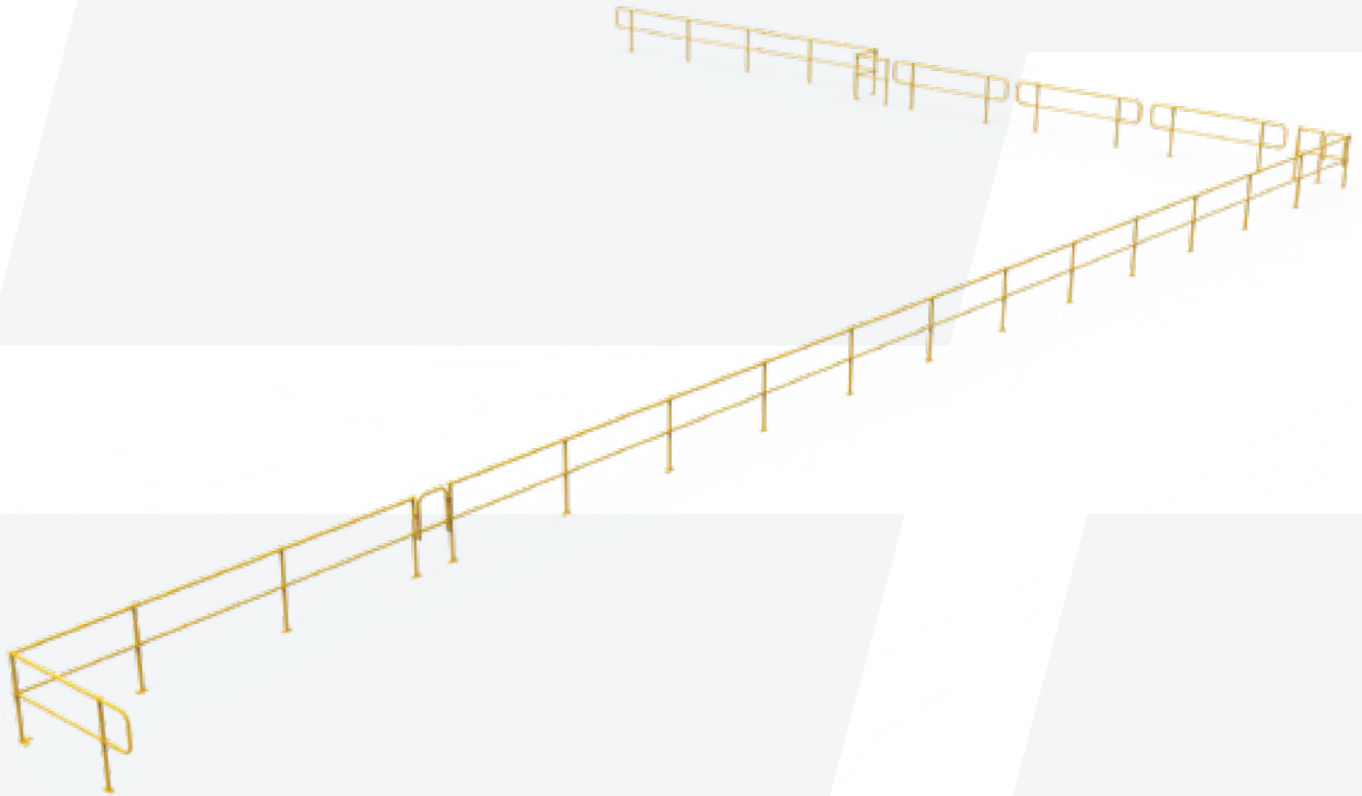
Part No. 5502640



**PIT HANDRAILS**

Part No. 5501762

# INFRASTRUCTURE SOLUTIONS SITE HANDRAILING



**SITE HANDRAILS**  
Part No. 5502863



**HANDRAIL AND SELF-CLOSING GATE 1000MM**  
Part No. 5502641

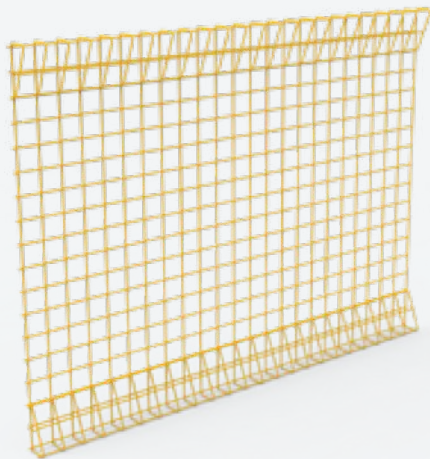
INFRASTRUCTURE SOLUTIONS  
GUARDING



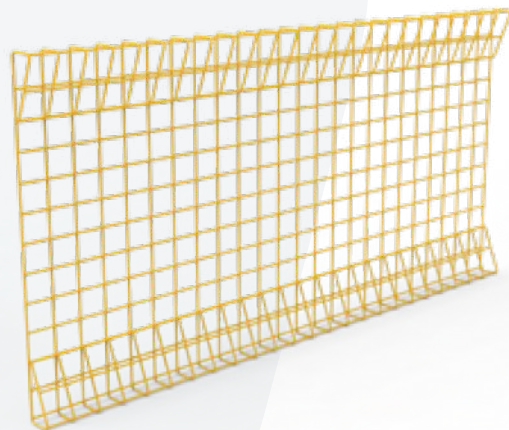
We can supply mesh guarding to suit your requirements and ensure the safety of your operators. All guarding can be coated as per site requirements.

**CONSTRUCTION**

- Heavy-duty steel
- Painted Safety Yellow



**MESH GUARDING**  
Part No. 55017821



**MESH GUARDING**  
Part No. 55017822

## INFRASTRUCTURE SOLUTIONS

# GUARDING

### MESH GUARDS FOR FIRE PUMP MAIN GENERATOR

Part No. 5501411



We can supply mesh guarding to suit your requirements and ensure the safety of your operators. All guarding can be coated as per site requirements.

#### CONSTRUCTION

- Heavy-duty steel
- Can be customised to suit your requirements
- Blasted and finished as per site requirements



### MESH GUARDS

Part No. 5501782

INFRASTRUCTURE SOLUTIONS  
**BARRIERS**



We supply all barrier and W-beam components and configurations. Either send us a list of parts and requirements or send us the details of the area you need to barricade.

**CONSTRUCTION**  
• Heavy-duty steel

**WE CAN SUPPLY ANY LENGTH OR AMOUNT OF:**  
• W-beam • Bends • Fixings • Posts • Nosing's • Hardware • Signage

## INFRASTRUCTURE SOLUTIONS

# LADDERS AND HOSE REELS

Ladders and Hose Hanger designed and engineered to enable safe, efficient and easy maintenance. These can be customised to suit specific requirements.

### LADDER CAGES

Part No. 5502125



#### CONSTRUCTION

- Heavy-duty steel
- Bolt straight to existing ladder
- Tough paint finish for long-lasting use
- Custom designed and built for specific requirements

### HOSE HANGER

Part No. 5503414

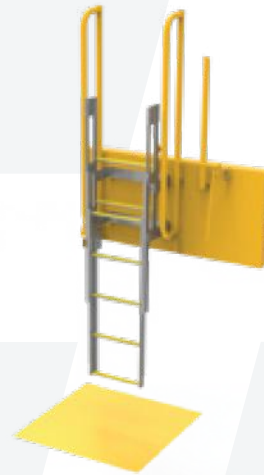


#### CONSTRUCTION

- Heavy-duty steel
- Includes demarcation
- Enables safe, efficient and easy maintenance
- Can be customised to suit your requirements

### CATERPILLAR 854K EMERGENCY LADDER

Part No. 5502306

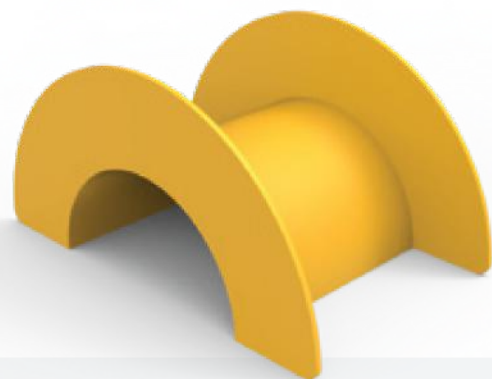


#### CONSTRUCTION

- Heavy-duty steel / aluminium
- WLL: 150kg
- Non-slip ladder nosings
- Heavy-duty steel main frame
- Torqued gear units for controlled release and easy lifting

### UNIVERSAL HOSE HANGER

Part No. 5502987



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 150kg
- Enables safe, efficient and easy maintenance
- Can be customised to suit your requirements
- Certified and compliant with Australian Standards

INFRASTRUCTURE SOLUTIONS  
**SHEDDERS**



Bend-tech's Walkway Shedder is designed to handle the elements within a higher than average risk of overhanging hazards.

**CONSTRUCTION**

- Heavy-duty steel
- Cyclone rated to region "C"
- Fully modular design and flat packed for transport
- Can be moved around site very easily to where ever is required
- Concrete blocks supplied with fork slots and lifting points

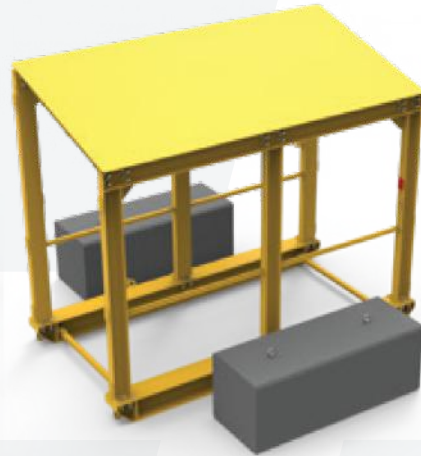


**WALKWAY SHEDDER**  
Part No. 5501269

# INFRASTRUCTURE SOLUTIONS SHEDDERS



**CANTILEVER SHEDDER 8000MM**  
Part No. 5501512



**SKID MOUNTED SHEDDER**  
Part No. 5502340

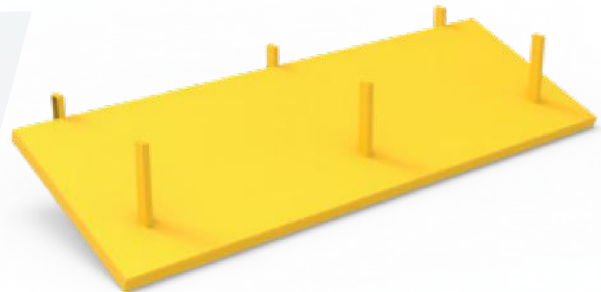
Bend-tech's shedder's are designed and engineered to provide protection and increased safety from the elements and falling debris.

### CONSTRUCTION

- Heavy-duty steel
- Cyclone Rated to Region "C"
- Can be customised to meet your specific needs

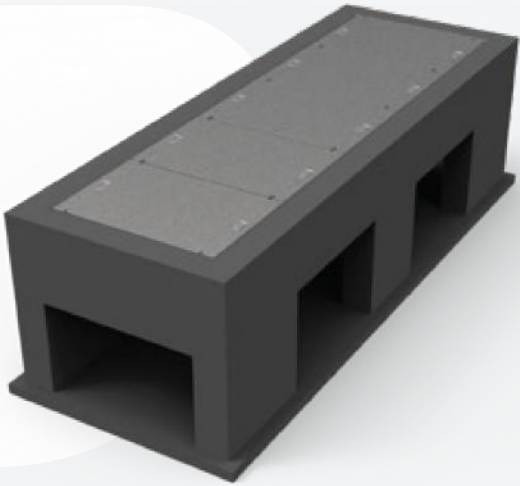


**SHEDDER UNIT**  
Part No. 5501267

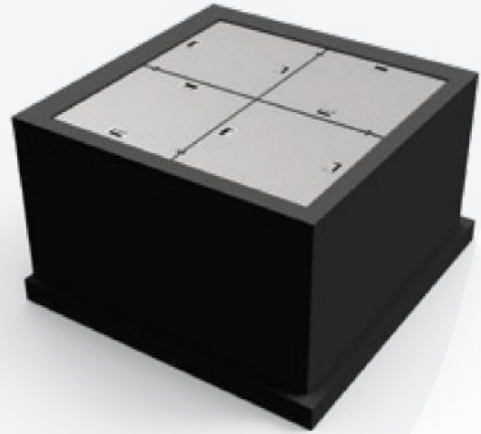


**CV125 STONE GUARD  
SHEDDER 6000MM**  
Part No. 5502246

## INFRASTRUCTURE SOLUTIONS PIT LIDS



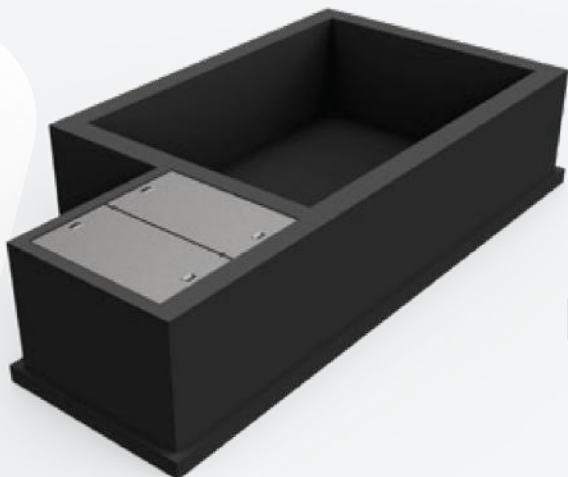
**PIT LIDS 1009MM X 1490MM**  
Part No. 5502861



**PIT LIDS STEEL 1057.5MM**  
Part No. 55030972

### CONSTRUCTION

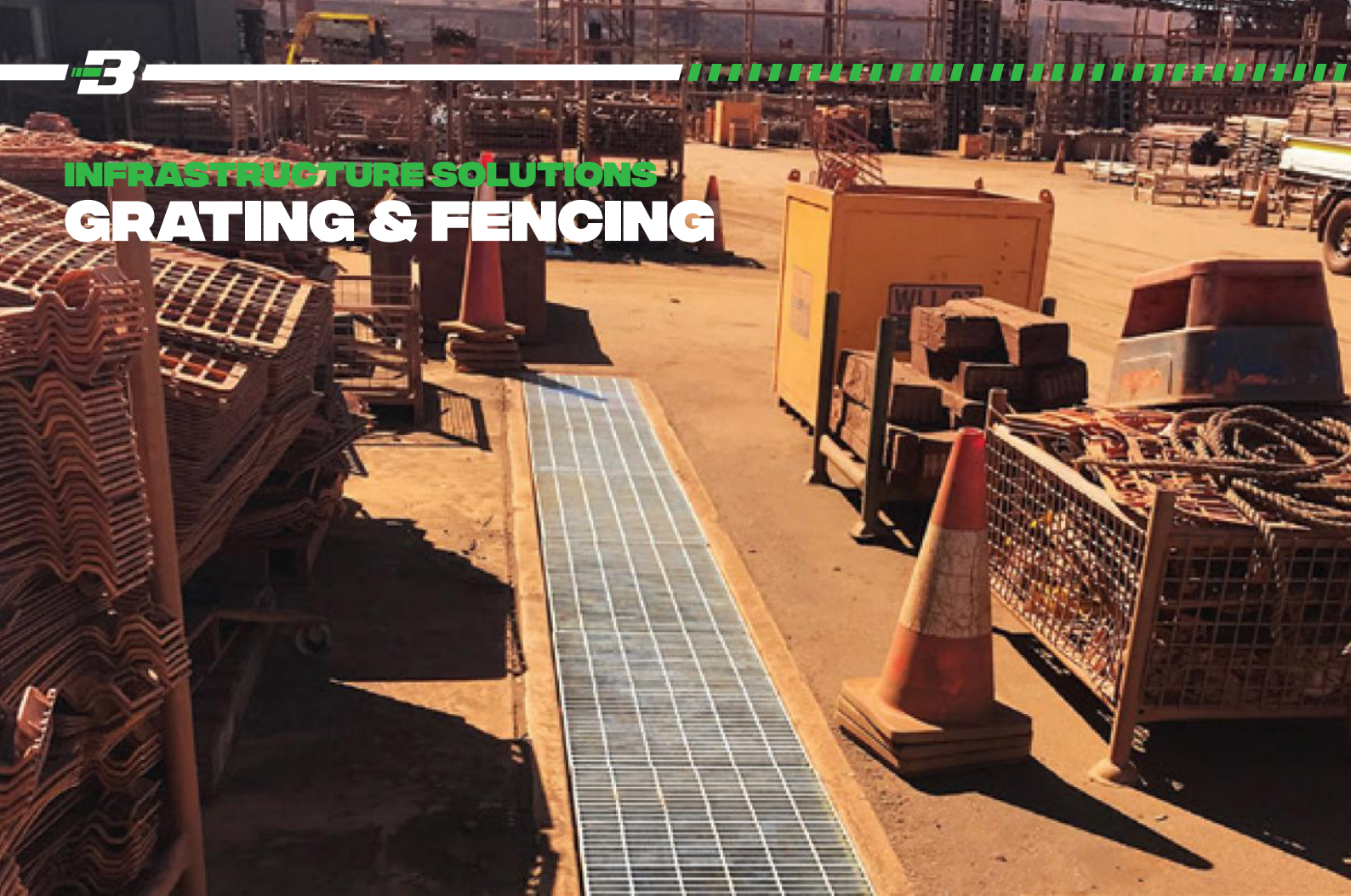
- Heavy-duty steel
- Designed and engineered to maximise safety on your site
- Can be customised to suit your requirements



**PIT LIDS STEEL 1057.5MM**  
Part No. 55030971

“ WE CAN  
CUSTOMISE  
ANY PRODUCT  
FOR YOUR SITE  
REQUIREMENTS ”

# INFRASTRUCTURE SOLUTIONS GRATING & FENCING



## FENCING

We supply all fencing and gate components and configurations. Either send us a list of parts and requirements or send us the details of the area you need to fence or enclose.

### WE CAN SUPPLY ANY LENGTH OR AMOUNT OF:

- Rolls of fencing
- Posts
- Wire or barbed wire
- Gates
- Hinges
- Locks
- Hardware

## GRATING

We supply all grating components, patterns and finishes. You can send us your requirements or list of parts and we will supply you with everything you need.

### MATERIAL OPTIONS:

- Aluminium
- Steel
- Stainless steel 304 and 316

### FINISHING OPTIONS:

- Untreated
- Galvanised (steel only)
- Electro-polished (stainless steel only)
- Anodised
- Bitumen dipped (steel only)
- Mill finish (aluminium or stainless steel only)
- Powder coated

### PATTERN OPTIONS:

- Load Bar Pitch 30mm / Cross Rod Pitch 100mm
- Load Bar Pitch 30mm / Cross Rod Pitch 50mm
- Load Bar Pitch 40mm / Cross Rod Pitch 100mm
- Load Bar Pitch 40mm / Cross Rod Pitch 50mm
- Load Bar Pitch 60mm / Cross Rod Pitch 50mm

\*Serrated and plain bars available with any configuration or finish



**TRANSFORMING  
ACCESS & INSPECTION  
DOOR SAFETY**



## “ **WORKPLACE SAFETY** **IS GOOD FOR BUSINESS** ”

Businesses that invest in better workplace safety measures mitigate the risks of workplace accidents which leads to improved profitability, staff morale and greater efficiency. Furthermore, businesses also have a legal and ethical responsibility to provide a safe place of work for all employees and contractors on site.

## WORKPLACE ACCIDENTS – THE TRUE COST

**SAFE WORK AUSTRALIA 2014**  
workplace injury and illness stand

**\$60** BILLION  
annually



**4.8%**

**OF AUSTRALIA'S GDP**



absence from work with



**25%**  
**OF INJURED WORKERS  
REQUIRING 12 OR MORE  
WEEKS TO RECOVER**

A report prepared for Safe Work Australia in 2014 stated that direct and indirect costs associated with workplace injury and illness stand at more than \$60 billion annually which represented 4.8 percent of Australia's GDP at the time<sup>1</sup>.

On average, a typical serious workers' compensation claim involves four weeks' absence from work with 25% of injured workers requiring 12 or more weeks to recover from the injury or illness<sup>2</sup>.

The facts clearly show that a serious illness or injury has a major impact on the individual affected, the organisation that employed the affected individual and society.

Medical bills and other direct expenses come at a great cost to the individual, the employer and the state.

Indirect costs such as reduced productivity and increased labour costs lead to reduced business profitability. This directly impacts the bottom line.

It's therefore to everyone's advantage to invest in workplace safety measures as it benefits all parties being the employer, the employee, the community and the state.

## THE NEED FOR SAFER ACCESS & INSPECTION DOORS

The hazards associated with the use of access and inspection chute doors at mine sites, manufacturing plants and other operations have been an ongoing concern for some time.

Well-documented incidents have caused staff injury and/or death, production outages and, in some cases, significant periods of plant shut down.

## WHAT ARE CONVEYOR CHUTE DOORS OR ACCESS HATCHES?

In the mining and manufacturing industries, conveyor chutes need regular inspection and maintenance to ensure these critical components of a working plant run as efficiently as possible.

Access and inspection chute doors provide maintenance workers with access to conveyor chutes so that they're able to carry out maintenance activities such as general inspection and cleaning.

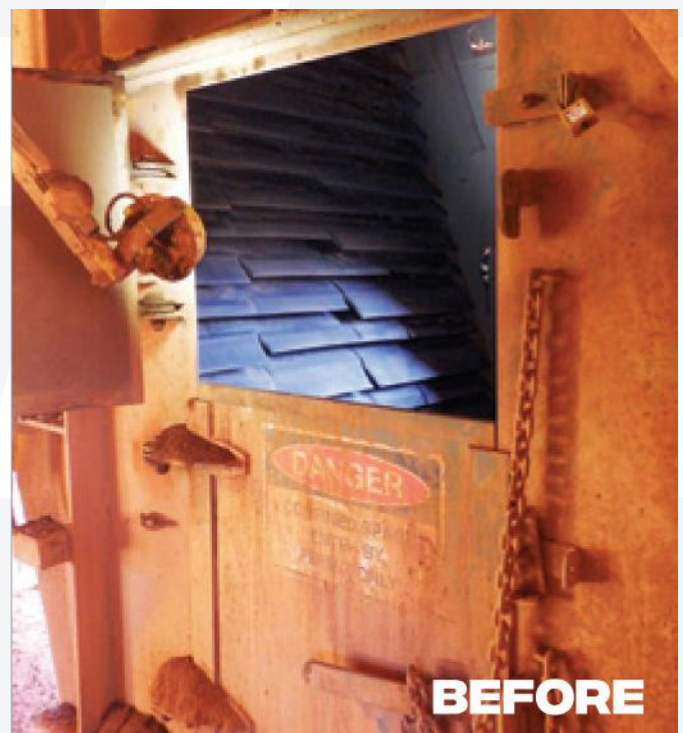
These access chute doors are generally a simple access hatch with a single level of protection i.e. the door itself.

## CHUTE DOORS NEED TO MEET SAFETY STANDARDS

Chute doors need to meet AS1755 conveyor safety requirements<sup>3</sup> and AS4024 machine and equipment safety requirements<sup>4</sup>. However, chute doors have been known to be the cause of various hazards which have resulted in serious workplace injuries.

Single access chute doors offer no protection when workers open them to conduct their routine maintenance activities. Workers who reach their arms or torsos into chutes are at risk from being struck by unexpected falling debris.

While some attempts have been made to make chute doors safer by introducing mesh to prevent entering the chute, this 'safety' mesh struggles to withstand the high impact of the material flow and degradation of the mesh also creates dangerous nip points. Nip hazards can cause instantaneous amputation and entrapment so the seriousness of this danger cannot be underestimated.





AFTER

## SAFETY INCIDENTS WHERE CHUTE DOORS WERE INVOLVED

In a recent case, a contract employee had entered a chute and was working in an ore transfer chute when the conveyor which he was standing on was started.

The conveyor started to move and the employee was assisted from the chute by another person. In another case, a person was using a 6,000psi high pressure water blasting lance to clear ore build up inside a chute. As the operator stopped blasting to reposition, the drop in thrust from the water lance caused the operator to move forward contacting the safety bar.

The safety rail support bracket failed resulting in the operator falling head first into the chute. As the operator fell forward into the chute, he was able to spin his body and grab at the chute door bottom ledge with his right hand, preventing a potential fall of a further seven to eight metres onto a running conveyor.

His colleague, who was operating the dead man safety control valve approximately six metres from the chute, was able to recover his colleague.

There are also potential substantial regulatory fines associated with incidents. Companies have faced severe fines in the past for safety lapsed with regard to chute doors. For example, in Manchester, England, the court fined a company 120,000 GBP when a man fell down a chute into a paper pulping machine<sup>5</sup>.

## CHUTE DOOR ISSUES ALSO HAVE AN IMPACT ON PRODUCTION OUTPUTS

Over and above limited safety, single-level chute doors also have detrimental operational and financial impacts such as halting plant production to open a door to clean the chute. For example, coal wash plants frequently experience blocked chutes due to the clay found in coal.

This can occur up to six times per night in a plant that has capacity to wash 1200 tonnes per hour. To clear the blockage a chute door needs to be opened and the blockage hosed with high pressure water until it is gone.

This process can take up to two hours, effectively taking the plant offline for the duration of the cleaning process.

## STANDARD CHUTE DOORS CAN ONLY BE OPENED WITH A SPECIAL TOOL AND NOT BY HAND

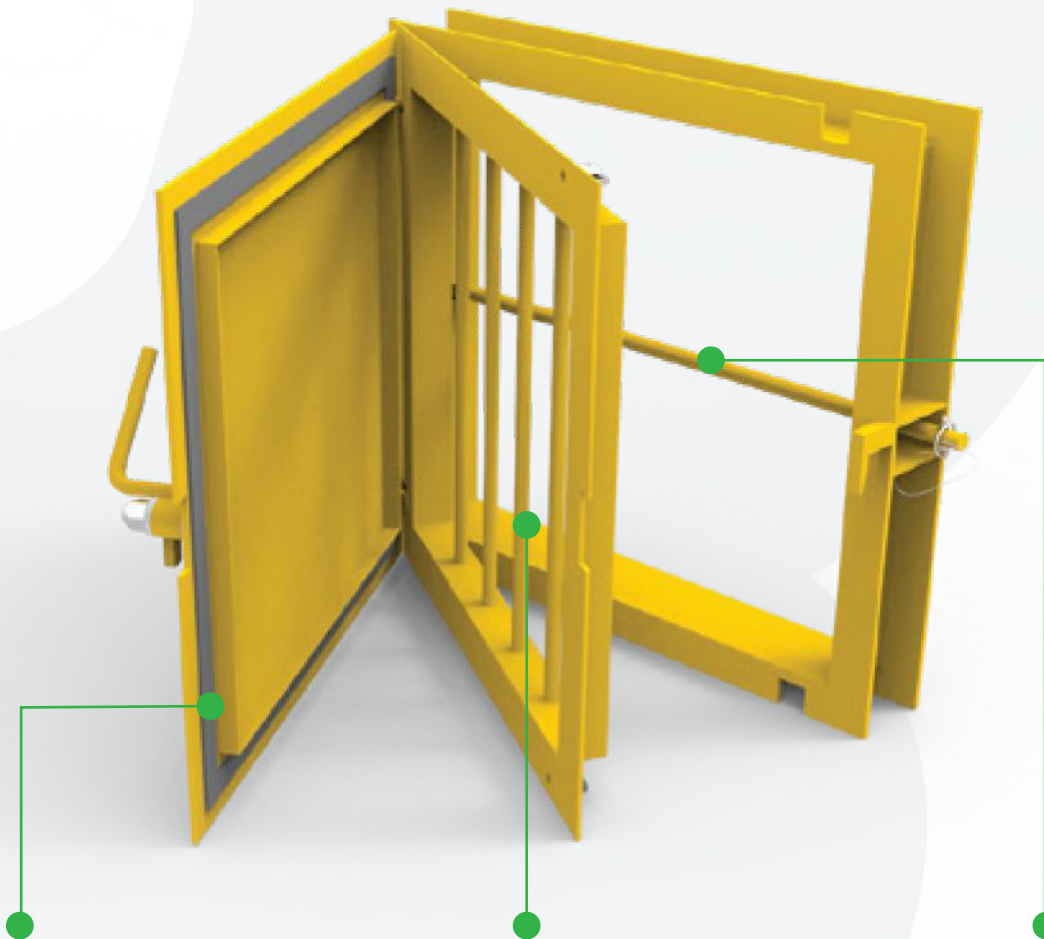
The AS 1402 safety standard for Conveyor Guarding requires that doors can only be opened by use of a mechanical tool, and not by hand. Some organisations have looked at using a bolt to lock each door which would then require a spanner or specialised tool to open the chute door.

This too can be a time-consuming process as the correct tool might not be on hand or the bolt cannot be removed or replaced efficiently as it may have warped or rusted due to the harsh elements that it is exposed to.

Any loss of production time, even an unplanned 10 minutes, affects the bottom line of the business detrimentally.

## THE THREE-LEVEL SAFETY SYSTEM FOR CHUTE DOORS

A three-level safety access system protects staff and keeps operations up and running. This system consists of three parts: the outer door, the second door and a cross bar protection system on the inside of the doors to prevent the door from being opened without a tool.



### 1st level of safety

The inside of the outer door is fitted with a rubber seal to reduce noise, vibration and dust from escaping the chute. When an operator opens this outer door, the operator is able to view the internal mechanisms of the chute but cannot access the chute due to the second door.

### 2nd level of safety

The second door is similar to a jail bar door which gives operators the ability to view the areas of hazard or concern without allowing them the ability to access the chute. A fixed bolt system included for additional protection and to prevent the door from being opened without a tool. The operator could now perform routine inspection or maintenance tasks without the risk associated with having free access to the chute when no second door is fitted.

### 3rd level of safety

The third level of protection is a cross bar protection system on the inside of the doors, to prevent any personnel accessing the chute. This final fail safe mechanism is the last line of a very good defence against workplace accidents involving chute doors.

# TOP 8 KEY FEATURES

## TO LOOK OUT FOR YOUR INSPECTION DOORS

Routine maintenance of conveyor chutes is required for almost all conveyor systems. These doors assist staff in obtaining access to the conveyor chute for this purpose.

Since the door is a required element replacing standard chute doors with a safety oriented product will help create a safer plant that is easier to service and maintain.

Safety-oriented inspection doors should contain the following 8 features.



### 1. FULL ACCESS FOR SERVICE AND MAINTENANCE

The inspection door must be fit for purpose and contain safeguards to ensure potential risks are mitigated and operations can continue. Inspection doors should therefore have the necessary dimensions for unencumbered chute access to ensure maintenance needed on a chute can be performed.

However, this access must come with the necessary safeguards to ensure that the risk of falling into the chute or being struck by debris from the chute are mitigated.

Thick metal which can withstand direct and high impact from material flow. Conveyor chutes generally contain material which is travelling at a high velocity and due to its composition may be dangerous to human operators. The inspection door fitted to a conveyor chute should therefore be constructed from thick metal which can withstand the impact from high material flow over a long period of time.



### 2. MODULAR DESIGN TO ENSURE EASE OF REPLACEMENT

The chute inspection door must have a modular design so that it can be easily removed and replaced with a new one. This replacement can take place by either welding or bolting a new door in place without any need to modify the chute cavity in any way. The modular design must also ensure that any replacement can be fitted without compromising the sanctity of the seal to ensure no dust or debris can escape the chute.



### 3. HANDLE TEMPERATURE EXTREMES

Chute inspection doors must be able to withstand extreme temperatures both from within the chute itself and from external weather conditions. The door should not warp or compromise its seal in any way to ensure no dust or debris can escape and the door can be opened and closed.



#### 4. HEAVY DUTY LOCK AND HINGES

Locks and hinges are generally the weakest spots on any door. On chute inspection doors, it is imperative that these traditional weak spots also withstand temperature extremes and the high impact of material flows from within the chute. Locks and hinges should not decay over time and should always be able to perform their function without extra intervention from chute door operators. The operator must be able to open the outer door at any time as the operator may need to attend to a time critical emergency or maintenance task.



#### 5. CUSTOMISABLE TO ENSURE THEY CAN MEET THE NEEDS OF A SITE

Chute inspection doors must be customisable to meet the needs of any site. Due to the many industries which utilise conveyor chutes for many different purposes, the chute inspection door must be made to fit a wide variety of chute configurations. Safety should never be compromised as a result of a safety product not being able to fit a specific configuration.



#### 6. NOT RELIANT ON SPECIAL TOOLS TO OPEN THE OUTER DOOR

Operators must be able to open outer doors by hand without any hindrance. Chute inspection doors should not rely on any special tools to open the outer door. As with the requirements for locks and hinges, chute operators may need to attend to a time critical emergency or maintenance procedure and should therefore be able to open the door without the need for a special tool or spanner. Should a tool be required to open the door it may be missing at the time it is needed most. If special bolts are used to lock the door they may contain rust or a similar substance which would prevent the door from being opened in a timely fashion.



#### 7. MEET AUSTRALIAN ENGINEERING CERTIFICATION STANDARDS

Chute inspection doors must meet the AS1755 conveyor safety requirements, the AS4024 machine and equipment safety requirements and the AS 1402 safety standard for conveyor guarding. To ensure organisations meet compliance requirements, chute inspection doors that are in use must meet these safety standards. Failure to fit a chute door that meets these standards could lead to serious liability for an organisation should they fail a safety inspection or if a serious accident occurs because of the use of non-compliant safety equipment.



#### 8. IN STOCK AND READILY AVAILABLE

Finally, the chute inspection door chosen by an organisation must be one that is freely available and in stock. This availability is needed to ensure a speedy replacement can be fitted should the need arise to limit delays a shutdown of the machinery will create.

# ACCESS & INSPECTION STANDARD DOORS

Bend-tech's Access and Inspection Door is used for providing safe and efficient viewing and access to chutes, hoppers and other areas of confined space or working at heights hazards.

## CONSTRUCTION

- 3-way safety system – the inside of the first door is fitted with a rubber lining for noise and vibration reduction. The second door, which is the jail bar door, gives you the ability to view but not access. A dual lock safety system is included at the top and bottom for additional protection. Inside the door frame is a cross bar protection system which is the third and final safety mechanism to prevent any personnel accessing the chute.
- Heavy duty lock and hinges, as well as a thick metal door for impact protection. Hinges are nylon insulated to prevent bind up.



**JAIL BAR DOOR  
450MM X 450MM**  
Part No. 5000045



**JAIL BAR DOOR  
600MM X 600MM**  
Part No. 5000040

## ACCESS & INSPECTION STANDARD DOORS



**JAIL BAR DOOR  
750MM X 750MM**  
Part No. 5000108



**JAIL BAR DOUBLE DOOR  
TOP 1000MM X 450MM**  
Part No. 5000107



**JAIL BAR DOUBLE DOOR  
1000MM X 750MM**  
Part No. 5000114

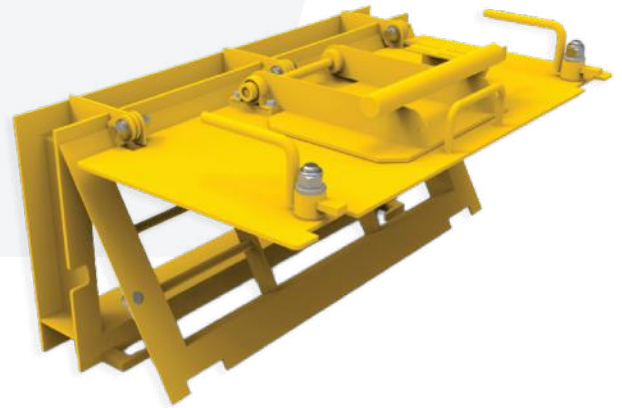


**JAIL BAR DOOR  
1200MM X 600MM**  
Part No. 5000109

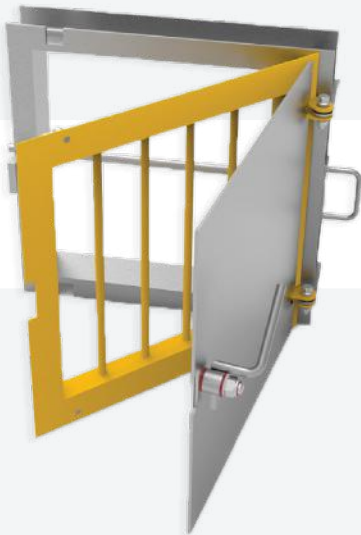
## ACCESS & INSPECTION STANDARD DOORS



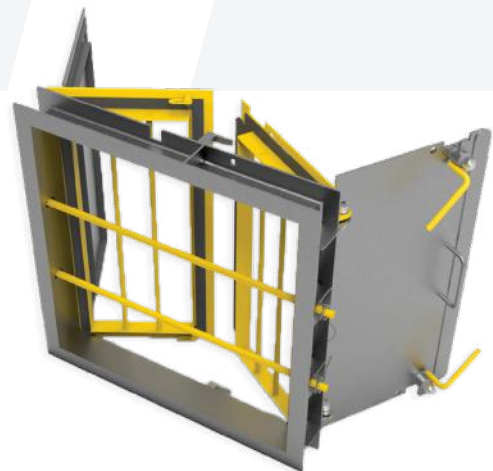
**JAIL BAR DOUBLE DOOR**  
**2000MM X 820MM**  
Part No. 5001695



**JAIL BAR ACCESS DOOR**  
**900MM X 410MM**  
Part No. 5502522



**JAIL BAR DOOR GALVANISED**  
**600MM X 600MM**  
Part No. 5000181



**JAIL BAR DOOR GALVANISED**  
**DOUBLE DOOR 750MM X 750MM**  
Part No. 5000182

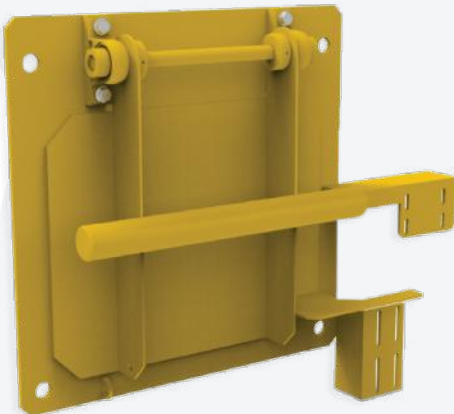
# ACCESS & INSPECTION STANDARD DOORS



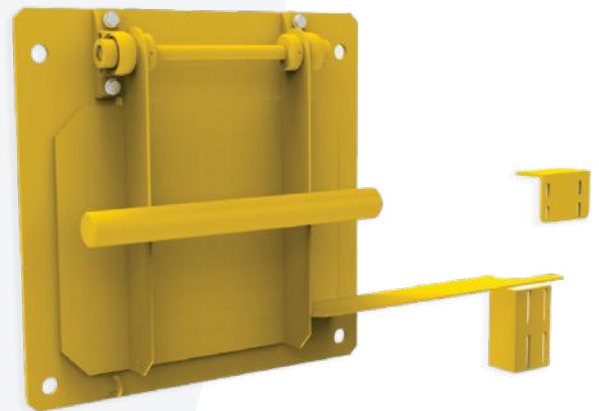
**MESH MACHINE GUARDING  
DOOR 950MM X 600MM**  
Part No. 5001844



**ACCESS & INSPECTION  
HATCH DOOR 750MM X  
750MM**  
Part No. 5501646



**BLOCKED CHUTE  
DETECTORS TYPE 1**  
Part No. 5000112



**BLOCKED CHUTE  
DETECTORS TYPE 2**  
Part No. 5000113

## ACCESS & INSPECTION

# ARMOUR DOORS

### HIGH IMPACT AND WEAR AREAS

Iron ore chutes are one of the harshest environments on-site. The speed, weight and abrasiveness of the substrate can create extensive damage, leading to replacement of the door. High impact and abrasion caused by production can require the door to be fitted with added protection.

Failure to employ the correct door will result in destruction, creating a potentially dangerous situation and necessary replacement, leading to further costs and loss of productivity.

### BEND-TECH'S SOLUTION

Bend-tech's solution is known as the Armour Door, built to withstand high flow and high wear situations. The Armour Door is available in a number of configurations, including bolt-on chocky bars which sit proud of the secondary 'jail bar' door protecting them from damage and wear. Other options for the doors include Hardox and Bisalloy, the doors can also cater for a wear liner of choice.

The chocky bars are a fantastic replaceable option, which provides ongoing protection for the door. They can be monitored and replaced as needed, simply unbolt the old worn out bars and replace with new ones.



**ARMOUR DOOR HIGH  
IMPACT & ABRASION DOORS**  
Part No. 5501553



**HEAVY DUTY IMPACT  
DOOR**  
Part No. 5001754

## CUSTOM DOORS

### CUSTOM DOOR SIZES

We design, engineer and construct doors to fit any size your access or inspection point requires. You can provide us with the dimensions or we can come and visit and measure up on-site. Our doors' safety and performance characteristics are not limited by size, we ensure full compliance no matter how big or small the entry or access point.

### LOCKING MECHANISMS AND HANDLES

Many sites require specific locking and opening mechanisms to meet compliance. When designing, engineering and constructing your door we install the hardware that your site requires; locking mechanisms, lock open capabilities and handle types are just some of the features we can fit to your access and inspection door. If there is something specific you require, we will incorporate the feature for your site.

### SURROUNDS AND STRUCTURAL REQUIREMENTS

When it comes to door installation, we make it easy for you. If surrounds need replacing or beam work needs to be catered for, we can provide a solution. Incorporating the construction of a custom surround ensures ease of installation. Adaptability is one of the many things that separates our doors from the rest.

### SECONDARY DOOR OPTIONS

The secondary level of our access and inspection doors also allow for custom options depending on your requirements. There is the more traditional 'jail bar door' and there is also our mesh option. We design and construct the door to provide the safeguard your operators inspecting the area require.

### SENSORS AND SPRAYERS

We can accommodate any sensors or sprayers that your access or inspection point may require. Trip sensors indicating a blocked chute can be moved and attached to the doors. This ensures the chute doesn't fill past the access point, allowing for easier inspection and safer operations.

## **ABOUT BEND-TECH ACCESS & INSPECTION DOORS**

Bend-tech access and inspection doors are manufactured out of high performance materials to deliver high performance outcomes. Heavy duty steel engineered and constructed for full certification ensures Bend-tech doors stand up to the harshest environments.

Premium features such as nylon hinge washers and insulation, heavy duty rubber seals, handles and locking mechanisms as well as a range of application specific finishes such as hot dip galvanising and powder coating ensures outstanding operation throughout the door's lifespan.

Intelligent consultation and design will ensure the correct door is supplied depending on site requirements. Application specific innovations and features are incorporated to ensure a long-lasting high-performance access and inspection door is installed, providing the promised benefits for longer.

## **ABOUT BEND-TECH GROUP**

We deliver sustained value by providing cutting edge solutions through collaboration and innovation. For more than 30 years we have delivered intelligent design and custom-certified products and services to the Mining, Fabrication, Marine and Oil and Gas industries across Australia and around the world. We have achieved this through a deep understanding of our customers and their requirements as well as innovative and industry leading design, engineering and construction.

“ **MAKING MAINTENANCE  
ON-SITE SAFE, EFFICIENT  
AND EASY** ”

## WEAR SYSTEM



We offer a wide range of wear products ranging from large bucket and tray packages, down to custom made solutions for your exact requirements.

We can also supply steel and other fabricated parts to compliment any wear package. Our complete design, engineering and fabrication capabilities enables us to deliver a comprehensive wear solution.

### **SOME OF OUR PRODUCTS AND SERVICES:**

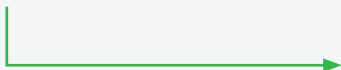
- Stock sheets of wear plate or hard steel (Grade 400, 450, 500)
- Fused alloy steel plate
- Bucket and tray packages
- Plate cutting to any shape or size
- Chocky bars and wear buttons
- Custom made liners and chutes
- Stud welding
- Drilling, milling or machining
- Plate rolling or pressing
- In house drafting and design
- Complete fabrication facilities
- Bucket skins and relines
- Fast service and delivery direct to site

# WEAR PANEL ASSEMBLY

Bucket Package  
Outer Panels



Bucket Package  
Inner Panels



NO	QTY.	DWG_NO	DESCRIPTION	MATERIAL *
1	2	BT00058-PT-001_00-010	EX3600 TP 2 - PANEL 1 - OUTER - SIDE	CREUSABRO 8000*
2	2	BT00058-PT-001_00-020	EX3600 TP 2 - PANEL 2 - OUTER - SIDE	CREUSABRO 8000
3	2	BT00058-PT-001_00-040	EX3600 TP 2 - PANEL 3 - OUTER - SIDE	CREUSABRO 8000
4	2	BT00058-PT-002_00-010	EX3600 TP 2 - PANEL 4 - OUTER - SIDE	CREUSABRO 8000
5	1	BT00058-PT-004_00-010	EX3600 TP 2 - PANEL 5 - OUTER - SIDE	CREUSABRO 8000
6	2	BT00058-PT-003_00-010	EX3600 TP 2 - PANEL 6 - INNER - SIDE	CREUSABRO 8000
7	2	BT00058-PT-003_00-020	EX3600 TP 2 - PANEL 7 - INNER - SIDE	CREUSABRO 8000
8	2	BT00058-PT-003_00-030	EX3600 TP 2 - PANEL 8 - INNER - SIDE	CREUSABRO 8000
9	2	BT00058-PT-003_00-040	EX3600 TP 2 - PANEL 9 - INNER - SIDE	CREUSABRO 8000
10	2	BT00058-PT-003_00-050	EX3600 TP 2 - PANEL 10 - INNER - SIDE	CREUSABRO 8000
11	2	BT00058-PT-003_00-060	EX3600 TP 2 - PANEL 11 - INNER - SIDE	CREUSABRO 8000
12	2	BT00058-PT-003_00-070	EX3600 TP 2 - PANEL 12 - INNER - SIDE	CREUSABRO 8000
13	1	BT00058-PT-005_00-010	EX3600 TP 2 - PANEL 13 - INNER- FRONT	CREUSABRO 8000

WEAR SYSTEM

STOCK WEAR PLATES



GRADE 80 PLATE - FULL SHEETS	
Order No	T(mm) x W(mm) x L(mm)
5000347	Grade 80 Full 6x2500x8000
5000348	Grade 80 Full 8x2500x8000
5000349	Grade 80 Full 10x2500x8000
5000350	Grade 80 Full 12x2500x8000
5000351	Grade 80 Full 16x2500x8000
5000352	Grade 80 Full 20x2500x8000
5000353	Grade 80 Full 25x2500x8000
5000354	Grade 80 Full 32x2500x8000
5000355	Grade 80 Full 40x2500x8000
5000356	Grade 80 Full 50x2500x8000
5000357	Grade 80 Full 60x2500x8000
5000358	Grade 80 Full 65x2500x6000
5000359	Grade 80 Full 70x2500x6000
5000360	Grade 80 Full 75x2500x6000
5000361	Grade 80 Full 80x1900x6000
5000362	Grade 80 Full 90x1900x6000
5000363	Grade 80 100xCut to size on request
5000364	Grade 80 110xCut to size on request
5000365	Grade 80 115xCut to size on request
5000366	Grade 80 120xCut to size on request

GRADE 80 PLATE - HALF SHEETS	
Order No	T(mm) x W(mm) x L(mm)
5000367	Grade 80 Half 6x2500x4000
5000368	Grade 80 Half 8x2500x4000
5000369	Grade 80 Half 10x2500x4000
5000370	Grade 80 Half 12x2500x4000
5000371	Grade 80 Half 16x2500x4000
5000372	Grade 80 Half 20x2500x4000
5000373	Grade 80 Half 25x2500x4000
5000374	Grade 80 Half 32x2500x4000
5000375	Grade 80 Half 40x2500x4000
5000376	Grade 80 Half 50x2500x4000
5000377	Grade 80 Half 60x2500x4000
5000378	Grade 80 Half 65x2500x3000
5000379	Grade 80 Half 70x2500x3000
5000380	Grade 80 Half 75x2500x3000
5000381	Grade 80 Half 80x1900x3000
5000382	Grade 80 Half 90x1900x3000
5000383	Grade 80 100xCut to size on request
5000384	Grade 80 110xCut to size on request
5000385	Grade 80 115xCut to size on request
5000386	Grade 80 120xCut to size on request

GRADE 400/450 PLATE - FULL SHEETS	
Order No	T(mm) x W(mm) x L(mm)
5000387	Grade 400/450 Full 6x2500x8000
5000388	Grade 400/450 Full 8x2500x8000
5000389	Grade 400/450 Full 10x2500x8000
5000390	Grade 400/450 Full 12x2500x8000
5000391	Grade 400/450 Full 16x2500x8000
5000392	Grade 400/450 Full 20x2500x8000
5000393	Grade 400/450 Full 25x2500x8000
5000394	Grade 400/450 Full 32x2500x8000
5000395	Grade 400/450 Full 40x2500x8000
5000396	Grade 400/450 Full 50x2500x8000
5000397	Grade 400/450 Full 60x2500x8000
5000398	Grade 400/450 Full 65x2500x6000
5000399	Grade 400/450 Full 70x2500x6000
5000400	Grade 400/450 Full 75x2500x6000
5000401	Grade 400/450 Full 80x1900x6000
5000402	Grade 400/450 Full 90x1900x6000
5000403	Grade 400/450 Full 100x1500x4000
5000404	Grade 400/450 Full 110x1500x4000
5000405	Grade 400/450 Full 115x1500x4000

**WEAR SYSTEM**

**STOCK WEAR PLATES**



**GRADE 400/450 PLATE - HALF SHEETS**

Order No	T(mm) x W(mm) x L(mm)
5000406	Grade 400/450 Half 6x2500x4000
5000407	Grade 400/450 Half 8x2500x4000
5000408	Grade 400/450 Half 10x2500x4000
5000409	Grade 400/450 Half 12x2500x4000
5000410	Grade 400/450 Half 16x2500x4000
5000411	Grade 400/450 Half 20x2500x4000
5000412	Grade 400/450 Half 25x2500x4000
5000413	Grade 400/450 Half 32x2500x4000
5000414	Grade 400/450 Half 40x2500x4000
5000415	Grade 400/450 Half 50x2500x4000
5000416	Grade 400/450 Half 60x2500x4000
5000417	Grade 400/450 Half 65x2500x3000
5000418	Grade 400/450 Half 70x2500x3000
5000419	Grade 400/450 Half 75x2500x3000
5000420	Grade 400/450 Half 80x1900x3000
5000421	Grade 400/450 Half 90x1900x3000
5000422	Grade 400/450 Half 100x1500x2000
5000423	Grade 400/450 Half 110x 500x2000
5000424	Grade 400/450 Half 11 x1500x2000

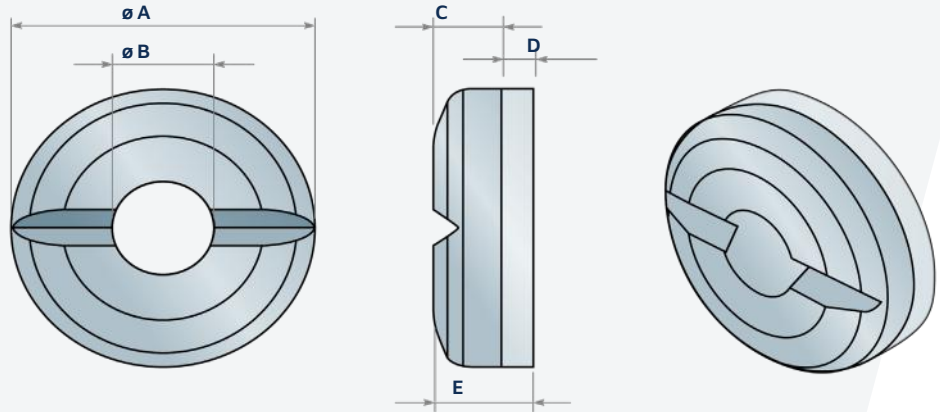
**GRADE 500 PLATE - FULL SHEETS**

Order No	T(mm) x W(mm) x L(mm)
5000425	Grade 500 Full 6x2500x8000
5000426	Grade 500 Full 8x2500x8000
5000427	Grade 500 Full 10x2500x8000
5000428	Grade 500 Full 12x2500x8000
5000429	Grade 500 Full 16x2500x8000
5000430	Grade 500 Full 20x2500x8000
5000431	Grade 500 Full 25x2500x8000
5000432	Grade 500 Full 32x2500x8000
5000433	Grade 500 Full 40x2500x8000
5000434	Grade 500 Full 50x2500x8000
5000435	Grade 500 Full 60x2500x8000
5000436	Grade 500 Full 65x2500x6000
5000437	Grade 500 Full 70x2500x6000
5000438	Grade 500 Full 75x2500x6000
5000439	Grade 500 Full 80x1900x6000
5000440	Grade 500 Full 90x1900x6000
5000441	Grade 500 Full 100x1500x4000
5000442	Grade 500 Full 110x1500x4000
5000443	Grade 500 Full 115x1500x4000

**GRADE 500 PLATE - HALF SHEETS**

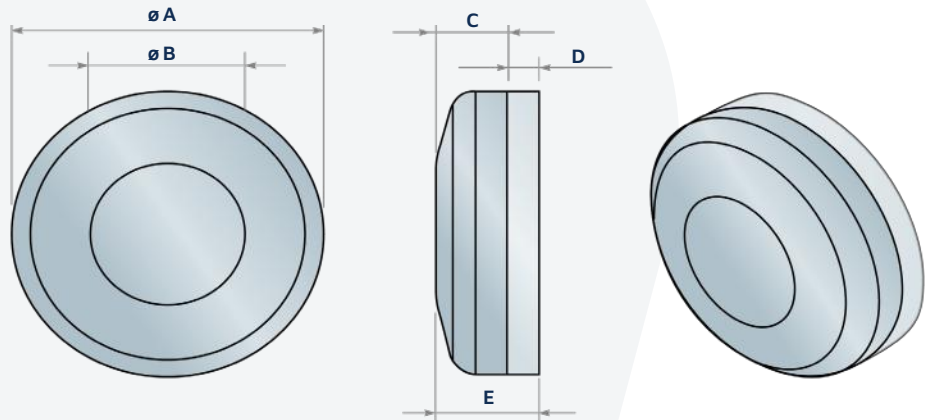
Order No	T(mm) x W(mm) x L(mm)
5000444	Grade 500 Half 6x2500x4000
5000445	Grade 500 Half 8x2500x4000
5000446	Grade 500 Half 10x2500x4000
5000447	Grade 500 Half 12x2500x4000
5000448	Grade 500 Half 16x2500x4000
5000449	Grade 500 Half 20x2500x4000
5000450	Grade 500 Half 25x2500x4000
5000451	Grade 500 Half 32x2500x4000
5000452	Grade 500 Half 40x2500x4000
5000453	Grade 500 Half 50x2500x4000
5000454	Grade 500 Half 60x2500x4000
5000455	Grade 500 Half 65x2500x3000
5000456	Grade 500 Half 70x2500x3000
5000457	Grade 500 Half 75x2500x3000
5000458	Grade 500 Half 80x1900x3000
5000459	Grade 500 Half 90x1900x3000
5000460	Grade 500 Half 100x1500x2000
5000461	Grade 500 Half 110x1500x2000
5000462	Grade 500 Half 115x1500x2000

## WEAR SYSTEM DONUTS



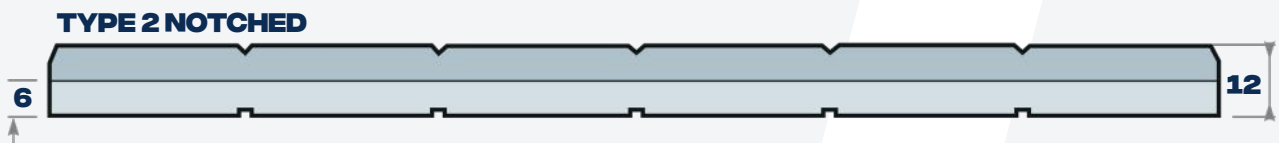
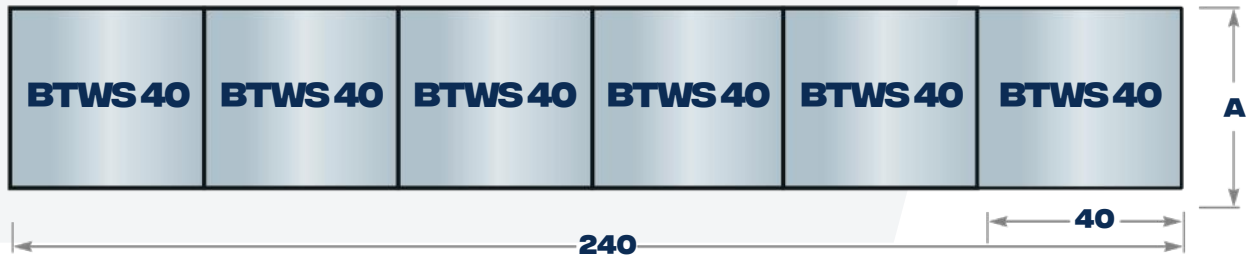
ORDER NUMBER	TYPE	DIMENSIONS					WEIGHT (KGS)
		A	B	C	D	E	
5000468	Donut	75	25	17	8	25	0.7
5000469	Donut	100	50	17	8	25	1.0
5000470	Donut	100	70	24	8	32	1.0
5000471	Donut	130	80	15	8	23	1.3
5000472	Donut	148	108	25	10	35	2.2

## WEAR BUTTONS



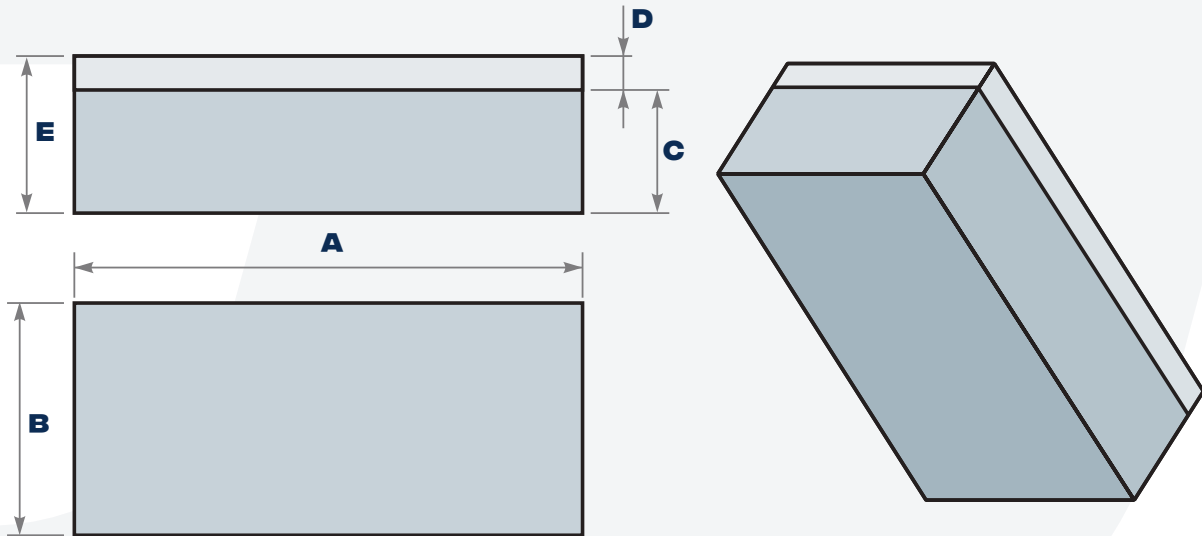
ORDER NUMBER	TYPE	DIMENSIONS					WEIGHT (KGS)
		A	B	C	D	E	
5000463	Button	60	40	20	10	30	0.7
5000464	Button	75	55	20	10	30	1.0
5000465	Button	90	70	20	10	30	1.5
5000466	Button	115	95	20	12	32	2.6
5000467	Button	150	130	25	16	41	5.7

# WEAR SYSTEM WAFER STRIPS



ORDER NO.	TYPE	DIMENSIONS/DESCRIPTION	WEIGHT (KGS)
		A	
5001711	1	Wafer Strips 25 W	0.6
5001712	2	Wafer Strips 25 W Notched	0.6
5001713	1	Wafer Strips 40 W	0.9
5001714	2	Wafer Strips 40 W Notched	0.9
5001715	1	Wafer Strips 50 W	1.2
5001716	2	Wafer Strips 50 W Notched	1.2
5001717	1	Wafer Strips 65 W	1.6
5001718	2	Wafer Strips 65 W Notched	1.6

# WEAR SYSTEM WEAR BARS

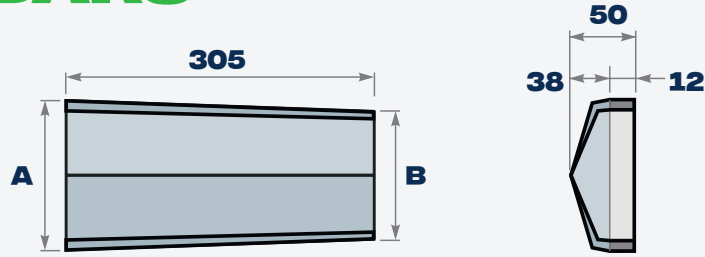


ORDER NUMBER	TYPE	DIMENSIONS					WEIGHT (KGS)
		A	B	C	D	E	
5000473	25x25	200	25	15	10	25	1.0
5000474	25x25	300	25	15	10	25	1.5
5000475	38x33	153	38	25	8	33	1.5
5000476	38x33	300	38	25	8	33	3.0
5000477	50x20	203	50	12	8	20	1.6
5000478	50x20	254	50	12	8	20	2.0
5000479	50x30	190	50	20	10	30	2.2
5000480	50x50	65	50	38	12	50	1.3
5000481	50x50	115	50	38	12	50	2.3
5000482	50x50	127	50	38	12	50	2.4
5000483	50x50	150	50	40	10	50	2.9
5000484	50x50	190	50	40	10	50	3.7
5000485	50x50	210	50	38	12	50	4.1
5000486	50x50	230	50	38	12	50	4.5
5000487	50x50	294	50	40	10	50	5.8
5000488	50x50	300	50	40	10	50	5.9
5000489	50x50	432	50	38	12	50	8.5
5000490	50x50	600	50	38	12	50	11.8
5000491	60x20	250	60	12	8	20	2.4
5000492	75x40	150	75	29	10	39	3.4
5000493	75x50	150	75	40	10	50	4.4
5000494	75x60	150	75	50	10	60	5.3
5000495	100x60	241	100	38	20	58	11.0

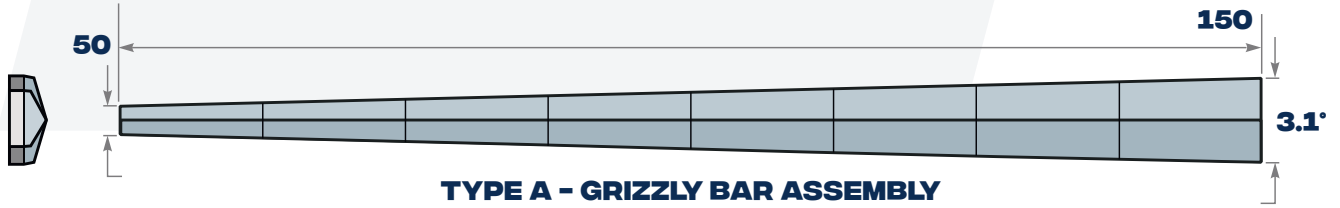
**NOTE: STUDS EXTRA**

If studs are required with any of the above please stipulate size and position required.

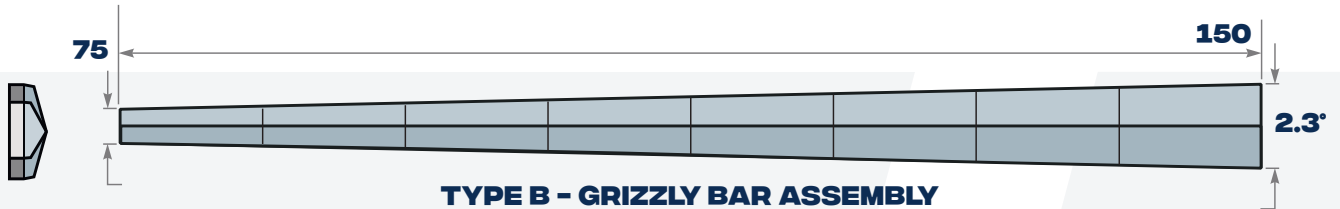
# WEAR SYSTEM GRIZZLY BARS



**STANDARD - GRIZZLY BAR**



**TYPE A - GRIZZLY BAR ASSEMBLY**



**TYPE B - GRIZZLY BAR ASSEMBLY**

ORDER NUMBER	TYPE	DIMENSIONS		WEIGHT (KGS)
		A	B	
<b>150/50 Taper</b>				
5001692	TYPE A	150.0	137.5	13.6
5001693	TYPE A	137.5	125.0	12.5
5001694	TYPE A	125.0	112.5	11.2
5000548	TYPE A	112.5	100.0	10.0
5000549	TYPE A	100.0	87.5	8.8
5000550	TYPE A	87.5	75.0	7.5
5000551	TYPE A	75.0	62.5	6.3
5000552	TYPE A	62.5	50.0	5.1
5001695	TYPE A	Grizzly A 150 / 50T Full Set		
<b>150/75 Taper</b>				
5000553	TYPE B	150	141	13.8
5000554	TYPE B	141	131	12.9
5000555	TYPE B	131	122	11.9
5000556	TYPE B	122	113	11.1
5000557	TYPE B	113	103	10.1
5000558	TYPE B	103	94	9.2
5000559	TYPE B	94	84	8.3
5000560	TYPE B	84	75	7.4
5001696	TYPE B	Grizzly B 150 / 75T Full Set		





# FIXED PLANT SOLUTIONS

 [www.bendtechgroup.com.au](http://www.bendtechgroup.com.au)



FIXED PLANT  
SOLUTIONS



Our long-standing relationships, expertise and dynamic team of solutions engineers has enabled us to provide certified efficiencies across a range of fixed plant scenarios. We understand that fixed plant maintenance requires safety, speed, accuracy and reliable execution to achieve operational efficiency. This has led us to develop a range of solutions designed and engineered to satisfy these very requirements.

The ability to 3D scan, process, design, engineer and fabricate means we can solve your on-site problems. Ensuring certification and compliance is at the forefront of every product or service and understanding that some situations require customisation; we are trusted partners in safety, efficiency and productivity.

# FIXED PLANT DESIGN, ENGINEERING AND FABRICATION

Although we have a comprehensive range of standard products which we have developed over an extended period of partnerships between planning, site personnel, management and ourselves. Most of these solutions started out as a specific problem which required us to develop a solution that enabled the actions required for operational efficiency.

## OUR APPROACH MEANS YOUR PROBLEMS ARE IN THE HANDS OF THOSE THAT SOLVE THEM.

- COMFORT** We take ownership of our role in operational efficiency with a system that provides a holistic solution.
- CERTAINTY** Being available, mobile and equipped to provide on-site consultations and scanning to ensure drawings, scopes of works and solutions are correct is invaluable.
- CONTROL** Design and engineering capabilities are crucial to providing certified and compliant solutions. We enable control over the situation.
- MOTION** Enabling processes and production to continue on-time is a crucial. We provide reliable, consistent pathways towards this goal.
- IMPACT** Solutions that are executed on-time consistently leaves an impact on the bottom line. Productivity receives a boost which is compounded by the benefits of the efficient use of resources which are freed up due to efficient solution development.

If you have a problem on-site, get in contact with the team and we will provide you with the certified salutation that you need.

“  
**OUR TEAM PARTNERS WITH  
EACH OTHER INTERNALLY SO  
WE CAN PARTNER WITH YOU  
AND YOUR SUCCESS.**”

## SCAFFOLD REPLACEMENT PLATFORMS

We have a range of certified and Australian Standard compliant access and scaffold replacement solutions developed for specific scenarios on-site. Our experience developing solutions, coupled with the ability to 3D scan, design, engineer and construct access solutions means we can customise an access or scaffold replacement platform for your exact requirements.

### CRUSHER ACCESS PLATFORM – BELT FEEDER Part No. 5501476

#### CONSTRUCTION

- Heavy-duty aluminium
- Safety handrails
- Step style ladder access
- Counterweighted to provide a safe overhang -2.3m clearance
- Heavy duty castor wheels for easy mobility



### CRUSHER ACCESS PLATFORM Part No. 5501477

#### CONSTRUCTION

- Heavy-duty aluminium
- Access platform with overhang – 3m clearance
- Safety handrails
- Step type ladder access
- Counterweight for overhang
- Heavy duty castor wheels





# FIXED PLANT PLATFORMS

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## FIXED PLANT PLATFORMS

### CRUSHER BOWL ACCESS PLATFORM

Part No. 5501474

A safe, certified and compliant access platform designed and engineered to access the crusher bowl

#### CONSTRUCTION

- Heavy-duty aluminium
- Fitted jacking stands
- Drop in ladder on other side
- Fork pockets for easy mobility
- Stair access up to top of crusher externally



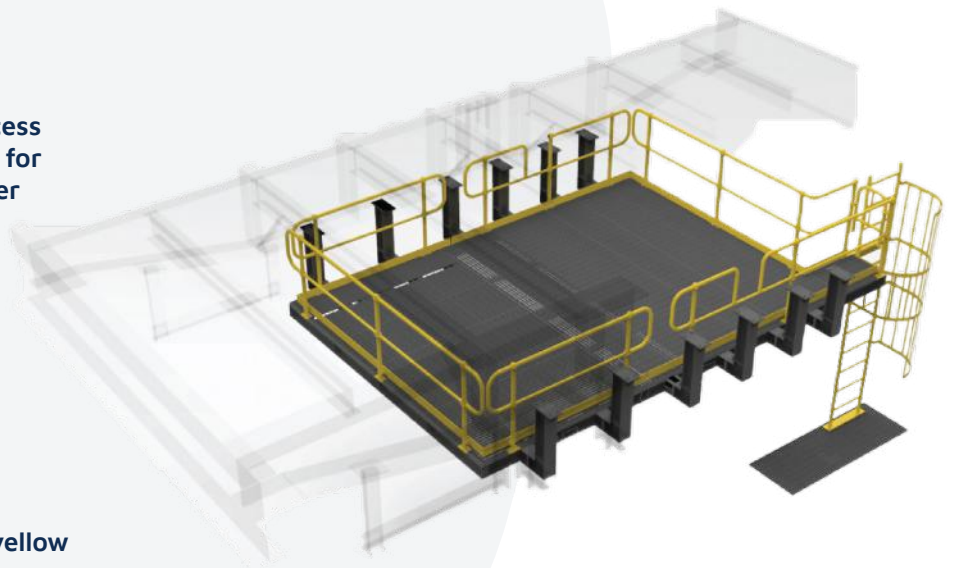
### CRUSHING MAINTENANCE FLOOR PLATFORM

Part No. 5501944

A safe, certified and compliant access platform designed and engineered for maintenance on the secondary sizer

#### CONSTRUCTION

- Heavy-duty steel
- Ladder access with cage
- Full assembly bolts together for ease of transport
- Handrails around crushing hub maintenance floor
- Grating and platform structure completely hot dip galvanised
- Handrails finished in Y14 safety yellow
- Bolts to existing plant structure



# FIXED PLANT PLATFORMS

## STEEL BALL MILL PLATFORM

Part No. 5501779

Designed and engineered to safely and efficiently access steel ball mills.

### CONSTRUCTION

- Heavy-duty aluminium
- Increased height handrails
- Non-slip step nosings
- Heavy-duty non-slip step and platform landings



## CHUTE ACCESS PLATFORM

Part No. 5501630

A certified and compliant access platform designed and engineered for the access of the Mill Grizzly Chutes

### CONSTRUCTION

- Heavy-duty aluminium
- Double self-closing doors
- Safety handrails
- German made Blicke castor wheels
- Certified and compliant with Australian Standards



## TERTIARY CRUSHING ROCK BOX ACCESS

Part No. 5501789

Designed and engineered to safely and efficiently access crusher rock boxes.

### CONSTRUCTION

- Heavy-duty aluminium
- Fitted with heavy-duty castors
- Fitted with non-slip step nosing's
- Certified and compliant with Australian Standards



## FIXED PLANT PLATFORMS

### TERTIARY CRUSHING HEAD CHUTE PLATFORM Part No. 5501746

A designed and engineered tertiary crushing head chute platform for safe and efficient maintenance.

#### CONSTRUCTION

- Heavy-duty aluminium
- Height: 1880mm
- Length: 2700mm
- Width: 6000mm
- Can be customised to suit your requirements
- Non-slip walkway
- Self-closing gates



### FIXED PLANT CANTILEVER PLATFORM Part No. 5501333

Fixed plant cantilever platform designed and engineered for safe, efficient and easy maintenance.

#### CONSTRUCTION

- Heavy-duty steel
- Length: 6150mm
- Width: 3000mm
- Hot-dip galvanised
- Handrails finished in Y14 safety yellow
- Certified and compliant with Australian Standards



### CIRCULAR PLATFORM FOR CRUSHER BOWL ACCESS Part No. 5501329

Crusher bowl access platform designed and engineered for safe, efficient and easy maintenance.

#### CONSTRUCTION

- Heavy-duty aluminium
- WLL 150kg
- Height: 1815mm
- Fitted with lifting lugs
- Certified and compliant with Australian Standards



# FIXED PLANT PLATFORMS

## **CONE CRUSHER ACCESS PLATFORM** Part No. 5501188

Cone crusher access platform designed and engineered for safe, efficient and easy maintenance.

### **CONSTRUCTION**

- Heavy-duty aluminium
- Certified and compliant with Australian Standard
- Fitted with heavy-duty lockable castors
- Fitted with heavy-duty jacking stands

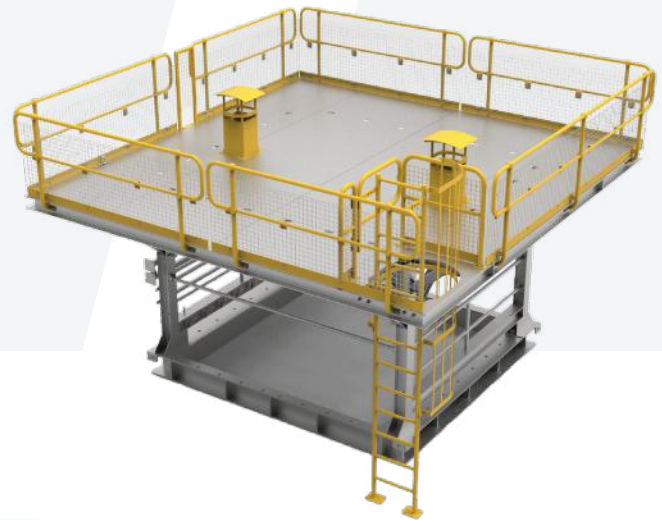


## **PRIMARY CRUSHER WORK PLATFORM** Part No. 5503196

Primary crusher maintenance platform designed and engineered for safe and efficient fixed plant maintenance.

### **CONSTRUCTION**

- Heavy-duty steel
- Fitted with handrails
- Fitted with cable shafts
- Fitted with access ladder



## FIXED PLANT PLATFORMS

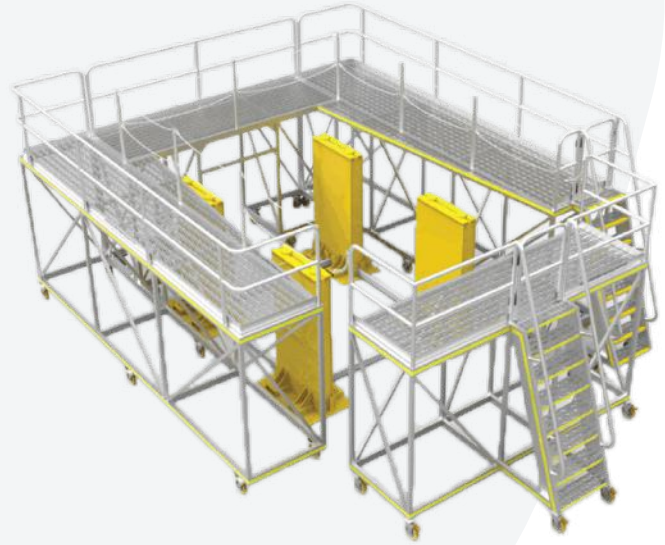
### VIBE FEEDER ACCESS AND SUPPORT SET

Part No. 5501113

Designed to provide support of vibe screen when out of screen house for shut down. The screen can sit flat and platforms provide full protection from working at heights at all times.

#### CONSTRUCTION

- Heavy-duty aluminium
- Large industrial castors and levelling jacks
- Non-slip stairway and work area
- Self-closing gates
- Safety handrails



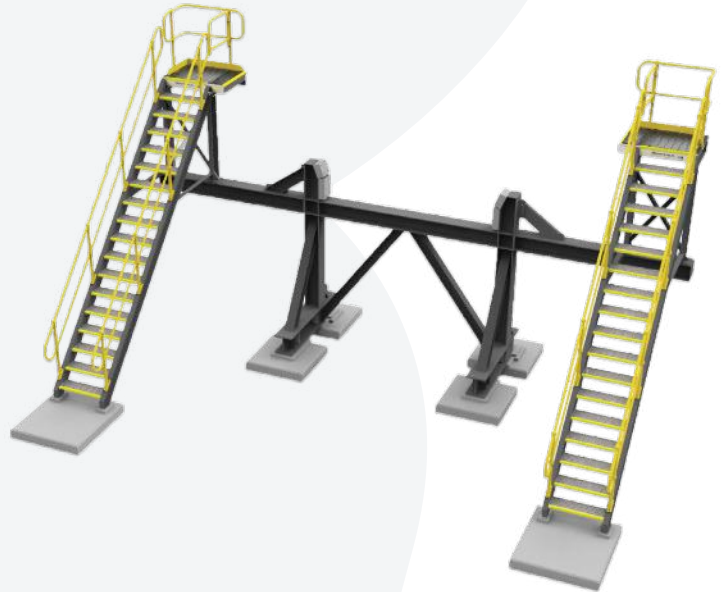
### STACKER MAINTENANCE PLATFORM AND CRADLE

Part No. 5501544

A safe, certified and compliant maintenance cradle bay platform designed and engineered for stacker maintenance

#### CONSTRUCTION

- Heavy-duty steel
- Cyclone tie downs
- Dual parallel stairways
- Self-closing doors at top of deck
- Permanent structure – bolted down to concrete blocks
- Safety handrails bolt to structure



### WALKWAY SHEDDER

Part No. 5501269

Designed to handle the elements within a higher than average risk of overhanging hazards.

#### CONSTRUCTION

- Cyclone Rated to Region "C"
- Fully Modular design and flat packed for transport
- Concrete blocks supplied with fork slots and lifting points



# FIXED PLANT PLATFORMS

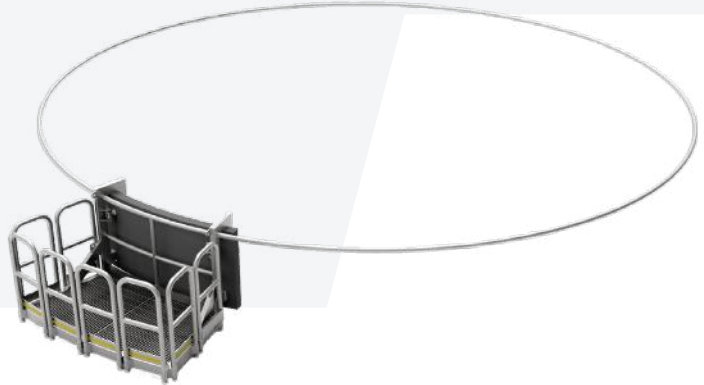
## OVERHANG PLATFORM

Part No. 5001997

Certified and compliant access platform designed and engineered to overhang the side of tanks on-site. Can be customised to suit your requirements.

### CONSTRUCTION

- Heavy-duty aluminium
- Non-slip stairway and work area
- Locking bolts with rubber
- Lanyard Points
- Stabilising legs with rubber



## SCREEN ACCESS PLATFORM

Part No. 5501802

Designed and engineered, safe and efficient screen access platform.

### CONSTRUCTION

- Heavy-duty aluminium
- Height: 2300mm
- Length: 2173mm
- Width: 750mm
- Fitted with heavy-duty castors
- Fitted with jacking stands
- Fitted with self-closing gate



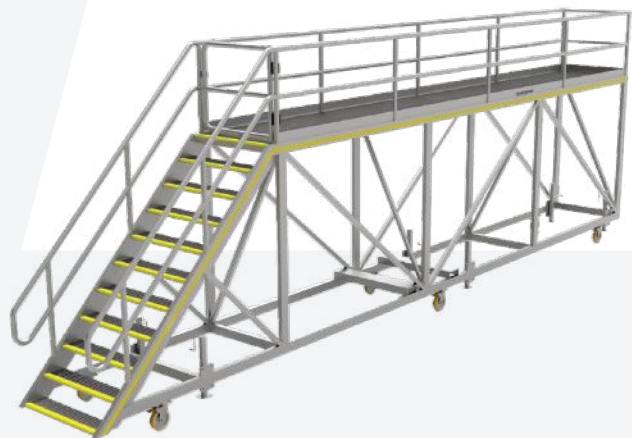
## SCREEN ACCESS PLATFORM

Part No. 5501718

A designed and engineered screen access platform for safe and efficient maintenance.

### CONSTRUCTION

- Heavy-duty aluminium
- Height: 2400mm
- Length: 7500mm
- Width: 1100mm
- Non-slip walkway
- Self-closing gates
- Can be customised to suit other mobile equipment



## FIXED PLANT PLATFORMS

### GENERAL PURPOSE CRUSHER ACCESS PLATFORMS

Part No. 5001972

A safe, certified and compliant access platform designed and engineered for your various access requirements, where there are existing structures.

#### CONSTRUCTION

- Heavy-duty aluminium
- WLL: 200kg
- Fitted with non-slip step nosings
- Fitted with ladder extensions
- Fitted with self-closing gate



### TRENCH ACCESS PLATFORM AND LADDER

Part No. 5502991

Designed and engineered solution to providing safe and efficient access to trenches. Simply place the platform over the trench and fold the ladder down.

#### CONSTRUCTION

- Heavy-duty aluminium
- WLL: 400kg
- Width: 1850mm
- Hinged ladder to allow for varying trench depths
- Fitted with self-closing gate
- Non-slip grating deck



### STEEL CHUTE ACCESS PLATFORM

Part No. 5001995

Certified and compliant access platform designed and engineered for chute access.

#### CONSTRUCTION

- Heavy-duty steel
- Bolt-on handrails
- Bolt-in step treads
- Fitted with non-slip nosings
- Grating and treads hot dip galvanised



## FIXED PLANT PLATFORMS

### STEEL CHUTE ACCESS PLATFORM V2

Part No. 5001990

Certified and compliant access platform designed and engineered for chute access.

#### CONSTRUCTION

- Heavy-duty aluminium
- Bolt-on handrails
- Bolt-in step treads
- Fitted with lifting lugs
- Fitted with non-slip nosings
- Grating and treads hot dip galvanised



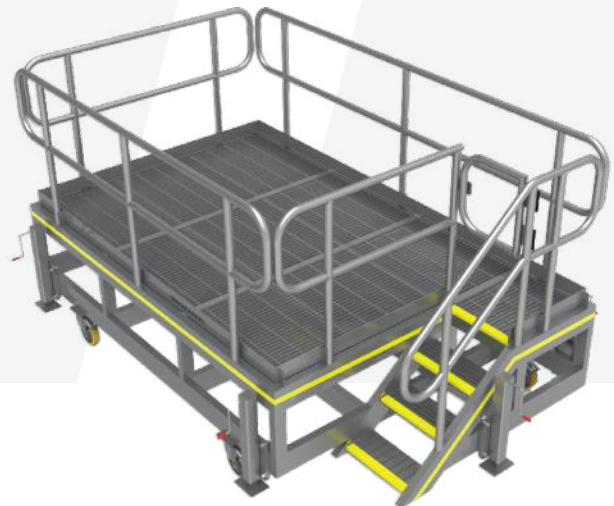
### RECLAIMER CURTAIN ACCESS PLATFORM

Part No. 5002001

Our aluminium Reclaimer Curtain Access Platforms are used in the inspection, refurbishment or replacement of rubber curtains on reclaimers in iron ore stock yards.

#### CONSTRUCTION

- Heavy-duty aluminium
- Height: 850mm
- Length: 2800mm
- Width: 2000mm
- Self-closing gate and safety handrails
- Wheels for ease of manoeuvrability on site



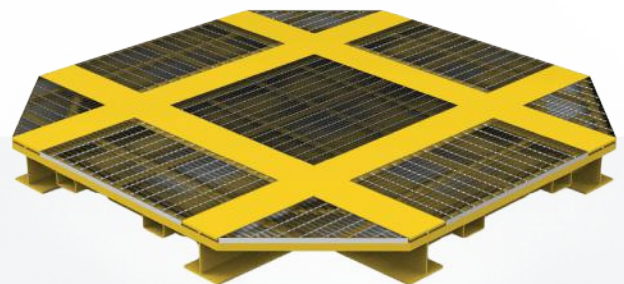
### CRUSHER BOWL AND CONE SUPPORT PLATFORM

Part No. 5501397

A safe, certified and compliant maintenance cradle bay platform designed and engineered for stacker maintenance

#### CONSTRUCTION

- Heavy-duty steel
- WLL: 40 Tonne
- Ventilation holes in base
- Removable aluminium grating in centre
- Steel grating fixed, all sides



## FIXED PLANT PLATFORMS

### MILL GRIZZLY CHUTE ACCESS PLATFORM Part No. 5501909

A safe, certified and compliant access platform designed and engineered for chute access.

#### CONSTRUCTION

- Heavy-duty aluminium
- Non-slip stairway and work area
- Self-closing gate at the top of the stairs
- A total of 8 wheels – 4 on the horizontal and 4 on the vertical plane



### LOWER HOPPER ACCESS PLATFORM Part No. 5501810

Designed and engineered to safely and efficiently access the lower hopper in fixed plant operations.

#### CONSTRUCTION

- Heavy-duty aluminium
- Non-slip stairway and work area
- Self-closing gate
- Fitted with heavy-duty castors
- Fitted with heavy-duty jacking stands
- Certified and compliant with Australian Standards



### RECLAIMER BUCKET ACCESS PLATFORM Part No. 5501842

Designed and engineered, safe and efficient reclaimer bucket access platform.

#### CONSTRUCTION

- Heavy-duty aluminium
- Fitted with self-closing gates
- Fitted with heavy-duty castors
- Fitted with counterweights
- Fitted with jacking stands



# FIXED PLANT PLATFORMS

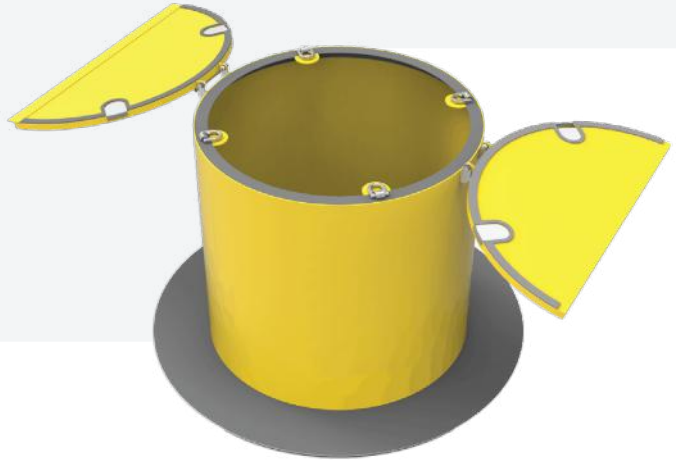
## CENTRE SHAFT PROTECTION AND ACCESS

Part No. 5001979

Certified and compliant shaft protection and access platform. Designed and engineered for safe maintenance.

### CONSTRUCTION

- Heavy-duty steel
- Finished in Y14 safety yellow
- Fitted with maintenance platform



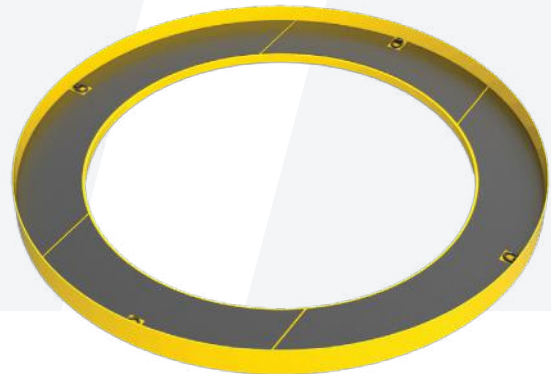
## LOWER CRUSHER ROUND ACCESS PLATFORM

Part No. 5001980

Designed and engineered crusher access platform. This item can be customized to suit many different applications, such as crusher access.

### CONSTRUCTION

- Heavy-duty steel
- Height: 250mm
- Length: 2630mm
- Width: 2630mm
- Blasted, primed and coated
- Checkplate walkway
- Fitted with lifting lugs



## TOP CRUSHER ROUND ACCESS PLATFORM

Part No. 5001981

Designed and engineered crusher access platform. This item can be customized to suit many different applications, such as crusher access.

### CONSTRUCTION

- Heavy-duty steel
- Height: 2500mm
- Length: 2630mm
- Width: 2630mm
- Blasted, primed and coated
- Checkplate walkway
- Fitted with lifting lugs



## FIXED PLANT PLATFORMS

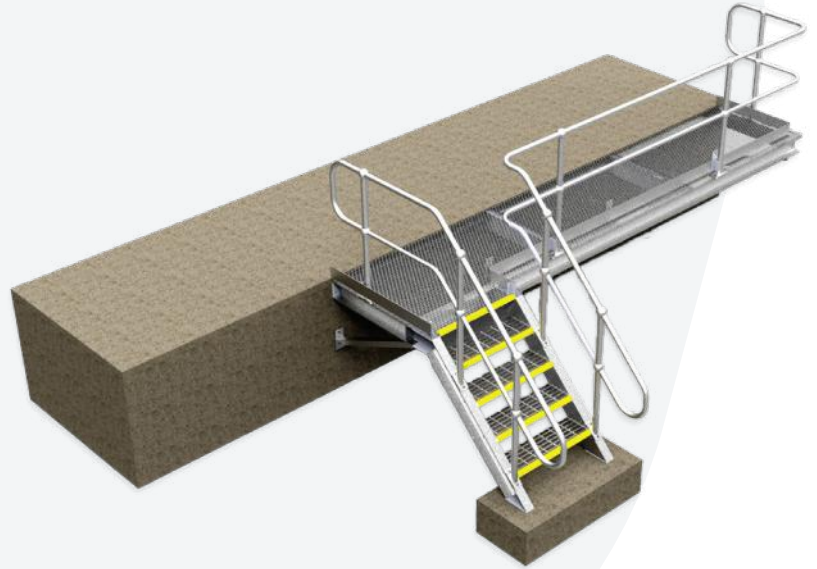
### CUSTOM HAND RAILING AND PLATFORMS

Part No. TBA

Our Custom Hand Railing and Platforms include customised design, engineering and fabrication of handrails, stairways and platforms for mobile and fixed plant applications.

#### CONSTRUCTION

- Heavy-duty steel, aluminium or stainless steel
- Modular style build hand railing for ease of transport and installation
- Detailed drawings available for client



### PERMANENT ACCESS STAIRS

Part No. 5414051

Bend-tech's lightweight aluminum Access Stairs are used for permanent access to tanks, buildings or other structures.

#### CONSTRUCTION

- Heavy-duty aluminium
- Height: 1300mm
- Length: 1370mm
- Width: 900mm
- Safety handrails
- Extended height handrails



“ **CERTIFIED AND COMPLIANT**  
**SCAFFOLD ELIMINATION**  
**AND ACCESS PLATFORMS** ”

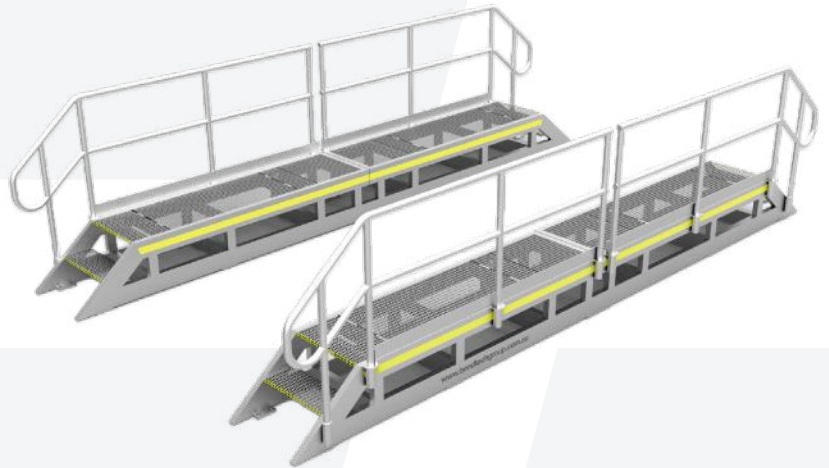
## FIXED PLANT PLATFORMS

### BELT SPLICING WALKWAY Part No. 5414115

Our Aluminium Access walkway is used on reclaimers and stackers to provide safe access to belt splicing tables and associated work areas.

#### CONSTRUCTION

- Heavy-duty aluminium
- Modular design and build to ensure ease of use and installation
- Non-slip stairways and grating
- Removable handrails



### RECLAIMER BEARING ACCESS PLATFORM Part No. 5414116

Our Aluminium Reclaimer Bearing Access Platform provides the ability to access and inspect reclaimer bearings easily and quickly during shutdown.

#### CONSTRUCTION

- Heavy-duty aluminium
- Non-slip grating and work area
- Large industrial castors and levelling jacks
- Removable handrails for ease of access to work area when required



## CONVEYOR PLATFORMS

### LOWER CONVEYOR ACCESS PLATFORM

Part No. 5413064

Our Aluminium Lower Conveyor Access Platform provides safe access to the underneath of conveyors when idlers need to be inspected or changed out. The platform features foldout handrails to provide fall protection for site personnel when in use, and is installed by a forklift or telehandler.

#### CONSTRUCTION

- Heavy-duty aluminium
- Weather resistant
- Safety liner



### BELT SPLICING ACCESS PLATFORM

Part No. 5001991

Certified and compliant belt splicing platform designed and engineered to safely access conveyors when performing maintenance.

#### CONSTRUCTION

- Heavy-duty aluminium
- Height: 3050mm
- Length: 5215mm
- Width: 1200mm
- Ladder Access
- Self-closing gate
- Safety handrails
- Gridmesh deck for non-slip work area



**3**

**3** **BIGGER  
THAN  
BUSINESS**

# GENERAL PURPOSE PLATFORMS

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**3**

## GENERAL PURPOSE PLATFORMS

### ACCESS PLATFORM 430MM

Part No. 5502890



#### CONSTRUCTION

- Heavy-duty aluminium
- Length: 750mm
- Width: 850mm
- Safety handrails
- Self-closing gates
- Non-slip stairway and work area

### ACCESS STEP PLATFORM 500MM

Part No. 5504040



#### CONSTRUCTION

- Heavy-duty aluminium
- WLL: 150kg
- Length: 850mm
- Width: 650mm
- Safety handrails
- Boom rail
- Non-slip stairway and work area

### ACCESS PLATFORM 500MM

Part No. 5502630



#### CONSTRUCTION

- Heavy-duty aluminium
- WLL: 150kg
- Length: 2000mm
- Width: 500mm
- Safety handrails
- Fitted with a Boom Rail
- Non-slip stairway and work area

### ACCESS PLATFORM 700MM

Part No. 5502631



#### CONSTRUCTION

- Heavy-duty aluminium
- WLL: 150kg
- Length: 2000mm
- Width: 500mm
- Safety handrails
- Fitted with a Boom Rail
- Non-slip stairway and work area

# GENERAL PURPOSE PLATFORMS

## ACCESS STEP PLATFORM 800MM

Part No. 5504041



### CONSTRUCTION

- Heavy-duty aluminium
- WLL: 150kg
- Length: 1200mm
- Width: 650mm
- Safety handrails
- Boom rail
- Non-slip stairway and work area

## ACCESS PLATFORM 1100MM

Part No. 5503138



### CONSTRUCTION

- Heavy-duty aluminium
- WLL: 200kg
- Length: 1191mm
- Width: 850mm
- Safety handrails
- Boom rail
- Non-slip stairway and work area

## ACCESS PLATFORM 1200MM

Part No. 5412174



### CONSTRUCTION

- Heavy-duty aluminium
- Length: 1100mm
- Width: 1000mm
- Self-levelling jacks
- Self-closing gate and safety handrails
- Non-slip stairway and work area

## ACCESS PLATFORM 1400MM

Part No. 5401235



### CONSTRUCTION

- Heavy-duty aluminium
- Length: 2783mm
- Width: 900mm
- Self-levelling jacks
- Self-closing gate
- Safety handrails
- Non-slip stairway and work area

## GENERAL PURPOSE PLATFORMS

### DOOR ACCESS PLATFORM 1500MM

Part No. 5501803



#### CONSTRUCTION

- Heavy-duty aluminium
- Length: 1100mm
- Width: 800mm
- Fitted with removable handrails
- Fitted with self-closing gates
- Fitted with Heavy-duty castors

### ACCESS PLATFORM 1600MM

Part No. 5401183



#### CONSTRUCTION

- Heavy-duty aluminium
- Length: 824mm
- Width: 780mm
- Self-closing gate
- Safety handrails
- Non-slip stairway and work area

### ACCESS PLATFORM WITH OVERHANG 1600MM

Part No. 5001982



#### CONSTRUCTION

- Heavy-duty aluminium
- WLL: 150kg
- Drop-in type boom rail
- Non-Slip Gridmesh Decking
- Lifting lugs included for easy lifting
- SWL markings attached to platform
- Counterweights included for stability

### ACCESS PLATFORM 1700MM

Part No. 5414112



#### CONSTRUCTION

- Heavy-duty aluminium
- Length: 1200mm
- Width: 950mm
- Self-levelling jacks
- Self-closing gate
- Safety handrails
- Non-slip stairway and work area

# GENERAL PURPOSE PLATFORMS

## ACCESS PLATFORM 1800MM

Part No. 5502287



### CONSTRUCTION

- Heavy-duty aluminium
- WLL: 250kg
- Self-closing gates
- Fitted with leveling jacks
- Fitted with forklift slots and wheels
- Non-slip serrated grating stairway and work area

## ACCESS PLATFORM 1850MM

Part No. 5414025



### CONSTRUCTION

- Heavy-duty aluminium
- Length: 2000mm
- Width: 1200mm
- Safety handrails
- Non-slip stairway and work area

## ACCESS PLATFORM 1900MM

Part No. 5412036



### CONSTRUCTION

- Heavy-duty aluminium
- Length: 3903mm
- Width: 1000mm
- Self-levelling jacks
- Self-closing gate and safety handrails
- Non-slip stairway and work area

## ACCESS PLATFORM 2200MM

Part No. 5412038



### CONSTRUCTION

- Heavy-duty aluminium
- Length: 4003mm
- Width: 1100mm
- Self-levelling jacks
- Self-closing gate and safety handrails
- Non-slip stairway and work area

## GENERAL PURPOSE PLATFORMS

### ACCESS PLATFORM 2400MM

Part No. 5502756



#### CONSTRUCTION

- Heavy-duty aluminium
- WLL: 150kg
- Length: 2062mm
- Width: 1276mm
- Boom rail
- Non-slip stairway and work area

### ACCESS PLATFORM 2500MM

Part No. 5401237



#### CONSTRUCTION

- Heavy-duty aluminium
- Length: 4480mm
- Width: 1200mm
- Self-levelling jacks
- Self-closing gate and safety handrails
- Non-slip stairway and work area

“ **MAKING MAINTENANCE  
ON-SITE SAFE, EFFICIENT  
AND EASY** ”



# CONVEYOR PRODUCTS

 [www.bendtechgroup.com.au](http://www.bendtechgroup.com.au)



## CONVEYOR PRODUCTS

Our range of certified conveyor products, parts and solutions is aimed at delivering your site or plant with maintenance solutions that transform safety and streamline processes.

We stock certain parts such as conveyor puller plates and bull noses on the shelf ready for immediate despatch.

We also have a range of spreader bars, racks, support frames and ladders which can be fabricated to your requirements.

### CONVEYOR BELT PULLER CLAMP KIT – 6 TONNE

Part No. 5000227

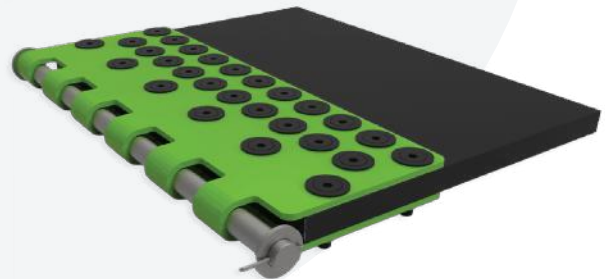


#### CONSTRUCTION

- WLL: 6 Tonne
- 1x Plate
- Pin assembly
- Countersunk bolts, washers and nuts

### CONVEYOR BELT PULLER CLAMP KIT – 9 TONNE

Part No. 5300037

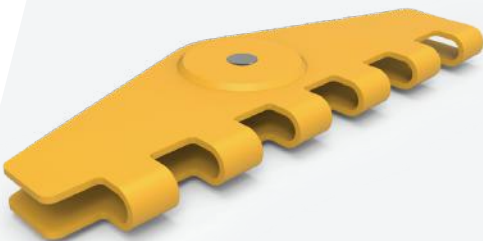


#### CONSTRUCTION

- WLL: 9 Tonne
- 1x Plate
- Pin assembly
- Countersunk bolts, washers and nuts

### CONVEYOR CLAMP ASSEMBLY BULL NOSE PULLER PLATE – 9 TONNE

Part No. 5300035



#### CONSTRUCTION

- WLL: 9 Tonne
- 1x Bull-nose plate
- Pin Assembly

“OUR RANGE OF PULLER PLATES ARE STOCKED FOR IMMEDIATE DESPATCH”

# CONVEYOR PRODUCTS

## CONVEYOR BELT LIFTER SPREADER BAR

Part No. 5501321



### CONSTRUCTION

- Designed for lifting conveyor belts
- Rollers included for ease of lifting
- Various sizes and SWL available

## CONVEYOR IDLER STORAGE AND LIFTING RACK

Part No. 5000223



### CONSTRUCTION

- Fold over locking shroud
- Lifting points and forklift slots for transportation
- We are able to accommodate up to 24 idlers of different sizes and weights.

## HYDRAULIC CONVEYOR BELT LIFTER

Part No. 5502465

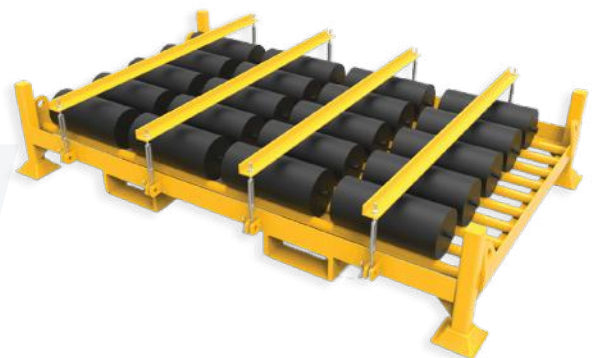


### CONSTRUCTION

- Heavy-duty steel and aluminium
- Electronic hydraulic pump included
- Lightweight and easy to handle
- Various designs available for different belt widths and angles

## CONVEYOR IDLER STORAGE AND TRANSPORT PALLET

Part No. 5000217



### CONSTRUCTION

- Forklift friendly
- Fitted with lifting lugs for easy mobility
- Able to accommodate up to 20 different idlers of various diameters and lengths

## CONVEYOR PRODUCTS

### ALUMINIUM BELT LIFTING SPREADER BAR 1500MM

Part No. 5000235



#### CONSTRUCTION

- Heavy-duty T6 aluminium
- Height: 128mm
- Engineered tough
- Lightweight
- Certified and compliant with Australian Standards – SWL 1 TONNE

### ALUMINIUM BELT LIFTING SPREADER BAR 1800MM

Part No. 5000234

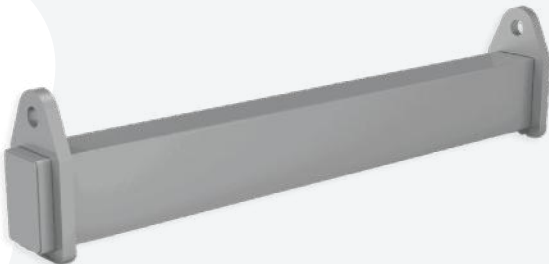


#### CONSTRUCTION

- Heavy-duty T6 aluminium
- Height: 155mm
- Engineered tough
- Lightweight
- Certified and compliant with Australian Standards – SWL 1 TONNE

### ALUMINIUM BELT LIFTER SPREADER BAR 1850MM

Part No. 5502263

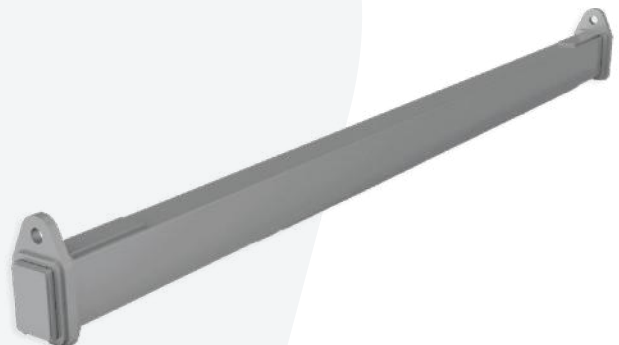


#### CONSTRUCTION

- Heavy-duty T6 aluminium
- WLL: 2 Tonne
- Height: 285mm
- Length: 1955mm
- Width: 155mm
- Engineered tough

### 3000MM ALUMINIUM SPREADER BAR

Part No. 5502431



#### CONSTRUCTION

- Heavy-duty T6 aluminium
- WLL: 2 Tonne
- Height: 285mm
- Length: 3110mm
- Width: 155mm
- Engineered lightweight and tough
- Raw finish

**B**

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# WORKSHOP TRESTLES

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**B**

## WORKSHOP TRESTLES

### 2 TONNE TRESTLE STAND 1000MM (L) X 900MM (H)

Part No. 5001747



#### CONSTRUCTION

- Heavy-duty steel
- Width: 660mm
- Replaceable top section
- Fully engineered and certified
- Stocked off-the-shelf, available for immediate delivery

### 5 TONNE TRESTLE STAND 1000MM (L) X 900MM (H)

Part No. 5001805



#### CONSTRUCTION

- Heavy-duty steel
- Width: 660mm
- Replaceable top section
- Fully engineered and certified
- Stocked off-the-shelf, available for immediate delivery

### 2 TONNE TRESTLE 1000MM (L) X 500MM (H)

Part No. 5503752



#### CONSTRUCTION

- Heavy-duty steel
- Width: 320mm
- Replaceable top section
- Fully engineered and certified
- Stocked off-the-shelf, available for immediate delivery

### 5 TONNE TRESTLE STAND 2400MM (L) X 900MM (H)

Part No. 5001760



#### CONSTRUCTION

- Heavy-duty steel
- Width: 656mm
- Replaceable top section
- Fully engineered and certified
- Stocked off-the-shelf, available for immediate delivery

# WORKSHOP TRESTLES

## 10 TONNE TRESTLE STAND 2400MM (L) X 650MM (H)

Part No. 5001813



### CONSTRUCTION

- Heavy-duty steel
- Width: 515mm
- Replaceable top section
- Fully engineered and certified
- Stocked off-the-shelf, available for immediate delivery

## 2 TONNE TRESTLE WITH WHEELS

Part No. 5503294



### CONSTRUCTION

- Heavy-duty steel
- Width: 760mm
- Replaceable top section
- Fully engineered and certified
- Stocked off-the-shelf, available for immediate delivery

## 10 TONNE TRESTLE STAND 1200MM (L) X 1000MM (H)

Part No. 5504266

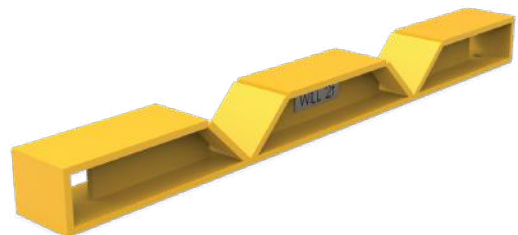


### CONSTRUCTION

- Heavy-duty steel
- Replaceable top section
- Fully engineered and certified
- Stocked off-the-shelf, available for immediate delivery

## 2 TONNE TRESTLE REPLACEMENT TOP

Part No. 5503163



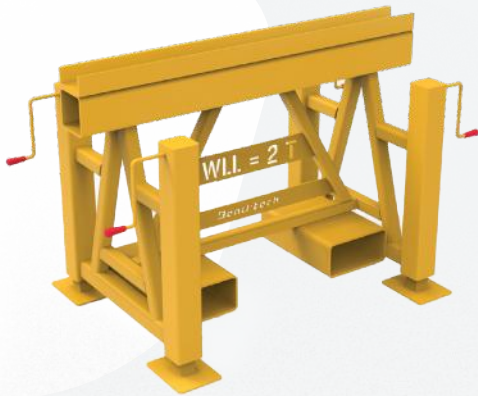
### CONSTRUCTION

- Heavy-duty steel
- Height: 85mm
- Width: 100mm
- Length: 1000mm
- Bolts straight to the trestle
- Solution for stable and safer support of pipe

## WORKSHOP TRESTLES

### ADJUSTABLE TRESTLE 2T

Part No. 5502938

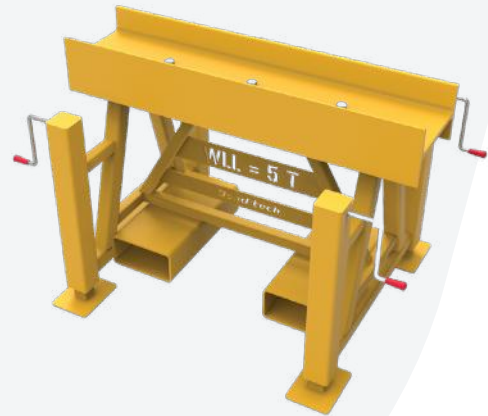


#### CONSTRUCTION

- Heavy-duty steel
- Height: 700mm - 900mm
- Length: 1000mm
- Replaceable top section
- Height adjustable by 200mm via jacking stands
- Stocked off-the-shelf, available for immediate delivery

### ADJUSTABLE TRESTLE 5T

Part No. 5502940



#### CONSTRUCTION

- Heavy-duty steel
- Height: 700mm - 900mm
- Length: 1000mm
- Replaceable top section
- Height adjustable by 200mm via jacking stands



# WORKSHOP BENCHES / CUTTING TABLES

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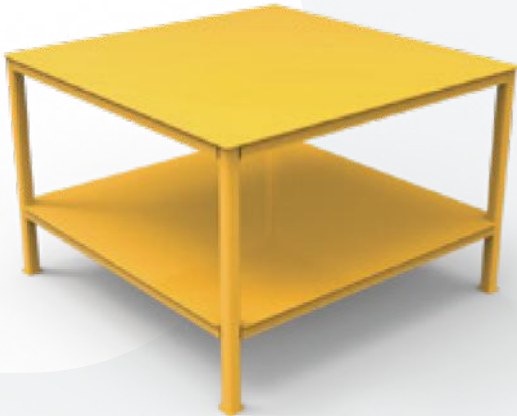


## WORKSHOP

# BENCHES / CUTTING TABLES

### 2 TONNE WORKBENCH 900MM (H)

Part No. 5500766



#### CONSTRUCTION

- Heavy-duty steel
- Certified and compliant with Australian Standards
- This item can be customised to meet your specific needs

### WORKBENCH 2 TONNE 1800MM (L) X 880MM (H)

Part No. 5504008



#### CONSTRUCTION

- Heavy-duty steel
- Fitted with 12mm bench top
- Certified and compliant with Australian Standards

### WORK BENCH 1.5T

Part No. 5502217



#### CONSTRUCTION

- Heavy-duty steel
- Length: 2500mm
- Width: 1200mm
- Height: 1000mm
- Finished in Y-14 safety yellow
- Certified and compliant with Australian Standards

### WORK BENCH WITH BACKBOARD

Part No. 5502194



#### CONSTRUCTION

- Heavy-duty steel
- Length: 1800mm
- Width: 800mm
- Height: 900mm
- Customised to meet specific requirements
- Certified and compliant with Australian Standards

# WORKSHOP BENCHES / CUTTING TABLES

**WORK BENCH 5T**  
**2400MM (L) X 1200MM (W)**  
Part No. 5502201



**CONSTRUCTION**

- Heavy-duty steel
- Height: 900mm
- Fitted with adjustable feet
- Frame blasted, primed and painted red oxide, top unpainted

**HEAVY DUTY WORK BENCH**  
**2400 X 1200MM**  
Part No. 5502330



**CONSTRUCTION**

- Heavy-duty steel
- Height: 965mm
- 25mm top
- Bottom shelf for storage
- OSHA high-visibility Bench Vise included

**HEAVY DUTY WORK BENCH**  
**3000MM X 2000MM**  
Part No. 5502331



**CONSTRUCTION**

- Heavy-duty steel
- Height: 965mm
- 25mm top
- Bottom shelf for storage
- OSHA high-visibility Bench Vise included
- Angle drain channel around edge with drain point

**WORKBENCH WITH VICE 1 TONNE**  
Part No. 5503002



**CONSTRUCTION**

- Heavy-duty steel
- Length: 3000mm
- Includes Dawn 150mm Offset Standard Vise (Part no: 60181)
- Fitted with 10mm bench top

## WORKSHOP BENCHES / CUTTING TABLES

### WORK BENCH WITH ENCLOSED STORAGE

Part No. 5503297



#### CONSTRUCTION

- Heavy-duty steel and hinges
- Length: 2500mm
- Width: 1270mm
- Height: 965mm
- Oil drain lip around perimeter with drain point
- Includes storage underneath with latched access doors

### HEAVY DUTY WORK BENCH 3000MM X 2000MM

Part No. 5504057



#### CONSTRUCTION

- Heavy-duty steel and caster wheels
- Height: 965mm
- 25mm top
- Enclosed bottom shelf for storage
- Angle drain channel around edge with drain point

### HEAVY DUTY WORK BENCH 2400MM X 1500MM

Part No. 5503412



#### CONSTRUCTION

- Heavy-duty steel
- Height: 965mm
- Bottom shelf for storage
- DAWN right hand offset bench vise included

### WELDING WORK BENCH 3000MM (L) X 1800MM (W)

Part No. 5504542



#### CONSTRUCTION

- Heavy-duty steel with vice
- Height: 900mm
- 4x welding torch holsters
- Earth cable connection point

# WORKSHOP BENCHES / CUTTING TABLES

## TOOL STORAGE AND WORKBENCH

Part No. 5503327

### CONSTRUCTION

- Heavy-duty steel
- Length: 6500mm
- Width: 800mm
- Height: 2850mm
- LED lighting fitting at top
- 3x BAC storage modules
- 6x power outlets
- Large shadow boards
- Finished in heavy-duty Y-14 safety yellow



## MOBILE WORK BENCH WITH COVER

Part No. 5602050

### CONSTRUCTION

- Heavy-duty steel
- Length: 3600mm
- Height: 1100mm
- Certified and compliant with Australian Standards
- Heavy-duty German made lockable castors
- Heavy-duty mine spec construction
- Can be customised to meet specific needs



## CATERPILLAR 793F STEERING PUMP DRIVE WORK STAND AND BENCH

Part No. 5503047

### CONSTRUCTION

- Heavy-duty steel
- WLL: 600kg
- Length: 1600mm
- Width: 700mm
- Height: 1830mm
- Fitted with lifting lugs
- Fitted with forklift slots
- Finished in Y-14 safety yellow



## WORKSHOP BENCHES / CUTTING TABLES

### MOBILE FLAME CUTTING TABLE

Part No. 5501032



#### CONSTRUCTION

- SWL: 1T
- Length: 1200mm
- Height: 900mm
- Replaceable support bars
- Heavy duty lockable wheels
- Safer slag collection and easy to empty slag bin

### HEAVY DUTY PLATE CUTTING TABLE

Part No. 5501163



#### CONSTRUCTION

- SWL: 3T
- Length: 2830mm
- Height: 1000mm
- Replaceable support bars
- Heavy duty lockable wheels
- Safer slag collection and easy to empty slag bin

### ALUMINIUM HANDRAIL MOUNTED WORK BENCHES

Part No. 5504026



#### CONSTRUCTION

- Heavy-duty aluminium
- SWL: 1T
- Length: 1000mm
- Width: 500mm
- Edging to stop items falling off
- Attaches securely to handrails

### WORKSHOP TROLLEY AND LOCK BOX

Part No. 5501443



#### CONSTRUCTION

- Heavy-duty steel
- Certified and compliant with Australian Standards
- Fitted with lockable toolbox
- Fitted with heavy-duty castors

# WORKSHOP EFFICIENCY STATIONS

## WORKSHOP EFFICIENCY STATIONS

### E-HUB EFFICIENCY WORK STATION Part No. 5000030

#### CONSTRUCTION

- Supervisors office to have visual and audible notification on receiver unit
- Wireless transmitter
- Phone Call function
- 40 inch screen
- Up to 12-16 units to network
- Transportable
- Robust pipe surrounds
- Powder-coated steel cabinet
- Dust proof cabinets and housing
- Large lockable castors
- Air-cooling system
- Anti-reflective laminated safety glass



### E-HUB EFFICIENCY WORK STATION MINI Part No. 5500866

#### CONSTRUCTION

- 25-inch screen included
- Small whiteboard on front
- Flip-up whiteboard at rear
- 3x heavy duty document clips
- Transportable with handles
- Adequate storage shelving
- Storage for Tags
- Robust pipe surrounds
- Powder-coated steel cabinet
- Dust proof cabinets and housing
- Large lockable castors
- Plug and play



# WORKSHOP EFFICIENCY STATIONS

## WHITEBOARD BENCH WITH DRAWER Part No. 5501318



### CONSTRUCTION

- Heavy-duty steel
- Fitted with clear perspex on drawer to place drawings under
- Fitted with heavy-duty castors
- Can be customised to suit your requirements

## ALUMINIUM WORKSHOP BENCH 1220MM (H) Part No. 5501874



### CONSTRUCTION

- Heavy-duty aluminium
- Length: 1300mm
- Width: 700mm
- Height: 700mm
- Fitted with bottom shelf for storage
- Fitted with heavy-duty wheels for easy mobility

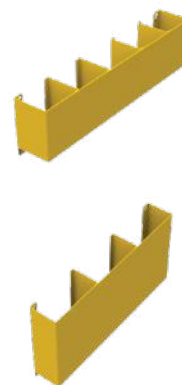
## WORKSHOP WHITEBOARD BENCH Part No. 5001812



### CONSTRUCTION

- Heavy-duty mine spec
- Length: 1480mm
- Width: 700mm
- Height: 2000mm
- Heavy duty castors for workshop mobility
- Can be used for shutdowns or planned maintenance

## WHITEBOARD BENCH COMPARTMENT KIT Part No. 5000033



### CONSTRUCTION

- Heavy-duty mine spec
- Length: 1480mm
- Width: 700mm
- Height: 1900mm
- Compartments kit for storing safety and lockout tags

## WORKSHOP STORAGE BENCHES

### RATED SERVICE WORKBENCH

Part No. 5503300



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 1T
- Length: 1500mm
- Width: 800mm
- Height: 1010mm
- 2x lockable doors
- Fitted with heavy-duty caster wheels

### TOOLBOX TROLLEY

Part No. 5501875



#### CONSTRUCTION

- Length: 900mm
- Width: 670mm
- Height: 945mm
- Large industrial castors
- Lockable doors and drawers
- All drawers on heavy duty rollers
- Heavy-duty top bench for component servicing

### AIR CONDITIONING WORKBENCH

Part No. 5501062



#### CONSTRUCTION

- Length: 904mm
- Width: 682mm
- Height: 959mm
- Large industrial castors
- Lockable doors and drawers
- All drawers on heavy duty rollers
- Heavy duty top bench for component servicing

### STORAGE WORK BENCH WITH VICE

Part No. 5504569



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 1T
- Length: 2700mm
- Width: 1050mm
- Height: 1075mm
- 5-drawer cabinet
- 2-door cabinet
- Heavy-duty vice

# WORKSHOP STORAGE CONTAINERS

## SPECIALISED TOOL BOX

**1295MM X 1200MM**

Part No. 5500903



### CONSTRUCTION

- Heavy-duty steel
- Height: 500mm
- Gas Struts for lid
- Key Lock
- Heavy Duty hydrocarbon resistant foam cut out
- Each Tool has a Specifically CNC routed cutout

## 793F TRAY REMOVAL TOOLING KIT

Part No. 5501445



### CONSTRUCTION

- Heavy-duty steel
- Height: 577mm
- Gas Struts for lid
- Key Lock
- Heavy Duty hydrocarbon resistant foam cut out
- Each Tool has a Specifically CNC routed cutout

## SPECIALISED TOOL BOX

**1550MM X 900MM**

Part No. 5501068



### CONSTRUCTION

- Heavy-duty steel
- Height: 535mm
- Gas Struts for lid
- Key Lock
- Heavy Duty hydrocarbon resistant foam cut out
- Each Tool has a Specifically CNC routed cutout

## SPECIALISED TOOL BOX

**1750MM X 900MM**

Part No. 5500957



### CONSTRUCTION

- Heavy-duty steel
- Height: 500mm
- Gas Struts for lid
- Key Lock
- Heavy Duty hydrocarbon resistant foam cut out
- Each Tool has a Specifically CNC routed cutout

## WORKSHOP STORAGE CONTAINERS

### SPECIALISED TOOLBOX WITH DRAWER

Part No. 5501871



#### CONSTRUCTION

- Heavy-duty steel
- Height: 730mm
- Width: 790mm
- Gas Struts for lid
- Heavy Duty hydrocarbon resistant foam cut out
- Each Tool has a Specifically CNC routed cutout

### EPIROC D65 CLAMP STORAGE TOOLBOX

Part No. 5504044



#### CONSTRUCTION

- Heavy-duty steel
- Height: 500mm
- Gas struts for lid
- Key lock with T handles
- Heavy-duty hydrocarbon resistant foam cut out
- Each tool has a specifically CNC routed cutout

### RATED LIFTING AND TRANSPORT BOX 2T

Part No. 5503167



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 2 Tonne
- Height: 600mm
- Width: 1200mm
- 'T' locking handles
- Gas strut lid

### RAG AND OIL SOAK BIN

Part No. 5502328



#### CONSTRUCTION

- Heavy-duty steel
- Height: 965mm
- Width: 860mm
- Length: 1410mm
- Finished in Y-14 safety yellow

# WORKSHOP STORAGE CONTAINERS

## ALUMINIUM OIL TROLLEY

Part No. 5503434

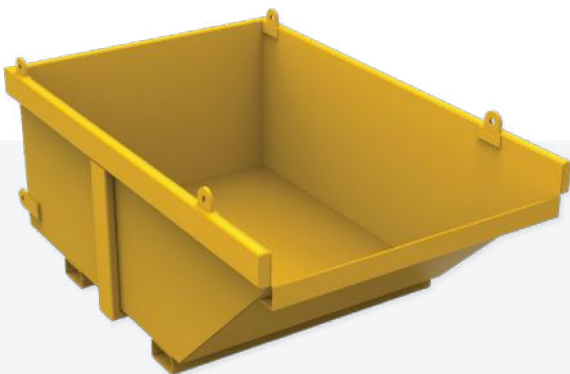


### CONSTRUCTION

- Heavy-duty aluminium
- Oil Capacity: 545L
- Drain point at bottom with BSPT fitting
- Heavy-duty caster wheels
- Push handles at each end
- Grafting at top

## 5T CRANE BIN

Part No. 5500970



### CONSTRUCTION

- Heavy-duty steel
- WLL: 5 Tonne
- Length: 2460mm
- Width: 1612mm
- Height: 1010mm

## TRANSPORT BOXES

Part No. 5503054



### CONSTRUCTION

- Heavy-duty steel
- WLL: 200kg
- Height: 460mm
- Fitted with lifting lugs
- ID tags
- Finished in Y-14 safety yellow

## GET BIN

Part No. 5000096



### CONSTRUCTION

- Heavy-duty steel
- Length: 1200mm
- Width: 1200mm
- Height: 425mm
- Stackable to maximise site space
- Different size and tonnage available

## WORKSHOP STORAGE CONTAINERS

### GET BIN 2400MM X 1200MM Part No. 5503151



#### CONSTRUCTION

- Heavy-duty steel
- Length: 2400mm
- Width: 1200mm
- Height: 450mm
- Stackable to maximise site space
- Available in different size/tonnage

### RATED SERVICE WORKBENCH Part No. 5503300



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 1T
- Length: 1500mm
- Width: 800mm
- Height: 1010mm
- Fitted with heavy-duty caster wheels
- 2x lockable doors

### SPECIALISED FRONT ACCESS TOOLBOX Part No. 5501946



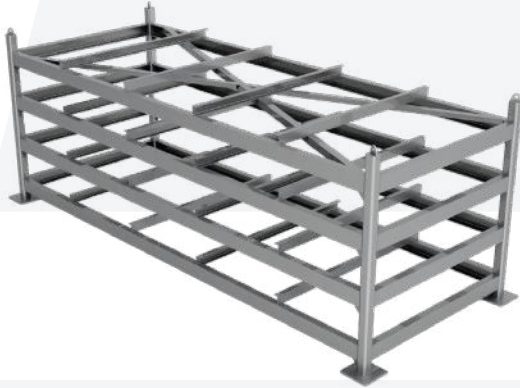
#### CONSTRUCTION

- Heavy-duty steel
- Pins for tool positioning
- Labeled small parts bin with adjustable partitions
- Labeled double height bin with adjustable partitions

# WORKSHOP STORAGE RACKS

## FLAT PLATE STEEL STORAGE RACK - LONG

Part No. 5503197

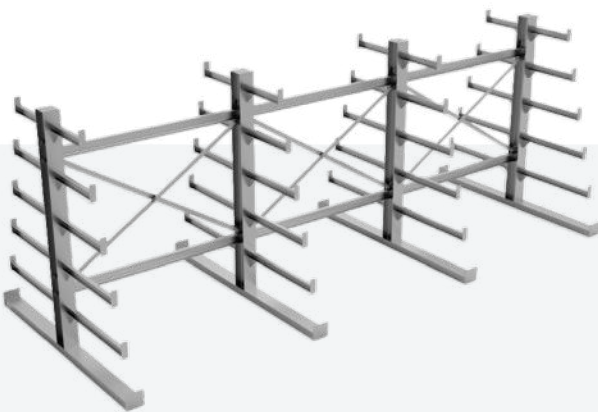


### CONSTRUCTION

- Heavy-duty steel
- WLL: 4T per shelf
- Height: 2075mm
- Length: 5500mm
- Width: 2100mm
- 4 shelves with easy forklift access

## STEEL FREE STANDING STORAGE RACK

Part No. 5003285



### CONSTRUCTION

- Heavy-duty steel
- SWL: 4.8 Tonne Capacity or 400kg per shelf
- Height: 2250mm
- Length: 6000mm
- Lifting eyes for ease of transport
- Forklift friendly for loading your product

## FLAT PLATE STEEL STORAGE RACK

Part No. 5500831



### CONSTRUCTION

- Heavy-duty steel
- WLL: 12T
- Height: 3010mm
- Length: 4625mm
- Width: 2525mm
- 4 shelves with easy fork truck access
- Engineered and certified

## HORIZONTAL PLATE STORAGE RACK

Part No. 5000220



### CONSTRUCTION

- Heavy-duty steel
- SWL: 6.5 Tonne per level (bottom level 10 Tonne)
- Height: 2004mm
- Length: 8000mm
- Forklift friendly for plate loading
- Cantilevered to ensure optimum space utilisation
- Modular design for ease of transport and erection on site

## WORKSHOP STORAGE RACKS

### GENERAL PURPOSE STEEL RACK – LARGE

Part No.

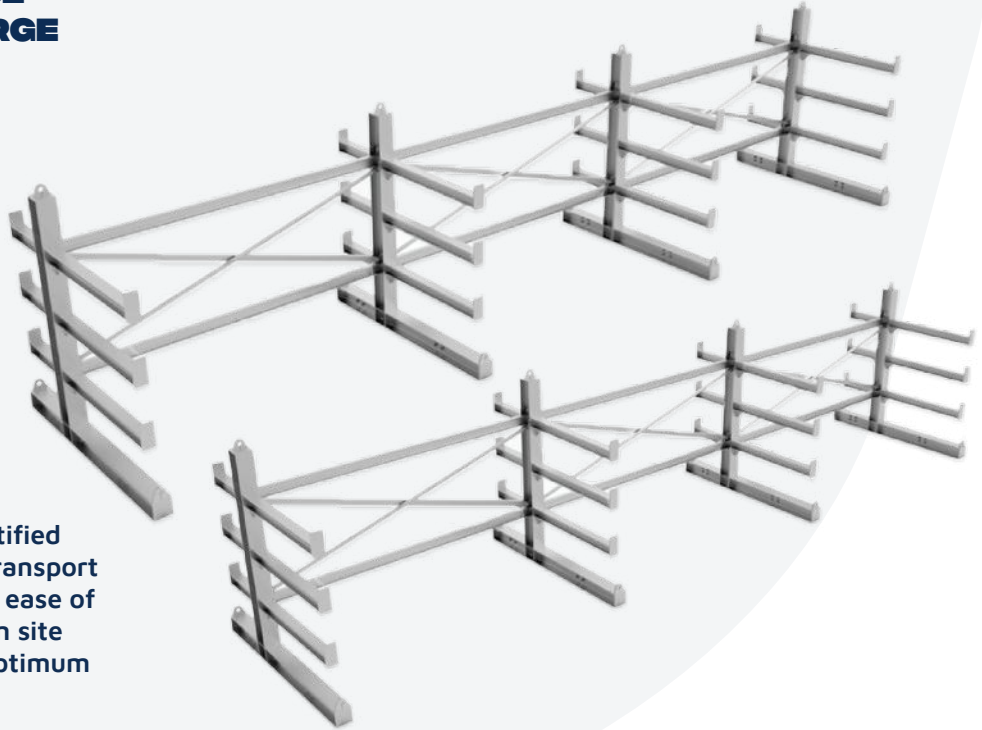
6m – 5000222

7.5m – 5000221

9m – 5000219

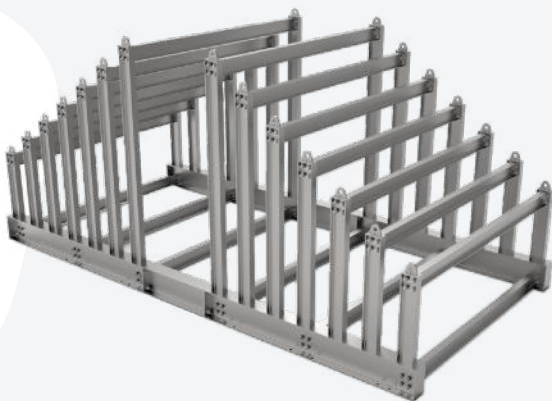
#### CONSTRUCTION

- Heavy-duty steel
- SWL: 3 Tonne per shelf
- 8 shelves (4 either side)
- Fully engineered and certified
- Lifting eyes for ease of transport
- Modular construction for ease of transport and erection on site
- Cantilevered to ensure optimum space utilisation



### SLOPING VERTICAL STEEL PLATE RACK

Part No. 5501254

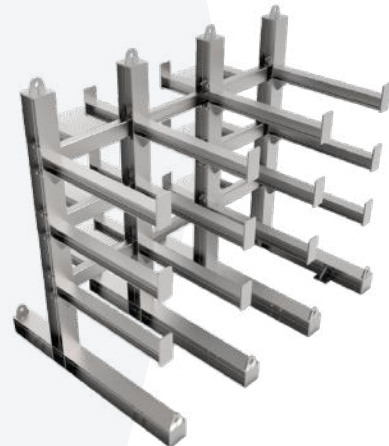


#### CONSTRUCTION

- Heavy-duty steel
- WLL: 4.25T per bay
- Height: 2617mm
- Length: 5747mm
- Width: 2865mm
- Modular design and Lifting eyes for ease of transport

### GENERAL PURPOSE STEEL RACK – SMALL

Part No. 5501168



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 3T per level
- Height: 2144mm
- Length: 2500mm
- Width: 1852mm
- Modular design and Lifting eyes for ease of transport

# WORKSHOP STORAGE RACKS

## VERTICAL STORAGE RACK, STEEL PLATE

Part No. 5500758



### CONSTRUCTION

- Heavy-duty steel
- WLL: 8.5T per bay (51T total)
- Height: 2617mm
- Length: 8175mm
- Width: 2423mm
- Modular design and Lifting eyes for ease of transport

## DRILL ROD RACK

Part No. 5501719

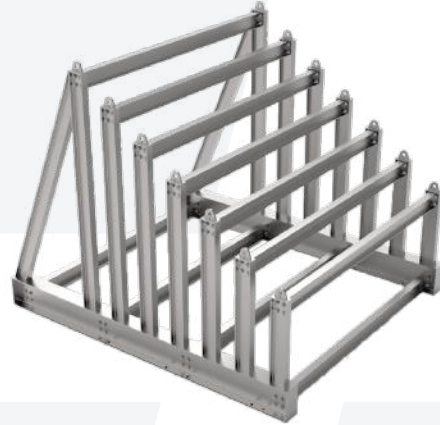


### CONSTRUCTION

- Heavy-duty steel
- Height: 2525mm
- Length: 1784mm
- 5 shelves
- Modular design for easy transport and assembly
- Cantilevered to maximise space utilisation

## HALF SLOPING VERTICAL STEEL RACK

Part No. 5000232



### CONSTRUCTION

- Heavy-duty steel
- WLL: 4.25T per bay
- Height: 2650mm
- Length: 3325mm
- Width: 2865mm
- Modular design and Lifting eyes for ease of transport

## EXTRA HEAVY DUTY VERTICAL PLATE STORAGE RACK

Part No. 5503023



### CONSTRUCTION

- Heavy-duty steel
- WLL: 42T (6T per bay)
- Height: 1500mm
- Length: 4090mm
- Width: 2865mm
- Fitted with lifting eyes for ease of transport

## WORKSHOP STORAGE RACKS

### ALUMINIUM CHAIN RACK

Part No. 5001978



#### CONSTRUCTION

- Heavy-duty aluminium
- WLL: 2T
- Height: 600mm
- Length: 700mm
- Completely TIG welded
- Fitted with handles on each end

### BORE PUMP CRADLE FRAME

Part No. 5501688

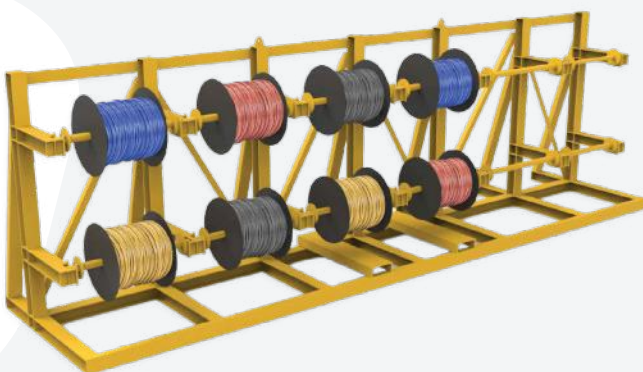


#### CONSTRUCTION

- Heavy-duty steel
- WLL: 1T per level (4T total)
- On-sided Steel Storage rack
- Finished in Safety Yellow
- SWL marking attached

### ELECTRICAL CABLE RACKING

Part No. 5502253

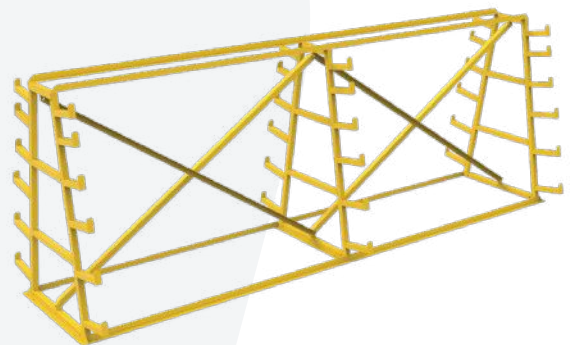


#### CONSTRUCTION

- Heavy-duty steel
- 600kg WLL Bottom Horizontal Bar
- 300kg WLL Top Horizontal Bar
- Finished in Safety Yellow

### LIGHTWEIGHT STEEL RACK

Part No. 5501352



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 180kg per shelf
- Height: 1855mm
- Length: 5080mm
- Designed to store pipework and steel sections
- Finished in Y14 safety yellow

# WORKSHOP STORAGE RACKS

## SHEET STORAGE RACK

Part No. 5502120

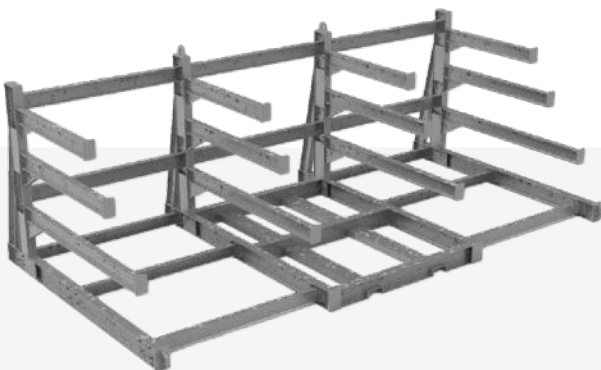


### CONSTRUCTION

- Heavy-duty steel
- WLL: 300kg per shelf
- Height: 1700mm
- Length: 2800mm
- Lifting eyes
- Cantilevered to ensure optimum space utilisation

## FLEXIBLE SHEETING AND GRIDMESH STORAGE RACK

Part No. 5502251



### CONSTRUCTION

- Heavy-duty steel
- WLL: 3T per shelf
- Height: 2080mm
- Length: 5850mm
- Lifting eyes
- Cantilevered to ensure optimum space utilisation

## ELECTRICAL EQUIPMENT STORAGE RACK

Part No. 5502091



### CONSTRUCTION

- Heavy-duty steel
- WLL: 400kg per level
- Modular design and Lifting eyes for ease of transport
- Finished in Y-14 safety yellow
- Certified and compliant with Australian Standards

## STEEL PLATE RACK ON WHEELS

Part No. 5502344



### CONSTRUCTION

- Heavy-duty steel
- WLL: 3T
- Height: 1510mm
- Length: 2900mm
- Handles for easy mobility
- Fitted with high quality German made Caster Wheels

## WORKSHOP STORAGE RACKS

### STEEL PIPE STORAGE RACK - SMALL

Part No. 5502817



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 400kg per shelf
- Height: 1200mm
- Length: 5808mm
- Free standing
- Finished in Y-14 safety yellow

### STEEL PIPE STORAGE RACK

Part No. 5502089



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 400Kg per level
- Finished in Safety Yellow
- Free standing, eliminating the need to bolt to the ground

### TRAY ROPES STORAGE RACK

Part No. 5502714



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 250kg per arm
- Height: 1700mm
- Length: 2050mm
- Fitted with lifting lugs
- Finished in Y-14 safety yellow

### MOBILE STORAGE SIGN RACK

Part No. 5413086



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 500kg
- Height: 850mm
- Length: 1200mm
- Width: 1200mm
- Compact design for back of ute transport

# WORKSHOP STORAGE RACKS

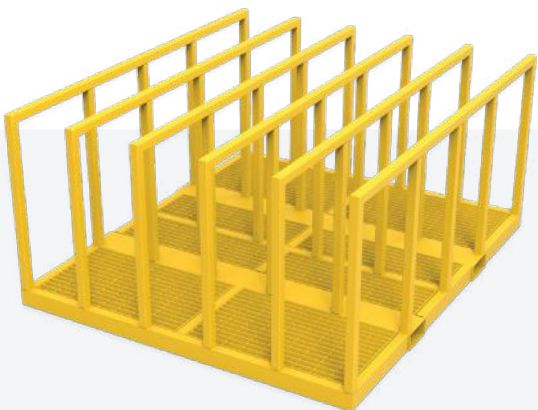
**GENERAL WORKSHOP  
STORAGE RACK**  
Part No. 5412138



**CONSTRUCTION**

- Heavy-duty steel
- WLL: 250kg per shelf
- Height: 1795mm
- Length: 2200mm
- Width: 1000mm
- Wheel chock storage compartment

**MOBILE STEEL PLATE RACK**  
Part No. 5501647



**CONSTRUCTION**

- Heavy-duty steel
- Height: 1000mm
- Length: 2000mm
- Width: 2300mm
- Can be customised to your requirements

**STEEL CHAIN RACK**  
Part No. 5501752



**CONSTRUCTION**

- Heavy-duty steel
- WLL: 100kg per hook on outside of frame
- WLL: 200kg per hook on other location
- Height: 1450mm
- Fitted with lifting lugs

**FREESTANDING CHAIN RACK**  
Part No. 5501441



**CONSTRUCTION**

- Heavy-duty steel
- WLL: 50kg per hanger
- Finished in Y-14 safety yellow
- Certified and compliant with Australian Standards

## WORKSHOP STORAGE RACKS

### DRILL HAMMER STORAGE RACK

Part No. 5500867



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 720kg
- Height: 1000mm
- Engineered and certified
- Chain restraints for drill hammers
- Easily moved around

### LIFTING CHAIN STORAGE RACK

Part No. 5502174



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 200kg per arm (2T total)
- Height: 1670mm
- Length: 2000mm
- Width: 1000mm
- Certified and compliant with Australian Standards

### CABLE DRUM STAND

Part No. 5501144



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 3T
- Height: 1460mm
- Length: 1800mm
- Width: 1600mm
- Certified and compliant with Australian Standards

## WORKSHOP STANDS 1 - 15 TONNE

### GENERAL PURPOSE WORK STAND 3 TONNE 500MM (H)

Part No. 5412026



#### CONSTRUCTION

- Heavy-duty steel
- SWL: 3 Tonne
- Fully engineered and certified

### GENERAL PURPOSE WORK STAND 10 TONNE 500MM (H)

Part No. 5414004

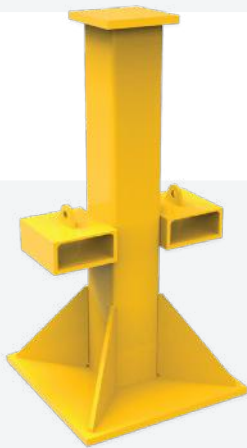


#### CONSTRUCTION

- Heavy-duty steel
- SWL: 10 Tonne
- Fully engineered and certified

### GENERAL PURPOSE WORK STAND 10 TONNE 1020MM (H)

Part No. 5414124

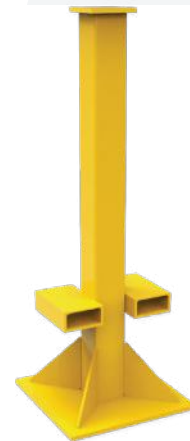


#### CONSTRUCTION

- Heavy-duty steel
- SWL: 10 Tonne
- Engineered and certified

### GENERAL PURPOSE WORK STAND 10 TONNE 1700MM (H)

Part No. 5413031



#### CONSTRUCTION

- Heavy-duty steel
- SWL: 10 Tonne
- Length: 600mm
- Width: 600mm
- Engineered and certified

## WORKSHOP STANDS 1 - 15 TONNE

### GENERAL PURPOSE WORK STAND 10 TONNE 2400MM (H)

Part No. 5414068



#### CONSTRUCTION

- Heavy-duty steel
- SWL: 10 Tonne
- Fully engineered and certified

### GENERAL PURPOSE WORK STAND 10 TONNE 3000MM (H)

Part No. 5412204



#### CONSTRUCTION

- Heavy-duty steel
- SWL: 10 Tonne
- Fully engineered and certified

### GENERAL PURPOSE WORK STAND 10 TONNE SQUARE TOP

Part No. 5000004



#### CONSTRUCTION

- Heavy-duty steel
- SWL: 10 Tonne
- Length: 500mm
- Width: 500mm
- Engineered and certified

### GENERAL PURPOSE WORK STAND 10 TONNE

Part No. 5501658



#### CONSTRUCTION

- Heavy-duty steel
- SWL: 10 Tonne
- Length: 2000mm
- Width: 2300mm
- Engineered and certified

## WORKSHOP STANDS 1 - 15 TONNE

### WORK STAND WITH RETRACTABLE WHEELS 10 TONNE 2400MM (H)

Part No. 5501592

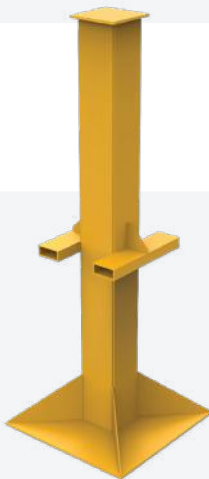


#### CONSTRUCTION

- Heavy-duty steel
- WLL: 10 Tonne
- Fitted with forklift slots
- Fitted with retractable wheels
- Fully engineered and certified

### GENERAL PURPOSE WORK STAND 10 TONNE 3300MM (H)

Part No. 5504681



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 10 Tonne
- Length: 1000mm
- Width: 1150mm
- Fully engineered and certified

### STEEL SUPPORT STAND ON WHEELS

Part No. 5501714

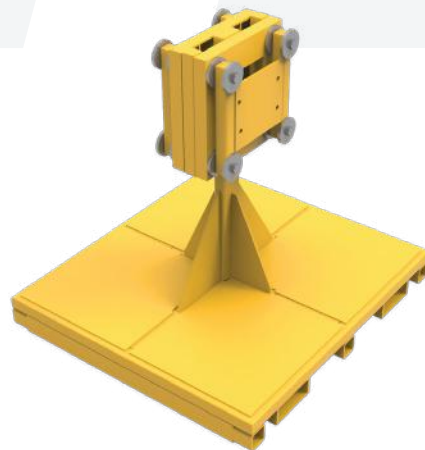


#### CONSTRUCTION

- Heavy-duty steel
- WLL: 500kg
- Height: 740mm
- Length: 600mm
- Width: 720mm
- Fully engineered and certified

### WATER PUMP DRIVE STAND

Part No. 5502871



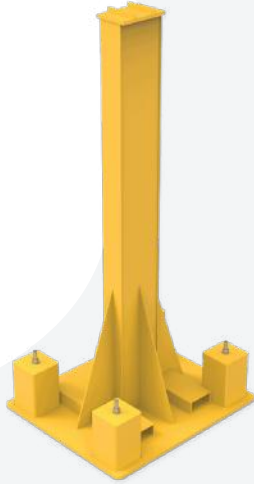
#### CONSTRUCTION

- Heavy-duty steel
- WLL: 1.5 Tonne
- Height: 1105mm
- Length: 1100mm
- Width: 1200mm
- Painted in company or site colours upon request

## WORKSHOP STANDS 1 - 15 TONNE

### GENERAL PURPOSE WORK STAND 10 TONNE 2400MM (H)

Part No. 5502846



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 10 Tonne
- Length: 1000mm
- Width: 1150mm
- Fitted with forklift slots

### GENERAL PURPOSE WORK STAND 15 TONNE 730MM (H)

Part No. 5401121



#### CONSTRUCTION

- Heavy-duty steel
- SWL: 15 Tonne
- Height: 730mm
- Forklift friendly for plate loading
- Fully engineered and certified

### GENERAL PURPOSE ADJUSTABLE STAND 10 TONNE

Part No. 5503166



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 10 Tonne
- Pin-lock adjusting system
- 100mm increments
- Lifting lugs on top section to remove manual handling risks

## WORKSHOP STANDS

# 16 - 30 TONNE

### GENERAL PURPOSE WORK STAND 20 TONNE 800MM (H)

Part No. 5401137

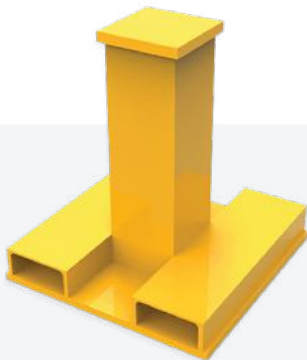


#### CONSTRUCTION

- Heavy-duty steel
- WLL: 20 Tonne
- Height: 800mm
- Fully engineered and certified

### GENERAL PURPOSE WORK STAND 25 TONNE 600MM (H)

Part No. 5401116

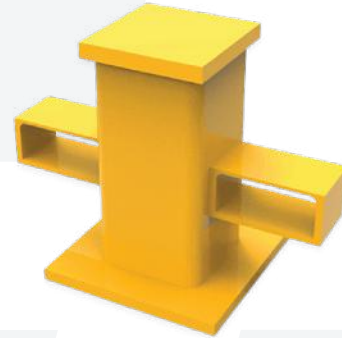


#### CONSTRUCTION

- Heavy-duty steel
- WLL: 25 Tonne
- Height: 600mm
- Fully engineered and certified

### GENERAL PURPOSE WORK STAND 25 TONNE 400MM (H)

Part No. 5000006



#### CONSTRUCTION

- Heavy-duty steel
- SWL: 25 Tonne
- Height: 400mm
- Fully engineered and certified

### GENERAL SUPPORT WORK STAND 30 TONNE 655MM (H)

Part No. 5501038



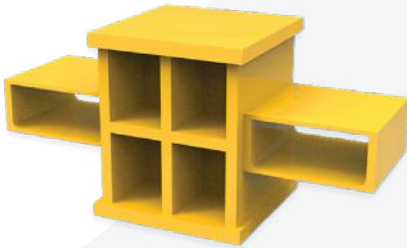
#### CONSTRUCTION

- Heavy-duty steel
- SWL: 30 Tonne
- Fully engineered and certified

## WORKSHOP STANDS 16 - 30 TONNE

### GENERAL PURPOSE WORK STAND 30 TONNE 270MM (H)

Part No. 5412032



#### CONSTRUCTION

- Heavy-duty steel
- SWL: 30 Tonne
- Height: 270mm
- Fully engineered and certified

### GENERAL PURPOSE WORK STAND 30 TONNE 2000MM (H)

Part No. 5410135

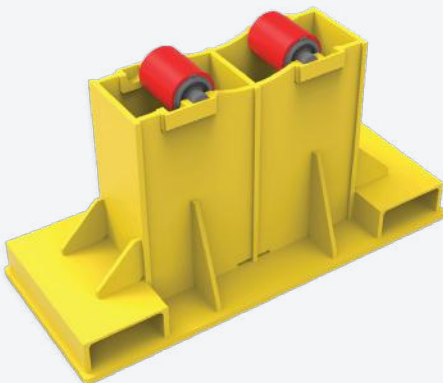


#### CONSTRUCTION

- Heavy-duty steel
- SWL: 30 Tonne
- Length: 1400mm
- Width: 1400mm
- Fully engineered and certified

### GENERAL SUPPORT WORK STAND 16 TONNE 458MM (H)

Part No. 5001963



#### CONSTRUCTION

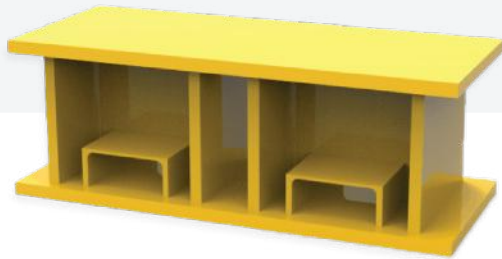
- Heavy-duty steel
- WLL: 25 Tonne
- Length: 900mm
- Width: 375mm
- Fully engineered and certified

## WORKSHOP STANDS

# 31 - 60 TONNE

### GENERAL PURPOSE WORK STAND 45 TONNE 305MM (H)

Part No. 5401153



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 45 Tonne
- Height: 305mm
- Fully engineered and certified

### GENERAL SUPPORT STAND 50 TONNE 670MM (H)

Part No. 5511038



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 50 Tonne
- Fully engineered and certified

### GENERAL PURPOSE WORK STAND 45 TONNE 680MM (H)

Part No. 5413077

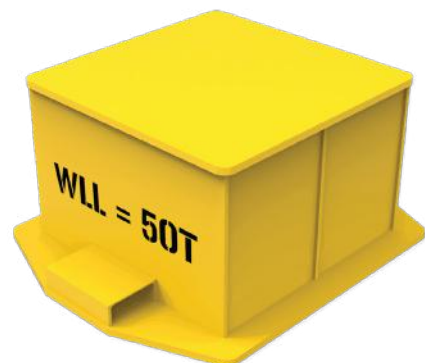


#### CONSTRUCTION

- Heavy-duty steel
- WLL: 45 Tonne
- Height: 680mm
- Fully engineered and certified

### GENERAL SUPPORT STAND 50 TONNE 600MM (H)

Part No. 5500988



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 50 Tonne
- Height: 600mm

## WORKSHOP STANDS 31 - 60 TONNE

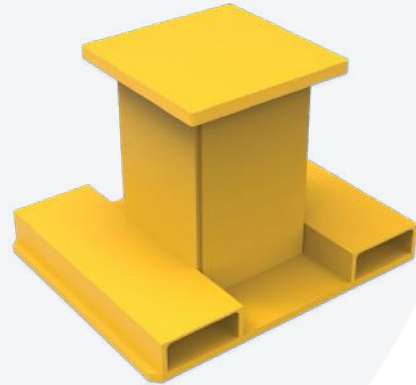
**GENERAL PURPOSE WORK  
STAND 60 TONNE 1160MM (H)**  
Part No. 5412029



**CONSTRUCTION**

- Heavy-duty steel
- WLL: 60 Tonne
- Height: 1160mm
- Fully engineered and certified

**GENERAL PURPOSE WORK  
STAND 60 TONNE 500MM (H)**  
Part No. 5503149



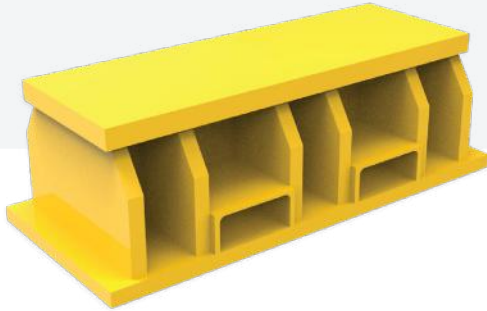
**CONSTRUCTION**

- Heavy-duty steel
- WLL: 60 Tonne
- Height: 500mm
- Fully engineered and certified

# WORKSHOP STANDS

## 80+ TONNE

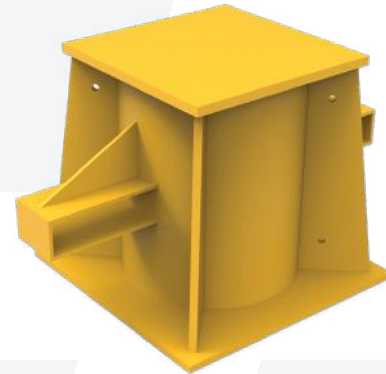
**GENERAL PURPOSE WORK STAND 80 TONNE 300MM (H)**  
Part No. 5000009



**CONSTRUCTION**

- Heavy-duty steel
- SWL: 80 Tonne
- Length: 900mm
- Fully engineered and certified

**GENERAL PURPOSE STAND 80 TONNE 650MM (H)**  
Part No. 5502989



**CONSTRUCTION**

- Heavy-duty steel
- WLL: 80 Tonne
- Length: 720mm
- Fully engineered and certified

**GENERAL PURPOSE WORK STAND 80 TONNE 1200MM (H)**  
Part No. 5001749



**CONSTRUCTION**

- Heavy-duty steel
- SWL: 80 Tonne
- Length: 780mm
- Fully engineered and certified

**GENERAL PURPOSE WORK STAND 90 TONNE 1200MM (H)**  
Part No. 5412079



**CONSTRUCTION**

- Heavy-duty steel
- SWL: 90 Tonne
- Height: 1200mm
- Fully engineered and certified

## WORKSHOP STANDS 80+ TONNE

### GENERAL PURPOSE WORK STAND 100 TONNE SQUARE TOP

Part No. 5512169



#### CONSTRUCTION

- Heavy-duty steel
- SWL: 100 Tonne
- Height: 1200mm
- Fully engineered and certified

### GENERAL PURPOSE WORK STAND 100 TONNE ROUND TOP

Part No. 5401192

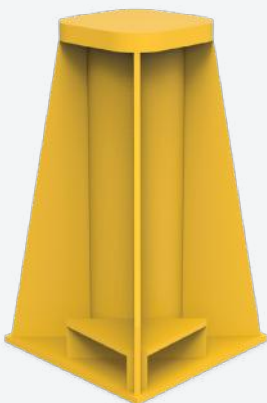


#### CONSTRUCTION

- Heavy-duty steel
- WLL: 100 Tonne
- Length: 1200mm
- Fully engineered and certified

### GENERAL PURPOSE STAND 120 TONNE 970MM (H)

Part No. 5503835



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 120 Tonne
- Length: 560mm
- Fully engineered and certified

### GENERAL PURPOSE WORK STAND 270 TONNE

Part No. 5001988



#### CONSTRUCTION

- Heavy-duty steel
- WLL: 270 Tonne
- Fully engineered and certified





# STEEL RANGE

# STEEL RANGE UNI BEAMS



CODE	SECTION			LENGTH	KG/PL
93751	150	UB	14	12000	168.0
104502	150	UB	14	15000	210.0
94227	150	UB	18	12000	216.0
103102	150	UB	18	15000	270.0
102345	180	UB	16.1	12000	193.2
90991	180	UB	18.1	12000	217.2
97190	180	UB	18.1	15000	271.5
103558	180	UB	22.2	12000	266.4
90992	200	UB	18.2	12000	218.4
104249	200	UB	18.2	15000	273.0
93113	200	UB	22.3	12000	267.6
93753	200	UB	22.3	15000	334.5
93649	200	UB	25.4	9000	228.6
92388	200	UB	25.4	12000	304.8
92386	200	UB	25.4	15000	381.0
93011	200	UB	29.8	12000	357.6
93012	200	UB	29.8	15000	447.0
90993	250	UB	25.7	9000	231.3
92245	250	UB	25.7	12000	308.4
100436	250	UB	25.7	15000	385.5
104505	250	UB	25.7	18000	462.6
92891	250	UB	31.4	12000	376.8
95673	250	UB	31.4	13500	423.9
93754	250	UB	31.4	15000	471.0
103670	250	UB	31.4	16500	518.1
97283	250	UB	37.3	12000	447.6
100426	250	UB	37.3	13500	503.6
97180	250	UB	37.3	15000	559.5
97179	250	UB	37.3	18000	671.4

## PLANT AND SITE MAINTENANCE SUPPORT

92898	310	UB	32	12000	384.0
93756	310	UB	32	15000	480.0
95762	310	UB	32	18000	576.0
93757	310	UB	40.4	10500	424.2
92896	310	UB	40.4	12000	484.8
93759	310	UB	40.4	15000	606.0
99539	310	UB	40.4	16500	666.6
94938	310	UB	40.4	18000	727.2
96754	310	UB	46.2	12000	554.4
104506	310	UB	46.2	13500	623.7
96356	310	UB	46.2	15000	693.0
96955	310	UB	46.2	18000	831.6
92897	360	UB	44.7	12000	536.4
104352	360	UB	44.7	13500	603.5
95876	360	UB	44.7	15000	670.5
104590	360	UB	44.7	16500	737.6
94939	360	UB	44.7	18000	804.6
94224	360	UB	50.7	12000	608.4
96755	360	UB	50.7	15000	760.5
104591	360	UB	50.7	16500	836.6
97178	360	UB	50.7	18000	912.6
102259	360	UB	56.7	12000	680.4
104515	360	UB	56.7	15000	850.5
104593	360	UB	56.7	16500	935.6
103120	360	UB	56.7	18000	1020.6
93899	410	UB	53.7	12000	644.4
95371	410	UB	53.7	13500	725.0
95444	410	UB	53.7	15000	805.5
104595	410	UB	53.7	16500	886.1
93156	410	UB	53.7	18000	966.6
96756	410	UB	59.7	12000	716.4
96757	410	UB	59.7	15000	895.5
100842	410	UB	59.7	18000	1074.6
97118	460	UB	67.1	12000	805.2
104598	460	UB	67.1	13500	905.9
95446	460	UB	67.1	15000	1006.5
104599	460	UB	67.1	16500	1107.2
95447	460	UB	67.1	18000	1207.8

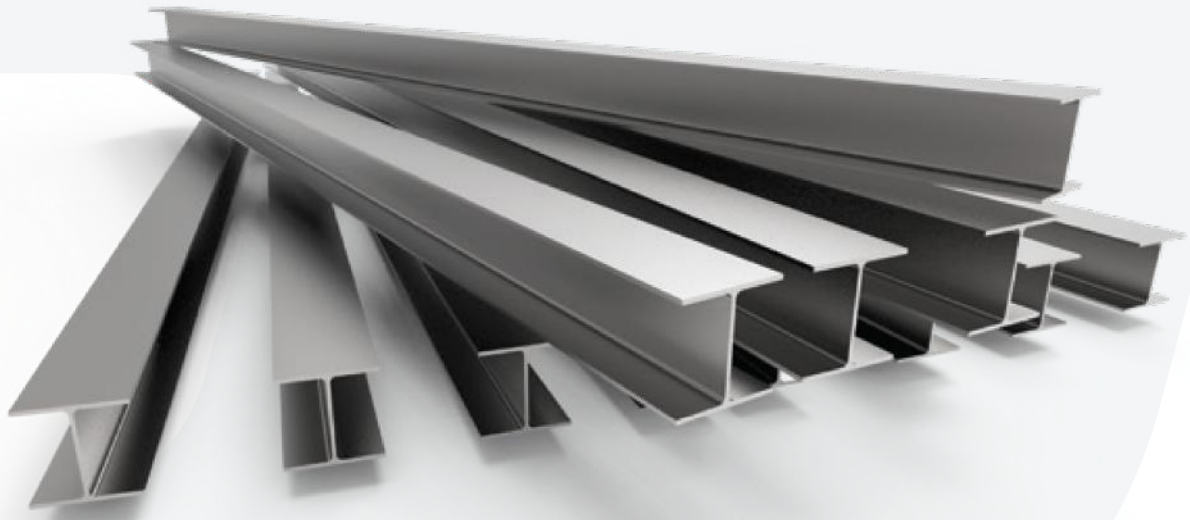
# STEEL RANGE UNI BEAMS

100394	460	UB	74.6	12000	895.2
96758	460	UB	74.6	15000	1119.0
95760	460	UB	74.6	18000	1342.8
101105	460	UB	82	12000	984.0
104604	460	UB	82	15000	1230.0
104606	460	UB	82	18000	1476.0
103022	530	UB	82	12000	984.0
104512	530	UB	82	13500	1107.0
95448	530	UB	82	15000	1230.0
104607	530	UB	82	16500	1353.0
95449	530	UB	82	18000	1476.0
94225	530	UB	92.4	12000	1108.8
94226	530	UB	92.4	15000	1386.0
96759	530	UB	92.4	18000	1663.2
100058	610	UB	101	12000	1212.0
95450	610	UB	101	15000	1515.0
95451	610	UB	101	18000	1818.0
20659	610	UB	113	12000	1356.0
104609	610	UB	113	15000	1695.0
104611	610	UB	113	18000	2034.0
19848	610	UB	125	12000	1500.0
104612	610	UB	125	15000	1875.0
101696	610	UB	125	18000	2250.0

## TAPER FLANGE BEAMS

CODE	SECTION			LENGTH	KG/PL
91693	100	TFB	45	12000	86.4
19810	125	TFB	65	12000	166.7

## STEEL RANGE UNI COLUMNS



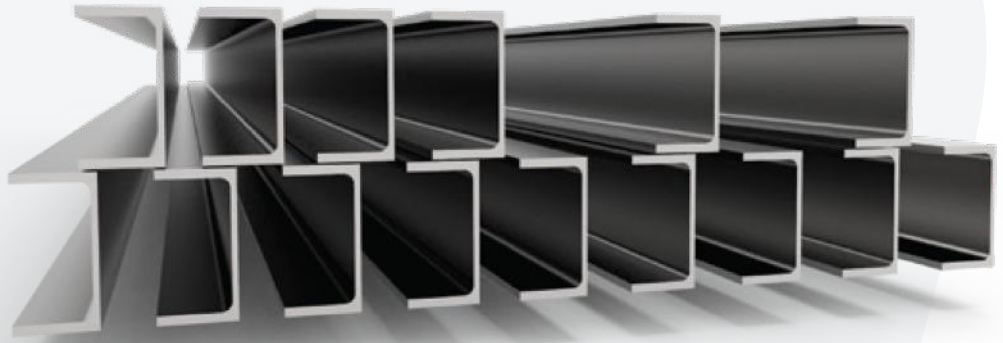
CODE		SECTION		LENGTH	KG/PL
93565	100	UC	14.8	12000	177.6
95455	150	UC	23.4	12000	280.8
13707	150	UC	23.4	13500	315.9
95456	150	UC	23.4	15000	351.0
95457	150	UC	30	12000	360.0
95458	150	UC	30	15000	450.0
98695	150	UC	37.2	12000	446.4
12644	150	UC	37.2	15000	558.0
95459	200	UC	46.2	12000	554.4
102774	200	UC	46.2	13500	623.7
95460	200	UC	46.2	15000	693.0
95461	200	UC	46.2	18000	831.6
97973	200	UC	52.2	12000	626.4
104503	200	UC	52.2	13500	704.7
97974	200	UC	52.2	15000	783.0
104514	200	UC	52.2	18000	939.6
100843	200	UC	59.5	12000	714.0
100844	200	UC	59.5	15000	892.5
100845	200	UC	59.5	18000	1071.0



## STEEL RANGE UNI COLUMNS

95462	250	UC	72.9	12000	874.8
20785	250	UC	72.9	13500	984.2
95463	250	UC	72.9	15000	1093.5
95464	250	UC	72.9	18000	1312.2
90220	250	UC	89.5	12000	1074.0
20787	250	UC	89.5	13500	1208.3
20788	250	UC	89.5	15000	1342.5
11971	250	UC	89.5	18000	1611.0
96838	310	UC	96.8	12000	1161.6
104682	310	UC	96.8	13500	1306.8
97513	310	UC	96.8	15000	1452.0
97514	310	UC	96.8	18000	1742.4
20579	310	UC	118	12000	1416.0
20793	310	UC	118	15000	1770.0
13407	310	UC	118	18000	2124.0
104508	310	UC	137	12000	1644.0
13258	310	UC	137	15000	2055.0
13408	310	UC	137	18000	2466.0
20875	310	UC	158	12000	1896.0
20952	310	UC	158	15000	2370.0
20874	310	UC	158	18000	2844.0

# STEEL RANGE CHANNELS



CODE	SECTION			LENGTH	KG/PL
93815	75	x	40	9000	53.3
130428	75	x	40	12000	71.1
90109	100	x	50	9000	74.8
20830	100	x	50	12000	99.8
94873	125	x	65	9000	107.1
5105	125	x	65	12000	142.8
89460	150	x	75	9000	159.3
88728	150	x	75	12000	212.4
92389	150	x	75	15000	265.5
89358	180	x	75	9000	188.1
90245	180	x	75	12000	250.8
95452	180	x	75	15000	313.5
90246	200	x	75	9000	206.1
90247	200	x	75	12000	274.9
95250	200	x	75	15000	343.5
93750	230	x	75	12000	301.2
94054	230	x	75	15000	376.5
88924	250	x	90	9000	319.5
90250	250	x	90	12000	426.1
97515	250	x	90	15000	532.5
20885	250	x	90	18000	639.0
90248	300	x	90	12000	481.5
96730	300	x	90	15000	601.5
102721	300	x	90	18000	721.8
95453	380	x	100	12000	662.7
95454	380	x	100	15000	828.5
101426	380	x	100	18000	993.6

# STEEL RANGE

## RHS BLACK



CODE	SECTION					LENGTH	PACK	KG/PL
87824	20	x	20	x	1.6	6500	96	5.7
87825	25	x	25	x	1.6	6500	100	7.3
88835	25	x	25	x	2	6500	100	8.9
88836	25	x	25	x	2.5	6500	100	10.7
88837	25	x	25	x	3	6500	100	12.3
87826	30	x	30	x	1.6	8000	100	11
89193	30	x	30	x	2	8000	100	13.5
89194	30	x	30	x	2.5	8000	100	16.3
88892	30	x	30	x	3	8000	64	18.9
88383	35	x	35	x	1.6	8000	100	13.1
89195	35	x	35	x	2	8000	100	16
89196	35	x	35	x	2.5	8000	64	19.4
89161	35	x	35	x	3	8000	64	22.7
88839	40	x	40	x	2	8000	81	18.5
88732	40	x	40	x	2.5	8000	64	22.6
88840	40	x	40	x	3	8000	64	26.4
89197	40	x	40	x	4	8000	49	33.8
103482	50	x	20	x	2.5	8000	72	19.4
88844	50	x	25	x	1.6	8000	96	14
88845	50	x	25	x	2	8000	96	17.2
88291	50	x	25	x	2.5	8000	72	21
88194	50	x	25	x	3	8000	60	24.6
87827	50	x	50	x	1.6	8000	64	19

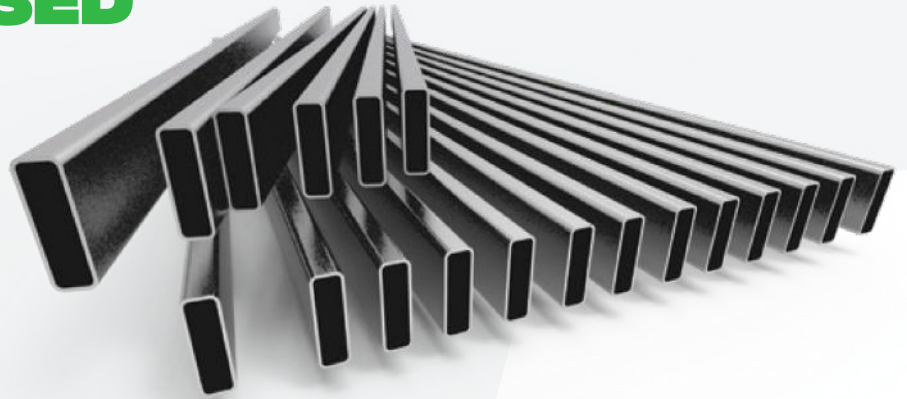
CODE	SECTION					LENGTH	PACK	KG/PL
88804	50	x	50	x	2	8000	64	23.5
88841	50	x	50	x	2.5	8000	49	28.7
87828	50	x	50	x	3	8000	49	34
88195	50	x	50	x	4	8000	36	43.3
88286	50	x	50	x	5	8000	30	51.9
143655	50	x	50	x	6	8000	25	58.56
15996	65	x	35	x	2	8000	54	23.5
89171	65	x	35	x	2.5	8000	54	28.7
89172	65	x	35	x	3	8000	45	34
16014	65	x	35	x	4	8000	35	43.6
89198	65	x	65	x	2	8000	42	31.1
89199	65	x	65	x	2.5	8000	42	38.3
89200	65	x	65	x	3	8000	36	45.3
89201	65	x	65	x	4	8000	30	57.9
89202	65	x	65	x	5	8000	25	70
86752	65	x	65	x	6	8000	20	80.8
89175	75	x	25	x	2	8000	65	23.5
89176	75	x	25	x	2.5	8000	48	28.7
89177	75	x	50	x	2	8000	42	29.7
88846	75	x	50	x	2.5	8000	42	36.7
88847	75	x	50	x	3	8000	35	43.4
88848	75	x	50	x	4	8000	28	55.4
15775	75	x	50	x	5	8000	24	66.8
88196	75	x	50	x	6	8000	20	77.4
87829	75	x	75	x	2.5	8000	30	44.5
87830	75	x	75	x	3	8000	30	52.8
87831	75	x	75	x	4	8000	25	68
88197	75	x	75	x	5	8000	20	82.5
104652	75	x	75	x	6	8000	16	97.3
89204	89	x	89	x	3.5	8000	20	72.6
89205	89	x	89	x	5	8000	16	100
89206	89	x	89	x	6	8000	12	117.6

CODE	SECTION					LENGTH	PACK	KG/PL
89180	100	x	50	x	2	8000	32	36
88849	100	x	50	x	2.5	8000	32	44.5
88850	100	x	50	x	3	8000	32	52.8
88851	100	x	50	x	4	8000	24	68.4
89182	100	x	50	x	5	8000	18	83.3
88965	100	x	50	x	6	8000	15	96.1
88842	100	x	100	x	3	8000	20	71.7
88843	100	x	100	x	4	8000	16	93.5
93212	100	x	100	x	4	12000	12	139.2
104569	100	x	100	x	5	8000	12	113.6
89896	100	x	100	x	5	12000	9	169.5
88285	100	x	100	x	6	8000	12	133.6
90994	100	x	100	x	6	12000	9	200.4
89208	100	x	100	x	9	8000	9	188
91750	100	x	100	x	9	12000	6	282
87832	125	x	75	x	3	8000	20	71.7
87833	125	x	75	x	4	8000	15	92.8
16006	125	x	75	x	4	12000	15	140.8
89024	125	x	75	x	5	8000	15	113.7
89025	125	x	75	x	6	8000	12	133.6
15998	125	x	125	x	4	8000	12	118.7
91751	125	x	125	x	4	12000	9	178.5
89209	125	x	125	x	5	8000	9	145.7
16009	125	x	125	x	5	12000	9	218.9
89210	125	x	125	x	6	8000	9	172.6
92232	125	x	125	x	6	12000	6	258.9
90104	125	x	125	x	9	8000	8	244.8
94879	125	x	125	x	9	12000	8	367.2002
89183	150	x	50	x	3	8000	21	71.7
89184	150	x	50	x	4	8000	15	92.8
89185	150	x	50	x	5	8000	15	114.7
96768	150	x	50	x	6	8000	15	134.9
89186	150	x	100	x	4	8000	12	118.4
91558	150	x	100	x	4	12000	9	177.7
89187	150	x	100	x	5	8000	12	145.7

CODE	SECTION					LENGTH	PACK	KG/PL
93734	150	x	100	x	5	12000	12	218.4
90710	150	x	100	x	6	8000	9	171.2
131022	150	x	100	x	6	12000	6	256.8
89188	150	x	100	x	9	8000	6	244.8
90221	150	x	100	x	9	12000	4	367.2
89211	150	x	150	x	5	8000	9	176.8
93056	150	x	150	x	5	12000	6	266
89212	150	x	150	x	6	8000	6	209.7
92233	150	x	150	x	6	12000	6	314.4
20808	150	x	150	x	9	8000	6	303.6
145235	150	x	150	x	9	12000	4	452
88980	200	x	100	x	4	8000	8	143.2
92695	200	x	100	x	4	12000	6	215.1
89189	200	x	100	x	5	8000	8	176.8
19620	200	x	100	x	5	12000	6	266.2
88214	200	x	100	x	6	8000	8	210.3
131025	200	x	100	x	6	12000	4	314.5
90146	200	x	100	x	9	8000	6	301.6
135008	200	x	100	x	9	12000	4	452.4
89214	200	x	200	x	5	8000	6	239.2
98580	200	x	200	x	5	12000	4	358.9
89215	200	x	200	x	6	8000	4	285
98889	200	x	200	x	6	12000	4	427.3
135007	200	x	200	x	9	8000	4	414.4
16017	200	x	200	x	9	12000	2	613.5
135006	250	x	150	x	5	8000	6	239.2
134487	250	x	150	x	6	8000	4	284.8
131024	250	x	150	x	6	12000	4	427.3
92396	250	x	150	x	9	8000	4	414.5
103264	250	x	150	x	9	12000	2	621.6
19649	250	x	250	x	6	8000	4	360
98615	250	x	250	x	6	12000	2	540.6
94741	250	x	250	x	9	8000	2	526.6
16018	250	x	250	x	9	12000	2	787.5

# STEEL RANGE

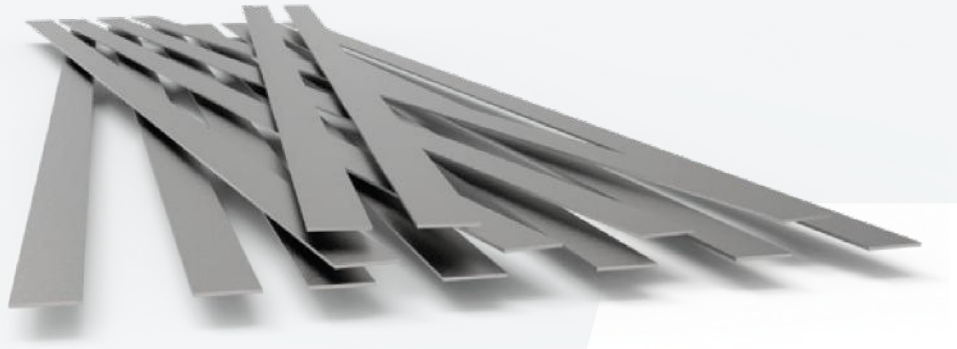
## RHS GALVANISED



CODE	SECTION					LENGTH	PACK	KG/PL
89236	20	x	20	x	1.6	6500	96	5.7
87834	25	x	25	x	1.6	6500	100	7.3
87835	25	x	25	x	2	6500	100	8.9
88671	25	x	25	x	2.5	6500	100	10.7
89237	25	x	25	x	3	6500	100	12.3
93843	30	x	30	x	1.6	6500	100	9
89238	30	x	30	x	1.6	8000	100	11.1
19770	30	x	30	x	2	8000	100	13.5
89242	35	x	35	x	1.6	8000	100	13.1
89243	35	x	35	x	2	8000	100	16
89244	35	x	35	x	2.5	8000	64	19.36
88672	40	x	40	x	1.6	8000	81	15.1
88673	40	x	40	x	2	8000	81	18.5
88674	40	x	40	x	2.5	8000	64	22.6
19773	40	x	40	x	3	8000	64	26.4
88676	50	x	25	x	1.6	8000	96	14
88677	50	x	25	x	2	8000	96	17.2
89216	50	x	25	x	2.5	8000	72	21
89217	50	x	25	x	3	8000	60	24.6
19227	50	x	50	x	1.6	6500	64	15.5
88974	50	x	50	x	1.6	8000	64	19
89247	50	x	50	x	2	8000	64	23.5
87836	50	x	50	x	2.5	8000	49	28.8
87837	50	x	50	x	3	8000	49	34
89248	50	x	50	x	4	8000	36	42.8
89249	50	x	50	x	5	8000	30	51.2
89218	65	x	35	x	2	8000	54	23.5
89219	65	x	35	x	2.5	8000	54	28.8
89220	65	x	35	x	3	8000	45	34
89250	65	x	65	x	1.6	8000	49	25.1

CODE	SECTION					LENGTH	PACK	KG/PL
130698	65	x	65	x	2	8000	42	31.1
89252	65	x	65	x	2.5	8000	42	38.3
90636	65	x	65	x	3	8000	36	45.3
91231	75	x	50	x	1.6	8000	54	24.1
88973	75	x	50	x	2	8000	42	29.8
88678	75	x	50	x	2.5	8000	42	36.7
88679	75	x	50	x	3	8000	35	43.4
91627	75	x	50	x	4	8000	28	56.2
92910	75	x	75		2	8000	30	36
87840	75	x	75	x	2.5	8000	30	44.5
87838	75	x	75	x	3	8000	30	52.8
87839	75	x	75	x	4	8000	25	68
88198	75	x	75	x	5	8000	20	82.5
19233	76	x	38	x	1.6	6100	49	16.7
19232	76	x	38	x	1.6	7315	49	20.1
19239	76	x	38	x	1.6	8000	49	21.8
89256	89	x	89	x	2	8000	20	43
92654	89	x	89	x	3.5	8000	20	72.6
89698	89	x	89	x	5	8000	16	101.44
92376	100	x	50	x	1.6	8000	32	29.2
88975	100	x	50	x	2	8000	32	36
93549	100	x	50	x	2.5	8000	32	44.5
88682	100	x	50	x	3	8000	32	52.8
88683	100	x	50	x	4	8000	24	68
89226	100	x	50	x	5	8000	18	80
97814	100	x	100	x	2	8000	20	48.4
97815	100	x	100	x	2.5	8000	20	59.9
87841	100	x	100	x	3	8000	20	71.7
87842	100	x	100	x	4	8000	16	93.9
89259	100	x	100	x	5	8000	12	115.3
97819	125	x	75	x	2.5	8000	24	60
87843	125	x	75	x	3	8000	20	71.7
87844	125	x	75	x	4	8000	15	92.8
92904	125	x	125	x	4	8000	12	119
92919	125	x	125	x	5	8000	12	146
91902	150	x	50	x	2	8000	21	48.4
92903	150	x	50	x	2.5	8000	24	60
89228	150	x	50	x	3	8000	21	71.7
89229	150	x	50	x	4	8000	15	92.8
89230	150	x	50	x	5	8000	15	113.6

# STEEL RANGE FLAT BAR



CODE	SECTION			LENGTH	KG/PL
15870	20	x	3	6000	2.9
87291	25	x	3	6000	3.7
87292	32	x	3	6000	4.7
87293	40	x	3	6000	6
87294	50	x	3	6000	7.3
159238	20	x	5	6000	4.9
159319	25	x	5	6000	5.9
159320	32	x	5	6000	7.6
159321	40	x	5	6000	9.5
159322	50	x	5	6000	11.8
159323	65	x	5	6000	15.3
159324	75	x	5	6000	17.7
155797	100	x	5	6000	23.6
159325	150	x	5	6000	35.4
159327	25	x	6	6000	7.1
159328	32	x	6	6000	9.1
156932	40	x	6	6000	11.3
159329	50	x	6	6000	14.2
159330	65	x	6	6000	18.4
156016	75	x	6	6000	21.2
159331	90	x	6	6000	25.5
159332	100	x	6	6000	28.3
157203	110	x	6	6000	31.1
159333	130	x	6	6000	36.8
159334	150	x	6	6000	42.5
159335	180	x	6	6000	50.1
155800	200	x	6	6000	56.6
159336	250	x	6	6000	70.8
159337	300	x	6	6000	84.6

CODE	SECTION			LENGTH	KG/PL
159338	25	x	8	6000	9.5
159339	32	x	8	6000	12.1
156933	40	x	8	6000	15.1
157248	50	x	8	6000	18.9
157246	65	x	8	6000	24.5
157520	75	x	8	6000	28.3
159340	90	x	8	6000	33.9
159341	100	x	8	6000	37.7
159342	110	x	8	6000	41.5
159343	130	x	8	6000	49
157244	150	x	8	6000	56.6
159344	200	x	8	6000	75.6
159345	250	x	8	6000	94.2
159346	300	x	8	6000	112.8
159347	20	x	10	6000	9.5
159348	25	x	10	6000	11.8
159349	32	x	10	6000	15.1
159350	40	x	10	6000	18.9
157242	50	x	10	6000	23.6
156931	65	x	10	6000	30.6
156665	75	x	10	6000	35.4
157521	90	x	10	6000	42.4
155734	100	x	10	6000	47.1
159351	110	x	10	6000	51.9
159471	130	x	10	6000	61.2
157201	150	x	10	6000	70.8
159352	180	x	10	6000	84.6
157522	200	x	10	6000	94.2
159353	250	x	10	6000	117.6
159354	300	x	10	6000	141.6
159355	25	x	12	6000	14.2
159356	40	x	12	6000	22.7
159357	50	x	12	6000	28.3
159358	65	x	12	6000	36.8
159359	75	x	12	6000	42.4
159360	90	x	12	6000	50.9
159361	100	x	12	6000	56.6
159362	110	x	12	6000	62.4
159363	130	x	12	6000	73.2
157238	150	x	12	6000	84.6
159364	180	x	12	6000	102
157523	200	x	12	6000	112.8
159365	250	x	12	6000	141.6
159366	300	x	12	6000	169.8

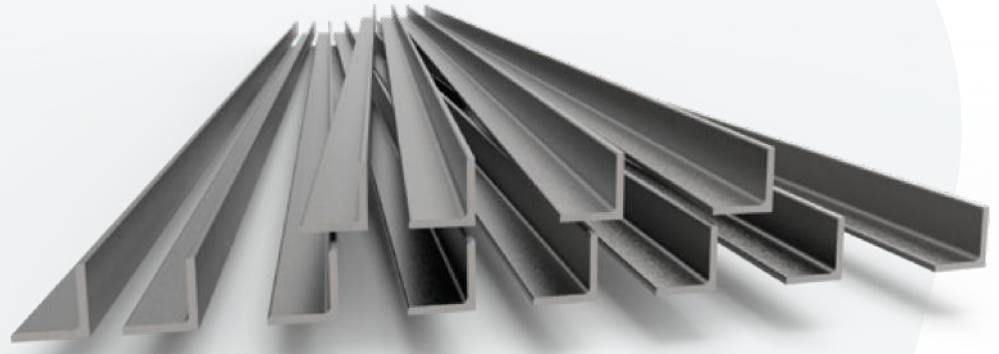
# FLAT BAR

CODE	SECTION			LENGTH	KG/PL
160430	40	x	16	6000	30.2
159367	50	x	16	6000	37.7
159368	65	x	16	6000	49
159369	75	x	16	6000	56.6
159370	100	x	16	6000	75.6
159485	130	x	16	6000	97.8
157250	150	x	16	6000	112.8
159486	180	x	16	6000	139.1
159487	200	x	16	6000	154.5
159488	250	x	16	6000	193.2
159489	300	x	16	6000	231.8
159371	40	x	20	6000	37.68
155801	50	x	20	6000	47.1
159372	65	x	20	6000	61.2
159373	75	x	20	6000	70.8
159374	100	x	20	6000	94.2
159375	130	x	20	6000	122.4
156196	150	x	20	6000	141.6
159490	180	x	20	6000	173.8
159491	200	x	20	6000	193.2
159470	250	x	20	6000	241.4
159493	300	x	20	6000	289.7
159494	50	x	25	6000	58.9
159496	75	x	25	6000	88.2
159376	100	x	25	6000	117.6
159377	130	x	25	6000	153
159378	150	x	25	6000	176.4
159500	200	x	25	6000	241.4
159498	250	x	25	6000	301.8
159499	300	x	25	6000	362.1

# DURAGAL FLAT

CODE	SECTION			LENGTH	KG/PL
95040	50	x	4	6000	8.94
142174	50	x	5	6000	11.04

**STEEL RANGE  
ANGLES**



CODE			SECTION			LENGTH	KG/PL
87003	25	x	25	x	3	7500	8.4
159285	30	x	30	x	3	7500	10.2
157249	40	x	40	x	3	7500	13.8
157247	50	x	50	x	3	7500	17.4
159287	50	x	50	x	3	9000	20.8
159288	25	x	25	x	5	7500	12.4
161678	30	x	30	x	5	7500	15.1
159289	40	x	40	x	5	7500	20.5
157202	50	x	50	x	5	7500	26.1
159293	50	x	50	x	5	9000	31.4
159296	65	x	65	x	5	9000	41.1
159297	75	x	50	x	5	7500	33
155736	75	x	50	x	5	9000	39.6
159298	75	x	75	x	5	9000	47.5
159305	40	x	40	x	6	7500	26.3
159306	50	x	50	x	6	7500	33.5
157245	50	x	50	x	6	9000	40.2
20539	65	x	65	x	6	7500	44.20
156201	65	x	65	x	6	9000	52.90
159307	75	x	50	x	6	7500	42.7
157243	75	x	50	x	6	9000	51
159442	75	x	75	x	6	7500	51.08
157200	75	x	75	x	6	9000	61.3
157239	75	x	75	x	6	12000	81.8
159309	90	x	90	x	6	9000	74
159308	90	x	90	x	6	12000	98.7
155946	100	x	75	x	6	9000	71.9
155911	100	x	75	x	6	12000	95.8
159299	100	x	100	x	6	12000	110
159301	125	x	75	x	6	12000	110
163116	50	x	50	x	8	7500	42.6
159314	50	x	50	x	8	9000	51.2
156200	65	x	65	x	8	9000	67.6
19382	75	x	50	x	8	7500	54.3
159315	75	x	50	x	8	9000	65.1
156450	75	x	75	x	8	9000	78.6
159316	75	x	75	x	8	12000	107

# ANGLES

159317	90	x	90	x	8	12000	127.2
159311	100	x	75	x	8	9000	92.7
159310	100	x	75	x	8	12000	123.7
155964	100	x	100	x	8	9000	106.2
156241	100	x	100	x	8	12000	141.6
159313	125	x	75	x	8	9000	106.2
159312	125	x	75	x	8	12000	141.6
160423	125	x	125	x	8	9000	134.1
155874	125	x	125	x	8	12000	178.8
159461	150	x	90	x	8	9000	128.7
159443	150	x	90		8	12000	170.4
157118	65	x	65	x	10	9000	81.2
155795	75	x	75	x	10	9000	94.5
159279	75	x	75	x	10	12000	126
159280	90	x	90	x	10	12000	152.5
159276	100	x	75	x	10	9000	111.6
159275	100	x	75	x	10	12000	148.8
159444	100	x	100	x	10	9000	127.8
159274	100	x	100	x	10	12000	170.4
159278	125	x	75	x	10	9000	127.8
159277	125	x	75	x	10	12000	170.4
159452	125	x	125	x	10	9000	162
159445	125	x	125	x	10	12000	216
160425	150	x	90	x	10	12000	207.70
159453	150	x	100	x	10	12000	216.1
159579	150	x	150	x	10	12000	262.8
159281	100	x	100	x	12	12000	212.4
159456	125	x	125	x	12	12000	264.3
159459	150	x	90	x	12	12000	259.2
160434	150	x	100	x	12	12000	270
159458	150	x	150	x	12	12000	327.6
149433	125	x	125	x	16	12000	349.1998
159460	150	x	150	x	16	12000	425
160435	200	x	200	x	13	12000	480
104908	200	x	200	x	16	12000	584.4

# DURAGAL ANGLES

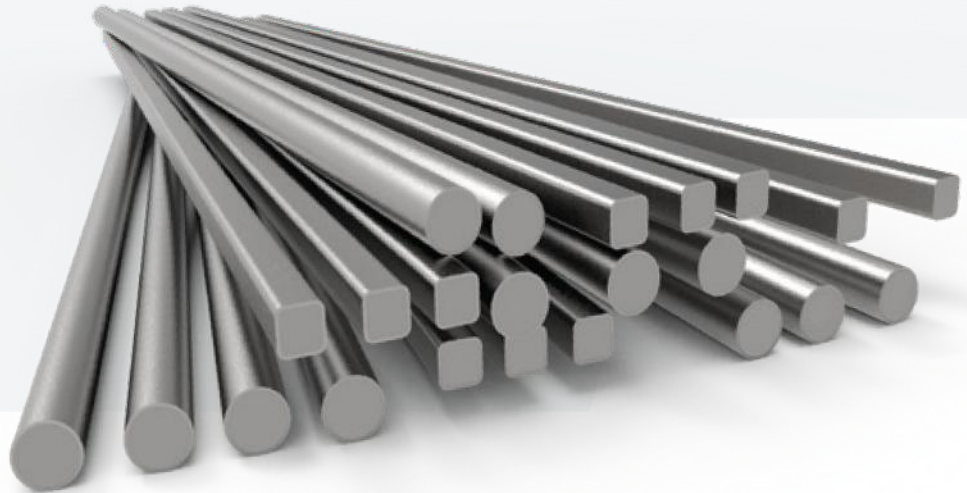
CODE			SECTION			LENGTH	KG/PL
91226	30	x	30	x	2.5	6000	6.4
90369	40	x	40	x	2.5	6000	8.6
20916	50	x	50	x	2.5	6000	10.9
92348	40	x	40	x	4	6000	13.2
20961	50	x	50	x	4	6000	16.8
90350	50	x	50	x	4	9000	25.2
88213	50	x	50	x	5	6000	20.6
132103	50	x	50	x	5	9000	30.8
93223	75	x	75	x	5	9000	47.34

**STEEL RANGE**  
**BLACK PIPE**



CODE	N.B	SIZE	O.D	WALL	LENGTH	SLING	KG/LG
89768	15	Med	21.3	2.3	6500	217	7.9
88995	20	Med	26.9	2.6	6500	127	10.2
88546	25	Med	33.7	3.2	6500	91	15.7
89087	25	Hvy	33.7	4	6500	91.00	19.11
88547	32	Med	42.4	3.2	6500	61	20.2
89130	32	Hvy	42.4	4.0	6500	61	24.7
88193	40	Med	48.3	3.2	6500	61	23.3
88729	40	Hvy	48.3	4.0	6500	61	28.5
88548	50	Med	60.3	3.6	6500	37	32.7
88730	50	Hvy	60.3	4.5	6500	37	40.2
88549	65	Med	76.1	3.6	6500	37	41.8
88550	80	Med	88.9	4.0	6500	19	54.5
88300	90	Med	101.6	4.0	6500	19	62.6
89140	90	Hvy	101.6	5.0	6500	19	77.4
88301	100	Med	114.3	4.5	6500	19	79.4
89145	125	Med	139.7	5.0	6500	13	107.9
89149	150	Med	165.1	5.0	6500	10	128.1

## STEEL RANGE SOLID BAR



### ROUND

CODE	SECTION	LENGTH	KG/PL
15289	6.3GAL	6000	1.6
88384	6	6000	1.4
88160	8	6000	2.4
159379	10	6000	3.7
159380	12	6000	5.5
159381	14	6000	7.3
155738	16	6000	9.5
157112	20	6000	14.8
159384	24	6000	21.3
159385	30	6000	33.3
160426	36	6000	48

### SQUARE

CODE	SECTION	LENGTH	KG/PL
159388	10	6000	4.8
159389	12	6000	6.8
159390	16	6000	12.1
155803	20	6000	18.9
159391	25	6000	29.5
159392	40	6000	75

### DEFORM BAR

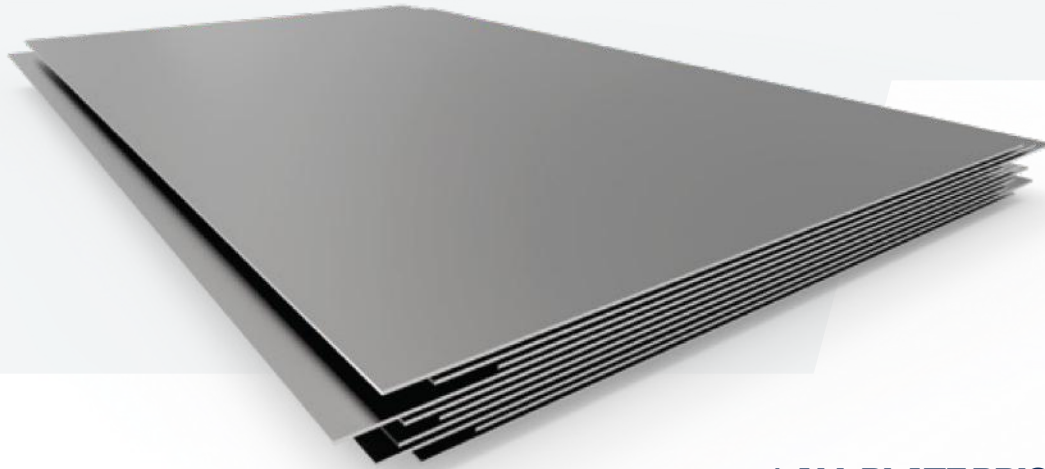
CODE	SECTION	LENGTH	KG/PL
99323	12	6000	5.4
99324	16	6000	9.5
99325	20	6000	14.9

**STEEL RANGE**  
**GALVANISED**  
**PIPE**

CODE	N.B	SIZE	O.D	WALL	LENGTH	SLING	KG/LG
88561	15	Med	21.3	2.6	6500	217	8.2
88506	20	XLT	26.9	2.0	6500	127	8.5
86991	20	Med	26.9	2.6	6500	127	10.6
86987	25	XLT	33.7	2.0	6500	91	10.8
86992	25	Med	33.7	3.2	6500	91	16.4
86988	32	XLT	42.4	2.0	6500	61	13.8
86993	32	Med	42.4	3.2	6500	61	21.0
86989	40	XLT	48.3	2.3	6500	61	17.9
86994	40	Med	48.3	3.2	6500	61	24.1
15636	40	Hvy	48.3	3.2	6300	61	28.0
86990	50	XLT	60.3	2.9	6500	37	22.6
86995	50	Med	60.3	3.6	6500	37	33.9
86996	65	Med	76.1	3.6	6500	37	43.3
93760	80	XLT	88.9	2.6	6500	19	36.3
86997	80	Med	88.9	4.0	6500	19	56.1
89769	90	Med	101.6	4.0	6500	19	64.7
86999	100	Med	114.3	4.5	6500	19	81.3
89846	125	Med	139.7	5.0	6500	13	109.9
87000	150	Med	165.1	5.0	6500	10	132.0



# STEEL RANGE PLATE GRADE 250



**\* ALL PLATE PRICING P.O.A.\***

CODE	GRADE	THICK	PLATE SIZE			WEIGHT
133338	250	5.00	1800	x	6000	424
47041	250	5.00	2400	x	6000	565
132167	250	5.00	2400	x	9000	848
132166	250	5.00	3000	x	9000	1060
45956	250	6.00	1800	x	6000	509
112345	250	6.00	2400	x	6000	678
47588	250	6.00	2400	x	9000	1017
47695	250	6.00	3000	x	9000	1272
47701	250	8.00	1800	x	6000	678
4853	250	8.00	2400	x	6000	904
4854	250	8.00	2400	x	9000	1356
4855	250	8.00	3000	x	9000	1696
46164	250	10.00	1800	x	6000	848
46230	250	10.00	2400	x	6000	1130
91205	250	10.00	2400	x	9000	1696
88516	250	10.00	3000	x	9000	2119
4860	250	12.00	1800	x	6000	1017
46206	250	12.00	2400	x	6000	1356
4864	250	12.00	2400	x	9000	2035
4866	250	12.00	3000	x	9000	2543

# STEEL RANGE PLATE GRADE 250

\* ALL PLATE PRICING P.O.A.\*

CODE	GRADE	THICK	PLATE SIZE			WEIGHT
4867	250	16.00	1800	x	6000	1356
4868	250	16.00	2400	x	6000	1809
4869	250	16.00	2400	x	9000	2713
112398	250	16.00	3000	x	9000	3391
4871	250	20.00	1800	x	6000	1696
112405	250	20.00	2400	x	6000	2261
91512	250	20.00	2400	x	9000	3391
112408	250	20.00	3000	x	9000	4239
112415	250	25.00	1800	x	6000	2119
112418	250	25.00	2400	x	6000	2826
51092	250	25.00	2400	x	9000	4239
112419	250	25.00	3000	x	9000	5299
47549	250	28.00	2400	x	6000	3165
132333	250	28.00	2400	x	9000	4748
46216	250	32.00	1800	x	6000	2713
46217	250	32.00	2400	x	6000	3617
64501	250	32.00	2400	x	9000	5426
47582	250	32.00	3000	x	9000	6782
47577	250	36.00	2400	x	6000	4069
105306	250	36.00	2400	x	9000	6104
112424	250	40.00	1800	x	6000	3391
112425	250	40.00	2400	x	6000	4522
46219	250	40.00	2400	x	9000	6782
50189	250	45.00	2400	x	6000	5087
132332	250	45.00	2400	x	9000	7630
4887	250	50.00	1800	x	6000	4239
112427	250	50.00	2400	x	6000	5652
20470	250	50.00	2400	x	9000	8478

# STEEL RANGE PLATE GRADE 350



**\* ALL PLATE PRICING P.O.A.\***

CODE	GRADE	THICK	PLATE SIZE			WEIGHT
47041	350	5.00	2400	x	6000	565
132167	350	5.00	2400	x	9000	848
132166	350	5.00	3000	x	9000	1060
20112	350	6.00	2400	x	9600	1085
87901	350	8.00	2400	x	9600	1447
47616	350	10.00	2400	x	6000	1130
91221	350	10.00	2400	x	9600	1809
132329	350	10.00	3100	x	9600	2336
47803	350	12.00	2400	x	6000	1356
91223	350	12.00	2400	x	9600	2170
132328	350	12.00	3100	x	9600	2803
90794	350	16.00	2400	x	6000	1809
91222	350	16.00	2400	x	9600	2894
105028	350	16.00	3100	x	9600	3738
112446	350	20.00	2400	x	6000	2261
20025	350	20.00	2400	x	9600	3617
132327	350	20.00	3100	x	9600	4672
CODE	GRADE	THICK	PLATE SIZE			WEIGHT
112450	350	25.00	2400	x	6000	2826
100790	350	25.00	2400	x	9600	4522
47690	350	32.00	2400	x	6000	3617
50359	350	32.00	2400	x	9600	5788
47691	350	40.00	2400	x	6000	4522
20741	350	40.00	2400	x	7600	5727
47615	350	50.00	2400	x	6000	5652
132326	350	50.00	2400	x	7600	7159

## FLOOR PLATE

CODE	THICK	PLATE SIZE			WEIGHT
112335	5.00	1500	x	6000	371.3
20130	6.00	1500	x	6000	442.5

# OPERATIONAL EFFICIENCY

4 Ways to Empower the Maintenance Planner



**01**

**COMMUNICATION,**

communication, communication



**02**

**KNOWLEDGE**

management



**03**

**SUPPLIERS**

that partner with maintenance success



**04**

**MORE EFFECTIVE**

maintenance planning

# THE POWER OF THE PLANNER

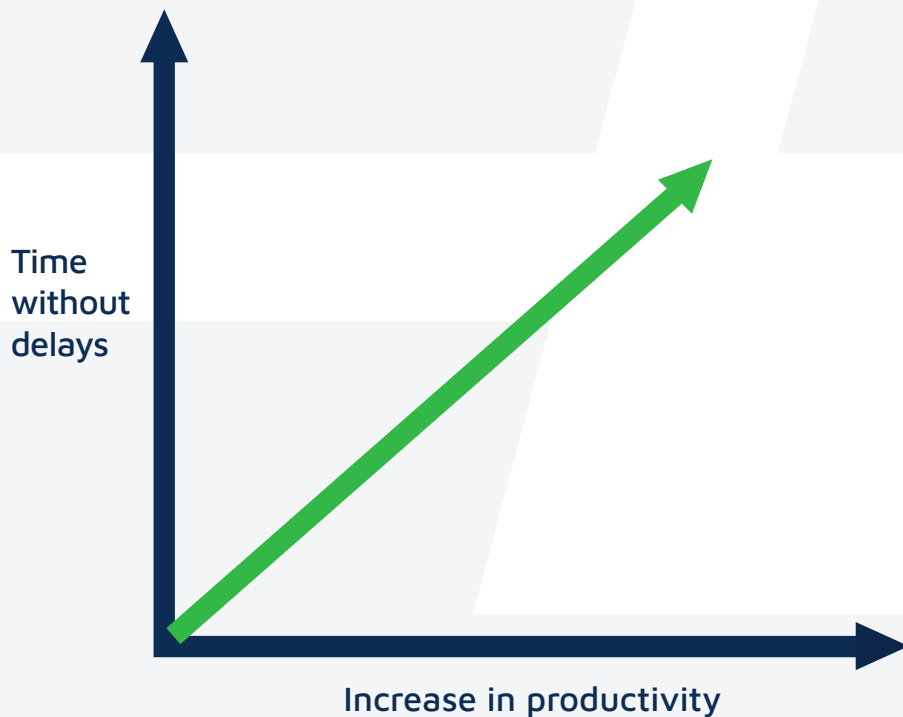
Maintenance planning improves work force productivity and quality of execution by anticipating and eliminating potential delays and breakdowns of equipment and crucial processes. Depending on requirements, planners are tasked with coordinating labour, parts, materials, equipment access, and suppliers to ensure production can remain on schedule.

Maintenance planners and schedulers enable reliable plant capacity and production. The correlation between a reduction in delays due to effective maintenance and an increase in production is linear, the ongoing predictive productivity hinges on the maintenance planner executing successfully, ensuring the plant is serviced and free from unscheduled downtime.

Planning pushes hard towards productivity. However, it can be dangerous to do so if there is not a quality focus by the staff, the organisation and the suppliers executing and delivering work. If the work or process is not effective, it does not matter how efficient it appears to be. High quality processes and output from start to finish creates long lasting benefits and enables future execution of maintenance to be efficient and effective.

Effective planning provides dramatic, tangible results creating an increase production and organisational efficiency. The work force is freed-up and can be re-allocated to value adding activities – the transformational benefits to the bottom line can ultimately be calculated, measured and reconciled with the effectiveness of the maintenance planner.

## REDUCING ON-SITE DELAYS IN PRODUCTION HAS A DIRECT CORRELATION WITH INCREASES IN PRODUCTIVITY



Source: Maintenance Planning & Scheduling Handbook



## PLANNING FOR ORGANISATIONAL SUCCESS

Successful planning involves stakeholders and departments working together to enable operational efficiency. It requires a consistent, reliable strategy and collaboration of processes from work order notification to final execution. The idea of a maintenance strategy is to maximise the plants lifecycle and achieve optimal operational output. For this to be possible planned maintenance needs to be scoped and executed correctly the first time, every time.

The unknown must always be planned for to ensure unnecessary delays don't disrupt site output. Sickness, unplanned holidays and breakdowns are part of life. Contingency planning is an important skill and will save a lot of headaches that result from unexpected occurrences.

Planners need to have all the necessary information in front of them, this means master data and updates should always be uploaded to a central system, embedding crucial information for the next round of maintenance, scheduled or unscheduled. When a planner is short-handed with data, plans, drawings and information they can't successfully execute. Time is wasted finding and developing the correct information for down-the-line stakeholders to execute on. Sharing knowledge is sharing the power to successfully complete planned maintenance.

Communication is key between all stakeholders, breakdowns in communication between site, planners and suppliers will have negative effects on production, efficiencies and ultimately profits. The maintenance planning machine needs to be well oiled with collaborative commitment to the process.

## 01 COMMUNICATION, communication, communication

Communication is a vital component in coordinating and executing planned maintenance. Maintenance planners and schedulers have frequent lines of communication with on-site superintendents and supervisors, other planners, and most frequently, suppliers.

Planners must keep a finger on the pulse of what is happening on-site, and this openness of communication must go both ways in order to achieve operational efficiency. Teams must be synergised and nimble to changes.

Research conducted into maintenance planning found that communication was the highest ranked, most important planning and scheduling factor. Furthermore, planners communicate most frequently with their supplier's, highlighting the importance of the planner-supplier relationship and its correlation with effective maintenance. Quality suppliers with strong, reliable communication skills, that are available and mobile to address site requirements are what planners need to be successful.

Planners need to be able to execute effectively the first time. Deadlines are often tight, meaning fast, consistent communication with their suppliers, managers and teams on-site is essential to coordinating work orders and the associated scopes, plans and drawings. This efficiency leads to effective final implementation and execution.

### COMMUNICATION IN PRACTICE

A maintenance planner who participated in the research outlined an incident when communication had broken down between the planner, site and the supplier.

A work order had been issued for a set of maintenance components but some of the information was incorrect or not supplied. There wasn't enough communication between the teams to ensure the information was correct and complete, and the fabricated parts were fit for purpose. When the parts got to site, they didn't fit, and the maintenance process had to start again to organise the correct parts that were required to keep producing.

Although the situation was rectified, this caused unnecessary delays and inefficiencies on-site. Had the teams clarified all the necessary information from the start, this would have been avoided.

“ **RESEARCH CONDUCTED INTO MAINTENANCE PLANNING FOUND THAT COMMUNICATION WAS THE HIGHEST RANKED, MOST IMPORTANT PLANNING AND SCHEDULING FACTOR** ”

## 02 SUPPLIERS that partner with maintenance success

Suppliers that understand the need to partner their services with a planner's success are vital to on-site productivity. When a work order is issued, suppliers need to assess the scope, drawings and lead time and ensure they execute accordingly.



### COMFORT

Suppliers that partner with planning success take ownership of their role with a system that holistically provides a solution. This creates comfort and empowers the planner towards their goal of on-time, first time maintenance execution.

### CERTAINTY

Being available, mobile and equipped provide on-site consultations and scanning to ensure drawings and scopes of work are correct are invaluable. This gives certainty to the planner by providing an avenue for accuracy and information creation.

### CONTROL

Design and engineering capabilities are crucial to providing certified and compliant maintenance order fulfillment and solutions. This gives the planner control over the end result and the quality of the final product.

### MOTION

Enabling processes and production to continue on-time is a crucial to successful planning. Suppliers that provide reliable pathways towards this goal keep the planner's schedule moving forward.

### IMPACT

Planned maintenance that is executed on-time consistently leaves an impact on the bottom line. Productivity receives a boost which is compounded by the benefits of the efficient use of resources which are freed up due to effective maintenance planning.

## 03 KNOWLEDGE management

Maintenance planners will often need to share and access information relevant to current or past maintenance. Of the planners surveyed 25% said that required information is not always readily available or stored in the required areas of their internal database.

A lack of information creates unnecessary delays; the planner will need to find or develop new information to execute on a work order. Managing organisational knowledge is as important as managing all other organisational resources (Darroch, 2005).

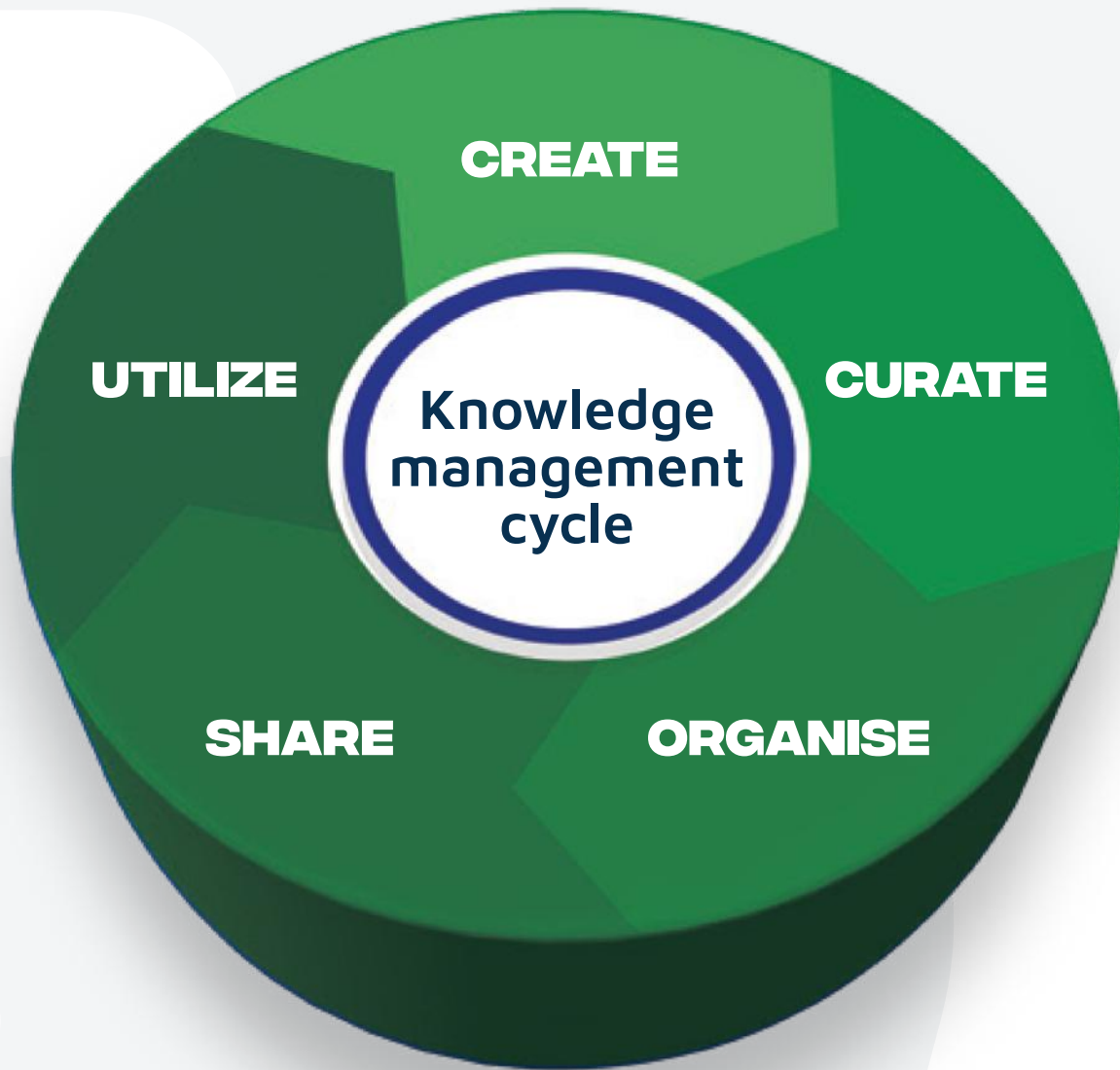
### WHAT HAPPENS WHEN YOU DON'T MANAGE KNOWLEDGE?

- Inefficiencies and decreased productivity
- Inadequate management support
- Improper planning, design, coordination, and evaluation
- Inadequate skill of knowledge managers and workers
- Problems with organisational culture
- Weakened organisational structure

Knowledge management promotes an integrated approach to identifying, capturing, evaluating, retrieving, and sharing all of an organisation's information assets (Jahaspara, 2011). These assets may include databases, documents, policies, procedures, and previously un-captured expertise and experience in individual workers. Fundamentally, knowledge management is about making the right knowledge and sources of knowledge available to the right people when they need it (Jahaspara, 2011). Given the importance of knowledge to efficiency and productivity, it's critical that organisations manage their knowledge across teams and departments.

Stakeholder buy-in is the key to the success of managing organisational knowledge. Knowledge can often exist in the minds of team members in the form of experience, expertise and memory. Being able to transfer this knowledge into more tangible, readily available forms that can be executed on will determine how robust the shared organisational knowledge framework will be.

The benefit of such success is invaluable to efficiency and productivity. Undertaking a comprehensive Knowledge Management implementation program is necessary to successful ongoing adoption and long-term impact.



“ **MANAGING ORGANISATIONAL KNOWLEDGE IS AS IMPORTANT AS MANAGING ALL OTHER ORGANISATIONAL RESOURCES** ”

## 04 MORE EFFECTIVE maintenance planning

Developing and improving upon the process is how planners grow and produce greater results. Understanding where pain-points exist and where something can be streamlined is key to optimisation. The following are areas which planners can review and assess ongoing to improve their output and results.

### BUILD A CULTURE OF TEAMWORK WITH THE SUPPLY FUNCTION

- Communication
- Understanding
- Execution
- Collaboration
- Organisation

The supplier can make or break the successful execution of on-site maintenance. Developing a strong, mutual relationship with the supply function will ensure there is communication, trust, organised expectation and the ability to complete planned maintenance on-time.

### MEASURE RESULTS AND PROCESS ADHERENCE

- Measure
- Review
- Optimise

Being data-driven and dialled into the effectiveness of processes and making the required changes produces greater results. The planner should have high expectations of all stakeholders and be supported by reliable execution.

### FORWARD SCHEDULE TO AN AGREED PERIOD

- Stick to your scheduled dates
- Ensure stakeholders are on board
- Execute accordingly

To enable organisational efficiency, dates and deadlines must be adhered to. All stakeholders need to be onboard and accountable to provide a pathway to successful execution.

### ANALYSE COMPLETED WORK AND CONTINUOUSLY IMPROVE

- Task Duration
- Materials or quantity of materials
- Work steps out of sequence
- Labour requirements under/ over resourced
- Supplier requirements
- Resource allocation
- Master data changes to strategies and plans

Analysing, optimising and improving will make often difficult planned maintenance easy. Ensuring all stakeholders are engaged and materials, information and resources are available. Supervisors and suppliers need to partner with the successful execution of planned maintenance and management needs to empower their planners towards efficiency.

Source: Asset Management Consultants

## PLANNING YOUR MAINTENANCE

Our on-site consultation, 3D scanning, design and engineering as well as our fabrication as enabled us to empower maintenance planners around Australia towards operational efficiency. If you want to discuss how you or your team can streamline their processes and partner with a supplier who understands the importance of effective planned maintenance, get in contact with the team at Bend-tech.

## ABOUT US

We deliver sustained value by providing cutting edge solutions through collaboration and innovation. For more than 30 years we have delivered intelligent design and custom-certified products and services to the Mining, Rail, Fabrication, Marine and Oil and Gas industries across Australia and around the world. We have achieved this through a deep understanding of our customers and their requirements as well as innovative and industry leading design, engineering and construction.

### Sources:

Assetivity. (2019) Asset Management Consultants.

5 tips for more effective Maintenance Planning and Scheduling.

Darroch, J. (2005) Knowledge management, innovation and firm performance.

Journal of Knowledge Management. (9)3, 101-115.

Jashapara, A. (2011). Knowledge management:

An integrated approach (2nd edition). Pearson Education.

Palmer, D. (1999). Maintenance Planning & Scheduling Handbook.

3rd Edition. McGraw Hill.

# TAKE NOTE



**B** BIGGER THAN BUSINESS

# TAKE NOTE

A large grid area for taking notes, consisting of a 30x30 grid of small squares. The grid is light gray and occupies the central portion of the page. There are large, faint, light gray circular shapes in the background behind the grid.

# TAKE NOTE



**B** BIGGER THAN BUSINESS

# TAKE NOTE

A large grid area for taking notes, consisting of a 30x30 grid of small squares. The grid is light gray and occupies the central portion of the page. There are large, faint, light gray circular shapes in the background behind the grid.



**DARWIN**  
08 8963 5621

**MOUNT ISA**  
07 4743 6458

**NEWMAN**  
08 9175 1164

**PERTH**  
08 9459 8600

**KALGOORLIE**  
08 9021 8300

**ADELAIDE**  
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