



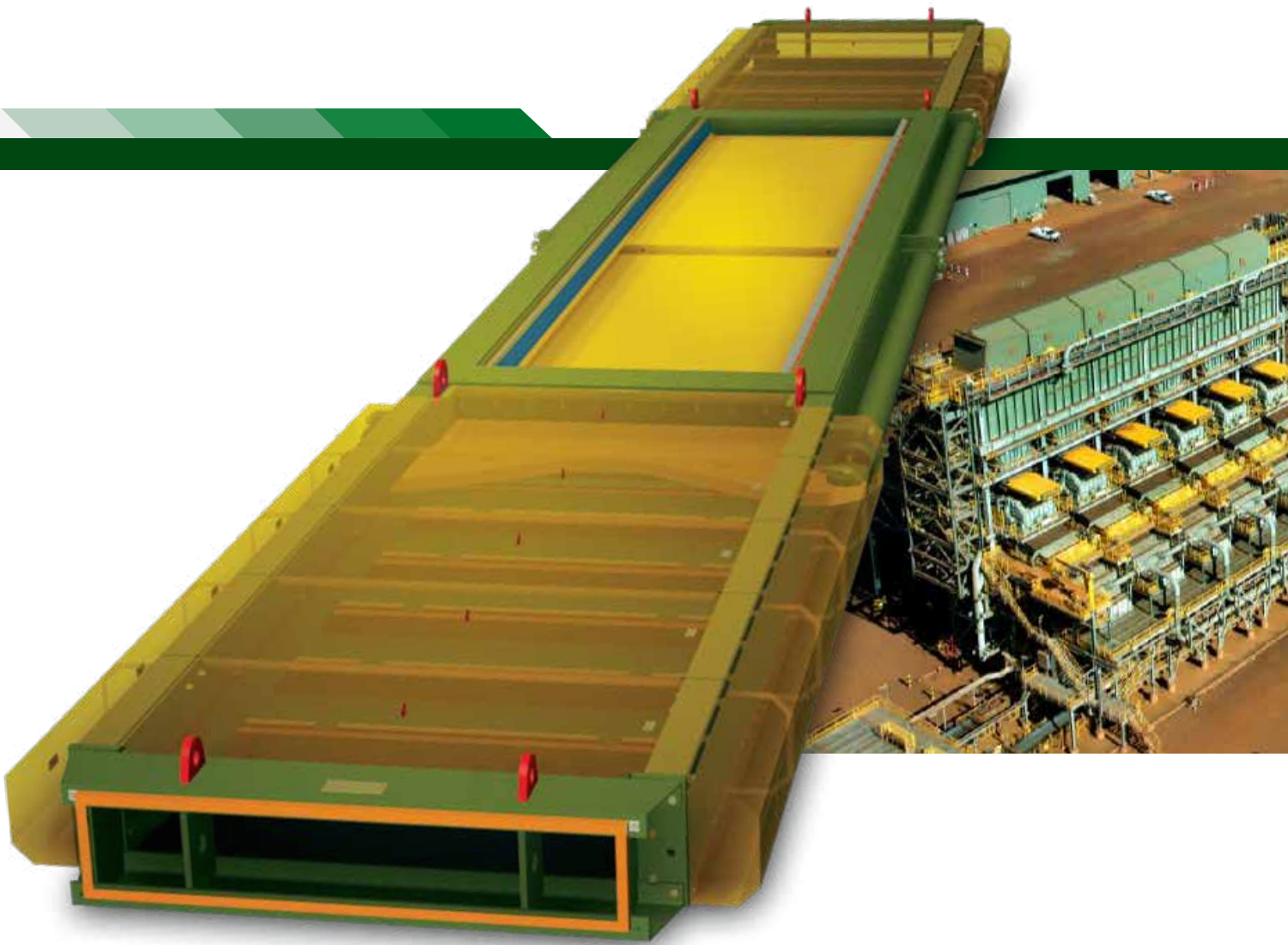
# ISOLATION GATES

SAFELY ISOLATE DOWNSTREAM EQUIPMENT  
SUCH AS SCREENS AND FEEDERS DURING STOPPAGES  
AND MAINTENANCE.



**TRANSMIN**

The logo for TRANSMIN features the company name in a bold, italicized, sans-serif font. To the left of the text is a stylized graphic element consisting of a green swoosh that curves around the letter 'T'.



# ISOLATION GATES

Developed primarily for the needs of the iron ore industry, Transmin designs and manufactures some of the largest isolation gates in operation with opening apertures up to 12.0m long by 3.0m wide and materials up to 350mm lump size.

Most designs feature hydraulic operation using Transmin in-house designed cylinders and hydraulic power units. In addition, electric and pneumatic actuation has been supplied on the more lightly loaded duties.

Transmin also has the capability to design special gates including single or double clam shell type gates, diverter or travelling gates.

## Single or Double Sliding Plates

Dependent upon the size of the aperture to be isolated, Transmin designs feature either a single-gate plate or double-gate plates, closing from each end and overlapping in the centre.

Gates over approximately 3m long will utilise double plates to optimise the cylinder size to isolate even the largest apertures.

## Wear Liners

Wear liners are fitted for maximum durability and to protect the high wear edges and changes in direction of material flow.

## Features

- ▶ **Complete Isolation Safety**  
Isolation gates are primarily fitted to safely isolate downstream equipment such as Low Profile Feeders, belt feeders, screens and apron feeders, so they can be removed or worked on during maintenance campaigns.
- ▶ **Hydraulic Power Units**  
Unique hydraulic power packs with simple local control panels can be built to Transmin or client specifications.
- ▶ **Diverse Custom Options**  
Transmin can customise our range of gates to suit a myriad of applications including metering, diverter or high capacity flow conditions of aggressive materials.



## Diverter Gates



## Local Operator Panel



## Maintenance Gates

Designed as a platform to allow maintenance personnel quick and safe access for maintenance such as high wearing areas in chutes.

## Hydraulic Power Units



## SELECTION DATA

Please consult Transmin for confirmation of selection. Capacity range covers materials of various types of particle sizing. Non standard widths are available for special orders.

LIGHT - MEDIUM DUTY SINGLE GATES						
	600mm	800mm	1000mm	1200mm	1500mm	
GATE PLATE THICKNESS	25mm	25mm	25mm	40mm	40mm	
HPU POWER	3kW	3kW	3kW	7.5kW	7.5kW	
GATE APARTURE WIDTH	600mm	✔	✔	✔	✔	-
	800mm	✔	✔	✔	✔	✔
	1000mm	*	✔	✔	✔	✔
	1200mm	*	*	✔	✔	✔
	1600mm	*	*	*	✔	✔
	2000mm	*	*	*	*	*

HEAVY DUTY SINGLE GATES										
	600mm	800mm	1000mm	1200mm	1500mm	1800mm	2200mm	2600mm	3000mm	>3000mm
GATE PLATE THICKNESS	50mm	50mm	50mm	60mm	60mm	60mm	70mm	70mm	70mm	70mm
HPU POWER	7.5kW	7.5kW	7.5kW	7.5kW	18kW	18kW	22kW	22kW	22kW	22kW
GATE APARTURE WIDTH	600mm	✔	✔	✔	✔	*	*	*	*	*
	800mm	✔	✔	✔	✔	✔	*	*	*	*
	1000mm	*	✔	✔	✔	✔	*	*	*	*
	1200mm	*	*	✔	✔	✔	✔	✔	*	*
	1600mm	*	*	*	✔	✔	✔	✔	✔	*
	2000mm	*	*	*	*	✔	✔	✔	✔	✔
	2400mm	*	*	*	*	*	✔	✔	✔	✔
	2800mm	*	*	*	*	*	*	✔	✔	✔
	>2800mm	*	*	*	*	*	*	*	*	✔

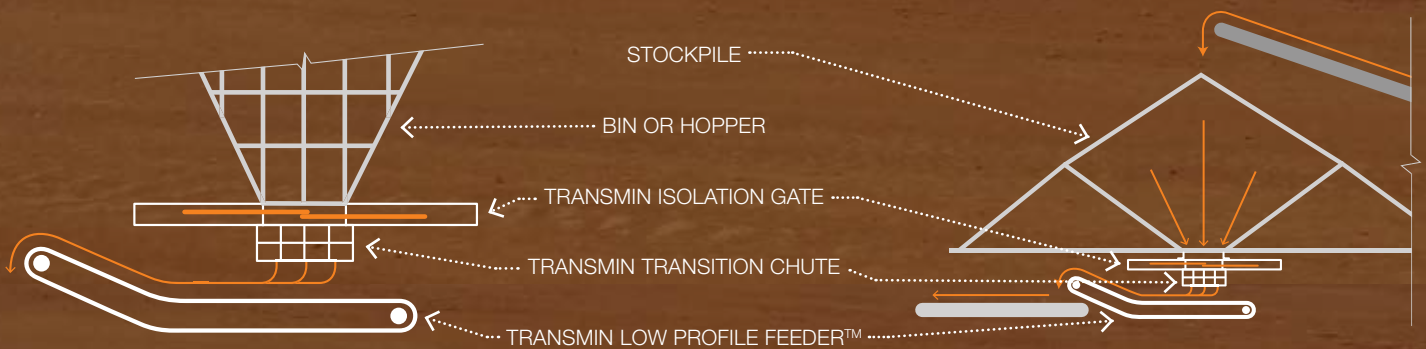
HEAVY DUTY DOUBLE GATES										
	<3000mm	3000mm	3500mm	4000mm	4500mm	5000mm	6000mm	7000mm	8000mm	>8000mm
GATE PLATE THICKNESS	70mm	70mm	70mm	70mm	100mm	100mm	100mm	100mm	100mm	120mm
HPU POWER	45kW	30kW	30kW	30kW	55kW	55kW	75kW	75kW	75kW	90kW
GATE APARTURE WIDTH	<1500mm	✔	*	*	*	*	*	*	*	*
	1500mm	*	✔	✔	✔	✔	✔	*	*	*
	1800mm	*	*	✔	✔	✔	✔	✔	*	*
	2000mm	*	*	*	✔	✔	✔	✔	✔	*
	2400mm	*	*	*	*	✔	✔	✔	✔	✔
	2600mm	*	*	*	*	*	✔	✔	✔	✔
	3000mm	*	*	*	*	*	*	✔	✔	✔
	>3000mm	*	*	*	*	*	*	*	*	✔

\* - Available on request



## APPLICATIONS

Primary applications include stockpile outlets, dump hoppers and screen feeding bins.





**HEAD OFFICE**

**Western Australia**

**Local Call:** 1300 127 091

**International Call:** +61 (0) 8 9270 8555

**Email:** wasales@transmin.com.au

**Address:** 33-37 Denninup Way Malaga  
Perth, Western Australia, 6090

**Queensland & Northern Territory**

**Local Call:** 1300 800 609

**International Call:** +61 (0) 7 3736 3340

**Email:** qldsales@transmin.com.au

**INTERNATIONAL OFFICES**

**South America**

**Email:** sales.sa@transmin.com.au

**Brazil**

**Email:** sales.br@transmin.com.au

**North America**

**Email:** sales.ca@transmin.com.au

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



Committed to being a  
world class supplier and service provider  
recognised for integrity pure innovation

