

Remediation, Waste and Scrap Containers

For Road Rail and Sea Transport

2025 Edition



Introducing the Intermodal Solutions Group (ISG) Remediation, Waste and Scrap Containers



Remediation, Waste and Scrap Containers

ISG has the largest range of specialised containers in the world. Our core business is our bulk mining containers. Our remediation business and general freight and steel rack container business make up the rest of the ISG fleet. We have three product brochures due to the size of our container design fleets. The below brochure is for our remediation, waste and scrap containers.

ISG understands the critical importance of safe and compliant transportation of waste materials. Our heavy-duty waste containers are designed to meet stringent international regulations for handling scrap metal, removal of contaminated chemical plants, biological waste, and other hazardous materials. These fully intermodal containers are tested and certified for road, rail, and sea transport (ISO).

To ensure the responsible and secure movement of your waste cargo with ISG's specialized container solutions, our team of experts will work closely with you to customize the containers to meet your specific requirements and ensure compliance with all relevant safety standards. Reach out to us today for a tailored waste container solution.

ISG has supplied to large blue- chip customers in Ireland, Europe, USA and Australia, remediation, waste and scrap containers all built to ISO standards so they can be moved on road, rail and sea. Our containers also have American DOT and AAR certifications.

The Intermodal Solutions Group (ISG)

Remediation, Waste and Scrap Containers



Contaminated Soil and Biological Waste Containers

Intermodal Solutions Group (ISG) offers a range of heavy-duty containers for the Waste and Scrap industry. ISG will customise the container to suit your application, cargo and desired payload. The container could be used for a wide range of cargos such as:

- Scrap Steel
- HMS Scrap. (Heavy melting scrap)
- Contaminated Soil
- Radioactive waste
- Biological waste
- Spent pot linings
- Industrial Waste
- General garbage
- Recyclable waste

Our waste containers are fully intermodal meaning they can be transported on Road, Rail and Sea. They are fully tested to International Marine Dangerous Goods code, in addition to Unites States AAR and DOT requirements.

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Remediation, Waste and Scrap Containers



Wastes and Scrap Containers

Key Features:

- IMDG BK2 Compliant.
- Watertight, Barn style rear doors
- Hook lift truck compatible,
- AAR Tested – Suitable for operation on USA Rail network.
- Heavy duty construction
- Removable Hard lid or Tarpaulin
- Heavy duty fork pockets (Up to 3R testing)
- Optional underside rollers – allowing for local Pick-up and Delivery with no container handling equipment requirements

Hook lift and Rail compatible

ISG Waste containers, can include special hook lift front wall design, and underside rollers.

This allows the containers to be delivered to waste receival sites with no container handling infrastructure. The container can be loaded by the customer, and then collected by the special hook lift trucks. After collection the containers can be transported by Rail, just like a regular container.

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Remediation Containers

ISG understands the critical importance of safe and compliant transportation of waste materials. Our heavy-duty waste containers are designed to meet stringent international regulations for handling scrap metal, removal of contaminated chemical plants waste, biological waste, and other hazardous materials. These fully intermodal containers are tested and certified for road, rail, and sea transport.

The containers used to transport waste in the Roche Clarecastle Site Remediation project have been supplied by ISG.

Check out the details at www.rocheclarecastle.ie

Ensure the responsible and secure movement of your waste cargo with ISG's specialized container solutions. Our team of experts will work closely with you to customize the containers to meet your specific requirements and ensure compliance with all relevant safety standards. Reach out to us today for a tailored waste container solution.

Specifications

Weight (kg)		Capacity	
Max. Gross	Tare	Max. Payload	(M ³)
32000	4000	28000	27.4

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Remediation, Waste and Scrap Containers



Safe and Secure Waste Container Solutions

In 2024 ISG designed and supplied waste containers to Canada for road and rail usage. Waste products vary and the engineering team at ISG can design our waste containers to suit your product that needs to be moved by either rail or road.

ISG can arrange for the certification of the containers in various countries around the world. Australia, Canada, America, Ireland and Europe have some of the most stringent regulations on the globe and ISG has had our designs certified to be used in these countries.

Our engineering team is available to discuss your logistic requirements on www.pittoship.com

Specifications

Weight (kg)		Capacity	
Max. Gross	Tare	Max. Payload	(M ³)
30530	4700	25830	24.5

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Remediation, Waste and Scrap Containers



Scrap Metal Container

ISG have designed many scrap containers suitable for various waste and scrap products.

This container was built for the Australian domestic market for moving scrap metal via rail from Brisbane to regional NSW

The container is heavy duty and suitable for top loading and rear door discharge.

Specifications

Weight (kg)			Capacity
Max. Gross	Tare	Max. Payload	(M ³)
30480	4200	26280	37.5



The Intermodal Solutions Group (ISG)

Remediation, Waste and Scrap Containers



20' Scrap Steel and Waste Containers

ISG specialised 20' Open Top Containers for Scrap steel and Waste are purpose build for the harsh loading and unloading conditions related to these types of products.

Features include:

- Single "Barn Style" Rear Door.
- Door locking mechanism is operated from the side of the container.
- Door locking mechanism is robust, simple to use and easy to maintain.
- Locking mechanism designed for operator safety when unloading the container
- 5mm thick Steel Floor Plate and Side Walls for maximum impact and wear resistance
- Smooth internal walls and door opening to ensure product cannot "Snag" when discharging.
- Heavy Duty Construction
- Suitable for Transport on Road, Rail and Sea

Specifications

External Dimensions (mm)			Internal Dimensions (mm)			Weight (kg)		Capacity	
Length	Width	Height	Length	Width	Height	Max. Gross	Tare	Max. Payload	(M ³)
6058	2438	2591	5848	2110	2409	30480	4450	26030	39.7

Stacking Test Load 88,430 kg

The Intermodal Solutions Group (ISG)

Remediation, Waste and Scrap Containers



FLEXITOP – Multipurpose – Pallet Wide

Welcome to the Flexitop range of bulk open top containers. Traditional open top containers take two experienced people over 40 minutes to replace the roof tarp. Our patent pending Flexitop container takes one untrained person three–four seconds to wind back the handle and seal the roof. This amazing technology has revolutionised the bulk container industry.

- Manufactured to suit a range of bulk products and Palletised products.
- Load bulk product one way, palletised finished product on the return journey.
- Fitted with FLEXITOP retractable tarpaulin system.
- Smooth Internal Walls
- Large Tipping Hatch
- Rear Doors
- Pallet wide and capable of 10 pallets on the floor.
- Heavy lift fork pockets.
- Sampling ports can be included, to allow product sampling without opening the Flexitop Tarpaulin.
- Within ISO Dimensions for universal handling.
- Units shown in the photos were manufactured to carry potatoes and finished product for SMITHS crisps.

Specifications

External Dimensions (mm)			Internal Dimensions (mm)			Weight (kg)		Capacity	
Length	Width	Height	Length	Width	Height	Max. Gross	Tare	Max. Payload	(M ³)
6100	2500	2896	5875	2354	2311	31600	3600	28000	32

The Intermodal Solutions Group (ISG)

Remediation, Waste and Scrap Containers



FLEXITOP – Sulphur

- Manufactured to suit a range of bulk products such as Sulphur and Fertiliser.
- Load bulk and discharge bulk product easily and efficiently.
- Fitted with FLEXITOP retractable tarpaulin system.
- Smooth Internal Walls
- Large Tipping Hatch fitted with grain locks.
- Heavy lift fork pockets.
- Sampling ports can be included, to allow product sampling without opening the Flexitop Tarpaulin.
- Stackable empty and loaded.
- Tarp can be operated manually or with power.

Specifications

External Dimensions (mm)			Internal Dimensions (mm)			Weight (kg)			Capacity
Length	Width	Height	Length	Width	Height	Max. Gross	Tare	Max. Payload	(M ³)
6058	2500	2591	5829	2354	2126	31370	3370	28000	29.2

Introducing the ISG Rotating Container Fleet



Rotating Container for Copper Concentrate A-TYPE and Suitable for Waste Transport

Introducing the ISG **Rotating Container Fleet**.

These containers are used for various commodities around the world from Grain, sugar, copper, lithium, iron ore, zinc to name a few. The containers have various designs for various commodities. Our copper fleet have no doors and are water tested to ensure no leakage and are ideal for contaminated soil movement. Loaded after the lid is removed and unloaded by either a reach stacker tippler or ships tippler our many designs can be seen on our website www.pittoship.com

Other designs have rear hatches so they can be unloaded by tip trucks instead of using a tippler the next page shows this container design.

Specifications

External Dimensions (mm)			Internal Dimensions (mm)			Weight (kg)		Capacity
Length	Width	Height	Length	Width	Height	Max. Gross	Tare	Max. Payload (M ³)
6058	2438	2200	N/A	N/A	N/A	33500	3450	30050 20.5

The Intermodal Solutions Group (ISG)

Remediation, Waste and Scrap Containers



Dual Purpose Unloading Bulk Container - BK2 Certified

ISG has found the need for a bulk container to be able to provide the customer with a dual purpose unloading option. The container is loaded when the lid is removed. The lid is then replaced providing a dust free situation. The container is either taken by road, rail or sea to the loading port. The container can be unloaded by either de-cantering through the rear hatch onto the old conveyor belt systems or via the new dust free tippler system using the ISG patented lid lifter.

These options allow the customer to utilise existing old de-cantering methods or the new tippler application. The container also has the option of adding an interior lining of stainless steel for back loading of coarse product.

The forces from a tippler with pay loads of 28t -42t would destroy a normal container that is why ISG have designed their CONTAINERTIPP fleet.

Specifications - Standard and Stainless Steel Lining Model

Model	External Dimensions (mm)			Internal		Rear Door Opening		Roof Opening		Weight (kg)			Capacity (M³)
	Length	Width	Height	Length	Height	Width	Height	Length	Width	Max. Gross	Tare	Max. Payload	
Standard	6058	2438	1800	5849	1502	2146-2273	1256	5418	2132	33330	3330	30000	18.8
Stainless	6058	2438	1800	5847	1500	2142-2269	1252	5418	2132	33760	3760	30000	18.6

ISG - Pit to Ship Solutions™





We offer a new fleet of the most advanced powder tanks. Choose from three design options which, with our standard ISO tank design, are all compatible with marine and intermodal transportation infrastructure – eliminating costly and time-consuming cargo transfer at these hubs.

Our special fluidisation membrane matting provides flex to the tank barrel cones, resulting in more effective discharge than conventional designs. As a result, our powder tanks have become the preferred choice for leading construction and mining companies.

The four designs accommodate a wider selection and solution for project work, whether units are needed for transportation by road, rail, sea or to be loaded and operated stationary at remote work sites:

- 4 cone with fluidisation matting (ship cell friendly – standard ISO dimensions)
- 4 cone sure seal aerated with ground loading, 2.5m wide
- 3 cone with fluidisation matting and optional side ground loading, 2.5m wide
- 3 cone with fluidisation matting and ground loading (ship cell friendly – standard ISO dimensions)

Key Features:

- Additional barrel pressure gauge for extra safety
- Stainless steel butterfly valves
- One loading hatch with internal cone supports for even spreading
- Two back flow shut-off valves
- Added silencer also used as pressure release
- Australian and New Zealand work safe approved units

Vessel Design Codes:

- AS1210-3, AS3873-2000, AS1271-2003, AS3788-2006, AS1210 - 2010 Class3, AS4458 - AS4037
- NZ Design Verification Certified C/8141-1-1 (3 cone ship cell friendly - ground loading)
- NZ Design Verification Certified Q/2736-2-1 (4 cone ship cell friendly)
- Qld Work Safe - Certificate of Registration of Plant Q28793 - 4 cone sure seal aerated with ground loading
- Qld Work Safe - Certificate of Registration of Plant Q29733 - 4 cone ship cell friendly
- Qld Work Safe - Certificate of Registration of Plant Q29734 - 3 cone with fluidisation matting and ground loading.

Powder Tank

Typical Specification 20ft x 8ft x 9ft 6ft

Dimensions*	Length	Ext 6,058mm
	Width	Ext 2,500mm
	Height	Ext 2,896mm
	Diameter	Int 2,484mm
Rating	Cubic capacity	27.0m ³ 954ft ³
	MGW	34,000kg 74,955lbs
	MAWA	0.16MPa 23.20psi
	Tare weight	3,820kg 8,420lbs
	Max payload	31,850kg 70,220lbs

*Dimensions are nominal and typical, there may be variations





Insulated, uninsulated and baffled options available.

Stacking up to nine units high, our young fleet is equipped with 12m² effective surface of steam heating using Duplex stainless steel and ISO-required triple-closure secure design as standard.

Suitable for hazardous, non-hazardous and food grade cargoes, and with an easy-clean design, this fleet has been manufactured as a robust, economical solution for extended use.

- Uninsulated options available for 24,000 and 25,000 litre tanks.
- Baffled 26,000 litre tanks available with 3xV type fully welded stainless steel baffles, offering a large capacity tank with increased product flexibility.

Key Features:

- Handrail and full walkway options available
- Remote cable-operated airline release valve at ground level for operator safety
- Top outlet provision
- No cladding straps to minimise damage
- Approvals include: UIC, CSC, TIR, IM101, UK (DOT), RID/ADR, AAR600, FRA, TC, IMDG, US DOT
- Full intermodal compatibility
- Most popular for food, chemicals, petrochemicals and pharmaceuticals

Insulated, Uninsulated & Baffled

Typical Specification

20ft x 8ft x 8ft 6in ISO T11 Tank

Dimensions*	Length	Ext 6,058mm
	Width	Ext 2,438mm
	Height	Ext 2,591mm

26,000 litre Insulated Baffle Tank

Rating		
26,000 litre	MGW	36,000kg 79,365lbs
	Tare weight	3,790kg 8,455lb
	Max payload	32,210kg 71,010lb

*Dimensions are nominal and typical, there may be variations



ISG Pit to Ship Solutions™

ISG, helping you on your way to your Environmental, Social and Corporate Governance journey (**ESG**).



ISG Pit to Ship Solutions™ **CAPEX** or **OPEX** Logistic, Storage and Ship Loading System



Fertilizer Grade Container

Introduction: Intermodal Solutions Group (ISG) supply a logistical, storage and ship loading system to the fertiliser bulk industry.

ISG is Benchmarking their successful minerals system which has been implemented around the world using bulk containers and their patented lid lifting system on the tippler, to the fertilizer industry.

The system: The bulk containers are loaded at the production facility either by loading chutes or conveyor belts into the container roof hatches.

Once loaded the containers are sealed and the lid is not removed again until the bulk product is ready to be emptied.

The containers are transported by road or rail to the loading port. **Container ports** are employed for international export. **River ports** are utilised for river distribution



Tippler Loading

Storage: The containers are used as storage sheds eliminating the usage of conventional dust and labour-intensive sheds. **No double handling.**

At the river ports some customers have bagging facilities so the bulk product is unloaded using the container tippler into the bagging shed through a chute arrangement which then delivers the product into bags for river distribution.

At the ocean ports some customers use the current port facilities with the addition of the container tippler. When the ship arrives, the containers are moved around to the quay side and lifted into the ships hold. The lid is automatically lifted off the container and then the tippler rotates the container 360degrees emptying the fertilizer into the ships hold.

The lid is then replaced and the containers are taken back to the processing plant to start the loop again.

Green and Clean ISG , helping you on your way to your Environmental , Social and Corporate Governance journey (ESG)



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See videos on our website of ships
being loaded at: www.pittoship.com

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