



FENCING

Product Guide

Our **Distribution Businesses**



BlueScope Distribution operates from more than 50 metropolitan and regional sites around Australia to offer a diverse range of steel products to industries including resources, transportation, automotive, construction, infrastructure and agriculture.

www.bluescopedistribution.com.au



BlueScope Pipeline Supplies offers a wide range of steel pipe and fittings to service mining, fire and mechanical, utilities and rural industry customers throughout Australasia.

www.bluescopepipelinesupplies.com.au



BlueScope Steel - Sheet Metal Supplies offers a diverse range of sheet and coil steel products, comprising galvanised, zinc coated, aluminium zinc coated, hot rolled, cold rolled, pre-painted, aluminised, COLORBOND® steel and ZINCALUME® steel.

www.sheetmetalsupplies.com.au

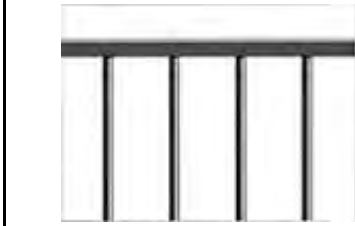


Metalcorp Steel enjoys a strong position nationally with a growing retail network, providing an unparalleled commitment to servicing the complete steel needs of its customers.

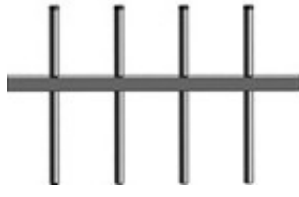
www.metalcorpsteel.com.au

Alternate Decorative Fencing Options.

Alternative Decorative Aluminium Pool Fencing Options.



Eden™:- Flat Top - 2400mm Long.
Heights:- 900 - 1200 - 1500 - 1800mm
Vertical Bars:- 16mm or 19mm O.D.

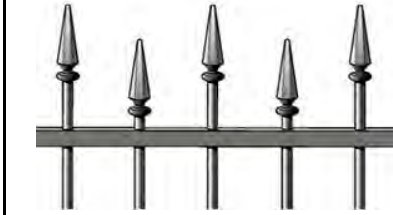


Byron™:- Rod Top - 2400mm Long.
Heights:- 1200 - 1500mm
Vertical Bars:- 16mm or 19mm O.D.

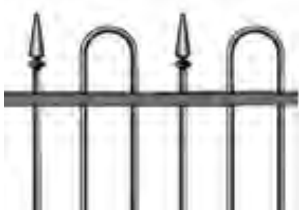


Keppel™:- Loop Top - 2400mm Long.
Heights:- 900 - 1200 - 1500 - 1800mm
Vertical Bars:- 16mm or 19mm O.D.

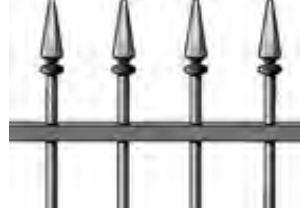
Similar style gates are also available. Please check.
Most swimming pool barrier codes require gates to be self closing and self latching. A magna latch; as shown; may be a statutory or compulsive requirement.



Noosa™:- Hi-lo Spear Top - 2400mm Long.
Height:- 1200mm
Vertical Bars:- 16mm or 19mm O.D.



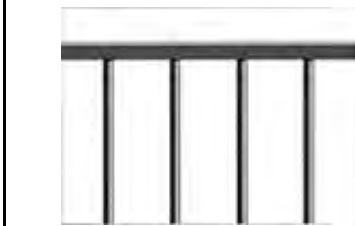
Hayman™:- Loop & Spear Top - 2400mm
Heights:- 900 - 1200 - 1500 - 1800mm
Vertical Bars:- 16mm or 19mm O.D.



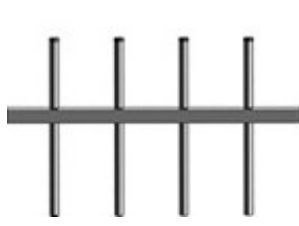
Lorne™:- Level Spear Top - 2400mm Long.
Height:- 1200mm
Vertical Bars:- 16mm or 19mm O.D.

Details courtesy of ARC Fences. The names in bold and underlined are Trademarks of ARC Fences.

Alternative Decorative Steel Fencing Options.



Sturt™:- Flat Top - 2400mm Long.
Heights:- 900 - 1200 - 1500 - 1800mm
Vertical Bars:- 16mm or 19mm O.D.



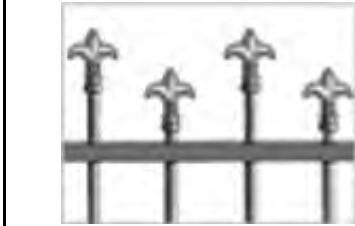
Bass™:- Rod Top - 2400mm Long.
Heights:- 900 - 1200 - 1500 - 1800mm
Vertical Bars:- 16mm or 19mm O.D.



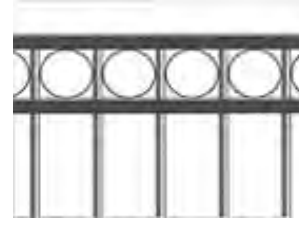
Lassiter™:- Loop Top - 2400mm Long
Heights:- 900 - 1200 - 1500 - 1800mm
Vertical Bars:- 16mm or 19mm O.D.

Similar style gates are also available. Please check.

While the ARC Fences range has been shown, some other manufacturers may have a similar panel but under another name



Bourke™:- Hi-lo Spear Top - 2400mm
Heights:- 900 - 1200 - 1500 - 1800mm
Vertical Bars:- 16mm or 19mm O.D.

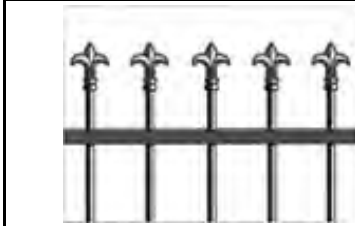


Blaxland™:- Flat Top with Ring - 2400mm
Heights:- 900 - 1200 - 1500 - 1800mm
Vertical Bars:- 16mm or 19mm O.D.

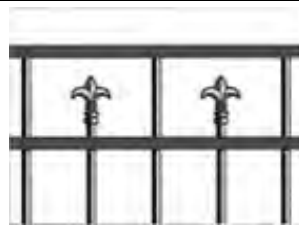


Leichardt™:- Loop & Spear Top - 2400mm
Heights:- 900 - 1200 - 1500 - 1800mm
Vertical Bars:- 16mm or 19mm O.D.

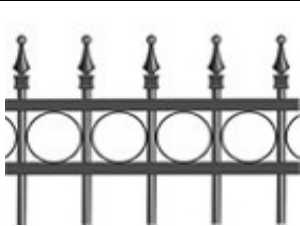
A typical fixing method is by using an "L" bracket or a tube bracket as shown.



Wills™:- Level Spear Top - 2400mm Long.
Heights:- 1200mm
Vertical Bars:- 16mm or 19mm O.D.



Oxley™:- Flat Top with Spear - 2400mm
Heights:- 900 - 1200 - 1500 - 1800mm
Vertical Bars:- 16mm or 19mm O.D.



Lawson™:- Level Spear with Ring - 2400mm
Heights:- 900 - 1200 - 1500 - 1800mm
Vertical Bars:- 16mm or 19mm O.D.

Standard latches and hinges may be used to secure a tubular steel gate.



Details courtesy of ARC Fences. The names in Bold and Underlined are Trademarks of ARC Fences.

Alternate Domestic Fencing Options.



Chainwire Fencing.

A domestic chainwire fence will normally consist of galvanized posts - 32NB, and a galvanized pipe top rail - 25NB. These galvanized pipes have an outside dimension of 42.2mm and 33.7mm. The bottom rail is a customers preference and may either be another 25NB galvanized pipe but is more often a stainer wire consisting of either 2.5mm or 3.15mm galvanized tie wires. The stainer wire is doubled around the length of the fence line and twisted to a taut condition.

The chainwire rolls are supplied in 20 metre rolls while the posts are spaced at 2.40 metres. Galvanized posts for a 1200mm high fence would be 1800mm long and have 600mm of which is cemented into the ground. Post heights may vary according to the chainwire height used. Some steel merchant outlets will hold stocks of both size pipes in 7.200 m long to avoid wastage.

The galvanized pipe posts and top rails are held together with special pipe clamps that are bolted together as a unit. These pipe clamps would be a T2532 galvanized fence fitting.

The chainwire is normally tied or "laced" to the top rail using a small diameter tie wire - 1.5mm. The bottom of the chainwire could be held to the stainer wire by the use of a "C" Paspro Clip.



Suggested requirements for a Domestic Chainwire Fence. (Straight Fence).

String Line.	Chainwire.	Posts.	Top Rail.	Strainer Wire	Tie Wire.	Maspro Clips	Fittings	Other Fence Fittings	Post Mix.
Total length of fence For a straight fence.	Total length of fence divided by 20m.	Total length of fence divided by 2.400m	Total length of fence divided by 7.200m	Total length of fence time two.	Total length of fence time four.	Total length of fence divided 500mm.	The total number of posts.	There may be a need for corner fence fitting if the fence is in a straight line.	Total number of posts times 1.5 1.5 bags/post

Alternate Domestic Semi Rural Fencing Options.

Dog Mesh and Hinge Joint Fencing.

Dog Fence Mesh is supplied as a welded wire in 1.200m high and in either a 10.0m or 30.0m roll. This mesh has a graduated spacing ranging from a small opening at the bottom to a larger opening at the top. The vertical wires are spaced at 150mm apart.

Using Dog Mesh as a fencing option, there is only the need for posts and caps and stainer wires at both the top and bottom.

While this fencing option is very stiff, it could also be expensive.

An alternative to the above is to use a product that is known as Hinge Joint or Acreage Fencing. This type of fence is popular with the semi rural and rural sectors and small acreage farmers.

The mesh is similar to the Dog Mesh above in that it has graduated spacings but with the hinge joint knot there is more flexibility in the fence itself. It is also a little cheaper than the Dog Mesh option.

These rolls are supplied in 100m rolls and the most popular hinge joint is called 811515 Hinge Joint. This designation means that there are 8 horizontal wire at graduated spacings. The height is 115cm and the 15 means that the vertical wires are spaced at 15cm apart.



COLORBOND® steel Fencing.



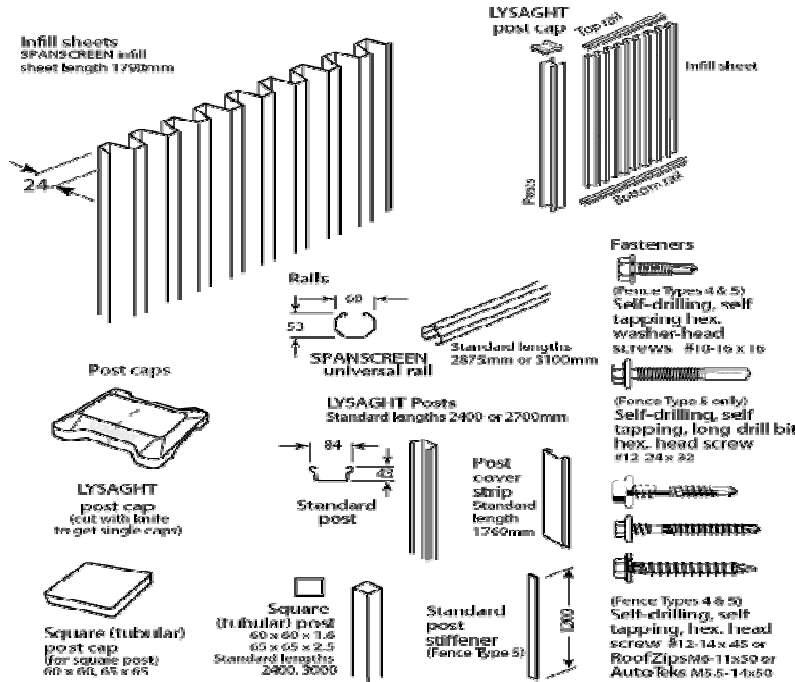
COLORBOND® steel Fencing.

There are a number of suppliers who can supply a Pre-Painted steel fence and at reasonable prices. However, there is only BlueScope Lysaght who supply a COLORBOND® steel fence.

The Lysaght COLORBOND® steel fence consists of a number of components and may be assembled very quickly by two persons.

The components for a fence is as the diagram below. It is only the infill sheets that alter the style or name of the fence.

Styles include Neetascreen/Smartascreen, Miniscreen, Customscreen. These may be supplied in 1500, 1800 or 2100mm high.



COLORBOND® steel is a registered name of BlueScope Lysaght.

All details are correct at time of printing
Details may change without prior notice.

All details are courtesy of BlueScope Lysaght.

All diagrams and photographs are for illustration purposes.

COLORBOND® steel Plus Fencing.

A variation on the above styles is to add a lattice section of 300mm to the top of the fence. This may be referred to as Neetascreen Plus.

Other alternative finish is to add Ball Caps instead of the normal COLORBOND® steel fence cap.

While most of the fence styles may be installed as straight line, raked or steeped, the addition of the lattice section can only be applied to a straight or a stepped fence. The addition of the lattice section to a raked fence will not work.



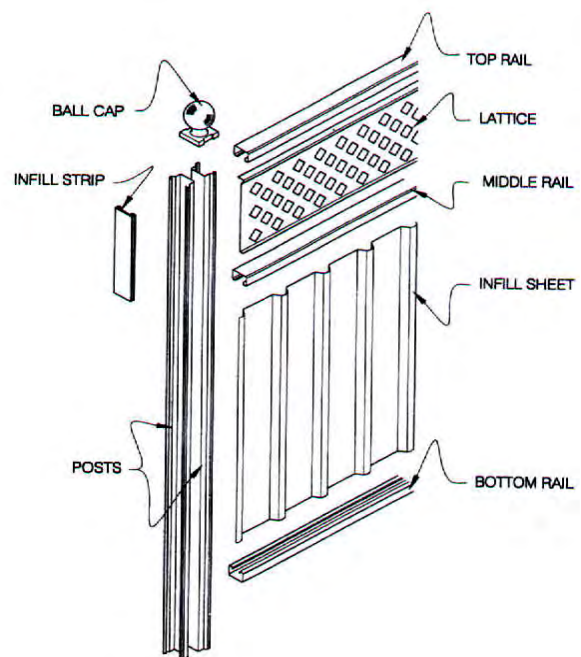
An example of a straight fence.



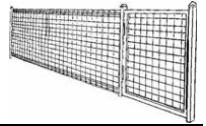
An example of a raked fence.



An example of a stepped fence.



Domestic Fencing Options.



Weldmesh Fencing Panels.



Banksia

Available in 910mm and 1210mm.
Roll top and bottom. 5mm wires - spaced 75mm.



Jacaranda

Available in 910mm and 1220mm high.
5mm wires - spaced 75mm x 150mm.



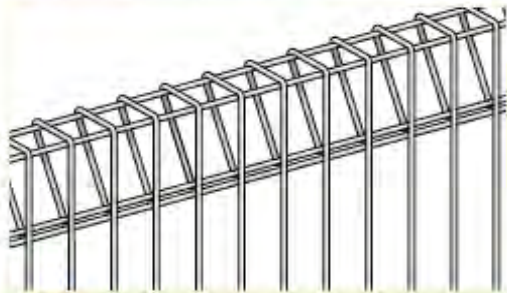
Garden

Available in 920mm, 1220mm, 1520mm, and 1820mm high.
5mm wires - spaced 50mm x 150mm.



Acacia

Available in 910mm, 1210mm, and 1810mm high.
Roll top and bottom. 5mm wires - spaced 75mm x 50mm.



Wattle

Available in 1270mm and 1520mm high.
Roll top and bottom. 8mm wires - spaced 75mm.



Willow

Available in 1260mm and 1520mm high.
Top and bottom rail. 8mm wires - spaced 75mm.

Banksia Panels.

Ideal for use as a garden fence.
A very open design - does not hide foliage.
Not to be used as a pool fence option.

Jacaranda Panels.

An alternative garden fence.
A more closed looking panel.

Garden Panels.

A closer spaced weldmesh panel than the Jacaranda panels.

Acacia Panels.

The most popular fence panel for the domestic market and home decorator.

Wattle Panels.

A roll top panel that may be used as a pool panel, but the roll top and bottom may be seen as a child hazard. Please check with your local council before installation.

Willow Panels.

An alternative flat top pool panels. The horizontal wires may be deemed a child hazard. Please check your local council.

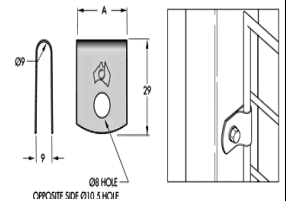
Suggested Fixing and Accessories.

These panels may be fitted to a variety of posts, timber, square steel hollow sections or round hollow steel pipes.

The most common joining method is with a galvanized "U" clip, and with nails or bolts and nuts.

To finish these posts, you may also need post caps (round or square), base plates (for fitting onto concrete) or post supports; if your posts are made from timber. What about bags of cement, for in ground installation?

Details shown are courtesy of ARC Fences. Items in Bold and Underlined are Trademarks of ARC Fences.



Square or Round Posts.	Square or Round Post Caps.	Square or Round Base Flanges.	Post Support and Bagged Cement.

Some photos are for illustration purposes.

Rural Fence Options.



Rural Fence Options.

We do not suggest that there is a right or wrong rural fence system as there are many situations and economic variations to consider.

Each fencing system is different for each animal, for each grazing area and whether there is an economy in using any timber that is available or that there will be a need for a steel post to be used in a high fire prone area.

Therefore, let us suggest the following items that may or may not be considered when building a rural situation fence.

Barbed Wire. Normally supplied in 1.8mm or 2.5mm and because of the relevant costs, only to be used as one strand and on the top run of the fence.
Barbed wire was invented in the USA in 1874 and it was the wire that fenced the "west". It was cattle rather than sheep which opened up the central plains and range country of North America.

Fence Wires. Depending on the animal, the call may be needed for Horse Sighter Wire (this has a white PVC coating), 4.0mm Helical wire, 4.0mm plain wire or 2.5mm or even 3.15mm plain wires.

Posts Some people prefer to use timber posts while others may decide to use steel posts (pickets) either in black or galvanized finish.

Droppers To minimize the number of posts, some fences may incorporate steel dropper and there are a number of variations on the market. Depending on the animal, the fence line may have two or three droppers between each post and and post spaced at up to 20m or more

Wire Strainers These are again supplied in a number of variations but the most prevalent is the ratchet type of fence wire strainer used.

Tools. Here again, it will largely depend on the personnel preference but could we suggest, a post hole digger, a post rammer, fencing pliers, gloves and personnel safety equipment in the form of glasses, suitable foot wear a hat.

Some suggested items for a Rural Fence.



Other styles of Rural Fences.

Some people will prefer that their fences are made from a prefabricated wire product.

An example would be the use of Hexagonal netting for the chicken run.

For smaller animal, a producer might like to use Ring Joint (Ring Lock™) fencing.

Product	Height cm	Length m	Main Uses
5/67/30	67	200	Sheep & Lamb
6/70/30	70	200	Sheep & Lamb
6/90/30	90	200	Cattle/Sheep
7/90/30	90	200	All Stock
5/70/30	70	200	Mature Sheep

Ring Lock™ is a registered trademark of OneSteel Wire Pty Limited.

Hinged Joint (Sometimes referred to as Acreage Fence)

Product	Height Cm	Length m	Main Uses
6/70/30	70	200	Sheep(Mature) & Lamb
7/90/30	90	200	All Stock
8/90/30	90	200	All Stock/Boundary
8/80/15	80	200	Intensive Grazing
8/90/15	90	100	Intensive Grazing
8/115/15	115	100	Boundary Fencing

Prefabrication in fencing was forced on Australian landowners by the rabbit plagues. Community projects were undertaken in Victoria & Western Australia where rabbit-proof fences of wire nettings were built to keep rabbits out. Another project is the Queensland Dog Fence to keep the dingo away from stock.

Security Fencing Options.



Security Fencing Options.

There are many variations on a security fence design. There has been the cranked top fence, the straight top fence and with or without Barbed Wire attached to the top. The most economical option is the straight top security fence with three rows of barbed wires laced onto the top..

A more common design these days consists of a corner post (80NB), braced and intermediate straight posts of 40NB, all in galvanized finish.

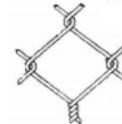
The corner posts and intermediate posts are all capped. The intermediate posts may be crimped in three place at the top to accommodate the tying of the barbed wires.

Intermediate posts are placed at 2.400 metre spacing's which allow for an optional pipe top rail. Some outlets will carry galvanized pipes in 7.200m lengths, leaving no wastage. For very large installations, it may be necessary to order special length galvanized pipes from a mill to reduce or eliminate any waste.

The chainwire used is 1.800m which and may have either knuckle/knuckle top and bottom or knuckle at the bottom and barb at the top. A further option is to have the chainwire supplied with barb/barb both top and bottom.



Knuckle/Knuckle














Knuckle/Barb

As with all chainwire fence options, a stainer wire; doubled and twisted taut; may be used top and bottom and smaller tie wires to lace the chainwire to the intermediate posts and corner stainer posts.

For some very high security areas, the security fence may be topped with a razor wire instead of the normal barbed wires.

Suggested requirements for a Security Chainwire Fence.

Posts	Caps	Tees	Barbed Wire	Adj Corners	Bracing	Chainwire	Stainer wire	Tie Wire	Maspro Clips	Post mix
										
Total length of fence divided by 2.400m	Total number of posts.	Optional Total number of posts.	Total length of fence multiplied by 3.	Total number of corner posts x 2.	Total number of corner posts x 2.	Total length of fence divided by 20m.	Total length of fence time two.	Total length of fence time four.	Optional Total length of fence divided by 500mm.	Total number of posts times 1.5 1.5 bags/post

Prefabricated Security Fencing Options.



Diplomat/Vanguard/Garrison
Through rail (Diplomat) and Face Welded (Vanguard) Uses 25mm square verticals and 40mm square rails with crimped spears.



Custodian
Loop Top and face welded. Uses 25mm diameter vertical bars and 40mm square rails.



Embassy
Crimped Spear Top. Through rails. Uses 19mm round vertical bars and 40mm square rails.

The names shown in Bold and Underlined are Trademarks of ARC Fences.

All details are correct at the time of printing but details may change without prior notice

All details are courtesy of ARC Fences.

Temporary Security Fencing Options.

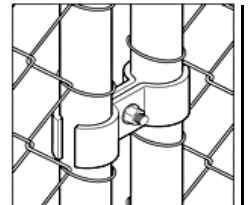
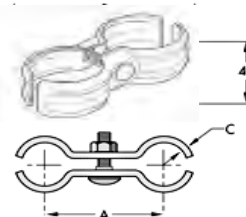
There are many variations of a temporary fence. Some are listed below.

- Temporary fencing to secure construction sites and private property
- Temporary fencing for residential housing sites
- Temporary fencing and crowd control barriers for major public events.

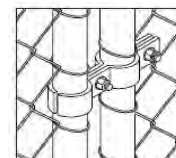
These fence panel can be joined with a TFC (Temporary Fence Clamps) for a number of size pipes.

Temporary Fence Clamps.			Temporary Fence Clamp Hinge.		
Code	Pipe (NB)	Qty/Carton	Code	Pipe (NB)	Qty/Carton
TFCN2525	25 x 25	50	THC4025	40 x 25	20
TFCN3232	32 x 32	20	THC4040	40 x 40	10
TFCN4040	40 x 40	20	THC5050	50 x 50	10
TFCN5050	50 x 50	20			

Temporary Fence Clamps.



Temporary Fence Clamp Hinge.



Our **Project & Processing** Services

Our nationwide network of specialist metals distribution businesses offers a range of value added services to our customers.

WAREHOUSING AND LOGISTICS

Our modern warehouse facilities are serviced by a fleet of delivery vehicles and are designed to process, store, receive and despatch sheet, coil and other metal products with maximum efficiency while maintaining excellent quality.

High product quality delivery standards are maintained by storing products undercover, with inspection prior to despatch, and packaging the material to ensure that no damage occurs in storage or transit.

INVENTORY AND STOCK MANAGEMENT

Inventory Management Programs utilising SAP/MRP software ensure the availability of materials, purchased at competitive prices and held against customer forecasts and delivery schedules.

Our customers benefit from;

- Reduced capital required to finance stock holdings
- Reducing your own warehouse space for stock
- A reduction of damage in storage
- Reducing the management hours needed for inventory.

MATERIALS PROCESSING

Our modern processing centres are able to process a wide range of steel products, dimensions, types and grades. From state of the art multi-blanking, guillotining, shearing, slitting for our sheet and coil product range to plasma, oxy and saw cutting, drilling and coping for our Steel and Tube product range; our businesses are ready to provide all your steel processing needs.

EXPORT SERVICES

Our Exports business unit is in place specifically to supply and service our overseas customers with all products and services within BlueScope Distribution.

Whether it is bulk supply of high quality steel plate or the airfreight of a small, single, specialised valve to the remotest of locations, the export sales unit has the resources, experience and commitment to satisfy your metal supply requirements.



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