easysteel.™

A FLETCHER BUILDING COMPANY



STEEL & WIRE
APRIL 2016

Experience our can-do attitude.

As part of the Fletcher Steel family, the team at Easysteel bring a passion to what we do and how we do it. Individually and collectively through our diversity, scale and expertise across the business, we become a force to be reckoned with.

We believe in being game changers, delivering excellence in engineering and construction, while bringing together the best products, that showcase our innovation and willingness to doing things differently - bringing your projects to life!

No matter who you talk to, you get someone who cares about giving you what you need; each and every time. That's how we're working together for you.

Fletcher Steel™

easysteel. Fletcher Reinforcing Fletcher Wire products Pacific Coilcoaters Dimond Roofing Get the Edge Dimond Structural CSP Pacific

1.

We care.
Building relationships on trust.

It's naturally our way. Our team culture is based on caring about our colleagues and customers, caring about getting it right and seeing the end result come to life. Trust in us to deliver you the very best result for your next project.

2.

Together, the power of one.
Your service experience.

We're a diverse bunch of people with expert skills and capabilities. Only by working together can we achieve greatness and success. We all play a part and this ultimately creates a unique experience for you - our customers.

3.

Getting the details right.
Saving you time.

Nothing is better or more satisfying than getting the job right first time. Together, if we're all over the detail, this means a positive experience for you. Every small step taken makes a difference to our customers. We thrive on a challenge and we're always in your corner.

4.

Our people first culture drives results.
Everyone is in it for the long haul.

When we all care about the outcome it drives a culture change among our team. Every one of us is working together to bring you the very best. It's not only in our name but in our actions - experience the difference.

5.

Making the difference in your projects.
Sharing in your success.

We want you to choose Fletcher Steel, and our desire is to make this happen, because when you're happy we're happy. It needs to be an easy decision working with us and choosing our product. We're committed to giving you what you need - after all, steel is our business.

V04.06.0621

Introduction

Easysteel is a part of Fletcher Steel Limited. The company prides itself on its position as a leading steel distributor in New Zealand providing a comprehensive range of products and services to meet the needs of this market.

The Steel Book is a directory of products and services available from Easysteel and is provided as a guide to assist customers when determining their requirements.

It is by no means an exhaustive list of the company's service portfolio. For in this dynamic environment, operating within a more prevalent global economy, the range of products and services that Easysteel offers is ever changing.



The Steel Book is a part of our full range of publications outlining our product offer. We also have available, The Special Steels Book and The Steel & Wire Book. See our website or ask your Easysteel Sales Representative for a copy of any of these publications.

Every care has been taken by staff in producing this catalogue. Easysteel has endeavoured to ensure accuracy of the information contained herein, however Easysteel cannot and does not accept responsibility for any loss or damage sustained by any party through use of this information.

Introduction

Quality
Easysteel continues to maintain a strong commitment to the principles of total quality management. This results in minimum waste, improved efficiencies and a service promise which meets customer requirements. Easysteel has a philosophy of continuous improvement in all areas of its business.

Service
At Easysteel, we pride ourselves in providing the best service in the Industry. High standards of service throughout the business is a focus for all our teams.

Technical Advice
Easysteel provides technical expertise on all products and services it markets. Specialist advice is available on product properties, product selection and specific end use application. Any advice given should subsequently be authorised by a qualified engineer.

Suppliers
Easysteel has a centrally based supply chain which leverages its strong relationship with suppliers to provide highly competitive offers to its customers. These offers are sourced globally from quality steel mills and suppliers which enables its customers to compete in both domestic and export markets.

Health, Safety & Environment
At Easysteel, our safety goal is zero harm. Health and Safety is our highest priority, not only for all employees, but also for our customers, suppliers, contractors and visitors. We take a pro-active approach in regards to Health, Safety & Environment, and we are continually developing and implementing systems to ensure our workplace is a safe one. At Easysteel, everyone is responsible for ensuring that we are working in a safe manner -

Because we want to… not because we have to!

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RURAL FENCING

A complete range of high tensile and soft fencing wires to suit all farming, horticulture and industrial applications and environments.

All high tensile HiSPAN life products contain vanadium for improved malleability and feature a zinc/aluminium alloy coating that delivers superior durability in all environments.

HiSPAN 2 LIFE WIRE



Specifications:

- For general farming and industrial applications, with a Zinc/Alloy coating that delivers two times the life of heavy galv wire.
- Stronger and more cost-effective than soft wires
- Higher tensile wire allows for the fence to be strained tight, creating a more stock-proof fence that maintains tension after impact
- Often combined with fabricated fence to prevent downward pressure from stock
- Manufactured and tested to New Zealand Fencing Standard NZS3471:1974 and Coating Standard AS/NZS 4534/W05Z5A
- Carries the WIREMARK Guarantee. New Zealand made

Size Range Available:

HiSpan 2 Life High Tensile Wire				
Diameter (mm)	**Gauge (g)**	**Length (m) 25kg Coil Nominal**	**Min. Break Load (kg force)**	**Recommended Tension (kg force)**
1.60	16	1584	220	80
2.00	14	1013	395	110
2.50	12.50	650	620	150
3.15	10.75	408	835	200
4.00	8	253	1405	300
		39kg coil Nominal		
2.50	12.50	1000	620	160

HiSpan 2 Life Low Tensile Wire				
Diameter (mm)	**Gauge (g)**	**Length (m) 25kg Coil Nominal**	**Min. Break Load (kg force)**	**Recommended Tension (kg force)**
1.60	16	1584	89	20
2.00	14	1013	140	65
2.50	12	650	215	80
3.15	10	408	365	150
4.00	8	253	590	250

Fencing Wire

HiSPAN 4 LIFE WIRE



Specifications:

- For coastal and high corrosion conditions, with a heavy Zinc/Alloy coating that delivers four times the life of galvanised HiSPAN
- Manufactured and tested to New Zealand Fencing Standard NZS3471:1974 and Coating Standard AS/NZS 4534/W10Z5A
- Carries the WIREMARK Guarantee. New Zealand made

Size Range Available:

HiSpan 4 Life High Tensile Wire				
Diameter (mm)	**Gauge (g)**	**Length (m) 25kg Coil Nominal**	**Min. Break Load (kg force)**	**Recommended Tension (kg force)**
2.50	12.50	650	620	150
3.15	10.75	408	835	200

HiSpan 4 Life Low Tensile Wire				
Diameter (mm)	**Gauge (g)**	**Length (m) 25kg Coil Nominal**	**Min. Break Load (kg force)**	**Recommended Tension (kg force)**
3.15	10	408	365	150
4.00	8	253	590	250

Applications:

Diameter (mm)	
1.60 - 2.00	Electric fencing Support wires in orchard and viticulture irrigation systems
2.50	Conventional and electric fencing Brace wires in end assemblies Orchard and viticulture applications as training wires and support wires
3.15 - 4.00	Artificial shelter Canopy support Tie back end assemblies Electric fencing leadout wire Horse fencing Conventional fencing

LOW TENSILE SMALL COILS



Size Range Available:

Diameter (mm)	Length (m) 5kg Coil Nominal	Length (m) 10kg Coil Nominal
1.60	317	633
2.00	203	405
3.15	82	163
4.00	51	101

Applications:

Diameter (mm)	
1.60 - 2.00	Temporary electric fencing, tying and lacing wire
2.50	Electric fence wire
3.15	Coastal fencing Residential fencing
4.00	Conventional fencing and coastal situations Horse containment Earth wires Electric fencing leadout wire Footing wire
4.50	Footing wire

Fencing Wire

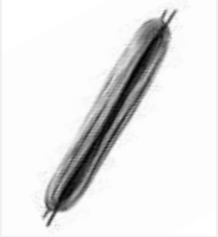
LACING WIRE (GALVANISED)



Size Range Available:

Diameter (mm)	Gauge (g)	Length (m) 500g Coil Nominal
1.60	16	32
2.00	14	20
2.50	12	13

LACING WIRE (NEEDLES)



Size Range Available:

Diameter (mm)	Length (m) Per Needle
1.60	63
2.00	40

STAINLESS STEEL WIRE



Size Range Available:

Diameter (mm)	Min. Break Load (kg force)
3.15	620

Only available in 5kg coils. 80m per 5kg coil.

Applications:

Diameter (mm)	
3.15	Footing wire in corrosive soil environments

BARBED WIRE

Barbed wire can be used as an alternative to electric fencing in all rural, industrial and security applications.



Size Range Available:

High Tensile Reverse Twist		
Diameter (mm)	**Barb Spacing**	**Length (m) 25kg Coil Nominal**
1.60	100	500
1.60	150	500

Low Tensile Standard Iowa Twist		
Diameter (mm)	**Barb Spacing**	**Length (m) 25kg Coil Nominal**
2.50	75	225
2.50	150	255

Fabricated Fencing

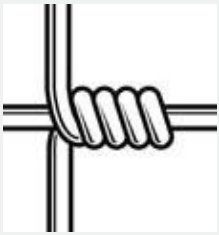
TIGHTLOCK



Tightlock netting is New Zealand's most trusted prefabricated fence. Suitable for all high pressure stock applications Tightlock netting is manufactured using zinc/alloy coated 2.5mm wire for long life.

Thightlocks knot technology and wire spacings provide economical permanent fencing solutions for deer, sheep and beef applications.

TWINLOCK



Twinlock netting has been designed to provide farmers with fast and cost effective temporary and permanent stock control solutions.

Suitable for all low and medium pressure applications Twinlock netting is manufactured using zinc/alloy coated wire for long life and is available in 2.00mm and 2.50mm wire diameters.

TWISTLOCK



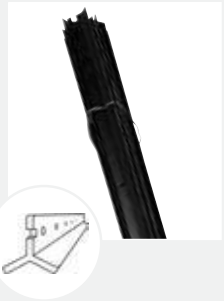
Twistlock netting has been designed to provide farmers with fast and cost effective stock control solutions. Suitable for all high pressure stock applications Twistlock netting is manufactured using zinc/alloy coated 2.5mm wire for long life.

Twistlock knot technology and wire spacings provide economical, permanent and temporary fencing solutions for sheep, beef and dairy applications.

Contact us for more information and stockist

Y POSTS

Manufactured from 2.04kg (per metre) heavy duty steel, provides a durable solution for temporary and permanent fencing requirements.



Size Range Available:

Length (mm)	Number of Holes	Hole Spacing From Top To Bottom (mm) Nominal	Per Bundle
450	2	25 - 100	10
600	3	25 - 115 - 120	10
900	3	25 - 115 - 120	10
1500	7	30 - 200 - 178 - 150 - 127 - 127 - 127	10
1650	7	30 - 200 - 178 - 150 - 127 - 127 - 127	10
1800	8	30 - 200 - 178 - 150 - 127 - 127 - 127 - 127	10
2400	10	40 - 200 - 200 - 200 - 200 - 182 - 152 - 130 - 127 - 127	10

Applications:

Type

Tempory fences - parks, sportgrounds, roadworks

Residential fences

Farm fences - intermediate posts

Droppers

WIRE DROPPERS



Wire droppers are fast to install, lightweight to carry and withstand heavy impact.

Unlike traditional wooden battens, wire droppers can be positioned and locked into place in seconds with a mere flick of the wrist and a screwdriver.

Made from heavy galvanised high tensile spring steel, wire droppers have strength and durability maintain fence wire spacings. Reduced construction time and no ongoing maintenance means wire droppers can save you on cost.

Properties	Benefits
Simple economical design	Easy to install Reusable
Spring Steel	Does not break or splinter
Light weight	Less load on the fence Easily carried
Maintenance free	No re-stapling
Quick to install	No hammering Time saving

4.0 mm heavy galvanised high tensile spring steel. Flexible and durable enough to last the life of the fence

Length	Spacings Wire (mm)	Fence Wire Suitability
711	178 - 152 - 127 - 127 - 127	6
914	203 - 178 - 152 - 127 - 127 - 127	7
940	225 - 178 - 152 - 127 - 127 - 127	7

MTO* Made to order wire dropper available.

Quick and Easy Application:

Step 1: Hold dropper against the fence, with loops parallel to the fence, and engage wires with a downward movement.

Step 2: Rotate the dropper anti-clockwise to lock wires in the loops.

Step 3: Position tails onto top and bottom wires with screwdriver or pliers. Simply reverse steps 1–3 to remove.

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STAPLES & NAILS

Staples & Nails

BARBED STAPLE

Manufactured from zinc / aluminium alloy coated New Zealand wire for long life. The staple is designed with barbed parallel legs. The main grip is the feet splaying and the barb stopping the staple from working itself out. The opposing cuts on the feet give additional holding power by twisting the staple.



Size Range Available:

2 Life Staples		
Length (mm)	**Diameter (mm)**	**Pack Weight (kg)**
27	2.80	0.5 / 5 / 25
30	3.15	0.5 / 5 / 25
40	4.00	0.5 / 5 / 25
45	4.00	0.5 / 5 / 25
50	4.00	0.5 / 5 / 25

4 Life Staples		
Length (mm)	**Diameter (mm)**	**Pack Weight (kg)**
30	3.15	5 / 25
50	4.00	0.5 / 5 / 25

SLICE CUT STAPLE

Manufactured from zinc / aluminium alloy coated New Zealand wire for long life.
The 'U' shape of the staple is designed for consistent driving performance.
The opposing slice cuts of the feet, splay and twist the staple to hold it in the timber.



Size Range Available:

2 Life Staples		
Length (mm)	**Diameter (mm)**	**Pack Weight (kg)**
27	2.80	0.5 / 5 / 25
30	3.15	0.5 / 5 / 25
40	4.00	0.5 / 5 / 25
45	4.00	0.5 / 5 / 25
50	4.00	0.5 / 5 / 25

4 Life Staples		
Length (mm)	**Diameter (mm)**	**Pack Weight (kg)**
30	3.15	5 / 25
50	4.00	5 / 25

Staple Count Per Kilo (Nominal)		
Length (mm)	**Diameter (mm)**	**Quantity (each)**
27	2.80	360
30	3.15	250
40	4.00	120
50	4.00	105

Staples & Nails

DIAMOND POINT STAPLE HOT DIP GALVANISED

Hot Dip Galvanised after manufacture for long life. The point is like a nail. The staple bruises its way in and the friction around the circumference gives the holding power. The staple is wider at the bend compared to other staples, allowing more fence wire to be covered and to fasten electric insulators.



Size Range Available:

Length (mm)	Diameter (mm)	Pack Weight (kg)
30	3.15	25
50	4.00	25

FLAT HEAD GALVANISED NAIL



Size Range Available:

Length (mm)	Diameter (mm)	Pack Weight (kg)
60	2.80	0.5 / 5 / 25
75	3.15	0.5 / 5 / 25
75	5.30*	25
100	4.00	0.5 / 5 / 25
100	4.50	25
125	5.30	0.5 / 5 / 25
150	6.30	0.5 / 5 / 25

* Large head

Nail Count Per Kilo:

Flat & Jolt Head Count Per Kilo (Nominal)		
Length (mm)	Diameter (mm)	Quantity (each)
60	2.80	297
75	3.15	210
100	4.00	98
100	4.50	77
125	5.30	45
150	6.00	29

Staples & Nails

JOLT HEAD GALVANISED NAIL



Size Range Available:

Length (mm)	Diameter (mm)	Pack Weight (kg)
60	2.80	0.5 / 5 / 25
75	3.15	0.5 / 5 / 25
100	4.00	5 / 25

NU WAY FASTENER GALV. ROOF NAIL

Hot dipped galvanised with weather seal washer, suitable for roofing and cladding.



Size Range Available:

Length (mm)	Diameter (mm)	Quantity (each)
60	4.00	50 / 300
75	4.00	50 / 300

TWISTED SPRING HEAD GALVANISED NAIL



Economical alternative to Nuway fastener, for use when weather-proofing is not required. Often used on utility sheds.

Size Range Available:

Length (mm)	Diameter (mm)	Pack Weight (kg)
60	3.15	0.5 / 2.5
75	3.15	2.5

VINEYARD NAIL



Specially developed for the viticulture industry.

Size Range Available:

Length (mm)	Diameter (mm)	Pack Weight (kg)
75	3.75	25
75	5.30	25

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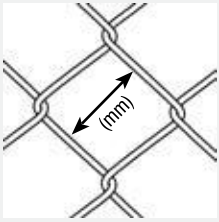
MISCELLANEOUS

Chainlink

GALVANISED CHAINLINK

Manufactured using long life zinc coated wire and features secure joints that resist deformation. Delivering long term durable performance and very easy to erect, this versatile product has dozens of applications: sports, boundary, industrial, security, temporary fences and pet enclosures.



Size Range Available:

Height (mm)	Diamond (mm)	Diameter (mm)	Length (m)
900	50	2.50	10 / 15 / 30
900	50	3.15	10 / 30
900	75	2.50	15 / 10 / 30
900	75	3.15	10 / 30
1200	50	2.50	10 / 15 / 30
1500	50	2.50	10 / 15 / 30
1800	50	2.50	10 / 15 / 30
1800	50	3.15	10 / 15

Made To Order		
Height (mm)	**Diamond (mm)**	**Diameter (mm)**
Galvanised		
Various	25 / 37.5 / 50	2.50
Various	50 / 75	3.15
PVC Hi-Vis Orange		
Various	50	3.00
PVC Black/Green		
Various	37.5 / 50	2.80

Bag Ties

BAG TIES

Double looped soft wire ties. Suitable for chainlink/pipe typing, reinforcing mesh, bags and growing structures.



Size Range Available:

Bag Ties 1.6mm		
Length (mm)	**Roll / Bundle**	**Quantity / Roll**
Galvanised		
110	6	500 / 1000 / 2000
150	5	500 / 1000 / 2000
200	5	500 / 1000 / 2000
250	3	500 / 1000 / 2000
300	2	500 / 1000 / 2000
Black		
110	6	1000 / 2000
150	5	1000 / 2000
200	5	1000 / 2000

Bag Ties 1.0mm		
Length (mm)	**Roll / Bundle**	**Quantity / Roll**
Galvanised		
110	12	2000
150	8	2000

CLIPS & GUNS

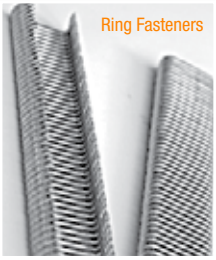
Size Range Available:

Type	Size	Per Packet
Bag Closing Tool		Each
Ring Fasteners	RP22	1000
Stainless Steel Ring Fasteners (Jambro)	RP22	1000
Ring Fastener Gun	RP22	Each

Bag Closing Tool



Ring Fasteners



CYCLONE NETTING CLIPS

Size Range Available:

Type	Per Packet
Netting Clips (min order 10 packs)	500

Ring Fastening Gun

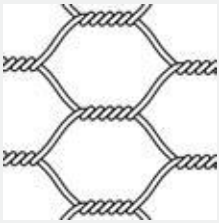


Netting Clips



Mesh

HEX NETTING



Very easy to use, this versatile product has a wide range of applications and can be used for general fencing, garden trellis, landscaping and pet enclosures. Galvanized after fabrication for long life.

Size Range Available:

Hex (mm)	Height (mm)	Gauge (g)	Diameter (mm)	Length (m)
Galvanised				
13	100	22	0.7	50
13	900	22	0.7	5 / 10 / 50
13	1800		0.7	50
19	900	20	0.9	5 / 10 / 50
25	900	20	0.9	5 / 10 / 50
41	900	17	1.40	50
41	1066		1.40	50 / 100
50	900	19	1.00	5 / 10 / 50
50	2000	19	1.00	50
75	900	19	1.00	50
75	2000	19	1.00	50
Green PVC				
13	900		1.0 / 0.7	5
19	900		1.0 / 0.7	5
25	900		1.0 / 0.7	5
50	900		1.0 / 0.7	5

PLASTERERS CRIMPED NETTING



Size Range Available:

Square (mm)	Height (mm)	Diameter (mm)	Length (m)
20	900	1.0	47

SQUARE WELDED MESH



This versatile product is suitable for use with boundary fences, garden landscaping, tree protection and pet enclosures.

Size Range Available:

Square (mm)	Height (mm)	Gauge (g)	Diameter (mm)	Length (m)
Galvanised				
13	900	18	1.25	30
13	900	20	0.9	5
19	900	18	1.25	30
19	900	20	0.9	5
25	900	18	1.25	30
25	900	20	0.9	5
Green PVC				
13	900	22 / 19	1.00 / 0.70	5
19	900	22 / 19	1.00 / 0.70	5
25	900	20 / 18	1.25 / 0.90	5

FARM MESH



Farm mesh is manufactured from 4.00 mm heavy galvanised wire designed to resist stock pressure. It is often used for tree surrounds, stock-yards and around the house boundary.

Size Range Available:

Height (mm)	Line Wire Spacing (mm)	Stay Width (mm)	Length (m)
840	75	150	15
1220	75	150	15

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SMALL ANIMAL CAGE/TRAP

Small Animal Cage/Trap

SMALL ANIMAL CAGE/TRAP

Escape proof, humane, easy to use and keep clean. Made from 4.00mm electrogalvanised wire for corrosion protection.

Size: 700mm x 300mm





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PANEL FENCING

TRIANGLE FOLDED TOP & BOTTOM POOL PANEL



Available in galvanised or powder coated finish. Complies to The Fencing of Swimming Pools Act.

Galvanised
Pool Fencing panels, posts and all fittings are manufactured using high quality materials and finished with a hot dip galvanised coating to provide users with excellent prolonged life characteristics.

Powder coated (over galvanised coating)
All Pool Fence components can be powder coated and are available in either Hawthorn Green or Black Satin. IMPORTANT: In coastal environments double powder coating is recommended to maintain a long term quality coating appearance. (Additional charge).

Fittings:

Nuts, clips and bolts supplied with panels and posts.

Size Range Available:

Description	Height (mm)	Length (mm)	Diameter (mm)
Panels	1250	2400	
Panels	1250	1800	
Posts - no base	2000		50mm square
Posts - with base	1380		50mm square
Gate Pack (includes, posts, self closing hinges & lockable latch). 930mm opening between posts			

WARNING The Fencing of Swimming Pools Act 1987 requires owners to fence the pool and its immediate area according to the specifications in the law. Please consult your local authority regarding compliance. You are required by this law to register your pool with your Local Authority. New pools must not be filled until approval has been granted by your Local Authority.

Panel Fencing

TUBE TOP POOL PANEL



Available in galvanised or powder coated finish. Complies to The Fencing of Swimming Pools Act.

Galvanised
Pool Fencing panels, posts and all fittings are manufactured using high quality materials and finished with a hot dip galvanised coating to provide users with excellent prolonged life characteristics.

Powder coated (over galvanised coating)
All Pool Fence components can be powder coated and are available in either Hawthorn Green or Black Satin. IMPORTANT: In coastal environments double powder coating is recommended to maintain a long term quality coating appearance. (Additional charge).

Fittings:

Nuts, clips and bolts supplied with panels and posts.

Size Range Available:

Description	Height (mm)	Length (mm)	Diameter (mm)
Panels	1250	2400	
Posts - no base	2000		50mm square
Posts - with base	1380		50mm square
Gate Pack (includes, posts, self closing hinges & lockable latch). 930mm opening between posts			

WARNING The Fencing of Swimming Pools Act 1987 requires owners to fence the pool and its immediate area according to the specifications in the law. Please consult your local authority regarding compliance. You are required by this law to register your pool with your Local Authority. New pools must not be filled until approval has been granted by your Local Authority.

ROLL TOP POOL PANEL



Safety with Style. Cyclone's architecturally appealing roll top is a unique Cyclone design.
Available in galvanised or powder coated finish. Complies to The Fencing of Swimming Pools Act.

Galvanised
Cyclone Pool Fencing panels, posts and all fittings are manufactured using high quality materials and finished with a hot dip galvanised coating to provide users with excellent prolonged life characteristics.

Powder coated (over galvanised coating)
All Cyclone Pool Fence components can be powder coated and are available in either Hawthorn Green or Black Satin. IMPORTANT: In coastal environments double powder coating is recommended to maintain a long term quality coating appearance. (Additional charge).

Fittings:

Nuts, clips and bolts supplied with panels and posts.

Size Range Available:

Description	Length (mm)	Length (mm)	Diameter (mm)
Panels	1250	1800 / 2400	
Posts - no base	2000		50mm square
Posts - with base	1380		50mm square
Gate Pack (includes, posts, self closing hinges & lockable latch). 930mm opening between posts			

WARNING The Fencing of Swimming Pools Act 1987 requires owners to fence the pool and its immediate area according to the specifications in the law. Please consult your local authority regarding compliance. You are required by this law to register your pool with your Local Authority. New pools must not be filled until approval has been granted by your Local Authority.

Panel Fencing

TRIANGLE FOLDED TOP & BOTTOM POOL PANEL



Galvanised or powder coated finish.

Galvanised
Pre-School Fencing panels, poles and all fittings are manufactured using high quality materials and finished with a hot dip galvanised coating to provide users with excellent prolonged life characteristics.

Powder coated (over galvanised coating)
All Fence components can be powder coated and are available in either Hawthorn Green or Black Satin. IMPORTANT: In coastal environments double powder coating is recommended to maintain a long term quality coating appearance. (Additional charge).

Fittings:

Nuts, clips and bolts supplied with panels and posts.

Size Range Available:

Description	Height (mm)	Length (mm)	Diameter (mm)
Panels	1500	2400	
Posts - no base	2200		65mm square
Posts - with base	1600		65mm square
Gate Pack (includes, posts, self closing hinges & lockable latch).			

TRIANGLE FOLDED TOP & BOTTOM RESIDENTIAL PANEL



Galvanised or powder coated finish.

Galvanised
Residential Fencing panels, poles and all fittings are manufactured using high quality materials and finished with a hot dip galvanised coating to provide users with excellent prolonged life characteristics.

Powder coated (over galvanised coating)
All Fence components can be powder coated and are available in either Hawthorn Green or Black Satin. IMPORTANT: In coastal environments double powder coating is recommended to maintain a long term quality coating appearance. (Additional charge).

Fittings:

Nuts, clips and bolts supplied with panels and posts.

Size Range Available:

Description	Height (mm)	Length (mm)	Diameter (mm)
Panels	900	2400	
Posts - no base	2170		50mm square
Posts - with base	1450		50mm square
Gate Pack (includes posts, d latch & 16mm gudgeons). 930mm opening between posts			

Panel Fencing

ROLL TOP RESIDENTIAL PANEL



Safety with Style. Cyclone's architecturally appealing roll top us a unique Cyclone design. Available in galvanised or powder coated finish.

Galvanised
Residential Fencing panels, poles and all fittings are manufactured using high quality materials and finished with a hot dip galvanised coating to provide users with excellent prolonged life characteristics.

Powder coated (over galvanised coating)
All Fence components can be powder coated and are available in either Hawthorn Green or Black Satin. IMPORTANT: In coastal environments double powder coating is recommended to maintain a long term quality coating appearance. (Additional charge).

Fittings:

Nuts, clips and bolts supplied with panels and posts.

Size Range Available:

Description	Height (mm)	Length (mm)	Diameter (mm)
Panels	900	2400	
Posts - no base	1600		50mm square
Posts - with base	1100		50mm square
Gate Pack (includes posts, d latch & 16mm gudgeons). 930mm opening between posts			

TRIANGLE FOLDED TOP & BOTTOM MOTORWAY PANEL



Galvanised or powder coated finish.

Galvanised
Motorway Fencing panels, poles and all fittings are manufactured using high quality materials and finished with a hot dip galvanised coating to provide users with excellent prolonged life characteristics.

Powder coated (over galvanised coating)
All Fence components can be powder coated and are available in either Hawthorn Green or Black Satin. IMPORTANT: In coastal environments double powder coating is recommended to maintain a long term quality coating appearance. (Additional charge).

Fittings:

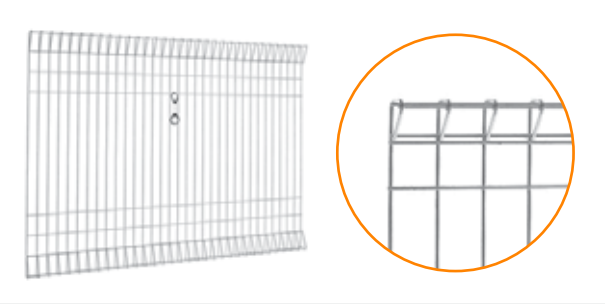
Nuts, clips and bolts supplied with panels and posts.

Size Range Available:

Description	Height (mm)	Length (mm)	Diameter (mm)
Panels	1200	2400	
Posts - no base	2000		50mm square
Posts - with base	1300		50mm square
Gate Pack (includes posts, d latch & 16mm gudgeons). 930mm opening between posts			

Panel Fencing

TRIANGLE FOLDED TOP & BOTTOM SECURITY PANEL



Galvanised or powder coated finish.

Galvanised
Security Fencing panels, poles and all fittings are manufactured using high quality materials and finished with a hot dip galvanised coating to provide users with excellent prolonged life characteristics.

Powder coated (over galvanised coating)
All Fence components can be powder coated and are available in either Hawthorn Green or Black Satin. IMPORTANT: In coastal environments double powder coating is recommended to maintain a long term quality coating appearance. (Additional charge).

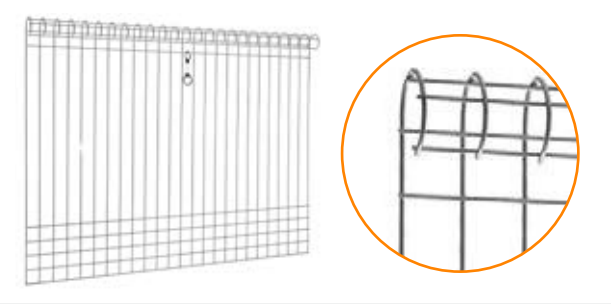
Fittings:

Nuts, clips and bolts supplied with panels and posts.

Size Range Available:

Description	Height (mm)	Length (mm)	Diameter (mm)
Panels	1800	2400	
Posts - no base	2665		65mm square
Posts - with base	1900		65mm square
Gate Pack (includes posts, d latch & 16mm gudgeons). 930mm opening between posts			

ROLL TOP SECURITY PANEL



Safety with Style. Cyclone's architecturally appealing roll top is a unique Cyclone design. Available in galvanised or powder coated finish.

Galvanised
Security Fencing panels, poles and all fittings are manufactured using high quality materials and finished with a hot dip galvanised coating to provide users with excellent prolonged life characteristics. Powder coated (over galvanised coating).

Powder coated (over galvanised coating)
All Fence components can be powder coated and are available in either Hawthorn Green or Black Satin.
IMPORTANT: In coastal environments double powder coating is recommended to maintain a long term quality coating appearance. (Additional charge).

Fittings:

Nuts, clips and bolts supplied with panels and posts.

Size Range Available:

Description	Height (mm)	Length (mm)	Diameter (mm)
Panels	1800	2400	
Posts - no base	2650		65mm square
Posts - with base	1900		65mm square
Gate Pack (includes posts, d latch & 16mm gudgeons). 930mm opening between posts			

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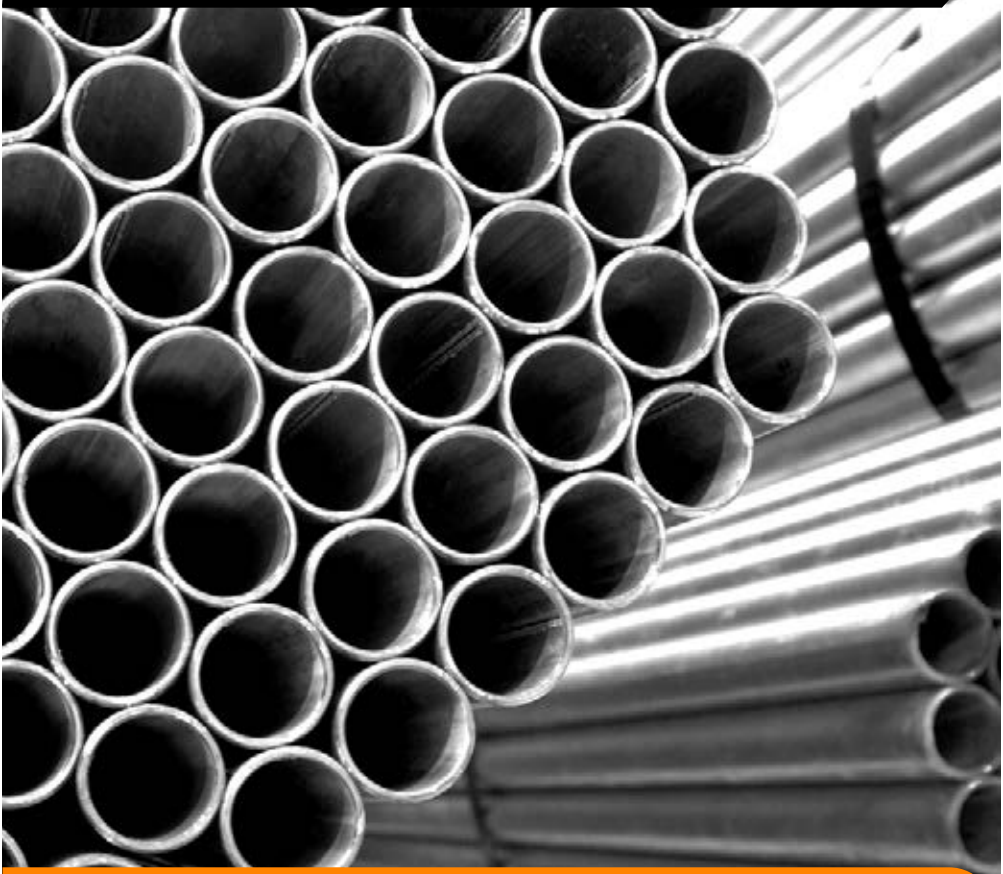
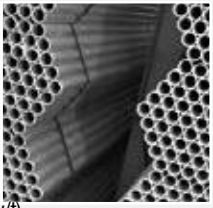


PIPE

GENERAL PURPOSE PIPE



Product Shortname: **GPIP - Galvanised Pipe**
BPIP - Primed Pipe/Black Pipe

Specifications:

NZ AS 1074-1989

Australia AS 1074-1989
AS 1163-2009 Grade C250 (MD and HV w/t)
AS 1163-2009 Grade C350 (SL and LT w/t)

Size Designation: Nominal Bore (mm) x Wall Thickness (mm) x End (PE or SS) x Length (m)

Supplied Condition:

SL super light — MD medium — PE plain end
LT light — HV heavy — SS screwed & socketed

SUPER LIGHT

Nominal Bore (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Mass per Metre (kg/m)		Availability	
			Black	Galv.	Black	Galv.
15	21.3	N/A				
20	26.9	2.0	1.22	1.28		
25	33.7	2.0	1.56	1.62	✓	✓
32	42.4	2.0	1.99	2.07		
40	48.3	2.3	2.61	2.70		
50	60.3	2.3	3.29	3.40		
65	76.1	2.3	4.19	4.33		
80	88.9	2.6	5.53	5.70		
100	114.3	3.2	8.77	8.98		
125	139.7	3.0	10.10	11.80		
150	165.1	3.0	12.00	12.30	✓	

LIGHT

Nominal Bore (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Mass per Metre (kg/m)		Availability	
			Black	Galv.	Black	Galv.
15	21.3	2.0	0.95	1.00		
20	26.9	2.3	1.39	1.44		✓
25	33.7	2.6	1.99	2.05	✓	✓
32	42.4	2.6	2.54	2.63	✓	✓
40	48.3	2.9	3.24	3.33		✓
50	60.3	2.9	4.09	4.21		✓
65	76.1	3.2	5.74	5.89		
80	88.9	3.2	6.75	6.92		
100	114.3	3.6	9.81	10.00		
125	139.7	3.5	11.80	12.00		
150	165.1	3.5	13.90	14.30		

MEDIUM

Nominal Bore (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Mass per Metre (kg/m)		Availability	
			Black	Galv.	Black	Galv.
15	21.2	2.6	1.21	1.25	✓	✓
20	26.9	2.6	1.55	1.60	✓	✓
25	33.7	3.2	2.40	2.46	✓	✓
32	42.4	3.2	3.08	3.17	✓	✓
40	48.3	3.2	3.55	3.64	✓	✓
50	60.3	3.6	5.02	5.14	✓	✓
65	76.1	3.6	6.42	6.57	✓	✓
80	88.9	4.0	8.36	8.54	✓	✓
100	114.3	4.5	12.10	12.40	✓	✓
125	139.7	5.0	16.60	16.90	✓	✓
150	165.1	5.0	19.70	20.00	✓	✓

HEAVY

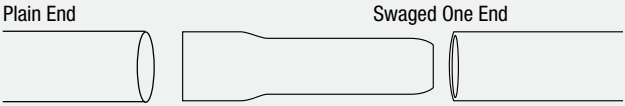
Nominal Bore (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Mass per Metre (kg/m)		Availability	
			Black	Galv.	Black	Galv.
15	21.2	3.2	1.44	1.48		
20	26.9	3.2	1.86	1.92		
25	33.7	4.0	2.92	2.99	✓	
32	42.4	4.0	3.78	3.86	✓	
40	48.3	4.0	4.36	4.45	✓	
50	60.3	4.5	6.18	6.30	✓	✓
65	76.1	4.5	7.93	8.08	✓	
80	88.9	5.0	10.35	10.50	✓	
100	114.3	5.4	14.40	14.70	✓	
125	139.7	5.4	17.90	18.10	✓	
150	165.1	5.4	21.30	21.60	✓	

Standard stocked length is 6.5m. Other sizes and lengths are available on indent. Standard stocked galvanised pipe is hot dip galvanised. In-line galvanised pipe available on indent. ✓ In stock - all others available on indent

Pipe

HIGH STRENGTH/LIGHT WALL PIPE

Product Shortname: **GPIP**



Specifications: NZ/Australia AS1163-2009 - Grade C350

Size Designation: Nominal Bore (mm) x Wall Thickness (mm) x End (PE or SWG) x Length (m)

Size Range Available:

Nominal Bore	Mass per Metre (kg/m)	Plain end	Swaged one end
20 x 2.3	1.44	✓	
25 x 2.0	1.64	✓	
25 x 2.6	2.05	✓	✓
32 x 2.6	2.63	✓	✓
40 x 2.9	3.33	✓	✓
50 x 2.9	4.21	✓	✓

Standard stocked length is 6.5m. Other sizes of plain end and swaged both end are available on indent.

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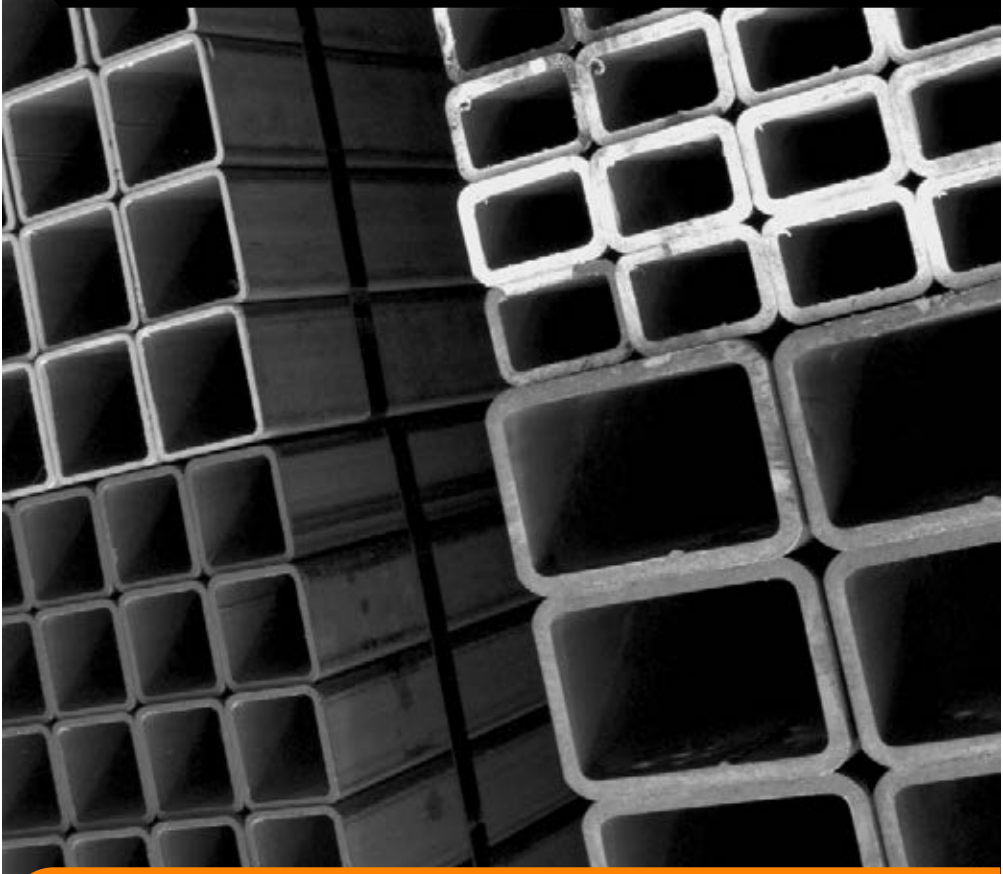
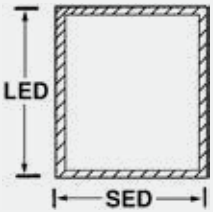


HOLLOW SECTIONS

Hollow Sections

SUPAGAL RHS



Product Shortname: **GRHS**

A uniform coating of zinc, with a minimum mass of 100g/m2 on BOTH the outside and the inside gives protection for many applications.

Specifications:

AS 1163-2009 Grade C350L0
AS/NZS 4792 Galvanised coatings on ferrous hollow sections

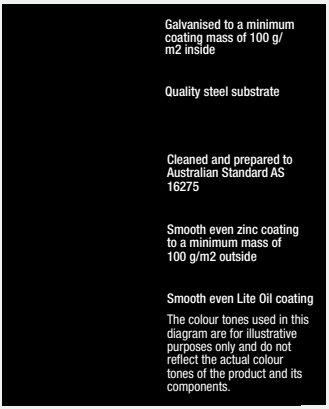
Size Range Available:

Rectangle Size	Mass (kg/m)
50 x 25 x 1.6	1.75
50 x 25 x 2.0	2.15
50 x 25 x 2.5	2.62
50 x 25 x 3.0	3.07
65 x 35 x 2.0	2.93
65 x 35 x 2.5	3.60
65 x 35 x 3.0	4.25
75 x 25 x 1.6	2.38
75 x 25 x 2.0	2.93
75 x 25 x 2.5	3.60
75 x 50 x 2.0	3.72
75 x 50 x 2.5	4.58
75 x 50 x 3.0	5.42
75 x 50 x 4.0	6.92
75 x 50 x 5.0	8.35
100 x 50 x 2.0	4.50
100 x 50 x 2.5	5.56
100 x 50 x 3.0	6.60
100 x 50 x 3.5	7.53
100 x 50 x 4.0	8.49
100 x 50 x 5.0	10.3
102 x 76 x 3.5	9.06
125 x 75 x 3.0	8.96
125 x 75 x 4.0	11.6

Available on indent

Square Size	Mass (kg/m)
125 x 75 x 5.0	14.2
150 x 50 x 3.0	8.96
150 x 50 x 4.0	11.6
150 x 50 x 5.0	14.2
20 x 20 x 1.6	0.87
20 x 20 x 2.0	1.05
25 x 25 x 1.6	1.12
25 x 25 x 2.0	1.36
25 x 25 x 2.5	1.64
25 x 25 x 3.0	1.89
30 x 30 x 1.6	1.38
30 x 30 x 2.0	1.68
30 x 30 x 2.5	2.03
30 x 30 x 3.0	2.36
35 x 35 x 1.6	1.63
35 x 35 x 2.0	1.99
35 x 35 x 2.5	2.42
35 x 35 x 3.0	2.83
40 x 40 x 1.6	1.88
40 x 40 x 2.0	2.31
40 x 40 x 2.5	2.82
40 x 40 x 3.0	3.30
40 x 40 x 4.0	4.09

Square Size	Mass (kg/m)
50 x 50 x 1.6	2.38
50 x 50 x 2.0	2.93
50 x 50 x 2.5	3.60
50 x 50 x 3.0	4.25
50 x 50 x 4.0	5.35
50 x 50 x 5.0	6.39
65 x 65 x 1.6	3.13
65 x 65 x 2.0	3.88
65 x 65 x 2.5	4.78
65 x 65 x 3.0	5.66
65 x 65 x 5.0	8.75
75 x 75 x 2.0	4.50
75 x 75 x 2.5	5.56
75 x 75 x 3.0	6.60
75 x 75 x 3.5	7.53
75 x 75 x 4.0	8.49
75 x 75 x 5.0	10.3
89 x 89 x 2.0	5.38
89 x 89 x 3.5	9.07
89 x 89 x 5.0	12.5
100 x 100 x 3.0	8.96
100 x 100 x 4.0	11.6
100 x 100 x 5.0	14.2



Standard length available is 8.0m. Other lengths are available on indent.

Welding Information:

No special treatment is required prior to welding. SupaGal's carbon equivalent of not greater than 0.39 allows it to be welded without preheat.

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PIPE FITTINGS

Pipe Fittings

BUTT WELD FITTINGS

Specifications:

Butt weld fittings to ANSI B16.9
ASTM/ASME234 AISA Grade WPB 2003

Cap BCAP	180° Bend BBEN	Tee BTEE
		
90° Long Radius Elbow BLRE	**45° Elbow BLRE**	**90° Short Radius Elbow BSRE**
		
Reducing Tee BTEE	**Concentric Reducer BCR**	**Ecentric Reducer BER**
		

For more detailed information please contract your nearest Easysteel branch.

Pipe Fittings

FENCE FITTINGS

Tee Clamp	Crosses	Adjustable Corners
		
Flanges Oval	**Flanges Square**	**Pipe Sleeve**
		
Zinc Post Cap Round	**Zinc Post Cap Square**	**Post Cap Square & Round Zinc Plated the Powder Coated**
		

Pipe Fittings

MASTERKLAMP ø outside pipe (mm). Product Shortname: CLIP

1.02 ø	1.04 ø	1.05 ø	1.07 ø
 26.9 33.7 42.4 48.3 60.3 Short Tee	 26.9 33.7 42.4 48.3 60.3 Long Tee	 33.7 42.4 48.3 Internal Swivel Tee 360°	 33.7 42.4 48.3 Adjustable Tee 30° – 60°
1.08 ø	**2.01 ø**	**2.02 ø**	**2.03 ø**
 33.7 42.4 48.3 Clamp-on Tee	 26.9 33.7 42.4 48.3 60.3 Two Socket Cross	 26.9 33.7 42.4 48.3 60.3 Three Way Mid Corner	 26.9 33.7 42.4 48.3 60.3 Three Way Top Corner
2.04 ø	**2.05 ø**	**2.06 ø**	**2.07 ø**
 33.7 42.4 48.3 Two Socket Cross 30° - 45°	 26.9 33.7 42.4 48.3 60.3 Side Outlet Cross	 26.9 33.7 42.4 48.3 Four Socket Cross	 42.4 48.3 Combi Socket, Tee & Cross
2.08 ø	**2.09 ø**	**2.10 ø**	**3.01 ø**
 26.9 33.7 42.4 48.3 60.3 Crossover 90°	 33.7 42.4 48.3 Clamp-on Crossover 90°	 26.9 33.7 42.4 48.3 Adjustable Swivel Cross (set)	 26.9 33.7 42.4 48.3 60.3 Elbow 90°
3.03 ø	**4.01 ø**	**4.02 ø**	**4.03 ø**
 33.7 42.4 48.3 Variable Elbow 30° – 60°	 26.9 33.7 42.4 48.3 60 Base Flange	 26.9 33.7 42.4 48.3 60.3 Railing Base Flange	 33.7 42.4 48.3 Horizontal Base Railing Support
4.04 ø	**4.06 ø**	**4.10 ø**	**4.11 ø**
 33.7 42.4 48.3 Vertical Base Railing Support	 26.9 33.7 42.4 48.3 Handrail Support	 21.3 26.9 33.7 42.4 48.3 60.3 Uni	 26.9 33.7 42.4 48.3 60 Swivel Basel

MASTERKLAMP ø outside pipe (mm). Product Shortname: CLIP

4.13 ø	4.20 ø	4.21
 33.7 42.4 48.3 Side Palm	 34 42 48.3 Single Sided Collar Plate	 48.3 Double Sided Collar Plate

5.01 ø	5.02 ø	5.03 ø	5.09
 26.9 33.7 42.4 48.3 Male Single Swivel	 33.7 42.4 48.3 Male Double Swivel	 33.7 42.4 48.3 Male Corner Swivel	 26.9 33.7 42.4 48.3 60 Female Single Swivel

5.11 ø	5.12 ø	5.13 ø	6.01
 26.9 33.7 42.4 48.3 Single Swivel Combination	 33.7 42.4 48.3 Double Swivel Combination	 33.7 42.4 48.3 Corner Swivel Combination	 26.9 33.7 42.4 48.3 60.3 Straight Coupling

6.03 ø	6.06 ø	6.08 ø	6.09
 42.4 48.3	 33.7 42.4 48.3	 33.7 42.4 48.3	 33.7 42.4 48.3

Pipe information	O.D.	N.B.	N.B.
	21.3mm	15mm	1/2”
	26.9mm	20mm	3/4”
	33.7mm	25mm	1”
	42.4mm	32mm	1¼”
	48.3mm	40mm	1½”
	60.3mm	50mm	2”

About Pipes & Sizes:

The actual bore depends on the wall thickness of the pipe. The nominal bore is an arbitrary figure used for descriptive purposes. MASTERKLAMP is manufactured to suit schedule 40 steel pipe or similar.

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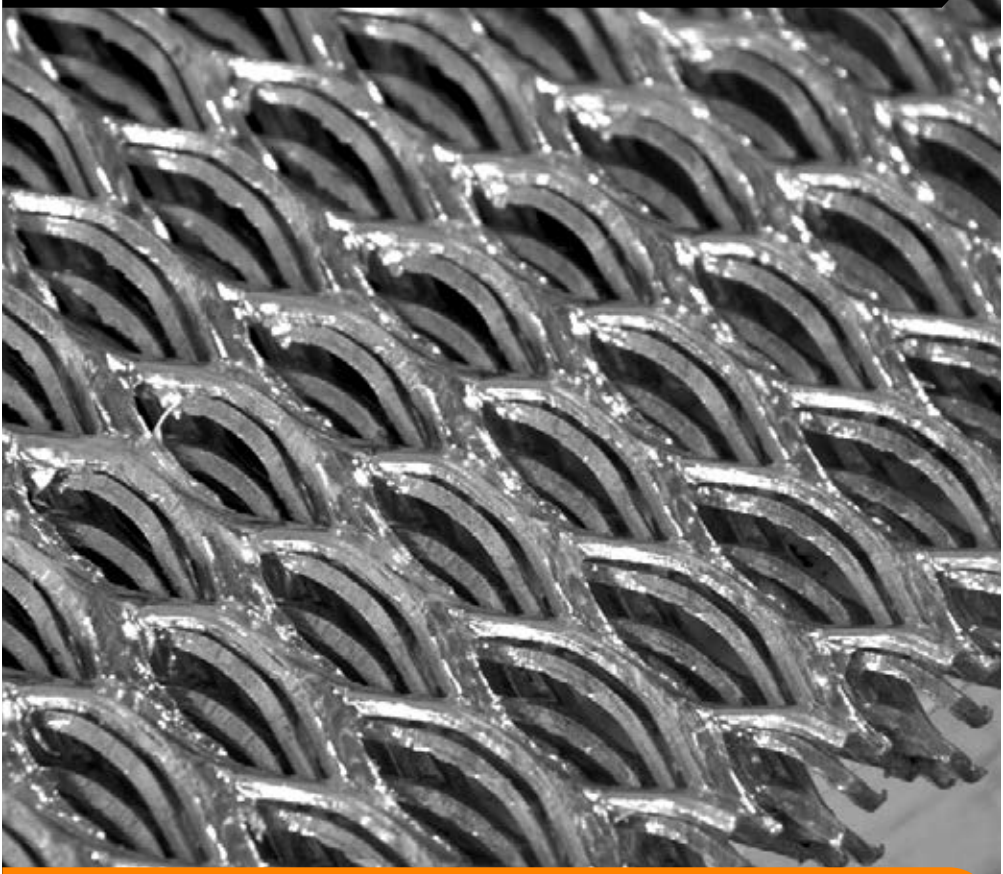
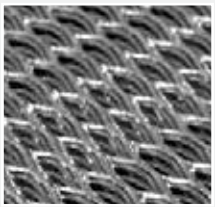


MANUFACTURED PRODUCTS

GRID MESH



Product Shortname: **GRID**

Gridmesh:

Gridmesh is a single sheet of steel that has been slit and expanded into a network of uniformed shaped openings. As a result Gridmesh has a distinctive pattern that is both decorative and strong. It is tough and durable with a high strength to weight ratio.

The GR series are relatively open meshes for general purpose jobs whilst the GM series have smaller mesh apertures for heavy duty jobs.

The steel used in all cases is low carbon steel 3.2mm or 5mm thick. It is available black or galvanised and can be readily welded.

Applications:

Walkways, ramps, stairtreads, work platforms, vehicle ramps, gratings and floorings.

On the farm it can be used for stock crates, sheep races and woolshed floorings. For piggeries, it can be supplied in a flattened form for farrowing and weaner applications, along with the standard Gridmesh for fully grown animals.

It can be attractive as well as functional when used for security and decorative grills, sunscreens and dividers.

Important:

When ordering GRIDMESH, note that the LWM long way of mesh is at right angles to the length of the sheet.

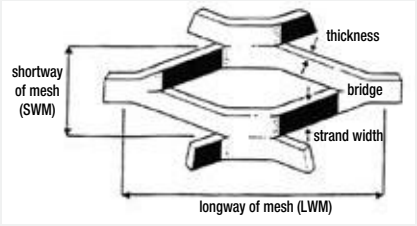
e.g. sheet size 3000 x 1200 LWM runs across the 1200 dimension.

Also note that when used on a ramp or a walkway, the mesh must span the gap in the LWM direction. Only when laid in this way, will the mesh have maximum rigidity. It should also be fastened every 4th mesh or approximately 150mm centres, and have at least 25mm overlap onto the supports.

Most sizes are also available in hot dipped galvanized.

Manufactured Products

GRID MESH



Sizes Available:

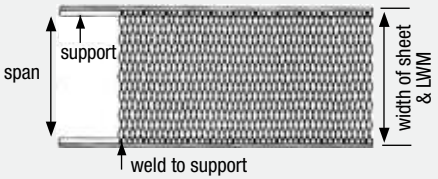
Mesh Type	Unit S W M mm	Size L W M mm	Strand Width mm	Sheet Thickness mm	Mass (±10%) kg/m^2	Sheet Sizes (nominal) mm
GR300/WK4514	42	135	8.00	5.00	14.60	3000 x 600, 900, 1200
GR400/WK4519	45	135	11.00	5.00	19.50	2300 x 600, 900, 1200
GM450	25	75	7.50	5.00	22.00	2000 x 600, 900, 1200
AGRIMESH/FCAT	25	75	7.00	3.20	11.20	2400 x 1200
GM575/WK3028	30	75	10.50	5.00	28.10	3200 x 600, 900, 1200
WALKWAY	25	75	7.00	3.20	11.20	2400 x 1200, 600

Quick Selection Tables for Walkways:

Load	Nominal Span of Mesh - Simply Supported	
	600mm	900mm
Distributed - 2.5kPa	GR300, GM450	GR400, GM575
Distributed - 5.0kPa	GR300, GM450	-
Concentrated - 1.1kN @ 1.2mCtrs.	GR300, GM450	GR400,* GM575*

*These meshes, whilst safe for the spans shown maybe springy underfoot.

Typical Fixing Method



For more detailed information regarding Gridmesh contact your local Easysteel branch.

EXPANDED METALS

Product Shortname: XPM

General Information: Very similar to Gridmesh, expanded metals are also a single sheet of steel slit and expanded into a network of uniformed shaped opening.

Applications:

Use opening sizes, typical applications are:

7 x 4	fireguards, display stands, anti-slip tread, hobbies
10 x 5	sump stone-guards, sculpture, anti-slip tread, paper making
15 x 5	frying baskets, anti-slip tread, tree/garden guards, rubbish bins
25 x 8	frying baskets, anti-slip tread, finger proof guards, stone guards
27 x 9	vermin control, display stands, machine guards, panels, grilles
35 x 14	grilles, cable trays, bird proofing, furniture, filter retaining, sign backgrounds
43 x 18	retaining bins, cages, shelving, agriculture, security, protection
67 x 30	security, panelling, rubbish bins, nursery/garden tables, pallets, infill panels
175 x 70	security, fencing, cages, infill panels, trellis work

When ordering, state the following information:

- mesh reference
- quantity of sheets
- sheet size
- finish required (black or galvanised)

Most meshes can also be supplied flattened. Therefore, please also state:

- Raised or Flattened

Raised Meshes - raised expanded metal is as it comes off the cutting and expanding machine. It has its strands at an angle to the plane of the sheet, adding strength and rigidity.

Flattened Meshes - flattened expanded metal is actually raised mesh flattened.

Manufactured Products

EXPANDED METALS

Product Shortname: XPM

Sizes Available:

Mesh Reference	Opening mm	Thickness mm	Strand mm	Sheet Size mm	Weight kg/sheet	% Open Area
10 x 6	7 x 4	0.8	1.2	1200 x 2400	7.4	60
12.5 x 6	10 x 5	1.0	1.2	1200 x 2400	9.2	60
20 x 6	15 x 5	1.0	1.7	1200 x 2400	13.0	45
30 x 12	27 x 9	1.0	1.7	1200 x 2400	6.5	71
30 x 12	27 x 9	1.0	2.5	1200 x 1800	7.2	58
30 x 12	27 x 9	1.2	2.2	1200 x 2400	10.1	65
30 x 12	27 x 9	1.6	3.0	1200 x 2400	18.4	67
40 x 18	35 x 14	1.2	2.0	1200 x 2400	6.1	83
40 x 18	35 x 14	1.6	3.0	1200 x 2400	12.3	67
50 x 24	43 x 18	1.6	2.0	1200 x 2400	6.1	83
50 x 24	43 x 18	1.6	3.0	1200 x 2400	9.2	75
50 x 24	43 x 18	2.0	3.0	1200 x 2400	11.5	75
50 x 24	43 x 18	3.0	3.5	1200 x 2400	22.0	71
75 x 36	67 x 30	2.0	3.0	1200 x 2400	7.7	83
75 x 36	67 x 30	3.0	4.0	1200 x 2400	15.4	78
200 x 75	175 x 70	3.0	7.5	1200 x 2400	15.0	80
19 x 7	14 x 5	0.8	1.0	1200 x 1200	1.8	75-80
19 x 7	14 x 4	1.0	1.7	1200 x 2400	3.7	60-73
28 x 9	22 x 7	1.0	1.5	1200 x 2400	2.7	78-89
28 x 9	20 x 6	1.6	1.6	1200 x 2400	4.4	48-56
28 x 9	19 x 5	1.6	2.2	1200 x 2400	6.2	48-56
30 x 12	24 x 10	1.0	1.5	1200 x 2400	1.9	81-87
30 x 12	23 x 9	1.2	2.2	1200 x 2400	3.3	68-78
30 x 12	23 x9	1.6	2.2	1200 x 2400	4.4	67-75
30 x 12	22 x 9	2.0	2.2	1200 x 2400	5.5	64-71
38 x 15	31 x 14	1.0	2.0	1200 x 2400	1.8	68-74
38 x 15	30 x 13	1.6	2.0	1200 x 2400	3.3	68-78
38 x 15	29 x 12	2.0	2.7	1200 x 2400	5.1	68-74
50 x 19	40 x 20	1.6	2.1	1200 x 2400	2.3	81-87
50 x 19	40 x 18	2.0	2.7	1200 x 2400	3.8	77-81
50 x 19	37 x 16	3.0	3.9	1200 x 2400	8.3	67-74
60 x 25	50 x 21	1.6	2.2	1200 x 2400	2.2	82-87
60 x 25	48 x 19	2.0	2.8	1200 x 2400	3.5	73-80
76 x 38	62 x 28	2.0	2.9	1200 x 2400	2.7	81-84
76 x 38	62 x 28	3.0	3.5	1200 x 2400	5.0	76-81
76 x 38	60 x 25	3.0	4.5	1200 x 2400	6.7	75-79

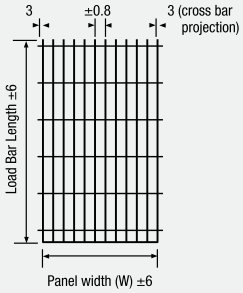
Not all sizes available exstock. Lead times may vary. Non standard sheet sizes available.

GRATING

Product Shortname: **GRATE**

Specifications:

AS3679-250
BS4360-43A
ASTM A36



(All dimensions in mm.)

General Information:

Grating is constructed of various size load bearings with 6mm square twisted cross rods forge welded to the upper edge of the load bars. A strong forge weld is achieved by the simultaneous application of electrical current and hydraulic pressure at the intersection point of each load bar and cross rod. This process produces an open web of steel capable of supporting loads. Because of its 80% open area, grating is easy to clean, allowing for other structures to be directly added to it, and permitting free passage of light and maximum air circulation.

Availability:

Grating is manufactured in numerous combinations of load bar depth and thickness, load bar pith and cross rod pitch.

Plain
Supplied with plain load bearing bars and 6mm twisted cross rods.

Serrated
Available with most standard load bearing bars, the serration's are formed by placing a series of notches along the upper edge of the load bar, thus enhancing the non-slip characteristics of the grating.

Finishes Availabile:

Untreated, black bitumen paint or galvanised.

For more detailed information regarding grating contact your local Easysteel branch.

Manufactured Products

PERFORATED SHEET

General Information:

Perforated sheet is available in the following materials -
Mild Steel
Galvanised
Electrogalvanised
Stainless Steel T304 and T316
Aluminium Alloy

Applications:

Sunscreens, balustrades, security screens, shopfitting and display, furniture, ceiling tiles, filtration, silencers, heating and ventilating, airconditioning grills, electrical components, food processing, agriculture and seed cleaning screens.

Sizes Available:

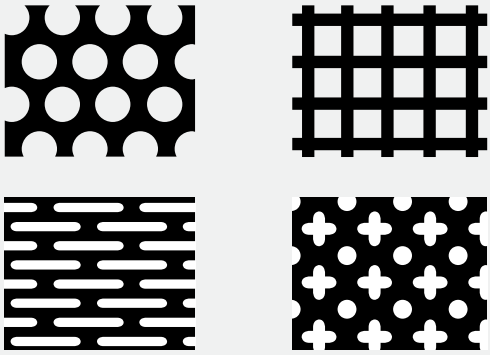
Standard sheet sizes are generally 2400 x 1200 and are available in a variety of thicknesses ranging from 0.5mm to 6.0mm. Sheet thickness largely depends on the type of material and perforation pattern.

Patterns Available:

Round and Square Holes, Slots, Fancy Ornamental.

A large range of standard perforations are available ex our suppliers stock. Non-standard perforations may be manufactured to customer specification.

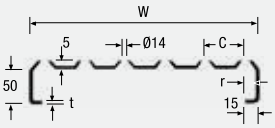
Sample of some available



For further details contact your local Easysteel branch.

PLANK

NON-SLIP WALKWAY AND STAIR SYSTEM





General Information:

Plank has been designed to provide a non-skid surface and easy cleaning to meet stringent hygienic conditions.

Main Attributes:

Rigidity
Maximum strength for minimum weight with fewer supporting members required.
Hygiene
Round raised studded holes prevent dirt traps, flushing away of dirt and offal is made easy.
Safety
Slipping in either direction is eliminated due to the raised holes.

Applications:

Catwalks, stair treads, mezzanine floors, walkways, drain covers, loading platforms, freezing works, dairy and paint factories.

Specifications:

Mild Steel	Hot rolled to AS1204-250 Hot dipped galvanised to AS/NZS 4680-1999
Stainless Steel	Available in Grade 304 and Grade 316
Aluminium	AA 5251
Standard length is 3 metres	NZ REGISTERED DESIGN NO. 15577

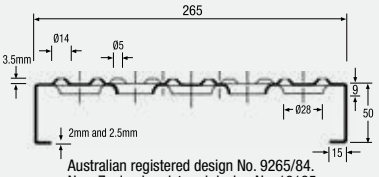
Plank Type		Mass Kg/m	All dimensions in mm			
Industrial	**Size (width x thickness)**		**W**	**C**	**r**	**t**
Mild Steel Hdg	230w x 2.0 thk	5.4	230	56	29	2.0
Stainless Steel	230w x 2.0 thk	5.6	230	56	29	2.0
Aluminium	230w x 3.0 thk	2.7	230	56	28	3.0
Mild Steel Hdg	300w x 2.5 thk	8.1	300	47.5	28.5	2.5
Stainless Steel	300w x 2.0 thk	6.0	300	47.5	29	2.0
Aluminium	300w x 3.0 thk	3.2	300	47.5	28	3.0
Heavy Duty						
Mild Steel Hdg	300w x 3.0 thk	10.2	300	47.5	28	3.0

For further details contact your local Easysteel branch.

Manufactured Products

STUD PLANK

NON-SLIP WALKWAY AND STAIR SYSTEM



Australian registered design No. 9265/84.
New Zealand registered design No. 19135.
(All measurements in mm)



General Information:

Stud plank is available in standard lengths of 3 metres. Non standard lengths can be manufactured to order.
Stud plank stair treads are available in widths of 618mm. 737mm and 916mm.
One stair tread unit consists of:-
2 end brackets; 4 coach bolts (M10 x 20);
4 flat washers; 4 spring washers; 4 nuts.

Main Attributes:

Rigidity
Maximum strength for minimum weight with fewer supporting members required.
Hygiene
Round raised studs and large drain holes prevent dirt traps and allow easy flushing away of dirt and offal.
Safety
Slipping in either direction is eliminated due to the raised holes.
Comfort
Loads are easily distributed creating a live surface to cushion workers' movements thereby reducing muscular strain, conserving energy and increasing productivity.

Applications:

For applications in mining, timber mills, oil storage, fertiliser plants, power stations etc. Where rigidity, ease of maintenance, safety and comfort are required.

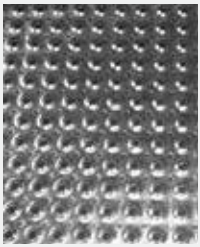
Specifications:

Materials
2.0mm mild steel to AS1204.250 in pre-galvanised to Z275 zinc coating thickness. 2.5mm mild steel to AS1204.250 in natural finish or Hot Dipped Galvanised to AS/NZS 4680-1999.

For further details contact your local Easysteel branch.

SAFE-T-PERF

NON-SLIP SHEETS



General Information:

SAFE-T-PERF's precise configuration, flanged circular perforation ensures a reliable nonslip surface - non-slip in all directions - even when wet and greasy. Safe-T-Perf gives confidence, minimises risk, ensures a dependable 'grip' and promotes safety. Can be made to customer requirements.

Main Attributes:

Rigidity
Maximum strength for minimum weight with fewer supporting members required.
Hygiene
Round raised studded holes prevent dirt traps, flushing away of dirt and offal is made easy.
Safety
Slipping in either direction is eliminated due to the raised holes.

Applications:

The reliable, effective non-slip product for floors, platforms, ramps, cat-walks, stairways, vehicle steps, scaffolding and livestock transport floors. Wherever safe walking is vital.

Specifications:

Mild Steel	Hot rolled to AS1204-250 Hot Dipped Galvanised to AS/NZS 4680-1999
Stainless Steel	Available in Grade 304 and Grade 316
Aluminium	AA 5251

Standard length is 3 metres.

For further details contact your local Easysteel branch.

Manufactured Products

HANDRAIL SYSTEM

Specifications: AS1657 - 1985

General Information: The galvanised tubular handrail system is a pre-engineered system which can be transported and erected quickly and economically with a minimum of on-site work. The complete system comprises stanchions, rails, bends, kick plate and fixing bolts. Variations to standard stanchions can be custom built to your requirements.

Finishes Available: Untreated steel, stainless steel or powder coated finishes are available on request. Standard product is hot dipped galvanised to AS 1650-1989, ensuring that after installation, the monowills handrail system is maintenance-free.

Applications: It has been designed to suit New Zealand conditions and specifications and can be used anywhere railing is required on stairways, ramps, platforms, fire escapes, bridges, boats, factories, marina and farms.







For further details contact your local Easysteel branch.

easysteel™

A FLETCHER BUILDING COMPANY



WELDING PRODUCTS

Welding Products

MILD STEEL ELECTRODES

Product Shortname: GP

PH28

- AS/NZS4855B:2007 E4313A
- AWS A5.1:2004 E6013

A universal electrode which has medium-heavy rutile coating, which yields a fairly rapid solidifying slag. It is very easy to apply in the vertical up and overhead positions, where a short arc length is beneficial. The weld appearance is very good for all positions. PH 28 has excellent X-Ray properties.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	70-100	2.5	5	159
3.2	85-135	5.0	3	164
4.0	130-170	5.0	3	104
5.0	190-230	5.0	3	53

PH48A

- AS/NZS4855B:2007 E4313A
- AWS A5.1:2004 E6013

This is a conventional type of electrode which welds in all positions. It is good for low open circuit voltage machines and has easy starting and restarting properties. In addition it exhibits very quiet running with reasonably smooth deposits. A very useful electrode for welding galvanised steel.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	70-100	2.5	5	158
3.2	90-135	5.0	3	158
4.0	130-180	5.0	3	105

PH68

- AS/NZS4855B:2007 E4313A
- AWS A5.1:2004 E6013

This medium-heavy coated rutile electrode produces a rapid freezing slag. Its large droplet type of arc makes it ideal for poor fitting work or where large gaps have to be bridged. It is perfect for site work because with one current setting welds can be done in all positions. Excellent for galvanised steel.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	60-95	2.5	5	172
3.2	70-125	5.0	3	163
4.0	130-170	5.0	3	109
5.0	170-240	5.0	3	72

PH7024

- AS/NZS4855B:2007 E4924A
- AWS A5.1:2004 E7024

The PH 7024 is a heavy coated rutile contact type electrode developed for high speed welding of mild steel in flat and horizontal positions using AC or DC straight polarity. The iron powder content in the flux coating gives high efficiency combined with excellent mechanical properties.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	90-140	2.5	5	97
3.2	130-160	5.0	3	91
4.0	180-210	5.0	3	54
5.0	260-320	5.0	3	32

For a full listing of welding products, machines and consumables please visit www.easysteel.co.nz

LOW HYDROGEN ELECTRODES

Product Shortname: LOHY

PH56S

- AWS A5.1:2004 E4916AU H5
- AS/NZS4855B:2007 E7016-H8

An all-positional low hydrogen electrode which deposits very pure weld metal with exceptional mechanical and X-ray properties. For use on mild, unalloyed micro alloyed and low alloy steels, also for steels to LT 40 spec. Used with a short arc and reasonably slow travel speeds. Can be used with DC- for root passes if preferred.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	60-100	2.2	5	131
3.2	85-140	5.0	3	151
4.0	100-180	5.0	3	99

PH16TC

- AWS A5.1:2004 E4916AU H10
- AS/NZS4855B:2007 E7016 H8

PH16TC is a smooth running, easy to use, all position twin coated, low hydrogen electrode, for mild and low alloy steel applications. Provides high quality notch tough weld metal. Easy re-strike. Can be operated on low OCV AC machines.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	60-90	2.5	5	147
3.2	90-135	5.0	3	148
4.0	140-190	5.0	3	90

PH77

- AWS A5.1:2004 E4918-1AU H5
- AS/NZS4855B:2007 E7018-1 H8

An iron powder low hydrogen electrode for welding steel, low alloy, high tensile steels and for steels to LT 40 spec in all positions. The metal recovery being approx 115% and the deposited welds are first class for X-ray. PH77 is welded with a short arc and due to its higher current characteristics welding is much faster than normal.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	60-105	2.2	5	107
3.2	90-145	5.0	3	126
4.0	140-200	5.0	3	87
5.0	180-300	5.0	3	48

PHC6H

- AWS A5.1:2004 E4928AU H5
- AS/NZS4855B:2007 E7028 H4

This is a 195% efficiency iron powder low hydrogen type electrode for clean smooth welds in the downhand position on heavy plate and joints in restraint. It has excellent mechanical and X-ray properties and is very suited for welds in narrow Vee joints. The zircon basic coating leaves a very readily removable slag.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
4.0	200-230	5.0	3	42
5.0	260-340	5.0	3	28

PH118

- AWS A5.5:2006 E7618-GA H5
- AS/NZS4857B:2007 E11018-G H4

Type PH118 is designed for welding low alloy high strength steels with tensiles up to 120,000 psi, ie: Bisalloy 80, Sumiten 80S, T1, and 4140. In addition 118 is ideal for many repair welds on high strength steels, ie: forklift prongs, axles shafts etc. ABS Approved. These electrodes must be kept dry.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
3.2	90-140	5.0	3	122
4.0	110-180	5.0	3	86

Welding Products

HARD FACING ELECTRODES
Product Shortname: PHFA

PH400
- AS/NZS2576 E Fe2
- AWS A5.13: 1435-A4

Tough chromium-manganese alloy used for worn rails, shafts, grouser plates, shovel pads, track links, idler wheels, dragline pins etc. Typical undiluted hardness 38Rc.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
3.2	95-145	5.0	5	127
4.0	125-200	5.0	3	68

PH600
- AS/NZS2576 E Fe3
- AWS A5.13: 1855-A4

Versatile, low cost hard facing deposit for straight carbon, low alloy or manganese steel. The self hardening deposit has high abrasion resistance. Deposit is malleable and forgeable when hot. Typical undiluted hardness 59Rc.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
3.2	95-145	5.0	3	133
4.0	125-180	5.0	3	67
5.0	190-280	5.0	3	45

PH700
- AS/NZS2576 2360-A4

PH 700 is a high carbon-chrome type for impact and severe abrasion and has good resistance to scaling and corrosion in high temperatures. It can be deposited directly on to mild steel, low alloy steel or austenitic manganese steel. However, when the base metal is hardenable or high alloy, a buffer layer of PH 56S, PH 77 or the stainless alloy Elite RSP may be necessary. Typical undiluted hardness 62Rc.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
3.2	110-130	5.0	3	86
4.0	130-180	5.0	3	57

STAINLESS STEEL ELECTRODES
Product Shortname: STS

PHRM316LC
- AS/NZS4854B:2012 ES316L-17
- AWS A5.4:2012 E316L-17

PH RM316LC is a low carbon electrode for welding Molybdenum bearing 316 and 316L steels. The weld metal has superior resistance to pitting and most types of corrosion. Also suitable for the general purpose welding of 301, 302, 304 and 304L stainless steels. Weld with a short arc.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	40-80	2.5	4	141
3.2	60-120	2.5	4	76
4.0	90-140	2.5	4	51

PHRS309LC

- AS/NZS 4854B:2006 ES 309L-17
- AWS A5.4 2012 E309L-17

PH RS309LC is a rutile coated all position electrode for welding stainless steel containing 22-25% Cr and 12-14% Ni. RS309LC may be used for welding dissimilar metals, eg; stainless steel type 18/8 to mild steel. Also used for welding the buffer layer of 18/8 clad steels, of which the final run is made with PH RS308LC.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	45-70	2.5	5	130
3.2	70-110	2.5	5	78

ELITE RANGE FOR REPAIRS & MAINTENANCE

Product Shortname: CAST/PROB

SUPERCAST Ni/Fe

- AWS A5.15: ENiFe-C1

Supercast Ni Fe is a basic, graphite-coated AC/DC electrode for the higher strength welding of cast irons. It is characterised by a soft, smooth arc with low penetration and spatter levels on both AC and DC power sources. Ease of striking is a feature of Supercast Ni Fe.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
3.2	50-100	2.5	5	89

WWHi Ten 8

Was developed to give very high strengths at elevated temperatures combined with corrosion resistance, high toughness and wear resistance. The special coating gives porosity free, dense deposits with little or no splatter. Welds are deposited at highest possible speed with least amount of base metal heat, using very low amperages. Tensile 825 MPa with high anti-cracking properties.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	40-75	2.5	5	151
3.2	75-125	2.5	5	74

WWRSP

This deposits a weld metal of an austenitic-ferritic structure which is highly resistant to cracking. Hence its use where combinations of metals could cause cracks by other methods. WW RSP is also used to weld creep resistant steel such as 5% Cr-0.5% Mo where no post work heat treatment can be applied. For joining mild to stainless steel. Very good for repair welding.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	40-75	2.5	5	143
3.2	60-100	2.5	5	78
4.0	90-140	2.5	5	51

For a full listing of welding products, machines and consumables please visit www.easysteel.co.nz

Welding Products

MIG WIRE

Product Shortname: MIGW

VORTEX

- AS/NZS 2717.1 ES6-GC-W503AH
- AWS A5.18 ER70S-6

Weldwell Vortex MIG wire is a precision, level layer wound, copper coated steel wire, suitable for welding in all positions. Under satisfactory conditions the weld metal will contain less than 4 ml of hydrogen per 100g of weld metal, and is able to produce welds with excellent x-ray qualities. The thin copper coating ensures good electrical conductivity, reduces friction during welding and minimises corrosion of the wire.

Shielding gas - CO_2 or Ar / CO_2 mixtures. Polarity DC+.

Size (mm)	Pkt Size (kg)	Sold per
0.8	15	spl
0.9	15	spl
1.0	15	spl
1.2	15	spl

AUSTMIG ES6

- AS/NZS 14341-B G49A 3U M/C S6
- AWS A5.18: ER70S-6

Copper coated, low carbon steel MIG wire specifically formulated for optimum performance under CO2 and Ar / CO_2 mixed gases.

Shielding gas - 100% CO_2 or Ar / CO_2 mixture. Polarity Electrode positive.

Size (mm)	Pkt Size (kg)	Sold per
0.6	5	spl
0.8	5	spl
0.9	5	spl
1.0	15	spl
1.2	15	spl
0.8	15	spl
0.9	15	spl
1.0	15	spl
1.2	15	spl

GAS SHIELDED FLUXCORED MIG WIRE

Product Shortname: FCWI

VORTEX 71T

- AS/NZS ISO 17632-B T492T11CA-U H10
- AWS A5.20 Class E71T-1C

An all position fluxcored wire designed to be used with 100% gas shielding for general purpose fabrication of mild and some low alloy steels. Good weldability, good impact strength at low temperatures, low spatter levels and easy slag removal.

Shielding gas - 100% CO_2. Polarity DC+.

Size (mm)	Pkt Size (kg)	Sold per
1.2	15	spl

For a full listing of welding products, machines and consumables please visit www.easysteel.co.nz

FABCO HORNET

- AS/NZS ISO 17632-B-T493T1-1CMA-U-H10
- AWS A5.20 Class E71T-1C H8, E71T-1M H8, E71T-9C H8, E71T-9M H8

Size (mm)	Pkt Size (kg)	Sold per
1.2	15	spl
1.6	15	spl

Fabco Hornet is an all position tubular flux cored wire designed to be used with CO_2 or mixed gas shielding, for general purpose fabrication where penetration requirements are stringent. The wire has good weldability, good impact strength at low temperatures, low spatter levels and easy slag removal. Conforms to strict seismic test requirements.

Shielding gas - 100% CO_2 or 75% Ar / 25% CO_2. Polarity DC+.

METALCORED MIG WIRE

Product Shortname: FCWI

FABCO 86R

- AS/NZS ISO 17632 -B-T 493T15-0MA-U H5
- AWS A5.18 E70C-6M K4

Size (mm)	Pkt Size (kg)	Sold per
1.2	15	spl

FabCor 86R has superior operator appeal due to almost non existent spatter. It also produces essentially slag-free welds and offers relatively low fume levels, good penetration, low hydrogen levels and 94-97% efficiency.

Shielding gas - 75-95% Ar / BAL CO_2. Polarity DC+.

GASLESS SEISMIC

Product Shortname: FCWI

FABSHIELD XLR8

- AS/NZS ISO 17632-B-T494T8-1NA-H10
- AWS A5.20, Class E71T-8JD H8

Size (mm)	Pkt Size (kg)	Sold per
1.6	15	spl
1.8	15	spl

Fabshield XLR-8 has been specifically designed for the demanding application of structural steel erection. This outstanding self-shielded, fluxcored wire produces a stable arc within a wide range of parameters. Designed to be used with constant voltage (CV) power sources. Usable under AWS D1.8 for use on Demand Critical Welds. Low Hydrogen Weld Deposit. For use on structural steel erection, heavy equipment repair, bridge construction, ship and barge construction.

Shielding gas – None. Polarity DC+

For a full listing of welding products, machines and consumables please visit www.easysteel.co.nz

Welding Products

STAINLESS FLUX-CORED WIRE

Product Shortname: MIGW

TIENTAI 316LT1-1

- AS/NZS ISO 17633-BTS316L-FC1
- AWS A5.22 E316LT1-1

Designed for 100% CO^2 gas shielding and all-position welding. It exhibits very excellent slag release and almost spatter-free operating features. It can be used for joining types of 316, 316L, CF-8M and CF-3M stainless steels. It provides a high inter-granular corrosion resistance to pressure vessel application due to the low carbon content.

Shielding gas - CO_2 or Ar / CO_2 mixtures. Polarity DC+.

Size (mm)	Pkt Size (kg)	Sold per
1.2	12.5	spl

STAINLESS SOLID MIG WIRE

Product Shortname: MIGW

316LSI

- AS/NZS ISO 14343-BSS316LSi
- AWS A5.9: ER316LSi

Precision layer wound stainless steel welding wire depositing 19Cr/12Ni/2.5Mo type extra low carbon type weld metal. For welding 316 and 316L plates, forgings, pipes, castings and bars in critical applications.

Also suitable for general purpose welding of common stainless steels such as 301, 302, 304 and 304L.

Shielding gas - argon/CO_2 or argon/0_2 2% Polarity DC+

Size (mm)	Pkt Size (kg)	Sold per
0.8	5	spl
0.8	15	spl
0.9	5	spl
0.9	15	spl
1.0	15	spl
1.2	15	spl

309LSI

- AS/NZS ISO 14343-BSS309LSi
- AWS A5.9: ER309LSi

Precision layer wound stainless steel welding wire depositing 25Cr/13Ni type low carbon weld metal. Recommended for welding 309, 309Mo and 309L base materials, also stainless steel to mild and low alloy steels, stainless steel overlays and other dissimilar ferrous metals.

Shielding gas - argon/CO_2 or argon/0_2 2%

Size (mm)	Pkt Size (kg)	Sold per
0.9	15	spl

For a full listing of welding products, machines and consumables please visit www.easysteel.co.nz

ALUMINIUM SOLID MIG WIRE

Product Shortname: ALIM

SAFRA 5356

- AS/NZS ISO 18273-S AI5356
- AWS A5.10 ER5356

Precision layer wound Al/5%Mg wire suitable for welding wrought or cast aluminium alloys containing magnesium as the major alloying element. Suitable for welding selected grades of wrought Al/Mg alloys including 5083, 5086, 5454 and 5456. Has marine approvals.

Shielding gas - pure argon, argon/helium. Polarity DC+

Size (mm)	Pkt Size (kg)	Sold per
0.8	0.5	spl
1.0	0.5	spl
1.0	6	spl
1.2	0.5	spl
1.2	6	spl

HARDFACING FLUX-CORED WIRE

Product Shortname: FCWI

TUBE ALLOY 255-G

A small diameter, gas shielded hard surfacing wire that deposits an extremely wear resistant chromium-carbide overlay. It is designed for overlay on carbon, low alloy, cast iron and austenitic manganese base metals. Stress-relief cracking will readily occur with this product. This cracking is not detrimental to the wear properties of the deposit and provides some degree of stress relief for the weld metal.

Shielding gas - 98% Ar/2% 0_2, 90% Ar/10% $C0_2$ - Polarity DC+

Size (mm)	Pkt Size (kg)	Sold per
1.2	11.34	spl

TUBE ALLOY 255-O

A self-shielded, flux-cored wire that deposits an extra high chromium carbide alloy steel. It can be used to overlay surfaces subjected to extremely severe abrasion. It can also be used where high temperature (up to 617°C) wear resistance is required. It is designed for use as an overlay.

Shielding gas - none. Polarity DC+

Size (mm)	Pkt Size (kg)	Sold per
1.6	11.34	spl

For a full listing of welding products, machines and consumables please visit www.easysteel.co.nz

Welding Products

SUBMERGED ARC WIRE

Product Shortname: FLUX

TF-565 FLUX (WITH TSW-12KM WIRE)

- AS/NZS ISO 14171-B-S49A4U ABS SU21
- AWS A5.17-97, F7A-4-EM12K

Designed for welding on AC and DC and suitable for two-run or multiple layer technique with excellent slag release and good operability.

Shielding gas - none. Polarity DC-

Size (mm)	Pkt Size (kg)	Sold per
2.4	25	spl
3.2	25	spl
T565	25	bag

HIGH TENSILE MIG WIRE

Product Shortname: MIGW

PZ6048

- AS/NZS16834 -B-G76A4U M G
- AWS A5.28:ER110S-GPZ6048

Suitable for welding high tensile steels such as T1, Bisalloy 80, AISI 4140.

Shielding gas - argon/$C0_2$/0_2. Polarity DC+

Size (mm)	Pkt Size (kg)	Sold per
1.0	15	spl
1.2	15	spl

SELF SHIELDED FLUXCORED MIG WIRE

Product Shortname: FCWI

FABSHIELD 21B

- AS/NZS ISO 17632-B-T49ZT11-1NA
- AWS A5.20, Class E71T-11

Fabshield 21B is a general purpose self-shielding fluxcored wire designed for single or multi-pass welding of thin gauge to 20mm thick mild or galvanised steels. Great for welding fillet or lap welds, this all position wire has high operator appeal, producing smooth spray-like arc transfer with low spatter levels, excellent weld bead appearance, and easy to remove slag. For use on machine parts, tanks, light structurals and other general fabrication.

Shielding gas - None. Polarity DC+.

Size (mm)	Pkt Size (kg)	Sold per
1.2	4.5	spl
1.2	15	spl
1.7	15	spl

For a full listing of welding products, machines and consumables please visit www.easysteel.co.nz

ALUMINIUM TIG WIRE

Product Shortname: ALIT

MAXAL TIG 5356

- AS/NZS ISO 18273-S Al 5356
- AWS A5.10: ER5356

Maxal 5356 is designed to weld 5xxx series structural alloys and 6xxx series extrusions. It is mainly used where higher weld strength and greater ductility is required.

Shielding gas - argon. Polarity AC

Size (mm)	Pkt Size (kg)	Sold per
1.6	4.5	pkt
2.5	4.5	pkt
3.2	4.5	pkt

STAINLESS TIG WIRE

Product Shortname: STIG

309LSI

- AS/NZS ISO 14343-B-SS309LSI
- AWS A5.9: ER309LSI

Low carbon 24Cr/13Ni type filler rod recommended for TIG and oxy-acetylene welding of 309 and 309L stainless steels. Also suitable for joining dissimilar steels such as stainless steel to mild or low alloy steels and for stainless surfacing of mild steel, carbon and low alloy steels. This TIG wire has low carbon and higher silicon content which improves the fluidity of the filler metal during welding.

Shielding gas - argon. Polarity DC-

Size (mm)	Pkt Size (kg)	Sold per
1.5	1	pkt
2.5	1	pkt

316LSI

- AS/NZS ISO 14343-B-SS316LSI
- AWS A5.9: ER316LSI

Low carbon 19Cr/12Ni/2.5Mo type filler rod recommended for TIG or oxy-acetylene welding of 316 and 316L stainless steels. Recommended for general purpose welding of common 300 series stainless steels such as 302, 304 and 304L and ferritic stainless alloys including 410 and 430. This TIG wire is ultra low carbon and higher silicon content which improves the fluidity of the filler metal during welding.

Shielding gas - argon. Polarity DC-

Size (mm)	Pkt Size (kg)
0.9	1
1.2	1
1.6	1
2.0	1
2.4	1
3.2	1

For a full listing of welding products, machines and consumables please visit www.easysteel.co.nz

Welding Products

STEEL TIG WIRE - MEDIUM TENSILE

Product Shortname: TIGW

PZ6500

- AS/NZS 1167.2 R6
- AWS A5.18:ER70S-6

Weldwell PZ6500 TIG wire is a double deoxidised copper coated wire eminently suited for welding in all positions. Under satisfactory conditions will provide less than 4 ml of hydrogen per 100g of weld metal. Can be used for welding mild to medium tensile steels, unalloyed and low alloyed steels and produces welds with excellent x-ray qualities.

Shielding gas - argon. Polarity DC-

Size (mm)	Pkt Size (kg)
1.6	5
2.4	5
3.2	5

SPECIALIST TIG WIRE

Product Shortname: TIGW

SILICON BRONZE

- AS/NZS 1167.1 RCuSi-A
- AWS A5.7 ERCuSi-A

Silicon Bronze is best known for welding plain or galvanised steel sheet metal. Principal applications include TIG welding of copper, copper-silicon and copper-zinc base metals to themselves and to steel.

Shielding gas - argon. Polarity DC-

Size (mm)	Pkt Size (kg)
2.5	1

For a full listing of welding products, machines and consumables please visit www.easysteel.co.nz

MIG MACHINES

Product Shortname: MACH

STEADYMIG 322 COMPLETE WITH GUN AND REGULATOR

Power source and 4WD wire feeder provides a complete package capable of feeding 0.6-1.2mm diameter gas shielded and fluxcored wires. The power source offers very good welding characteristics with the choice of 2 inductance tappings and 21 voltage adjustments - 7 coarse and 3 fine - and is fitted with digital meters for easy reference of operating parameters. Comes complete with separate 4 roll wire feeder, 350 amp 3.7m Tregaskiss mig gun, gas regulator, earth lead and clamp, wheels and bottle rack.



STEADYMIG 402 COMPLETE WITH GUN AND REGULATOR

Power source and 4WD wire feeder provides a complete package capable of feeding 0.6-1.6mm diameter gas shielded and fluxcored wires. The power source offers very good welding characteristics with the choice of 2 inductance tappings and 24 voltage adjustments - 6 coarse and 4 fine - and is fitted with digital meters for easy reference of operating parameters. Comes complete with separate 4 roll wire feeder, 400 amp 3.7m Tregaskiss mig gun, gas regulator, earth lead and clamp, wheels and bottle rack.



For a full listing of welding products, machines and consumables please visit www.easysteel.co.nz

Welding Products

ENGINE DRIVEN GENERATOR WELDERS

Product	Process							Auxiliary Output	
	Stick	MIG*	Flux Cored*	DC TIG	DC Pulse TIG	Std Generator Power - Watts (Peak)	Welding Output Range	Aux Power Outlets	Typical Applications
Bobcat 250 (Petrol)	✓	✓	✓	✓		11,000	40 - 250 AC 40 - 250 DC 17 - 28 CV	2 x 15 Amp 1 x 32 Amp (all 240V)	Fabrication, Maintenance, Rural, Construction
Bobcat 250 (Diesel)	✓	✓	✓	✓		11,000	40 - 250 AC 40 - 250 DC 17 - 28 CV	2 x 15 Amp 1 x 32 Amp (all 240V)	Fabrication, Structural, Maintenance, Repair, Piping
Trailblazer 325 (Petrol)	✓	✓	✓	✓	✓	12,000	10 - 325 DC 10 - 35 CV	2 x 15 Amp Sockets (all 240V)	Fabrication, Maintenance, Rural, Construction
Trailblazer 325 (Diesel)	✓	✓	✓	✓	✓	12,000	10 - 325 DC 10 - 35 CV	2 x 15 Amp Sockets (all 240V)	Fabrication, Structural, Maintenance, Repair, Piping
Big Blue 400X Pro	✓	✓	✓	✓		12,000	20 - 400 CC 14 - 40V CV	2 x 15 Amp 1 x 32 Amp (all 240V)	Fabrication, Maintenance, Structural, Construction
Big Blue 500X Pro	✓	✓	✓	✓		15,000 3PH 4,000 1PH	20 - 500 CC 14 - 40 DV	2 x 15 Amp 240V 1PH, 1 x 32 Amp 380V 3PH	Fabrication, Structural, Maintenance, Repair, Piping
Big Blue 700X Duo Pro	✓	✓	✓	✓		27,000 3PH 5,500 1PH	Paralleled 40 - 800A Each Side 20 - 400A	2 x 15 Amp 240V 1PH, 1 x 32 Amp 380V 3PH	Construction, Pipeline, Mining, Maintenance, Railroad
Big Blue 800X Duo Air Pak	✓	✓	✓	✓		27,000 3PH 5,300 1PH	20 - 800 CC 14 - 40 CV	2 x 15 Amp 240V 1PH, 1 x 32 Amp 380V 3PH	Construction, Structural, Maintenance, Mining

*Optional Wirefeeder Required
✓Designed for this process


Bobcat 250 (Diesel)


Bobcat 250 (Petrol)


Trailblazer 325


Big Blue 400X Pro


Big Blue 500X Pro


Big Blue 700X Duo Pro


Big Blue 800X Duo Air Pak

MILLER MACHINES

MILLER MAXSTAR 210DX

Suitable for DC TIG and Stick welding applications, and is suitable for welding steel, stainless steel, copper and titanium.



DYNASTY 210DX

Suitable for AC/DC TIG, Pulsed TIG and Stick welding applications and is ideal for precision fabrication and maintenance jobs split between the workshop and site.



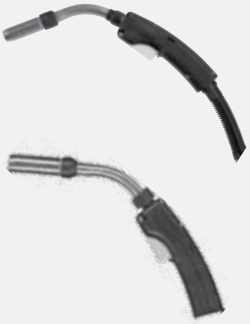
For a full listing of welding products, machines and consumables please visit www.easysteel.co.nz

Welding Products

MIG GUNS

Product Shortname: MISM

Treggun40012fl Bernard 400 Amp 12ft (3.6M) MIG gun
Treggun40015fl Bernard 400 Amp 12ft (4.5M) MIG gun
Treggun40012mfl Bernard 450 Amp 12ft Miller gun
Treggun40012fl Bernard 400 Amp 12ft (3.6M) MIG gun
Treggun40012mfl Bernard 450 Amp 15ft Miller gun
Bernflx3515am Bernard dura-flux 350 Amp 15ft MIG gun Miller end
MA7444gun MA7444 Ergoplus 36/4M euro gun
MA7444gun MA7144 Ergoplus 24/4M euro gun
Replacement 200A MIG gun to suit 190, 270, 270C, 200i
Replacement 350A MIG gun to suit 356, 396
Replacement 400A MIG gun to suit Fabricator



For a full range of Binzel type MIG guns. Tregaskiss guns (Bernard T guns) and Bernard MIG guns enquire for details.

GAS EQUIPMENT

Product Shortname: GASM

GEMINI GAS KIT NDCW-7225

Gemini Gas Kit complete with Standard Torch. Includes Flashback arrestors. Industry compatible fittings. The practical choice for industry, trade, rural and domestic applications. Complete with all parts required for brazing, fusion welding, silver soldering and oxy cutting (gas bottles not included). Housed in a sturdy plastic carry case.



REGULATORS

Weldwell Elite Oxygen Regulator
Weldwell Elite Acetylene Regulator
Weldwell Elite Propane Regulator
Weldwell Elite Single Flow Argon Regulator
Weldwell Elite Twin Flow Argon Regulator
Dragon CO_2 Flow Regulator DR60





For a full listing of welding products, machines and consumables please visit www.easysteel.co.nz

SAFETY

WH330 FLIP UP WELDING HELMET

Lightweight, for electric or arc welding. 108mm x 51mm lens. Supplied with Shade # 11 lens.



MILLER DIGITAL ELITE WELDING HELMET

Miller Digital Elite: Miller - the name you can trust in digital welding helmets. Auto-Off (manual on), Grind Mode, Cut Mode and X-Mode. Largest view - 30% larger window. Four independent arc sensors. Lens speed - 1/20,000 second. Variable shade No 8-13 and light state No 3. (Digital Elite offers shades No 5-8 in Cut Mode). Excellent low-amperage TIG rating (5 amps). Includes magnifying lens holder.



MILLER DIGITAL ELITE WELDING HELMET WITH GRAPHICS

As per the Digital Elite plus including graphics.



WIA BLUE HELMET

- Lens and helmet comply with Australian Standards AS/NZS 1338.1 (Auto-Darkening) and AS/NZS 1337.1 B (High Impact).
- Convenient external shade control provides flexibility to adjust shade control while welding.
- Built-in provision for magnifying lens, if required.
- Variable control for adjustment of shade, lens sensitivity and delay for maximum control when welding. Shade 9-13.
- With a viewing area larger than most helmets in its class, the operator gets a better visual of the working area.
- High quality headgear - comfortable, lightweight and fully adjustable for easy adjustment to provide maximum face and neck protection. Weighs only 515g.



For a full listing of welding products, machines and consumables please visit www.easysteel.co.nz

Welding Products

DIGITAL INFINITY HELMET



- Lens and helmet comply with Australian Standards AS/NZS 1338.1 (Auto-Darkening) and AS/NZS 1337.1B (High Impact).
- Huge Viewing Area - large 112 x 78mm viewing area with wide screen format provides an unsurpassed view and eliminates tunnel vision.
- Redesigned Headgear - extensive adjustability for the best fit and enhanced support.
- Four Operating Modes - Weld, cut, grind and X-mode provide ultimate versatility.
- Four Independent Arc Sensors - provide continuous arc sensing for the most demanding applications plus superior lens response.
- Digital Controls - intuitive design and large push buttons allow the user to easily adjust mode and settings.
- InfoTrack™ Technology - exclusive arc tracking technology includes a digital clock and alarm, making it possible to track welding time, and features a multi-language help menu for support.
- Suits a Wide Range of Processes - MIG, Stick, TIG, Flux Cored and Pulse.
- Auto Lens Control System

VORTEX PAPR (POWERED AIR PURIFYING RESPIRATOR)



DUAL AIR SPEEDS allows the user to adjust the air volume for a variety of working conditions – 160 and 200 litres/minute.

LIGHTWEIGHT LITHIUM ION BATTERY delivers 8 hours of operation on low setting and 6 hours on high setting. No memory retention from frequent charging. 3 hours to charge.

LIGHTWEIGHT BLOWER UNIT DESIGN for operator comfort.

AUDIBLE AND VIBRATING ALARMS Notify the operator of blocked filters or air blockages.

BACK HARNESS evenly distributes the weight of the unit over the entire upper body, keeping operator fatigue to a minimum when welding for long periods.

TWIST LOCK HOSE CONNECTION DESIGN eliminates air leaks and makes connecting and disconnecting quick and easy.

HOSE COVER protects from sparks and abrasion for extended life.

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A FLETCHER BUILDING COMPANY



CONSUMABLES

Consumables

CUTTING AND GRINDING DISCS

Product Shortname: DISO, DISC

Fletcher Easysteel stocks the below range of cutting and grinding discs. Hard wearing, durable and low cost, enquire at your Fletcher Easysteel sales centre today.

Cut Off Discs		
OD	**Thickness**	**Centre**
115	2.0	22.23mm
125	2.0	22.23mm
180	2.5	22.23mm
230	2.5	22.23mm
300	3.0	25.4mm
350	3.0	25.4mm
400	3.0	25.4mm

Grinding Discs		
OD	**Thickness**	**Centre**
100	5.0	16mm
115	6.0	22.23mm
125	6.0	22.23mm
180	6.0	22.23mm
230	6.0	22.23mm

Metal Inox Grinding
100x6x16 INOX A24-30-36Q D/C
115x6.5x22 INOX A24-30-36Q D/C
125x6.5x22 INOX A24-30-36Q D/C
178x7x22 INOX A24-30-36Q D/C
230x7x22 INOX A24-30-36Q D/C

Standard Metal Grinding Discs	
GA3101	115X6.5X22 A24-30-36R D/C
GA3102	125X6.5X22 A24-30-36R D/C
GA3104	178X7X22 A24-30-36R D/C
GA3105	230X7X22 A24-30-36R D/C

General Purpose
100X2.5X16 A30-36R C/O
115X2.5X22 A30-36R C/O
125X2.5X22 A30-36R C/O
178X2.5X22 A30-36T C/O
230X2.5X22 A30-36R C/O
300X4X25.4 A24S STAT C/O
400X4.5X25.4 A24S STAT C/O

Inox Cutting
100x2.5x16 A30-36Q INOX C/O
115x2.5x22 A30-36Q INOX C/O
125x2.5x22 A30-36Q INOX C/O
178x2.5x22 A30-36Q INOX C/O
230x2.5x22 A30-36Q INOX C/O
300x4x25.4 A30-36R INOX C/O
350x4x25.4 A30-36R INOX C/O

easysteel.™

A FLETCHER BUILDING COMPANY



SERVICE CENTRES

SERVICE CENTRES

Company Organisation:

	Sales Centre	Distribution Centre	Coil Processing	Plate Processing
North Island	Whangarei Auckland Hamilton Tauranga Rotorua New Plymouth Hawkes Bay Palmerston North Wellington	Auckland	Auckland	Auckland
South Island	Nelson Christchurch Dunedin Invercargill	Christchurch	Christchurch	Christchurch

PLATE PROCESSING

Easysteel's 'Easycut Profiling' operations provide the largest and most efficient plate cutting facilities in New Zealand. Whether your requirements are for mild steel, boiler quality or high strength plate we can cut your plate to meet your requirements. A list of services are offered below:

- The 260 amp top of the line high definition Kinetic plasma machines in Auckland and Christchurch can cut plate up to 50mm thick. Easysteel offer a range of services from drilling and tapping through to beveling and etching, saving our customers time and money.
- The Dycon 300 tonne numerically controlled press brake at our Auckland facility has a computer controlled automatic backstop and can press up to nine different folds per plate, all with repetitive folds.
- An integral part of the plate processing is the latest in software in our CAD department to quickly and efficiently nest your designs and shapes at minimal cost and waste. All drawings are held in memory allowing repeat orders to be recalled immediately.



Machine Capabilities in Auckland and Christchurch		
	Plasma Cutting	Gas Cutting
Thicknesses	2mm - 50mm	3mm - 20mm
Grades	All Carbon Steels	10mm - 260mm
Beveling	0-45° Multiple Bevel Capabilities	0-45° Bevel Capabilities
Etching	Text and line marking	Text and line marking
Drilling	Standard Metric Sizes from 4mm to 35.5mm diameter	-
Tapping	Standard Metric Sizes from M8 to M20	-
Tolerances	+/- 1mm on all Profiling	+/- 1mm on all Profiling

Additional Machine Capabilities in Auckland only
300T Pressbrake
up to 12mm

Service Centres

SHEET & COIL PROCESSING

In order to cater for specialist requirements of the New Zealand manufacturing industry and expand services available, Easysteel offers a Service Centre operation with some of the latest metal processing technology and equipment available in New Zealand. With Coil processing equipment in Auckland and Christchurch the facilities are available to slit, sheet, blank and guillotine both ferrous and non-ferrous metals to exacting standards.

Machine Capabilities:

	Auckland	Christchurch
Sitting		
Maximum Width	1525mm	1350mm
Minimum Width	16mm	25mm
Thickness Range	0.35 - 3.5mm STD	0.4 - 2.3mm
Sheeting & Blanking		
Maximum Width	1828mm	1250mm
Minimum Width Thickness: 1mm <1mm	76mm 127mm	200mm 200mm
Thickness Range	0.5 - 3.2mm Mild Steel	0.4 - 1.6mm M.S.
	0.5 - 2.0mm Stainless Steel	-
	0.5 - 3.2mm Aluminium	-
Guillotines		
Minimum Width	28mm	
Maximum Length	2400mm	
Thickness Range	0.4 - 3.2mm	
Coil Weight		
Max Weight	10 Tonne	6.2 Tonne

USEFUL TABLES WEIGHTS - KG/METRE

Round Bars:

Metric Size mm	Imperial Equivalent Size inch	kg/m
3	0.1181	0.056
3.175	1/8	0.062
4	0.1575	0.099
4.762	3/16	0.140
5	0.1969	0.154
6	0.2362	0.222
6.350	1/4	0.247
7.937	5/16	0.388
8	0.3150	0.395
9.525	3/8	0.559
10	0.3937	0.617
11.112	7/16	0.761
12	0.4724	0.888
12.700	1/2	0.994
13	0.5118	1.042
14	0.5512	1.208
14.287	9/16	1.259
15.875	5/8	1.554
16	0.6299	1.578
17	0.6693	1.782
17.462	11/18	1.880
19	0.7480	2.226
19.050	3/4	2.237
20	0.7874	2.466
20.637	13/16	2.626
22	0.8661	2.984
22.225	7/8	3.045

Metric Size mm	Imperial Equivalent Size inch	kg/m
23.812	15/16	3.496
24	0.9449	3.551
25	0.9843	3.853
25.400	1	3.978
28	1.1024	4.834
28.575	1 1/8	5.034
30	1.1811	5.549
31.750	1 1/4	6.215
32	1.2598	6.313
33	1.2992	6.714
34.925	1 3/8	7.520
35	1.3780	7.553
38.100	1 1/2	8.950
40	1.5748	9.865
41.275	1 5/8	10.504
44.450	1 3/4	12.181
45	1.7717	12.485
47.625	1 7/8	13.984
50	1.9685	15.413
50.800	2	15.911
53.975	2 1/8	17.962
55	2.1654	18.650
57.150	2 1/4	20.137
60	2.3622	22.195
60.325	2 3/8	22.436
63.500	2 1/2	24.861
65	2.559	26.049

Metric Size mm	Imperial Equivalent Size inch	kg/m
69.850	2 3/4	30.081
70	2.756	30.120
75	2.953	34.680
76.200	3	35.799
80	3.149	39.458
82.55	3 1/4	42.013
88.90	3 1/2	48.726
90	3.543	49.939
100	3.937	61.654
101.60	4	63.642
105	4.134	67.973
110	4.331	74.601
114.30	4 1/2	80.547
120	4.724	88.781
127.0	5	99.441
130	5.118	104.19
140	5.512	120.84
150	5.905	138.72
152.40	6	143.19
160	6.299	157.83
180	7.086	199.75
200	7.874	246.61
210	8.267	271.89
220	8.661	298.40
230	9.055	326.14
250	9.842	385.33

Hexagon Bars:

6.35	1/4	0.274
7.94	5/18	0.428
9.52	3/8	0.616
11.11	7/16	0.840
12.70	1/2	1.096
14.29	9/18	1.388
15.87	5/8	1.712

19.05	3/4	2.466
20.64	13/18	2.894
20.83	0.820	2.948
22.22	7/8	3.358
23.37	0.920	3.711
25.40	1	4.386
26.99	1 1/16	4.946

28.57	1 1/8	5.550
31.75	1 1/4	6.853
34.92	1 3/8	8.292
38.10	1 1/2	9.868
47.24	1.860	15.166
52.07	2.050	18.379

To calculate the weights of Bright Steel Bars in kg/metre, use the following formulae: -

Hexagons	- (size a/f in mm)^2	x .006798	= weight per metre in kilograms
Squares	- (size a/f in mm)^2	x .00785	= weight per metre in kilograms
Rounds	- (Diameter in mm)^2	x .006165	= weight per metre in kilograms
Flats	- Width in mm x thickness in mm	x .00785	= weight per metre in kilograms

Conversion Tables

APPROX. COMPARISON OF TENSILE STRENGTH*

tons/in²	p.s.i	kg/mm²	N/mm² or MPa	tons/in²	p.s.i	kg/mm²	N/mm² or MPa
16	37,000	25.8	250	80	180,000	126.0	1236
20	45,000	31.6	309	81	182,000	128.0	1251
23	51,500	36.5	355	84	188,000	132.2	1297
26	58,000	40.8	402	85	190,000	133.6	1313
29	65,000	45.7	448	88	197,000	138.5	1359
30	67,000	47.1	463	90	202,000	142.0	1390
32	72,000	50.6	494	91	204,000	143.4	1405
33	74,000	52.0	510	94	210,000	148.4	1452
35	78,500	55.5	541	95	213,000	149.7	1467
36	81,000	57.0	556	97	217,000	152.6	1498
39	87,500	61.8	602	100	224,000	157.5	1544
40	90,000	63.3	618	104	233,000	163.8	1606
42	94,000	66.0	649	105	235,000	165.4	1622
45	101,000	71.0	695	107	240,000	168.5	1653
46	103,000	72.5	710	110	246,500	173.2	1699
49	110,333	77.3	757	113	253,000	178.0	1745
50	112,000	78.75	772	115	257,600	181.1	1776
52	116,500	82.0	803	117	262,000	184.3	1807
55	123,000	86.5	849	120	269,000	189.0	1853
58	130,000	91.4	896	123	275,500	194.0	1900
60	134,500	94.5	927	125	280,000	197.0	1931
62	139,000	97.7	957.5	126	282,200	198.0	1946
65	146,000	102.6	1004	130	291,000	205.0	2000
68	153,000	107.5	1050	133	298,000	209.0	2054
70	157,000	110.4	1081	135	302,400	213.0	2085
71	159,000	111.8	1097	136	304,500	214.0	2010
75	168,000	118.0	1158	140	313,600	221.0	2162
78	175,000	123.0	1205				

*A Guide Only

METRIC TO GAUGE

Gauge Number	9	10	12	14	16	18	20	22	24	26	28
Birmingham Gauge (mm)	3.50	3.00	2.50	2.00	1.60	1.20	1.00	0.80	0.60	0.50	0.40
Galv. Sheet Gauge (B.M.T.)	3.45	2.95	2.45	1.95	1.55	1.15	0.95	0.75	0.55	0.45	0.35

*Note: Mild Steel Only

Conversion Tables

APPROX. EQUIVALENT HARDNESS NUMBERS AND TENSILE STRENGTH FOR BRINELL HARDNESS FOR STEEL*

Brinell Hardness No. 10mm ball 3000kg Load	Diamond Pyramid Hardness No.	B-Scale 100kg Load 1/16" dia. Ball	Rockwell Hardness No. C-Scale 150kg Load Brale Penetrator	Tensile Strength in MPa
-	940	-	68.0	-
-	840	-	65.3	-
-	780	-	63.3	-
682	737	-	61.7	-
653	697	-	60.0	-
627	667	-	58.7	2392
601	640	-	57.3	2261
578	615	-	56.0	2158
555	591	-	54.7	2058
534	569	-	53.5	1962
514	547	-	52.1	1893
495	528	-	51.0	1817
477	508	-	49.6	1738
461	491	-	48.5	1665
444	472	-	47.1	1586
429	455	-	45.7	1513
415	440	-	44.5	1461
401	424	-	43.1	1391
388	410	-	41.8	1330
375	396	-	40.4	1271
363	383	-	39.1	1220
352	372	(110.0)	37.9	1175
341	360	(109.0)	36.6	1133
331	349	(108.5)	35.5	1097
321	339	(108.0)	34.3	1062
311	328	(107.5)	33.1	1029
302	319	(107.0)	32.1	1001
293	309	(106.0)	30.9	975
285	301	(105.5)	29.9	949
277	292	(104.5)	28.8	923
269	284	(104.0)	27.6	896
262	276	(103.0)	26.6	873

Brinell Hardness No. 10mm ball 3000kg Load	Diamond Pyramid Hardness No.	B-Scale 100kg Load 1/16" dia. Ball	Rockwell Hardness No. C-Scale 150kg Load Brale Penetrator	Tensile Strength in MPa
255	269	(102.0)	25.4	849
248	261	(101.0)	24.2	826
241	253	100.0	22.8	803
235	247	99.0	21.7	783
229	241	98.2	20.5	764
223	234	97.3	(18.8)	742
217	228	96.4	(17.5)	722
212	222	95.5	(16.0)	706
207	218	94.6	(15.2)	691
201	212	93.8	(13.8)	672
197	207	92.9	(12.7)	658
192	202	91.8	(11.5)	642
187	196	90.7	(10.0)	625
183	192	90.0	(9.0)	612
179	188	89.0	(8.0)	599
174	182	87.8	(6.4)	583
170	178	86.8	(5.4)	570
167	175	86.0	(4.4)	560
163	171	85.0	(3.3)	546
159	167	83.8	(2.1)	535
156	163	82.9	(0.9)	526
152	159	81.7	-	514
149	156	80.8	-	504
146	153	79.8	-	495
143	150	78.7	-	485
140	146	77.6	-	475
137	143	76.4	-	464
134	140	75.2	-	455
131	137	74.0	-	446
128	134	72.7	-	437
126	132	72.0	-	431

*A Guide Only

Special Steels

SPECIAL PURPOSE STEELS



Easysteel stocks a wide range of specialist products to ensure we can offer the most comprehensive range to all users.

Stocks Include:

Bright Mild Steel	Free Cutting
Medium Tensile	High Tensile
Hollow Bar	Hard Chrome Bar
Hydraulic Cylinder Tube	Case Hardening
Tool Steels	Cast Iron

This list is only an indication of the stock available. The broad range and depth of products we are committed to stocking requires a separate catalogue for this product group.

The SPECIAL STEEL BOOK is available from your local Easysteel sales centre.

Cut to Length Service

For all special steels, we offer a comprehensive cutting service. Easysteel has the ability to quickly and accurately cut your specific requirements within close limits of tolerance.

Indent Service

Easysteel also offers an indent service on all special purpose steels from a global network of traders, merchants and mills, depending on your delivery requirements.

APPENDIX

Conversion Factors:

To calculate the weight of steel bars:
ROUND - dia. mm^2 x 0.006165 = Weight in kilograms per metre
ROUND - dia mm^2 x 0.004143 = Weight in lbs per foot
HEXAGON - Size mm^2 x 0.006798 = Weight in kilograms per metre
HEXAGON - Size mm^2 x 0.00457 = Weight in lbs per foot
SQUARE - Size mm^2 x 0.00785 = Weight in kilograms per metre
SQUARE - Size mm^2 x 0.00527 = Weight in lbs per foot
FLAT - Width in mm x Thickness in mm x 0.00785 = Weight in kilograms per metre
FLAT - Width in mm x Thickness in mm x 0.00527 = Weight in lbs. per foot
TOOL STEEL - Width in mm x Thickness in mm x 0.00785 = Weight in kilograms per metre
TOOLING PLATE (Aluminium) - Width in mm x Thickness in mm x 0.0027 = Weight in kilograms per metre

General:

lbs. per foot x 1.4880 = kilograms per metre
kilograms per metre x 0.6720 = lbs. per foot
Feet x 0.3048 = metres
Metres x 3.2809 = feet
U.K. tons per sq. inch (tons $f/in.^2$) x 15.4443 = Mega Pascals (MPa)
Mega Pascals (MPa) x 0.064749 = U.K. tons f per square inch
Newton per sq. millimeter (N/mm2) x 0.064749 = U.K. tons f per square inch.
Mega Pascals (MPa) x 145.0377 = pounds per square inch (psi)

Services

INDENTS



Indent Sourcing

For the products and quantities outside our stocking policy, Easysteel has many years of experience in sourcing a comprehensive range of steel and related products for our customers. The resulting well established channels, relationships with suppliers, and collective purchasing leverage means Easysteel is well positioned to cater for your indent requirements.

Further, our ability to co-ordinate indent orders in a centralised operation ensures excellent service at all times.

Please contact your local Easysteel Sales Centre with your enquiry.

Notes

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