

Brilliance STEEL

Quality And More.

PRODUCT GUIDE 2024



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Brilliance Steel Product Guide



Product Guide Contents

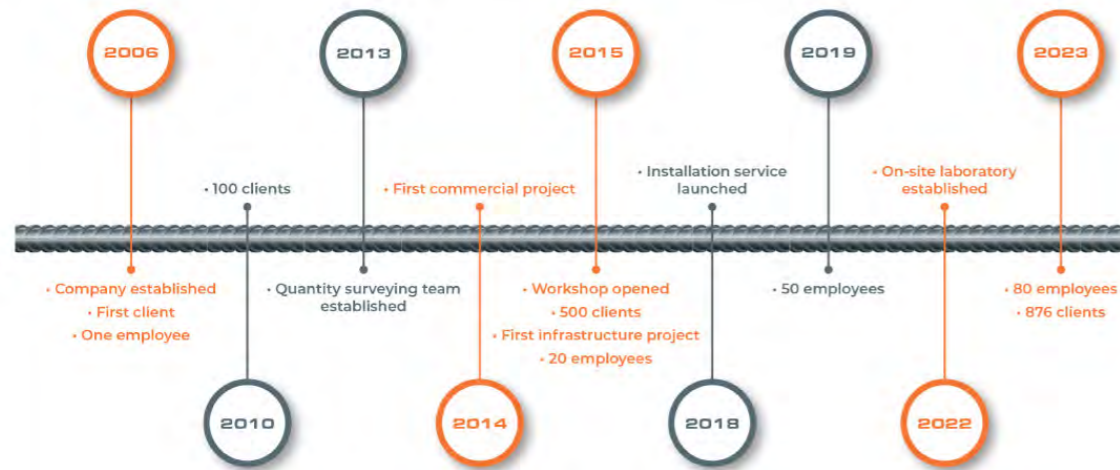
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OUR STORY

Brilliance Steel Product Guide

Our story



At Brilliance Steel, where our story is rooted the belief that from a vision and commitment to create something out of nothing, where extraordinary achievements can flourish. Founded in 2006, Brilliance Steel has grown to become a **leading locally-owned and operated reinforcing steel distributor and installer**, supplying literally tens of thousands of tons of reinforcing steel to the country's construction and building sector.

Our journey is marked by our dedication to creating value for the communities we serve. Our commitment extends beyond just selling reinforcing steel; we are a people-first company. With a team of **nearly 100 professionals**, we build the foundations upon which homes, workplaces, and vital infrastructures stand. Our success stems from a steadfast commitment to excellence, safety, integrity, and sustainability.

At Brilliance Steel, every project is an opportunity to deliver unparalleled quality and service. Our aim is simple yet profound: **to ensure every steel bar withstands the test of time, to enrich our community, and to champion sustainability as a core philosophy.**

In 2023, Brilliance Steel became a member of **Concrete NZ Reinforcing Stakeholder Group**, as one of the representatives of a number of companies, that specialise in the processing and fixing of reinforcing steel used in the building of concrete structures.



Our Mission

- To ensure that every steel bar we use can **withstand the test of time.**
- To **give back to our community** and ensure that everyone benefits from our company's growth.
- **Sustainability** is a core philosophy for us, increasing our focus on sustainability to minimise the environmental impact.

Our Values

- **Safety first for all.**
- **Work with a professional and practical attitude.**
- **Embrace new innovations and knowledge with an open mind.**
- **Work with a commitment to fast and efficient communication.**
- **Practice fair trade.**
- **Commitment to the quality of our work.**
- **Treat our staff and clients with respect.**

OUR ADVANTAGES

Brilliance Steel Product Guide

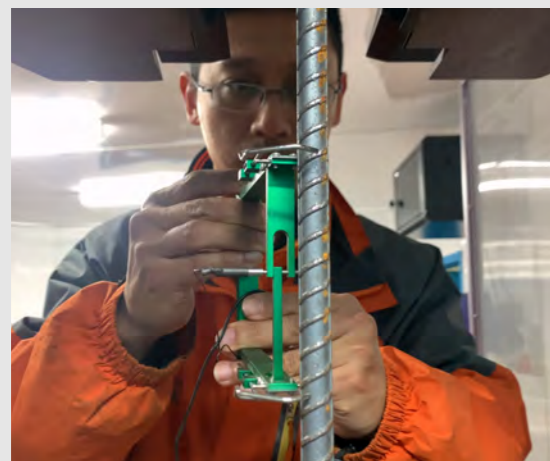


Why choose Brilliance Steel

Solutions to fit your needs:

Every project is unique, and so are its steel requirements. As a **one-stop shop** for reinforcing steel solutions, we manage everything from initial detailing to final on-site placement. Our Quantity Surveying team, composed of skilled surveyors and project managers, work alongside our experienced steel fixers to provide efficient and high-quality service tailored to your specific needs.

Unwavering quality assurance:



We adhere to the strictest standards of the New Zealand Building Code (AS/NZS4671: 2019 Code of Compliance), all of our suppliers are **ACRS-approved mills** and our IANZ accredited on-site laboratory thoroughly tests all our products. We also gained the ISO certification, **ISO 9001**, for our approved quality management system.

As New Zealand's only ACRS-approved reinforcing products processor, we offer full traceability and external testing, giving you confidence in the quality and origin of our steel.



Commitment to sustainability:

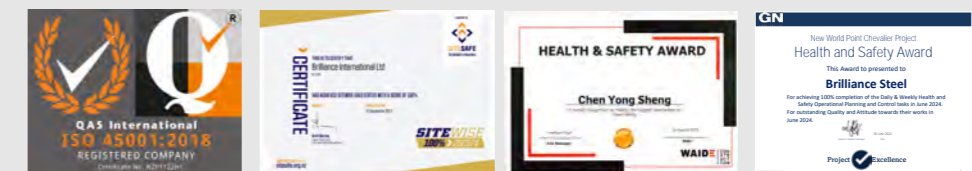
As a Silver Charter Member of the Sustainable Steel Council and a member of the New Zealand Green Building Council, we are at the forefront of sustainability in construction.

Our focus on waste reduction and precise steel specification ensures minimal environmental impact. In addition, one of our biggest suppliers received a **Sustainability Champions award** in 2023 from the World Steel Association.



Safety as a core principle and practice:

Safety First is integral to our culture. We uphold rigorous safety standards, achieving a **SiteWise Gold** Certificate and **ISO 45001** certification for our approved management system for occupational health and safety. With a 50% reduction in incidents over the past two years, we prove that our commitment to safety is not just policy but practice.



Dependable and consistent service:

Reliability is our promise. With a robust fleet and skilled operators, we guarantee timely deliveries that help you maintain project schedules. Our project managers partner with you to ensure seamless collaboration and success.





Cut & Bend / Prefabrication

Custom cut and bend service:

Brilliance Steel offers a complete reinforcing cut and bend service to complement our extensive stocks of standard products.

Custom cut and bend products can include:



Spirals



Cages



Links



Corner bars



Stirrups



Pads



Starters



Columns



Special-shape

Prefabrication:

Brilliance Steel provides a prefabrication service for pile cages. The cages are designed and built in our workshop by **highly skilled steel fixers and welders**, and we can provide options for a variety of different projects.

Prefabrication contributes strongly to **increase efficiency**, time saving on-site, and makes installation easier when the pile cages are installed in confined spaces or spaces that are difficult for steel fixers to reach.



On site placing / Estimation / Detailing



On site placing:

In addition to process and supplying steel nationally, Brilliance Steel operates a **placing team**.

Our qualified and experienced team work on a wide range of projects, including **commercial buildings, apartments, residential homes, schools, and infrastructure**.

Estimation:

Our estimation and quantity surveying team is very experienced in quoting steel reinforcement packages for a wide range of different projects across the construction industry.

Brilliance Steel has **accurately quoted and delivered to thousands of different types of projects** for our customers, from small residential projects to large industrial and commercial projects.



Detailing:

Brilliance Steel are experienced steel detailers and we offer a **full detailing service for projects of all sizes**. Our detailing and engineering teams have the knowledge and industry expertise deliver high quality drawings ready for fabrication and fulfil all your steel reinforcing requirements.

*To discuss options for your upcoming project, please contact us for more information.

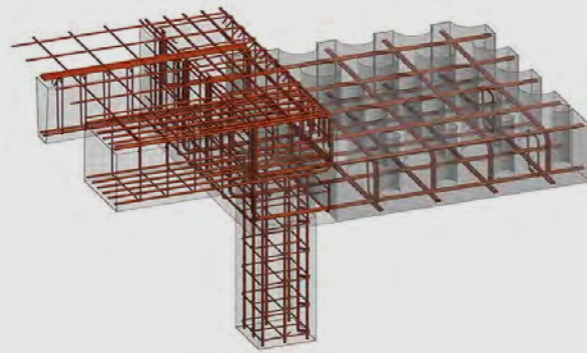
**BIM /
Welding /
Drill and epoxy /
Hiab service**



Building Information Modelling (BIM):

We provide a Building Information Modelling (BIM) service. BIM is 3D modelling technology that uses data collected from your project to create **a digital version of the physical and functional characteristics of your building or structure.**

Using BIM allows us to create a more detailed and accurate model of your project that we can review and discuss before construction begins.



Welding:

Brilliance Steel provides a **specialised welding service** to fuse rebar and our highly experienced and skilled welding team can work to your specific project requirements.

Drill and epoxy:

Our drill and epoxy service is available for installing reinforcing bars into concrete using heavy-duty pure epoxy. Get in touch with our expert team to discuss your project needs.

***For the project that needs noise and vibration control, we provide the core drill service to fulfil this requirement also.**



Hiab service:

We offer a HIAB service for our customers, providing vehicles equipped with a **hydraulic truck loader crane** for lifting and transporting heavy loads.

We can safely and efficiently lift and move items on a variety of different projects and allows us to reach spaces that large cranes can't get to, including smaller or residential sites.

Delivery Service



Our dispatch department specializes in professional transport services for rebar and steel mesh. We have a team of experienced and skilled professionals dedicated to providing efficient and safe transportation solutions for our customers: **you call, we haul!**

Professional Equipment:

We are equipped with a range of project specific trucks and vehicles, each installed with specialized cranes to flexibly meet different transportation and delivery needs. Our drivers have years of driving and crane operation experience, ensuring safe and efficient on-site operations, unloading and placing goods at the customer's designated location.

Diverse Trucks and Cranes:

Our fleet includes a wide range of trucks and cranes, which can be configured and adjusted according to the specific needs of our customers. This diversity ensures that we can provide the most suitable transportation services for each client, meeting various transportation requirements.

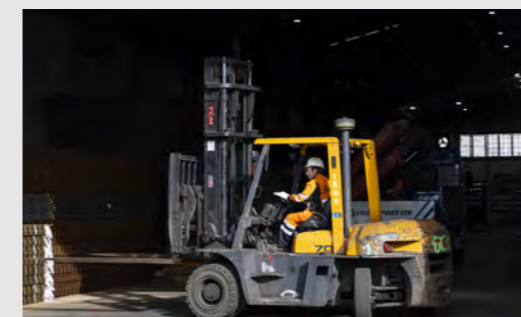
Customer First:

We believe that clear communication and a precise understanding of customer needs are the foundation of providing high-quality service. Therefore, our team engages in detailed communication with customers before each transportation task, developing the most suitable transportation plan.

Safety and Efficiency:

We always prioritize safety and efficiency, as our professional team strictly adheres to safety standards throughout the transportation process, ensuring that every task is completed smoothly. At the same time, we continuously optimize our transportation processes to provide services to our customers as quickly as possible, helping them solve problems.

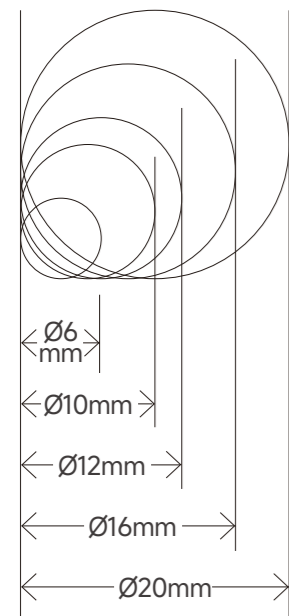
Choosing our transportation service means choosing a professional, reliable, and efficient team. We are committed to ensuring that your goods arrive safely and on time at their destination.



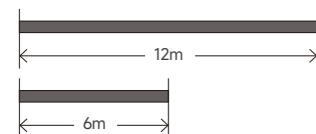
Round Reinforcing Bar



Stock diameters



Stock lengths



Product Code	Ø Diameter (mm)	Cross Sectional Area (mm ²)	Stock Length (m)	Bundle QTY
Grade 300E				
R10	10	79	6	Available on indent
R12	12	113	6	280 pcs / 1470 kg
R16	16	201	6	210 pcs / 2000 kg
R20	20	314	6	134 pcs / 2000 kg



Product Code	Ø Diameter (mm)	Cross Sectional Area (mm ²)	Stock Length (m)	Bundle QTY
Grade 500E				
HR6	6	28	6	Available on indent
HR10	10	79	6	Available on indent
HR12	12	113	6	280 pcs / 1470 kg
HR16	16	201	6	210 pcs / 2000 kg
HR20	20	314	12	134 pcs / 2000 kg



*Other unlisted bar can be customised to order.

Round rebars are often used when creating ligatures or applying rebar dowels to structures or projects, as well as to reinforce other bars, and separate mesh in the concrete.

Brilliance Steel supplies reinforcing round bar 300E and 500E.

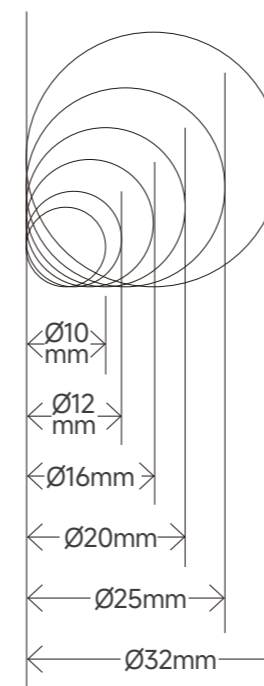
Specification: Manufactured to AS / NZS 4671: 2019

Coil is also available.

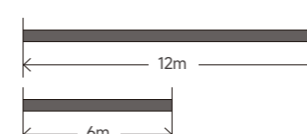
Deformed Reinforcing Bar



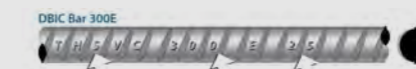
Stock diameters



Stock lengths



Product Code	Ø Diameter (mm)	Cross Sectional Area (mm ²)	Stock Length (m)	Bundle QTY
Grade 300E				
D10	10	79	6	Available on indent
D12	12	113	6	280 pcs / 1470 kg
D16	16	201	6	210 pcs / 2000 kg
D20	20	314	6	67 pcs / 1000 kg



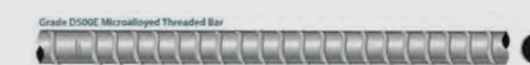
Grade 500E

Product Code	Ø Diameter (mm)	Cross Sectional Area (mm ²)	Stock Length (m)	Bundle QTY
Grade 500E				
HD10	10	79	6	Available on indent
HD12	12	113	6,12	6m: 280 pcs / 1470 kg 12m: 200 pcs / 2100 kg
HD16	16	201	6,12	6m: 210 pcs / 2000 kg 12m: 105 pcs / 1970 kg
HD20	20	314	6,12	6m: 67 pcs / 1000 kg 12m: 67 pcs / 2000 kg
HD25	25	491	6,12	6m: 43 pcs / 1000 kg 12m: 43 pcs / 2000 kg
HD32	32	804	12	26 pcs / 2000 kg



Reid Bar Grade 500E

Product Code	Ø Diameter (mm)	Cross Sectional Area (mm ²)	Stock Length (m)	Bundle QTY
Reid Bar Grade 500E				
RB12	12	113		Available on indent / N/A
RB16	16	201		Available on indent / N/A
RB20	20	314		Available on indent / N/A
RB25	25	491		Available on indent / N/A
RB32	32	804		Available on indent / N/A



*Other unlisted bar can be customised to order.

A deformed bar is a type of steel reinforcing bar that is designed to be deformed by mechanical or hydraulic means before installation.

Specification:
Manufactured to AS / NZS 4671: 2019

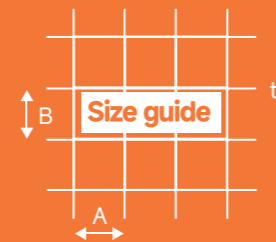


Mesh

Mesh reinforcement is the process of using welded metal wire fabric as a reinforcement for structural concrete elements such as concrete slabs and walls. Reinforcing mesh usually comes in a rectangular or square grid pattern and is produced in flat sheets.

Specification:

Manufactured to AS / NZS 4671: 2019



HARD DRAWN MESH

Name	t: Bar Diameter (mm)	A&B: Pitch (mm)	Length (mm)	Width (mm)	Mesh Weight (kg)	Lap Length (mm)	Net Cover (m ²)
668 STD	4.0	150	4510	1960	12.22	200	7.53
665 STD	5.3	150	4510	1960	21.46	200	7.53
663 Large	6.3	150	5870	2120	42.30	200	10.74
661 Large	7.5	150	5870	2120	59.94	200	10.74

DUCTILE MESH

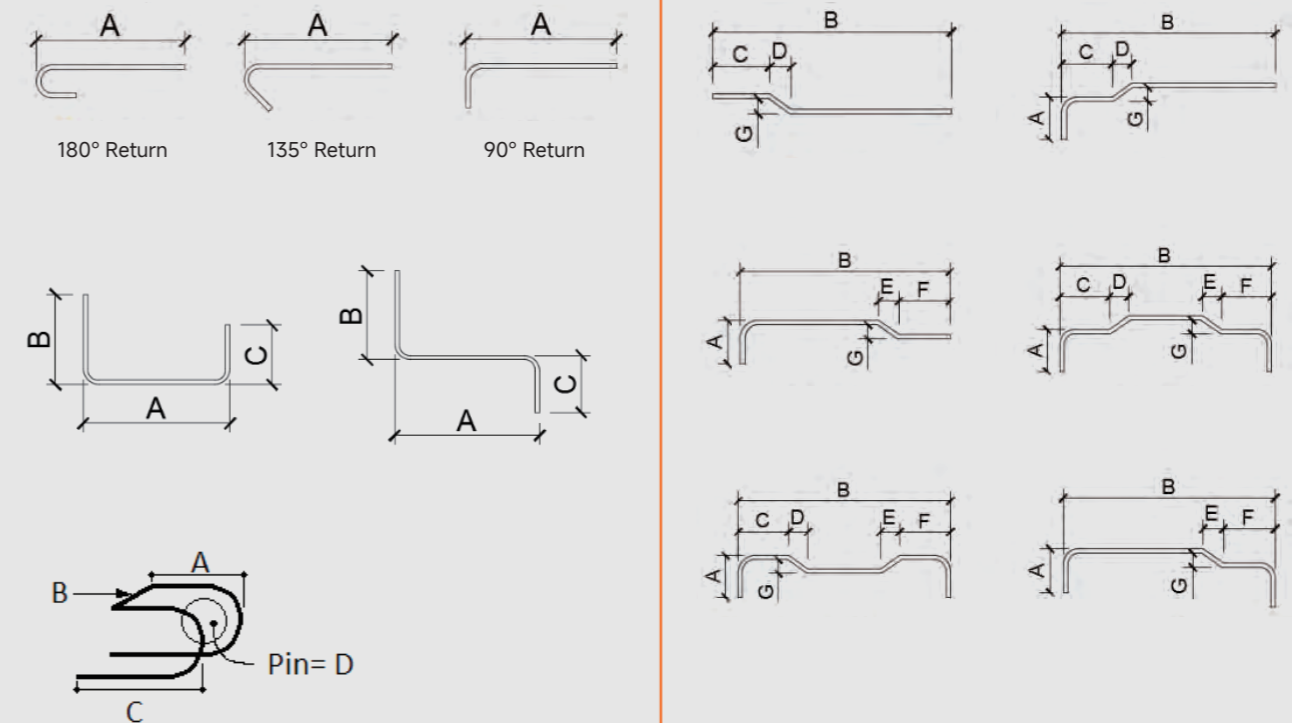
Name	t: Bar Diameter (mm)	A&B: Pitch (mm)	Length (mm)	Width (mm)	Mesh Weight (kg)	Lap Length (mm)	Net Cover (m ²)
SE62L	6.1	200	6100	2430	35.30	200	12.36
SE72L	7.0	200	6100	2430	46.40	200	12.36
SE82L	8.0	200	6100	2430	61.00	200	12.36
SE92L	9.0	200	6100	2430	77.20	200	12.36

*Lap length refer to engineer's design.

Cut & Bend Shapes



Bend Shapes



Brilliance Steel can customize bars to the shapes suit for your projects, all complies with AS/NZS 4671:2019.

Details could be discussed further.

Cut & Bend Shapes

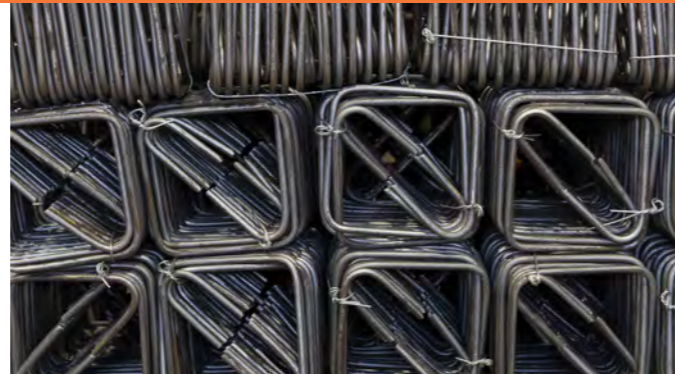
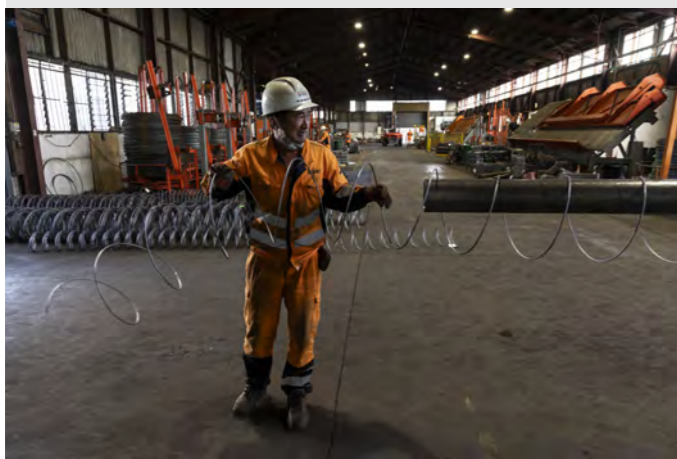


Spiral & Single ring

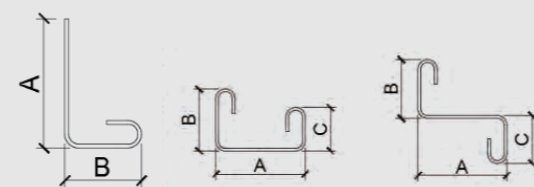
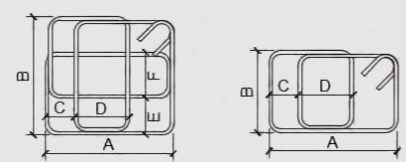
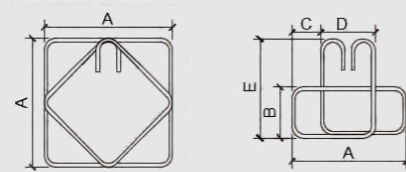
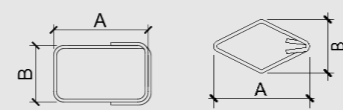
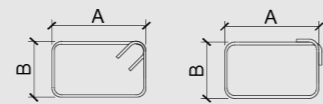
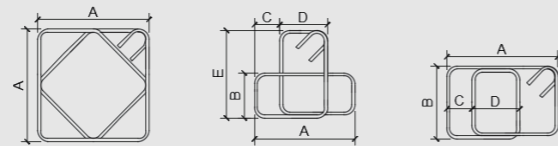


Unhooked

Hooked



Stirrup



Reinforcing Accessories



Bar Chairs & Spacers

- 25/40 | 50/65 | 75/90 | 85/100
- Concrete chairs
- Circular spacers
- Double layer chair G150/160
- Precast chair
- Steel chair



Bar Chair



Concrete Spacers



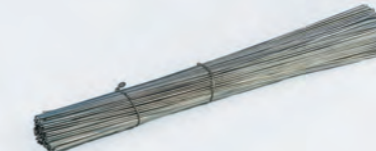
Circular Chair

Tie Wires

- 1.6 x 230mm (1kg Bundle)
- 1.6 x 300mm (1kg Bundle)
- 1.6 x 400mm (1kg Bundle)
- Tie wire coil (1.5kg/coil)
- Galvanized tie wire 300mm(1kg Bundle)



Tie Wires



Galvanized Tie Wires



Tie Wire Coil

Black Polythene



- 100m² (4 x 25 metres)
- 200m² (4 x 50 metres)
- Black Tape

OUR PRODUCTS

Brilliance Steel Product Guide



Epoxy



Ramset C6



Ramset C8



Hilti RE500 V4

Steel Y Post

- 450mm
- 600mm
- 900mm



Spiral Pipe

Ø300-600mm

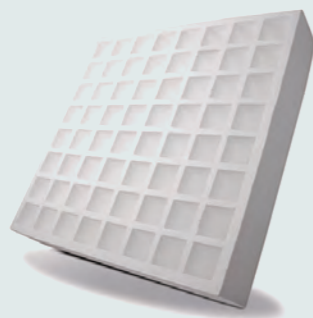


Safety Caps



Polystyrene Pods

- 1100 x 1100 x 220
- 1100 x 1100 x 300
- Unimax Spacer, WJ100 & WJ101



Polystyrene Pods



Unimax Spacer

OUR PRODUCTS

Brilliance Steel Product Guide

Steel Connection System



Reid Bar System

- Components (couplers, flangenuts, half nuts, etc)



Reid Bar System



Reid Bar - Half Nuts



Reid Bar - Nuts



Reid Bar - Frange Nut



Reid Bar - Ramset - TI



Reid Bar - Coupler



BMS System

- Threading
- Components (couplers, flangenuts, half nuts, etc)



IMBMS - System



IMBMS - Coupler



IMBMS - Terminator

Our Projects



Auckland University of Technology



MacMurray Medical Centre



Silverdale School



Amaia apartments



The Antipodean Apartment



Kennards Self Storage Wairau Road



Greenwich Gardens



The Grey



MPI Plant Health and Environment Laboratory



Victoria Lane Apartments



Oceania Waimarie Street Retirement Village



Studio West Auckland

STATS

Brilliance Steel Product Guide



TESTIMONIALS

Brilliance Steel Product Guide



Testimonials

Nearing eight years with Brilliance Steel, quite enjoyable with service of Brilliance Steel team. Well done, Mate!

— Bill, Laura Home and Construction

Brilliance Steel range from minor building works to large scale works and I want to highlight the outstanding attitude of Brilliance Steel team toward communication with resulted in delivery of high quality projects.

— Jason McDonald, Site Manager

Brilliance Steel is always friendly and positive. Quotes are easy to get and Brilliance are great with deliveries. The customers I have are very happy with the steel provided to site.

— Nikki S, Albany Timber ITM

On completing the Sylvia Park SEM project, Naylor Love Auckland Limited undertook the task of evaluating the performance of the sub-contractors on this project. Brilliance Steel was one of only six sub-contractors who achieved the best possible rating of “Top Rated Contractor” based on eleven categories.

— Marty Johnstone, Project Manager, Naylor Love

I really enjoy working with the team from Brilliance Steel, their steel fixers are awesome, and the process between us is smooth.

— Matthew Street, Project Manager, Clearwater Construction

We would like to congratulate and thank you for your effort and contribution towards making this a successful Naylor Love project and would be more than happy to recommend your company to future clients.

— Clive Simpson, Project Manager, Naylor Love



The Numbers



100%
And the most important one, we have 100% commitment to everything we do.



1,000 Tons
We distribute more than 1,000 tons of reinforcing steel a month.



10,000 Sites
We've worked on about 10,000 sites.



100 People
We directly and indirectly employ close to 100 people.



1,000 Customers
We have almost 1,000 customers.



Brilliance STEEL

Quality And More.

PRODUCT GUIDE 2024

Ellen Wu

-Director

ellenw@brilliancesteel.co.nz

021 269 9655

Mike Hou

-Contracts Manager

mikeh@brilliancesteel.co.nz

022 366 0428

JJ Zhong

-Director of Sales & Marketing

jjzhong@brilliancesteel.co.nz

021 256 5885

Lisa Cui

-Sales Manager

lisac@brilliancesteel.co.nz

022 309 9506

Sera Liu

-Sales Manager

seral@brilliancesteel.co.nz

027 214 5116

