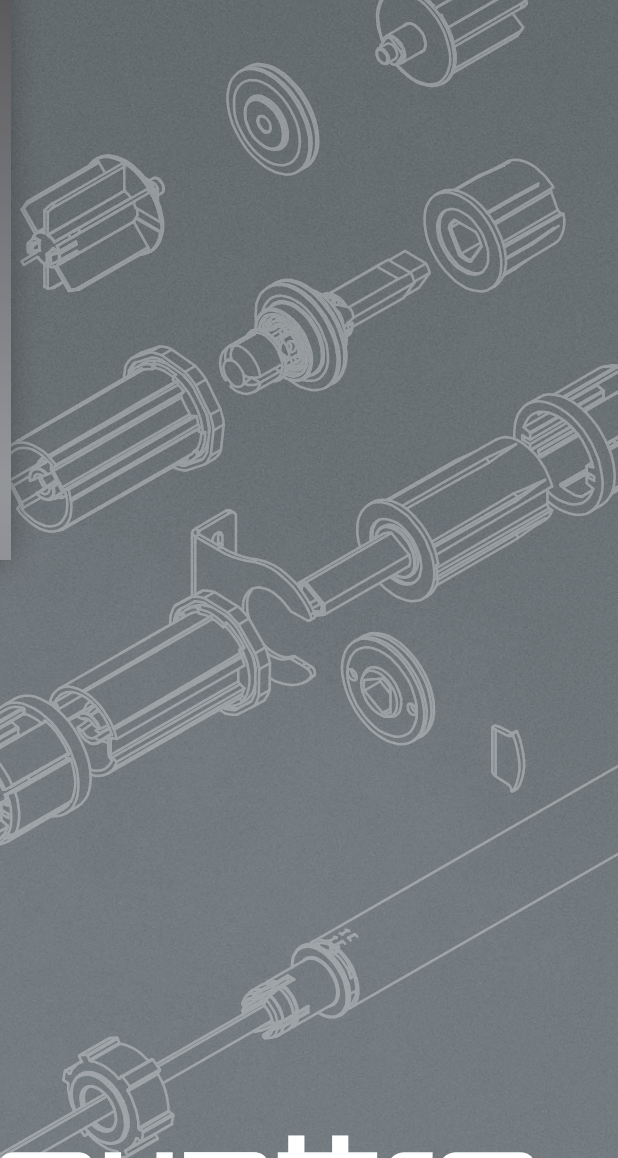


SUN BOSS

BETTER
BY
DESIGN



quattro

2018
ROLLER SHADE
SYSTEM



Quattro understands roller blinds/shades and what is needed to create a successful roller shade system. Having operated for more than 10 years in Australia as a leading independent supplier of systems and parts, Quattro set about the development of **SunBoss** in 2015 after years as development leader for some of the world’s leading brands.

The brief was simple. Create a product range that was modular and offered unique flexibility, reliability, smoothness, quietness and lightness of operation. Create a system that met key cost targets that allowed fabricators and retailers to be competitive. Create a system that generates profitable sales opportunities for Quattro customers.

From this brief, **SunBoss** was born.

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SunBoss is a roller blind system that has been designed with blind manufacturers, retailers and the end consumer in mind. It delivers the latest roller blind system technology for easier manufacturing, smoother functionality and a quieter, better experience for residential and commercial users.

MODULAR BY DESIGN



At the heart of the **SunBoss** system is its modularity. Why does this matter? Customers can achieve better functionality and easier installation with fewer parts. We lighten the inventory load as our components work together where usually a suite of parts in different sizes would be required to achieve the same outcome. **SunBoss** has been designed to make the lives of our customers easier, while achieving superior functionality with every installation.

10 YEAR
WARRANTY
ON ALL SUNBOSS HARDWARE

**World-class fully featured
systems designed in Australia**

SUNBOSS CLUTCHES



The clutch is the heart of the roller blind, and **SunBoss** clutches are different from any roller blind clutch you have seen before.

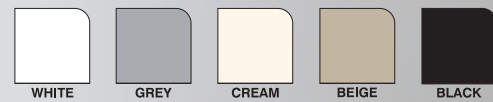
Our clutches have been designed to operate with the lightest touch, provide maximum strength and minimise light gaps.

- **Versatile.** Direct drive clutches for everyday use and geared clutches for larger blinds. The geared clutch utilises our unique HardCore™ metal core technology that surrounds the core of the clutch to make it smoother, quieter and more durable for the long term.
- **Smooth, quiet, reliable.** We've eliminated the chain guard for smoother and quieter performance and less damage in transit. We also use a Stabiliser Bar to keep the clutch firmly in the brackets for smoother operation.
- **Stability with easy operation.** Our clutches are made using UV stabilised, glass-filled nylon. Inside the direct drive clutch are 4 small springs with a square profile wire, which means little effort is required to create strong breaking effect.
- **Modular.** Almost every component is universal fitting. Spring assists fit both larger clutches. Both larger clutches are sized to fit directly into a 38mm tube, or larger tubes using tube adapters.
- **Flexible.** Suitable for use with 38mm, 43mm, 50mm and 63mm tubes, using tube adapters.
- **No fuss.** Easy two-stage opening that is quicker and easier to fit chains - no screwdriver required.



Lift capacity:	Small	Standard	Geared
Weight	4.5kg	8kg	11kg

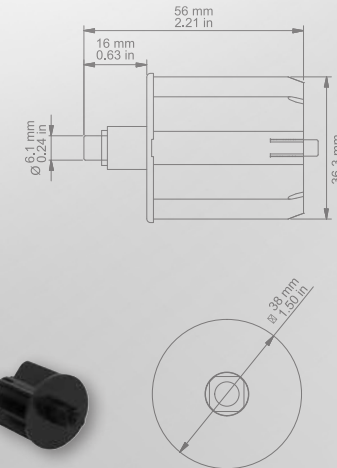
SunBoss
contemporary
colours



The **SunBoss** system includes a range of pin ends suitable for all tube sizes.

The range includes standard duty, heavy duty (for bigger blinds) - both modular and can be operated with tube sizes from 38mm up to 63mm. There is also a dedicated pin end for 32mm tubes.

SunBoss pin ends have an extended stroke/plunger distance for easier installation, and the glass-filled nylon construction ensures they will last the distance.



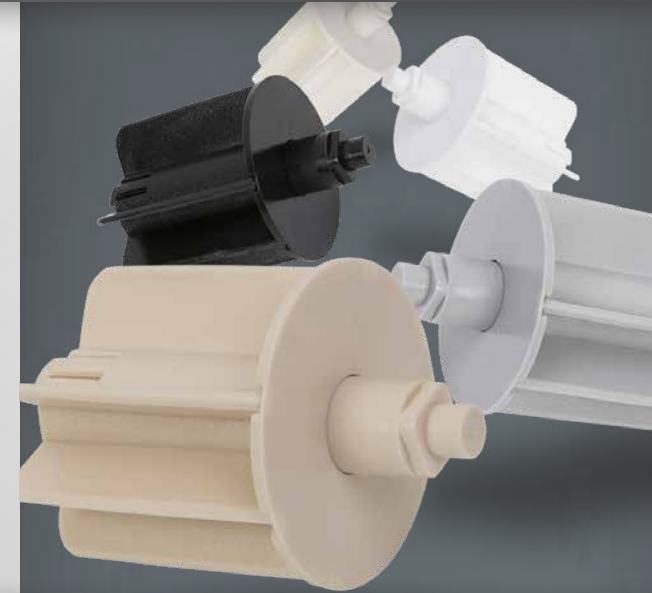
Some products are timeless, like the **Holland Spring** blind.

SunBoss features two different spring strengths, allowing Holland Spring blinds to be made from very small to 3.0mtr wide using 50mm tube. An optional speed reduced spring is available in each size, allowing the blinds to raise at a controlled speed to avoid problems with over-rolling the tube.

Springs are configured for LH operation and can easily be used for either standard or reverse rolled blinds. The **SunBoss** Holland Spring works with all **SunBoss** standard brackets, including fascia and cassette and is designed to allow easy production of cost effective, child safe blinds.



PIN ENDS



HOLLAND SPRING



SPRING ASSIST

The spring assist does the heavy lifting, so it needs to be in shape. The **SunBoss** spring assist has been designed to be quieter, smoother and stronger.

The **SunBoss** spring assist is available in Light, Medium and Heavy duty versions designed to work with all common blind sizes. Just adapt to different tube sizes using the simple to fit support wheels made for 38mm, 43mm, 50mm and 63mm tubes.

Simple & Safe.

The **SunBoss** spring assist holds the tension without any risk of unwinding. This means it's safer to work with and the specified tension is maintained right through to the completed installation.

Smoother and Quieter.

Foam surrounds the aluminium shaft to reduce noise as the spring operates, and rubberised wheels run smoothly and quietly inside the tube (wheels available for each tube size). The outer sheath also utilises soft rubber making the **SunBoss** spring assist much quieter and smoother.

The latest in roller blind technology takes shape in the form of **ZeroGravity**.

ZERO GRAVITY

- Perfectly balanced by design
- Perfectly weightless in operation
- The next generation of roller blinds

ZeroGravity is a new and unique spring technology (patent pending worldwide) that allows the spring tension to be quickly and simply adjusted to always perfectly match the weight of the roller shade, no matter what width, fabric weight or tube size. As a result, the roller shade always remains in perfect balance, never heavy to lift nor tightening at the top or bottom of travel. **ZeroGravity** fully integrates into all **SunBoss** brackets, which means it works with single blinds, double blinds, fascia, cassette, rail systems etc.

Chain Operation - Light, Smooth & Effortless

Attach the **ZeroGravity** spring to a **SunBoss** clutch to transform your roller shade into something truly effortless to operate - no matter how wide, what fabric weight or what tube diameter.

Chain Free Operation - Child Safe with Zero effort

Use the **ZeroGravity** spring to create the perfect chainless blind that can be raised and lowered with the lightest touch. No chain required. Perfect for family homes.



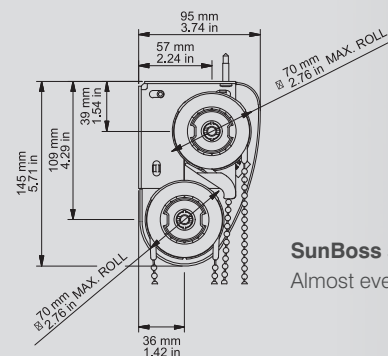
SUNBOSS BRACKETS



SunBoss boasts a full suite of end brackets like no other system.

The brackets don't just hold the components of the blind together - they enhance the whole system and can make all the difference in simplicity, functionality and operation.

All **SunBoss** brackets are designed to provide easy installation, perfect functionality and a clean, stylish look. All brackets are universal in nature and operate in different ways that make sense. The brackets can accept the clutch, the pin end or even both in a head to tail configuration. Covers are available for all exposed brackets, further enhancing system finish.



SunBoss suite of end brackets:
Almost every problem solved in one product range.



Single brackets
40mm, 55mm and 75mm projection.



Double brackets – Vertical compact and Double recess design (suit min. 150mm ceiling recess).

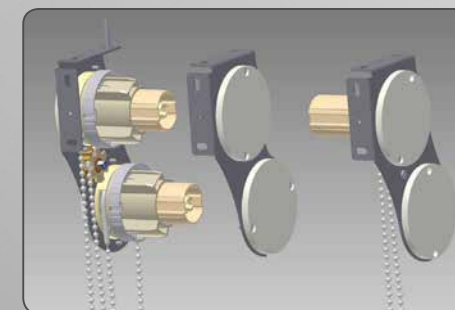
SunBoss
contemporary
colours



SunBoss MEGA - System

Dedicated for the fabrication of large single and double blinds using 63mm tube (using large roll diameter). **SunBoss** MEGA-system brackets include many features that make them ideal for fabrication of extra-large roller shades greater than 3mtr (10') wide.

- Capacity for extra-large roll diameter to 80mm (3.15").
- Large foot size for greater stability.
- Low friction ball bearing idler for quiet, smooth operation.
- Magnetic end covers for fast fitting and stylish appearance.
- Unique chain guides to ensure no chain rubbing or noise.
- Centre bracket option available.
- Compatible with **ZeroGravity**.



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colours



SUNBOSS MEGA - SYSTEM

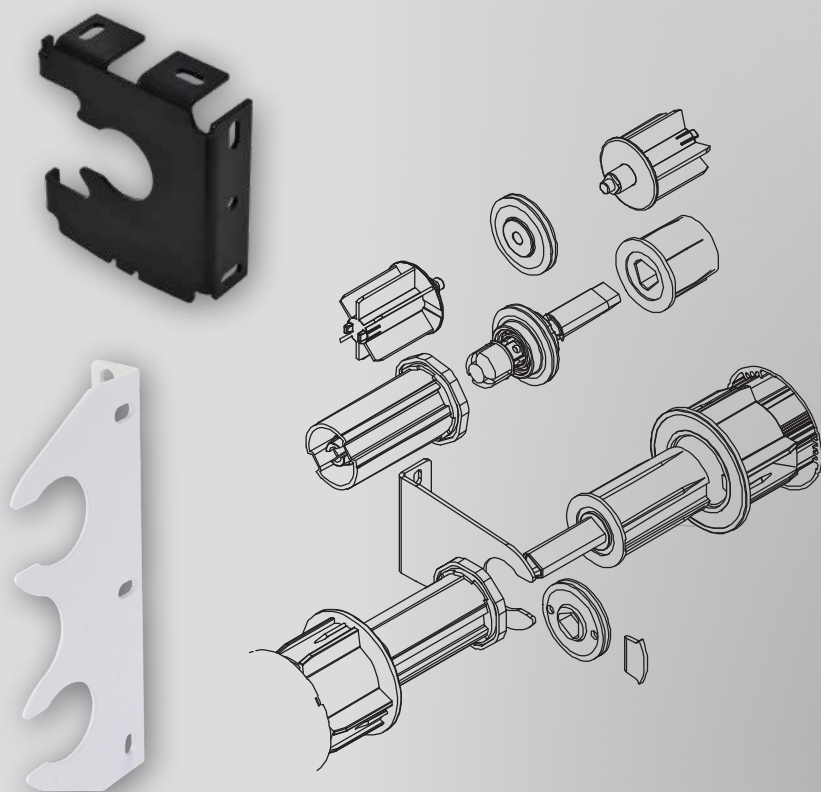


CENTRE BRACKETS

Flexible and modular, our centre brackets make total sense. The secret is the insert system.

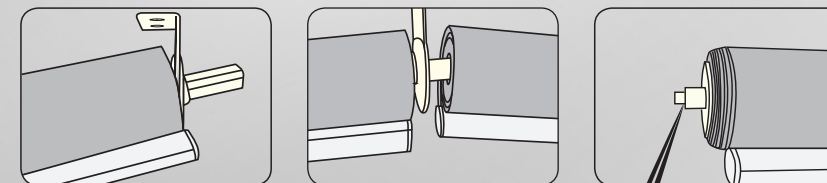
Using a common metal bracket, the insert can be changed to create independent links (pin to pin connections), linked blinds (multi-links) and universal joint coupling for use in bay windows etc... It takes multi-function to a new level. When coupled with our adjustable link drive, levelling base rails has never been simpler. Just turn the adjustable link and base rails become level in seconds, even when used in bay windows.

There are centre brackets available to fit our fascia and cassette systems. The flexibility of the **SunBoss** system allows us to provide customised bracket solutions where required, and solve all installation problems quickly and cost effectively.



SunBoss multi-link system.

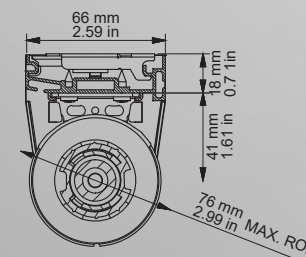
The multi-link system is stronger, more modular and simpler to install. Use the same parts with any tube size from 38mm to 63mm, even with bay windows. The retracting drive shaft saves time and makes for quicker, easier installs. Safely link blinds to 8 metres wide, even on a 50mm tube!



The SunBoss top rail mounting system is all about flexibility.

Often it is hard to fit end brackets at the end of the blind, sometimes impossible. The **SunBoss** top rail system allows simple installation in situations where timber or metal battens don't align with normal bracket locations. The top rail system features brackets that slide into any position along the top of the profile to then coincide with best fitting position.

Top rail brackets can also be fitted well before the blind needs to be installed (no matter what the state of the site), so the blinds can be pre-fitted to the track in the factory and simply snapped into place on the brackets on site within seconds.



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contemporary
colour



WHITE

SUNBOSS MULTI-LINK



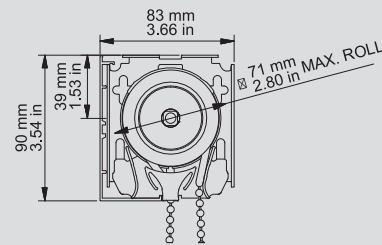
RAIL MOUNTING SYSTEM



SUNBOSS FASCIA

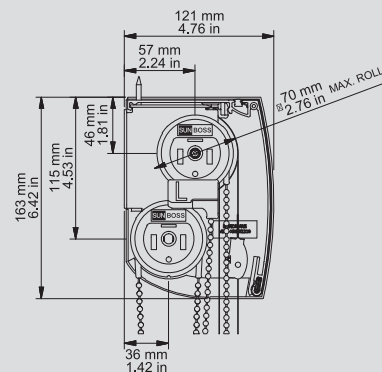
The **SunBoss** fascia creates a clean, modern finish that enhances any installation, residential or commercial.

Fascia is a product that is essential in today's minimalist living environment. It immediately enhances the finish of any roller shade installation, especially when the fabric utilises energy-efficient white or silver backing colours.



75mm Fascia

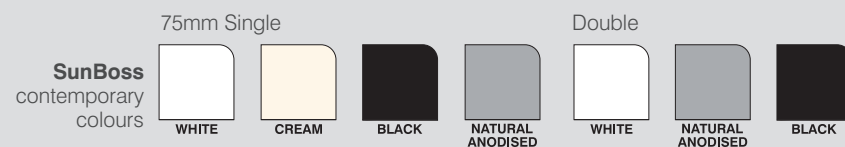
Available in square and rounded profiles, customers can opt for the look that completes their interior design. Simple to use and easy to install, single fascia is cost effective and looks great.



Double Fascia

The **SunBoss** double fascia finishes a roller blind system perfectly, so residential or commercial users can achieve a finished look across the entire window.

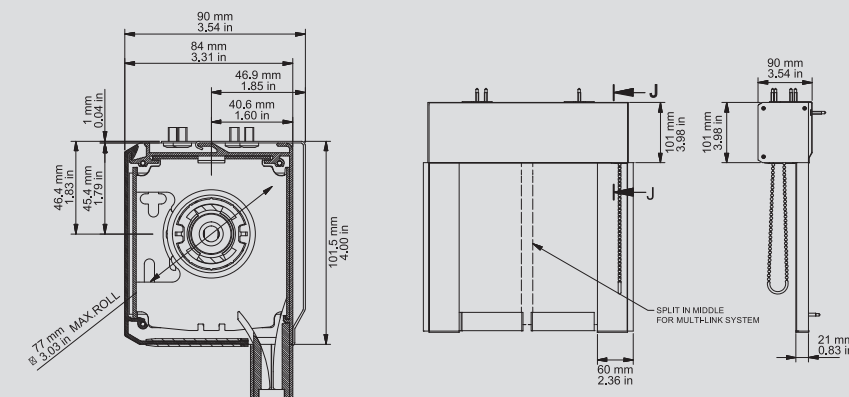
Easy to work with - the double fascia can be easily fabric wrapped, so it matches the blind colour perfectly.



With the **SunBoss** cassette you no longer need to compromise when it comes to blackout blinds – on style, appearance, performance or flexibility.

This sleek system offers attractive contemporary looks and total light blocking design.

- **Stylish.** Modern square line shape with metal end covers perfectly matched to the finish of the headbox and side channel profiles.
- **Versatile.** Compatible with all **SunBoss** roller blind components, including **ZeroGravity** and Holland spring systems.
- **More lift options.** Easily configured for chain, chainless or motorised (AC or DC) operation. Link brackets provide extra flexibility.
- **Unique.** Interlocking system between front and rear headbox profiles. Clasp grip means powder coat build up no longer a problem.
- **Flexible Mounting.** Bracket or direct mounting options.
- **Light blocking.** Fully overlapping joints allows near zero light pass.
- Option for side channel + base rail or full wrap around channel design



SUNBOSS CASSETTE



SUNBOSS MOTORISATION



All your motorisation needs can be met with the SunBoss system.

What is important to consumers when it comes to motorised blinds? They need to be quiet, simple and reliable to operate. We have taken this knowledge and ensured that every bracket in the **SunBoss** range can be easily motorised. Simply fit the adapter disk to the motor head and the motor easily fits any **SunBoss** end bracket.

Our unique rubber crown and rubber drive wheel kits significantly reduce noise emanating from almost any brand of tubular motors, including Somfy. Our reduced noise levels will only be beaten by expensive quiet motor technology.



Customer Service - one of our greatest strengths.

At Quattro we consider our service levels to be one of our greatest strengths. We are quick to respond, and focused on customer satisfaction.

We also know our stuff – providing customers with a range of specialist tools to reduce risk and make partnering with us simple – so you can get on with running your business.

Our Blind Analyser is used by many companies to calculate a wide range of key parameters for all size roller blinds. Our bill of materials calculator gives precise lists of parts and production costs for almost every possible configuration of roller blind. All tools run on MS Excel have been designed to be simple to use.

Quattro also offers customers access to our exclusive Cloud based “**SunBoss** Resource Centre”, a huge store of product information, images, schematics and product drawings - all available as needed 24/7.



SUNBOSS SUPPORT TOOLS

Roller Blind Analyser

Ver 56, 11/05/2017

Material Name	Fabric Weight (gsm)	Fabric Thickness (mm)	Width (mm)	Drop (mm)
Std 500gsm fab	500.0	0.50	3080	3800
Tube Diameter (mm)	Chick Type	Bottom Rail Wt. (gms)	Number of Links	Spring Assist Recommended
Sunboss 63mm	S8-01 (SUNBOSS)	Deluxe Oval (3)	No Links	
Recommended Clutch: Choose From - S8-01, SB01G				
Fabric Wrap Length (mm)	Min. Rail Dia. (mm)	Base Rail Weight (gms)	Shade Wt. (kg)	Deflection (mm)
307.6	66.8	376	11.42	5.46
Moment of Inertia, m ⁴	Max. Rail Dia. (mm)	Max. Torque (Nm)	Reduced Torque (Nm)	Deflection %
1.806E-07	82.925	2.296	0.135	0.179%
Wrinkle Severity	0.000	Tube Loading Factor	79%	
System is acceptable with an appreciable deflection				
NOTE: The longer the drop length the more of an effect the wrinkle will have.				
SPRING ASSIST PROPERTIES				
Raw Pull Force Without Spring Assist, kg	Optimum Pull Force, kg (Adjusted to zero Pull)	Pre-Release Torque for Spring Assist	Select Spring Assist Setting	
8.8	3.8	3.2	Zero Gravity	
OTHER STATISTICS				
Chain travel required for full operation	Shading, Tube Rotations Total Spring Rotations	Spring Assist Pull at Bottom of Travel, kg	Spring Assist Pull at Top of Travel, kg	Custom Spring K-Value
2420mm	16.3	0.5kg	0.5kg	6.118 Nm/Rev
74% Blind Drop	19.6			
Tube Alloy Strength Coefficient (GPa)				
Std Alloy - T6	6.917E+10			



Based in Melbourne, Australia, Quattro is a supplier of internal blind systems and components for the world market. Since being established in 2006, Quattro has emerged to become one of Australia's leading independent hardware system suppliers, as well as a significant supplier of fabrics and motorisation systems. This holistic view of the blind provides us with a unique and capable focus on product developments that assist the practical manufacture, installation and use of internal window blind systems. Systems are designed for the world market and offer many intrinsic advantages over other products.

Our other blind systems and products include:

- Screen Fabric
- Wood venetian
- Panel track
- Blockout fabrics
- Aluminium venetian
- Motorisation
- Commercial fabrics
- Accessories

Quattro Shading

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