

# HunterDouglas QUANTUM® ROLLER BLIND HARDWARE

Product Information



# QUANTUM<sup>®</sup>

Roller Blind Hardware

Globally Inspired,  
exquisitely crafted,  
inherently strong &  
made for Australia.

*With a focus on innovation, design, functionality and style, Hunter Douglas Australia in conjunction with the worldwide Hunter Douglas Group have developed an innovative roller blind hardware system that delivers a smooth and reliable operation for any project requirements.*



**Quantum is an innovative roller blind system that includes:**

- Child Safe Solutions
- Smooth & Light Operation
- Inner Strength
- Quality Aesthetics
- Ease of Assembly & Installation
- Complete Suite of Quality Products



# Key Features & Benefits

## Sleek Finish

Bracket covers have been developed to ensure a high quality sleek finish for all blinds. Perfect for all face fit installations.

## Universal Brackets

Two bracket sizes are available, 38mm and 55mm. All brackets are universal, ensuring incorrect components are no longer an issue for installation, as well as assisting with reducing inventory.

## Removable Chain Mechanism

A standard clutch is available with two ratio mechanisms; 1:1 and 1:1.75. An award winning metal clutch design with a 1:1 ratio mechanism is also available.

Chain drive is easily removable and can be shipped as a separate unit to minimise transit damage as well as help the installation process.

## Headbox & Side Channel

A sleek and contemporary headbox and fascia system is available in 2 size options (89mm or 100mm) in Anodised, Black, White, and Magnolia with colour coordinated endcaps.

## Dual Rollers

Two compact dual bracket designs are available:

- The standard (under) roll configuration ensures the blind skin can be fitted close to the window minimising light into the room.
- The reverse (over) roll configuration provides a self-pelmet effect, covering the low blind and is available with same side controls.

Both dual brackets have universal mounting options (top or face installation) and can be used in conjunction with the linking systems.

## Child Safe Solution

Reveal and Face Fit Chain Tensioners are available in all four Quantum hardware colours to provide the perfect child safe solution for chain drive systems.

The internal wheel is made from polycarbonate plastic that has been moulded with rubber to dampen chain noise. The internal space is also wider to help prevent contact with the external housing reducing any additional noise.

## Aluminium Tubes

Three robust aluminium roller tubes have been engineered for minimal deflection and large expanses - 37mm, Heavy Duty (HD) 37mm and 50mm.

The option of 37mm and HD37mm tubes allows you to create a uniformed look throughout the project across various widths.

The skin can be applied to both the HD 37mm and 50mm tubes with either tape or spline.

## Faultless Idle

The unique idle component provides an additional 14mm of tolerance for correction of measuring and installation mistakes when required. The idle component also features a locking ring for ultimate safety.

The locking ring idle end is used for linked systems and blinds using a spring booster to secure the roller in place.

## Integrated Leveller

The integrated product leveller allows the installer to adjust the blind for windows that are not square. Alternatively this can be used to adjust the intermediate opening on linked blinds.

## Linking Options

Two standard linked system options are available:

- The Aligner Set, maximises flexibility during installation with a fine adjustment option for aligning the tail blind.
- The Connector Set, minimises the intermediate light gap on linked configurations.

Uniquely both linking systems have 15° play for added flexibility during installation. A 45° and 90° linked mechanism is available for bay window installations and an independent linking option is available for configurations that require multiple operation.



QUANTUM®  
**Standard**  
Roller Blind System

Comprises a range of quality  
componentry, designed to deliver smooth  
and reliable operation.





## QUANTUM® **Linked** Roller Blind System

A 45° and 90° linked mechanism are available for bay window installations. An independent linking option is available for configurations that require multiple operation.





## QUANTUM® Dual Roller Blind System

Double the blinds, double the options. Two compact dual brackets are available for when more than one fabric opacity type is desired for the window.





## QUANTUM® Headbox Roller Blind System

Featuring a slimline and contemporary design, the system is available in a 89mm or 100mm headbox and fascia option in Anodised, Black, White, and Magnolia with colour coordinated endcaps.

The headbox and fascia features a snap lock cover for easy installation in reveal or face positions. The 100mm headbox and fascia features a unique endcap design to secure the front cover with a screw that is concealed within the end cap.

*The headbox system can be installed with side channels for a complete blackout solution.*

A 100mm headbox option supports larger window drops with thicker roller blind fabric.

*Provides maximum drops of up to 3.3 metres on the 50mm tube using the thickest fabric 0.85mm. Longer drops possible on thinner fabrics (up to 5 metres) for 0.5mm thickness.*



## The Quantum evolution continues with a choice of three clutch options to suit your project requirements

The designer metal clutch is the pinnacle of chain mechanisms. Boasting aesthetics, quality and functionality, it creates our **Premium Clutch Offer**.

### Metal Clutch

Introducing the Premium Metal Clutch 1:1 ratio chain drive with designer appeal. Featuring durable Zamac (zinc, aluminium, magnesium and copper -alloy) housing with a high quality polished chrome finish, the metal clutch allows for high sound absorption due to two interiorised plastic components.

*Available with black and grey plastic cover options to suit a wider range of fabric colours.*

### Hybrid Clutch

It is no longer necessary to choose between style, function and affordability with our Hybrid Clutch offer. Our standard clutch with 1:1 and 1:1.75 ratio mechanisms can be paired with a pearl chrome bracket made from Zamac as an added design statement.

*The clutch is available in white, grey, black and magnolia. The plastic cover is available in black or grey.*

### Standard Clutch

Available with two ratio mechanisms 1:1 and 1:1.75 which enables a heavier blind to be lifted without the need of a spring booster. It is also aesthetically pleasing in one size format which is capable of lifting a range of shade weights.

*Available in White, Grey, Black and Magnolia.*



The Designer Metal Clutch intelligent, patented technique and designer aesthetic quality was awarded the "Furniture and Home Textiles" product design award at the 2012 iF design awards ceremony.



# QUANTUM® Light Lift Roller Blind System

Featuring the iconic Quantum hardware design and aesthetic appeal, the latest Quantum addition introduces an innovative spring system for enhanced safety.

## Child Safety

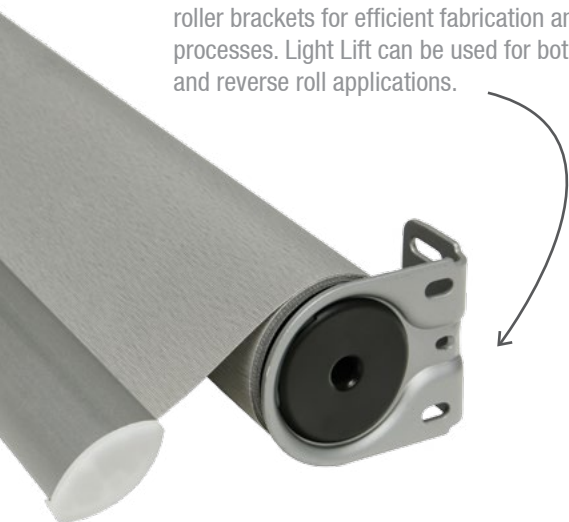
Light Lift is a completely chain free roller blind system providing ultimate child and pet safety.

## Clean Interior Aesthetic

The chain free system provides a clean and tidy interior look with no fixing of chain tensioners required.

## Universal Componentry

The Light Lift system uses the Quantum 37mm tube and standard componentry including single and dual roller brackets for efficient fabrication and installation processes. Light Lift can be used for both standard and reverse roll applications.



## Reduced Light Gaps

The elimination of a chain drive allows the Quantum Light Lift system to have extremely small light gaps of approximately 10mm. The light gaps are evenly balanced for minimal light intrusion in the reveal.



## Simple & Easy Operation

The patented spring system features smooth granular control for precise operation.

The roller blind can be raised or lowered to any desired position using the bottom rail, without the need for complex release mechanisms.

## Optional Handle

Optional operating handle is available in black, white and anodised colour options. Provides a centered lifting point to reduce fabric tracking and easy lifting for reveal fit blinds.





# Key Features

Quantum Light Lift is easy to assemble with only 3 additional components:

1. Light Lift Idle End
2. Bracket Adapter set
3. Innovative Spring

Optional operating handle is easy to install with 3 Components; Light Lift metal handle, clear handle base & screw.

## 1. Unique Light Lift Idle End

A unique ball bearing idle end designed for continual smooth operation of the Light Lift system. An additional 12mm tolerance is offered for measuring and installation corrections if required.

## 2. Convenient bracket adaptor set

Engages the Light Lift Spring for roller blind operation and post-installation tensioning. The two piece adaptor set snaps to a Quantum universal bracket for efficient assembly.

## 3. Innovative Spring

The Light Lift spring can be tensioned in the tube during fabrication, and simply installed on site maintaining its pre-set tensions. Spring tensioning and adjustments can be completed safely without the risk of dangerous spring force.

### SELECTING THE SPRING

Available in 5 spring lengths based on the weight of the blind:

- |                       |                   |                   |
|-----------------------|-------------------|-------------------|
| 1. 540mm (0.4-0.75kg) | 3. 1000mm (1-2kg) | 5. 1700mm (3-4kg) |
| 2. 540mm (0-1kg)      | 4. 1120mm (2-3kg) |                   |

### TENSIONING THE SPRING

A standard 6mm Allen key is needed to adjust and tension the spring mechanism in conjunction with the bracket adaptor set.



QUANTUM®  
**Heavy Duty**  
Roller Blind System

The heavy duty system allows for much heavier blinds and large linked blinds and is best utilised with the Hunter Douglas range of motorisation solutions, providing smooth and easy operation.

A cable guide option is also available to enhance the performance of the Heavy Duty hardware.





# QUANTUM® Heavy Duty Roller Blind System

## Key Features

**The smooth and reliable operation of Quantum has been supersized with the introduction of the Heavy Duty Roller Blind system, offering a complete suite of products for all-sized projects, big or small.**

*The Heavy Duty System allows for much heavier blinds and large linked blinds. It is best utilised with the Hunter Douglas range of motorisation solutions, providing smooth and easy operation.*

The 100mm headbox and fascia option is now compatible with the Quantum Heavy Duty 65mm headbox and bracket.

The Headbox & Facisa system provides a maximum drop of 2.6m when using thickest fabric 0.85mm.

Longer drops are possible on thinner fabrics (up to 3.7 metres) for 0.5mm thickness.

## Robust Strength

The 65mm aluminium tube with inner core strength allows for larger widths of up to 3.8m and drops of up to 5.5m with minimal deflection.

## Universal Bracket System

Two bracket sizes are available - 55mm and 75mm - ensuring the correct bracket can be selected for challenging installations and for maximising the drop capacity.

## Locked & Lenient

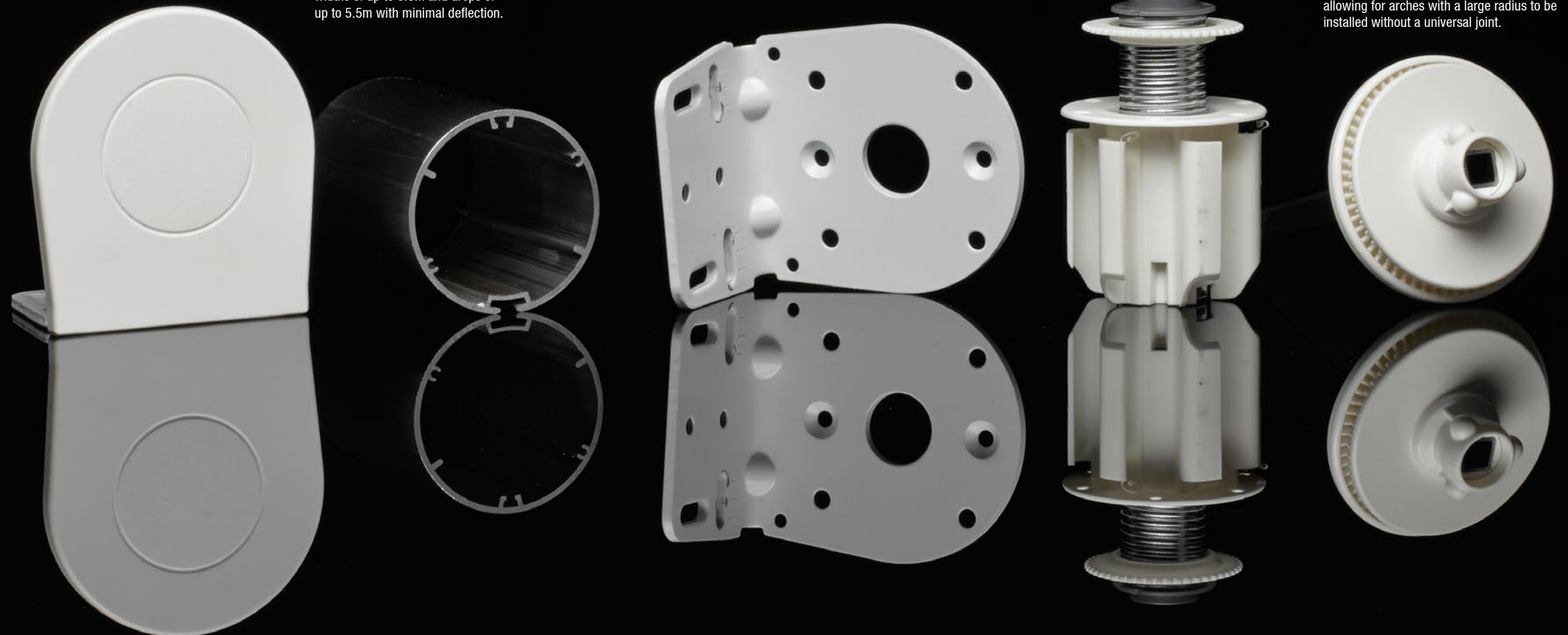
For that extra bit of security, the locking ring secures large and heavy roller blinds in place. The adjustable idle end plug gives an extra 30mm of play, resolving installation problems on site as opposed to having to rework the blind back in the factory.

## Maximum Flexibility

For linked blinds, an aligner set is used to maximise flexibility during installation with an adjustment option for aligning the bottom rails easily to a common height. Straight linked blinds work smoothly up to an angle of 15°, compensating for installation errors and allowing for arches with a large radius to be installed without a universal joint.

## Sleek Finish

Components are offered in both black and white colour options. End caps and screw covers are available for brackets providing a neat finish - perfect for face fit installations.





QUANTUM®

# Heavy Duty Cable Guide

## Roller Blind System

**Complement the designer aesthetics of Quantum Heavy Duty Roller Blinds whilst enhancing the performance, with the addition of the Heavy Duty Cable Guide System.**

### Minimise Light Gaps

Bottom Rail End caps have been specially designed with a slit on the top side to allow fabric to extend further to the edge in order to reduce the light gaps.

### Universal Components

Cable Termination Brackets (standard or extended) are universal so can be used for either face or reveal installations.

### Designer Appearance

The Quantum Heavy Duty Cable Guide components feature designer aesthetics with a brushed aluminium appearance made from durable Zamac (zinc, aluminium, magnesium and copper-alloy).

### Design for Durability

Stainless steel cables are clear coated for increased durability. Spring Loaded Cable Tensioner provides up to 25mm spring-applied tension ensuring cable will remain firm and taut when pressure is applied.

### Heavy Duty Bottom Rail

New contemporary heavy duty bottom rail bar is available in 3 colours – black, white, anodised.



Minimise Light Gaps



Universal Components



Designed For Durability

*Featuring stainless steel wire cables that are clear-coated for increased durability, the system guides the bottom rail providing an even, controlled movement with reduced tracking.*



# ROLLER BLIND MOTORISATION SOLUTIONS

*Quiet, Flexible and Sleek,  
Hunter Douglas Motorisation is your Solution.*

**Hunter Douglas offers a range of premium and low cost motorisation products. We incorporate the best of technology and design to deliver complete solutions for the project, and simple operation for the user.**

Our motorisation options are ideal for use with our QUANTUM® Roller Blind Hardware System, giving you a total solution package that encompasses sleek aesthetics as well as reliable operation.

## COMPREHENSIVE TECHNICAL SUPPORT

Hunter Douglas provides support should you have any technical enquiries or issues in regards to a motorisation project.

## CHILD SAFETY

Motorising blinds is the perfect way to ensure child safety considerations are upheld.

## REMOTES AND ACCESSORIES

Complementing the motorisation selection, Hunter Douglas offers a complete suite of accessories and control options to suit your needs with both style and functionality in mind.

## 5 YEAR WARRANTY\*

All Hunter Douglas motorisation products carry a 5 year warranty\* for peace of mind.



## C-TICK

Our motorisation products comply with the Electromagnetic Compatibility Standards in Australia and New Zealand and carry the C-Tick logo. This ensures our products do not interfere with other electrical devices in the home.



## Never Have to Disconnect Power to a Motor when Programming

HDR motors are capable of being configured with all motors plugged into power. Each motor is added to the remote control much like the bluetooth pairing process of a mobile phone.

## Integrated Connectors

The HDR and HDQ motors offer a moulded integrated connector that plugs straight into the motor head, eliminating bulky in-line connectors or having to leave large holes drilled in the wall. Supply the electrician the power cord in advance, and a small 8mm round hole is all that is required.

## Set Limits Directly Through the Motor Head

HDR and HDQ motors are capable of having their limits set by pressing the buttons integrated into the motor head. Perfect for when you're up the ladder and don't have the remote control.

## The Latest in Radio Frequency Technology

All HDR motors and remote controls communicate via the 2.4GHz frequency in a completely meshed network. This means each motor can talk to all other motors in the network and the remote control in both directions, simultaneously. The end result is superior range and the most reliable remote control network.

## Flexible Installation

The Hunter Douglas Quantum Roller Blind bracket design allows up to 8 ways of rotation of the motor in the bracket, allowing more flexibility with every installation.





