yewdale Defiant®
FABRIC AND BLIND SYSTEMS

A comprehensive range of window blind systems designed with unique technical features and to the exacting specifications that active commercial environments demand.

yewdale.co.uk

Hassle-free shading systems

YewdaleDefiant® the blind systems range

A comprehensive range of window blind systems designed with unique technical features and to the exacting specifications that active commercial environments demand.

All YewdaleDefiant® blinds are carefully built to exacting standards, giving years of trouble free service. The superior design features and quality components enable them to be confidently specified for the most demanding environments.

Child Safety

Compliance with child safety isn't simply a legal obligation, it is a moral responsibility. No one should have concerns over the safety of a blind, and so we exceed what is expected and required of us. All relevant YewdaleDefiant® blinds incorporating accumulation cord/chain controls are supplied fully compliant with current legislation, whether as individual components or as a finished product. Test certificates are available.

It's illegal to supply or professionally install an internal window blind which doesn't comply with the child safety requirements. Blinds fully compliant with BS EN 13120:2009+A1:2014 are confirmed as 'safe by design', and this standard applies to all blinds fitted in all rooms in every home or public space, regardless of whether children are present or not. As a leading commercial blind manufacturer, we ensure our blind systems are as safe as possible. Whilst all our blinds have child safety features incorporated, such as breakaway chains, p-clips, cleats and chain tidies and fully comply with the law, we also offer blind systems that pose no risk at all.

Fabric Range

The YewdaleDefiant® fabric portfolio encompasses a vast range of fabrics and colour schemes; all of which are flame-retardant to current government standards. Fabric types include dimout, blackout, solar reflective, high performance sun-screen, and solar film upon request. A comprehensive range of fabric selectors are available upon request. All fabrics are available in both full roll and cut length quantities, and are distributed globally through a network of dealers and customers providing an unrivalled level of support.

O&M Guide

All YewdaleDefiant® Roller Blinds are low maintenance. The components and mechanisms are made from durable materials and will not corrode through normal use.

In the event of damage, most components are easily replaceable. Fabrics are designed to have high levels of stability and colour fastness.

The full range of YewdaleDefiant®

Roller Blinds 4
The YewdaleDefiant® roller blind range is one of the most comprehensive available, offering everything from vision panel blinds to heavy-duty electric blinds.

ShadeBox® 22
The YewdaleDefiant® ShadeBox® is a recessed box system to conceal roller blinds within spacings between ceiling sections of a suspended ceiling.

Cassetted Blinds 24
YewdaleDefiant® cassetted blinds give a smooth contemporary style to any window, and help to protect the blind fabric.

Blackout Units 40
Offering the ultimate in light exclusion, the YewdaleDefiant® range provides you with 100% light blocking capabilities.

Insect Screens 46
YewdaleDefiant® screens are an important contributor to the quality of life in many situations, both residential and commercial.

Vertical Blinds 50
YewdaleDefiant® vertical blinds are some of the most comprehensive available, ranging from slim, premium profiled units to heavy-duty electrically controlled blinds.

Venetian Blinds 56
YewdaleDefiant® venetian blinds provide a stylish, innovative and diverse shading solution.

Perfect Fit® 60
Stylish Perfect Fit® blinds that are fitted directly to the window or door in minutes.

yewdale Defiant®
FABRIC AND BLIND SYSTEMS

YewdaleDefiant® Roller Blinds

All YewdaleDefiant®blinds are carefully built to exacting standards, giving years of trouble-free service. The superior design features and quality components enable them to be confidently specified for the most demanding environments.

Many YewdaleDefiant® blinds feature vandal-resistant controls and mechanisms, and are frequently seen in hospitals, schools, colleges and other public buildings, as well as regular commercial and residential environments.

The YewdaleDefiant® roller blind programme is one of the most comprehensive available, ranging from miniature spring rollers for door vision panels to heavy-duty electric blinds for large glazed areas. The YewdaleDefiant®fabrics programme encompasses a vast range of fabrics, all of which are flame-retardant to government standards. Fabric types include dim-out, black-out, solar reflective, sun-screen and solar film.

YewdaleDefiant®blinds are available in fully made to measure form completely ready for installing, or in individual component form - for ease of use within any in-house manufacturing facility. The full range is distributed globally through a network of partners providing an unrivalled level of support, and experienced installation and service teams to exceed your expectations.

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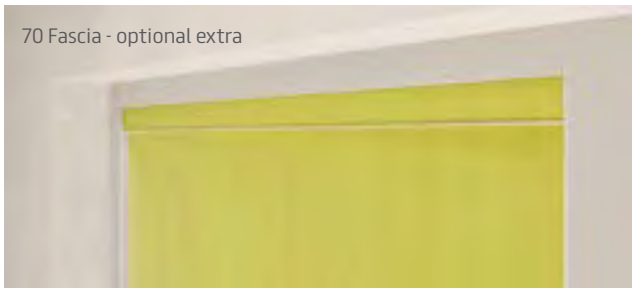
LIFETIME Warranty

This roller blind range comes with a full lifetime warranty as standard.



R20 Sidewinder

Features:

The YewdaleDefiant® R20 sidewinder roller blind incorporates Slipstream® Technology (patent pending) and has a metal control chain as standard. There are white metal universal brackets for face, top or side fixing with a 32mm, 40mm or 45mm grooved aluminium barrel, depending on the size of the blind and fabric weight. Fabric is locked into a groove in the barrel, and features a white plastic bottom bar as standard. The bottom bar is covered with fabric at the front.

Benefits:

Strength and simplicity make the R20 the first choice for a vast range of applications. The choice of barrel size means that the blind is always ideally matched to window size for optimum performance. Vandal resistant features includes Slipstream®: a friction reducing technology - smooth action operation, air cooled design and double spring function - providing you with enhanced hold, exceptional long life properties and advanced chain loading. Metal control chain, fabric locked into the barrel and bottom bar, and sturdy, attractive metal brackets with covers.

Approved to work with the YewdaleKestrel® Anti-Ligature system.
For child safety information see page 3

Options:

32mm Slipstream® mechanisms in black, silver or brown; Extension brackets and bracket covers; Plastic control chain; Alternative bottom bars including fully fabric covered in aluminium or plastic, and Tear Drop aluminium in black, silver or white; Wire side-guiding system; White aluminium back bar; Channel side-guiding system; Fascia; 70 Fascia available in 3 colours, custom RAL on request and with a channel for inserting a fabric strip. Compatible with 32mm, 40mm and 45mm roller blinds (please see 70 Fascia Datasheet for more information).

Specification:

The YewdaleDefiant® R20 sidewinder roller blind incorporating Slipstream® Technology for enhanced hold, advanced loading and exceptional long life properties as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 32/40/45mm aluminium barrel along with white plastic bottom bar. Slipstream® Technology sidewinder control with metal control chain and white plastic bracket covers.

Have you seen our range of fabrics?

Find a matching option from the YewdaleDefiant® range. You'll find it easy to choose.

Standard Barrel sizes

R20 Sidewinder

Width

Drop inches	Drop mm	25½ 650	33¼ 850	41¼ 1050	49¼ 1250	57 1450	64¾ 1650	72¾ 1850	80½ 2050	88½ 2250	96¼ 2450	104¼ 2650	112 2850	120 3050	128 3250	135¾ 3450
37¼	950	32mm														
49¼	1250															
61	1550															
72¾	1850															
84½	2150															
96¼	2450	40mm														
108¼	2750															
120	3050															
131¼	3350															
143¾	3650	45mm														
155½	3950															
167¼	4250															

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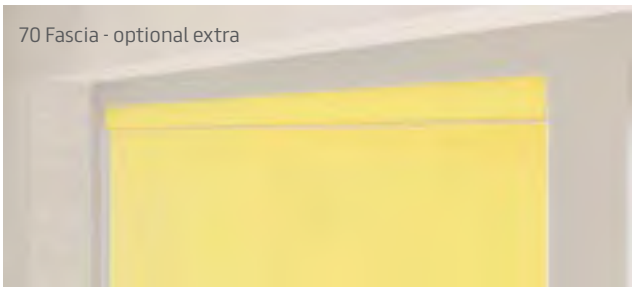
YewdaleDefiant® Roller Blinds



R20B Low Voltage Battery 5v DC

Features:

The YewdaleDefiant® R20B electric roller blind comes with a low voltage battery motor as standard. The white metal brackets have plastic covers, for face or top fixing, on 40mm grooved aluminium barrel. The barrel houses a 5v DC motor with electronic limit stops and a slow stop/start feature. The motor is controlled by a remote switch (not supplied) and can be charged by either a mains charger (one supplied per order) or solar panel. The fabric is locked into a groove in the barrel, and it features a white plastic bottom bar as standard. The bottom bar is fabric covered at the front.

Benefits:

A slim, reasonably priced blind with true fingertip control makes the R20B a perfect choice for motorised requirements including home automation. Its quiet and reliable motor houses a receiver, with simple radio control options operating the blind effortlessly. Housed within the barrel and supported by sturdy, metal brackets with attractive, slim plastic covers the motor is simply charged either by a charger or a solar panel making this one of the most eco-friendly blinds available. The fabric is locked into the barrel and bottom bar and will give years of trouble-free use.

Options:

Fully fabric covered bottom bar; Alternative bottom bars, including fabric covered aluminium, and Tear Drop aluminium in black, silver or white. Group control systems; Wire side-guiding system; White aluminium back bar; Fascia; 70 Fascia available in 3 colours, custom RAL on request and with a channel for inserting a fabric strip. Compatible with 32mm, 40mm and 45mm roller blinds (please see 70 Fascia Datasheet for more information).

Specification:

YewdaleDefiant® R20B low voltage electric roller blind with low voltage battery 5v DC motor as manufactured by Yewdale, +44 (0)1268 570900. Slim motor and spring end is housed within aluminium barrel supported by metal brackets with white plastic covers. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 40mm aluminium barrel along with white plastic bottom bar.

Standard Barrel sizes

R20B Low Voltage Battery 5v DC / R20M Low voltage electric 24v DC

Drop inches	Drop mm	25½ 650	33¼ 850	41¼ 1050	49¼ 1250	57 1450	64¾ 1650	72¾ 1850	80½ 2050	88½ 2250	96¼ 2450	104¼ 2650	112 2850	120 3050	128 3250	135¾ 3450
37¼	950	40mm														
49¼	1250															
61	1550															
72¾	1850															
84½	2150															
96¼	2450	45mm														
108¼	2750															
120	3050															
131¾	3350															
143¾	3650															
155½	3950															
167¼	4250															

BIM model available

R20C Crank

Features:

The YewdaleDefiant® R20C crank control roller blind features a 45mm grooved aluminium barrel and white metal universal brackets for face or top fixing. A robust 1:5 crank mechanism ensures smooth blind control, and incorporates a magnetic detachable crank handle. The fabric is locked into a groove in the barrel, and features a white Tear Drop aluminium bottom bar as standard.

Benefits:

Durability and simplicity make the R20C a good choice for a vast range of applications. The magnetic detachable crank ensures the blind is vandal resistant and safe for areas where cords are a threat. The fabric is locked into the barrel and bottom bar and supported by sturdy metal brackets.

Approved to work with the YewdaleKestrel® Anti-Ligature system.

Options:

Alternative bottom bars including fully fabric covered in aluminium or plastic, and aluminium Tear Drop in black or silver; Wire side-guiding system; White aluminium back bar; Fixed crank handle; Channel side-guiding system; Fascia.

Specification:

The YewdaleDefiant® R20C crank control roller blind with magnetic detachable crank handle as manufactured by Yewdale, +44 (0)1268 570900. Robust vandal resistant 1:5 crank mechanism and pin end supported by white metal brackets. White metal brackets and covers. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 45mm aluminium barrel along with white Tear Drop aluminium bottom bar.

Have you seen our range of fabrics?

Find a matching option from the YewdaleDefiant® range. You'll find it easy to choose.

R20D Double Roller Blind

Features:

The YewdaleDefiant® R20D double roller blind incorporates Slipstream® Technology (patent pending) and has a metal control chain as standard. There are white metal universal brackets for face, top or side fixing with a 40mm or 45mm grooved aluminium barrel, depending on the size of the blind and fabric weight. Fabric is locked into a groove in the barrel, and features a white plastic bottom bar as standard. The bottom bar is covered with fabric at the front.

Benefits:

The versatility of the R20D makes it first choice for a vast range of applications. With the double roller mechanism it allows for different fabric styles or colours to cover one window. Vandal resistant features includes Slipstream®: a friction reducing technology - smooth action operation, air cooled design and double spring function - providing you with enhanced hold, exceptional long life properties and advanced chain loading. Metal control chain, fabric locked into the barrel and bottom bar, and sturdy, attractive metal brackets with covers.

For child safety information see page 3

Options:

Bracket covers; 1:4 Geared mechanism; Plastic control chain; Alternative bottom bars including fully fabric covered in aluminium or plastic, Round aluminium in white or silver and Teardrop aluminium in black, silver or white; Wire side-guiding system; White aluminium back bar; Channel side-guiding system.

Specification:

The YewdaleDefiant® R20D double roller blind incorporating Slipstream® Technology for enhanced hold, advanced loading and exceptional long life properties as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 40/45mm aluminium barrel along with white plastic bottom bar. Metal control chain and white plastic bracket covers.

NBS Source

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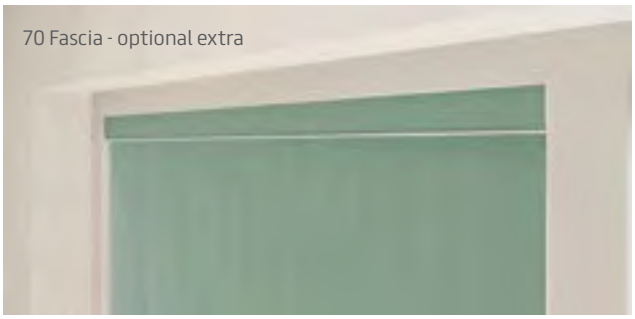


70 Fascia - optional extra

R20M Low Voltage Electric 24v DC

Features:

The YewdaleDefiant® R20M electric roller blind with a low voltage motor as standard. White metal brackets with plastic covers, for face or top fixing, on 40mm grooved aluminium barrel, housing a 24v DC motor with electronic limit stops and a slow stop/start feature. The motor takes a 230v AC supply and is controlled by a remote switch (not supplied as standard). The fabric is locked into a groove in the barrel, and features a white plastic bottom bar as standard. The bottom bar is fabric covered at the front.

Benefits:

A slim, reasonably priced blind with true fingertip control makes the R20M a perfect choice for motorised requirements including home automation. Its quiet and reliable motor houses a receiver and an inbuilt transformer enables a 230v feed to be used, it is controlled by simple remote switches. Housed within the barrel and supported by sturdy, metal brackets with attractive, slim plastic covers. The fabric is locked into a barrel and bottom bar and will give years of trouble-free use.

Options:

Fully fabric covered bottom bar; Alternative bottom bars, including fabric covered aluminium, and Tear Drop aluminium in black, silver or white. Group control systems; Wire side-guiding system; White aluminium back bar; Channel side-guiding system; Fascia; 70 Fascia available in 3 colours, custom RAL on request and with a channel for inserting a fabric strip. Compatible with 32mm, 40mm and 45mm roller blinds (please see 70 Fascia Datasheet for more information).

Specification:

YewdaleDefiant® R20M low voltage electric roller blind with low voltage 24v DC motor as manufactured by Yewdale, +44 (0)1268 570900. Slim motor and spring end is housed within aluminium barrel supported by white metal brackets. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 40mm aluminium barrel along with white plastic bottom bar.

Have you seen our range of fabrics?

Find a matching option from the YewdaleDefiant® range. You'll find it easy to choose.

Standard Barrel sizes

R20M Low Voltage Electric 24v

Drop inches	Drop mm	25½ 650	33¼ 850	41¼ 1050	49¼ 1250	57 1450	64¾ 1650	72¾ 1850	80½ 2050	88½ 2250	96½ 2450	104¼ 2650
37¼	950	System 90										
49¼	1250											
61	1550											
72¾	1850											
84½	2150											
96¼	2450											
108¼	2750											
120	3050											
131¾	3350											

Find this product on NBS Source

BIM model available

R20S Braked Spring

Features:

The YewdaleDefiant® R20S slow-rise spring roller blind promises smooth and quiet operation. White metal universal brackets for face or top fixing with 32mm grooved aluminium barrel. The fabric is locked into a groove in the barrel, and features a white Tear Drop aluminium bottom bar with cord pull as standard.

Benefits:

Smooth and quiet operation makes the R20S an excellent choice for a vast range of applications. Where there is a need for child safety the R20S braked spring is the answer with the ease of use and the lack of cords, this provides the ultimate solution. The braked spring is enclosed within the barrel supported by sturdy, attractive metal brackets. Fabric is locked into barrel and bottom bar maintaining exceptional edge to edge coverage for even better shading properties.

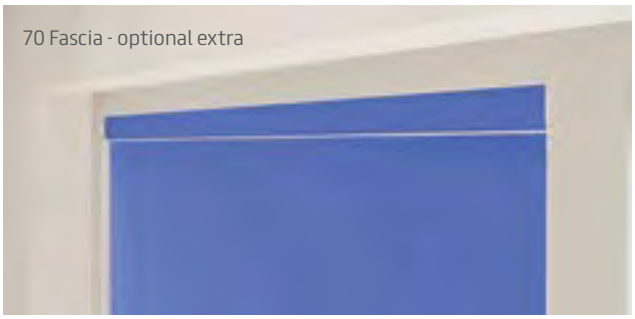
Approved to work with the YewdaleKestrel® Anti-Ligature system.

Options:

Spring limit stop; Alternative bottom bars, including fully fabric covered, in aluminium or plastic, and aluminium Tear Drop in black or silver; White aluminium back bar; Fascia.

Specification:

The YewdaleDefiant® R20S braked spring control roller blind with vandal resistant, child friendly braked spring as manufactured by Yewdale, +44 (0)1268 570900. Braked spring and spring end is housed within an aluminium barrel, supported by white metal brackets. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 32mm aluminium barrel along with white Tear Drop aluminium bottom bar.



R20W Light Duty Crank

Features:

The YewdaleDefiant® R20W plastic crank controlled roller blind features a 40mm grooved aluminium barrel and white metal universal brackets for face or top fixing. The robust plastic wind mechanism ensures very smooth blind control, operated by a detachable handle (handle sold separately). The fabric is locked into a groove in the barrel, and features a white plastic bottom bar as standard.

Benefits:

Durability and simplicity make the R20W a good choice for a vast range of applications. The detachable handle (handle sold separately) ensures the blind is vandal resistant and safe for areas where cords are a danger. The fabric is locked into the barrel and bottom bar, supported by sturdy metal brackets, and the mechanism is encased within a plastic housing.

Options:

Alternative bottom bars including fully fabric covered in aluminium or plastic, and aluminium Tear Drop in black or silver; Detachable handle; Wire side-guiding system; White aluminium back bar; Fascia70 Fascia available in 3 colours, custom RAL on request and with a channel for inserting a fabric strip. Compatible with 32mm, 40mm and 45mm roller blinds (please see 70 Fascia Datasheet for more information).

Specification:

The YewdaleDefiant® R20W plastic crank controlled roller blind with detachable handle as manufactured by Yewdale, +44 (0)1268 570900. Robust plastic wind mechanism and pin end enclosed within a plastic housing and supported by white metal brackets with covers. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 40mm aluminium barrel along with plastic bottom bar.

Have you seen our range of fabrics?

Find a matching option from the YewdaleDefiant® range. You'll find it easy to choose.

YewdaleDefiant® Roller Blinds

R26 Overhead Corded

Features:

The YewdaleDefiant® R26 overhead corded roller blind comes with a pull-cord and pulleys as standard. White plastic brackets for face or top fixing with 25mm aluminium barrel or white metal brackets for 57mm aluminium barrel, and strong, constant tension spring mechanism. The fabric is bonded onto the barrel, and features a white Tear Drop aluminium bottom bar. There is a pull-cord with cleat, and pulleys for single or double-corded operation.

Benefits:

Ideal for relatively inaccessible locations, the R26 utilises tried and tested spring components and simple manual operation. Subject to size limitations, it is able to cope with sloping or even horizontal roof windows. The fabric is bonded to the barrel and locked into the bottom bar, and supported by sturdy brackets.

For child safety information see page 3

Options:

Tear Drop aluminium bottom bar in black or silver.

Specification:

YewdaleDefiant® R26 overhead corded roller blind with constant tension spring mechanism as manufactured by Yewdale, +44 (0)1268 570900. Complete with pull-cord, cleat and pulleys for overhead operation, supported by sturdy white brackets. Flame retardant fabric from the YewdaleDefiant® range, on aluminium barrel with spring operation for single or double-handed use. Complete with pull-cord, cleat and pulleys for overhead operation.

Standard Barrel sizes

R26 Overhead Corded

Drop inches	Drop mm	25½ 650	33¼ 850	41¼ 1050	49¼ 1250	57 1450	64¾ 1650	72¾ 1850	80½ 2050	88½ 2250	98¼ 2500
37¼	950										
49¼	1250										
61	1550										
72¾	1850										
84½	2150										
96¼	2450										
112	2850										

BIM model available

R40 Premium Sidewinder

Features:

The YewdaleDefiant® R40 heavy duty roller blind with premium sidewinder mechanism as standard. Featuring an updated clutch and improved end plug which has a spring-loaded pin that clicks into the bracket. Superior quality 1:4 geared sidewinder mechanisms for heavy duty operation, with metal control chain. The fabric is locked into a groove in the barrel and features a white Tear Drop aluminium bottom bar as standard.

Benefits:

The R40 opens up a whole range of premium quality sidewinder controlled blinds. The control mechanisms are meticulously designed for a long and trouble-free life, and the choice of barrel sizes means that there is a superbly engineered sidewinder blind for almost every application. The fabric is located in the groove in such a way that, although it cannot be pulled out, it may be slid out sideways for easy repair or replacement. Our spring-loaded pin within the end plug supports an easy installation and keeps the blind securely in place.

For child safety information see page 3

Options:

Alternative bottom bars, in plastic or aluminium, including fabric covered; Tear Drop aluminium bottom bar in black or silver; Wire side-guiding system; White aluminium back bar; Fascia.

Specification:

YewdaleDefiant® R40 premium sidewinder roller blind with superior quality 1:4 geared sidewinder mechanism for heavy duty operation as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 53/70mm aluminium barrel along with white Tear Drop aluminium bottom bar as standard. Supported by sturdy, attractive brackets and incorporating metal control chain.

Have you seen our range of fabrics?

Find a matching option from the YewdaleDefiant® range. You'll find it easy to choose.

Standard Barrel sizes

R40-53/70 Heavy Duty Sidewinder

Drop inches	Drop mm	31½ 800	43¼ 1100	55 1400	67 1700	78¾ 2000	90½ 2300	102¼ 2600	114¼ 2900	126 3200	137¾ 3500	149½ 3800	161½ 4100	173¼ 4400	185 4700
37¼	950	53mm													
49¼	1250														
61	1550														
72¾	1850														
84½	2150														
96¼	2450														
108¼	2750														
120	3050														
131¾	3350														
143¾	3650	70mm													
155½	3950														
167¼	4250														
179¼	4550														
190¾	4850														
202¾	5150														
214½	5450														
226½	5750														

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YewdaleDefiant® Roller Blinds

R54 Heavy Duty Crank

Features:

The YewdaleDefiant® R54 crank control roller blind features a heavy duty 1:3 crank mechanism for effective operation of large blinds. Operated by a magnetic detachable crank handle, and accommodating robust grooved aluminium barrel, this system is built to last. Choose from white plastic covered brackets or metal brackets for face or top fixing, and with 53mm or 70mm grooved aluminium barrel, depending on blind size and fabric weight. The fabric is locked into a groove in the barrel, and features a white Tear Drop aluminium bottom bar as standard.

Benefits:

The strongest manual control blind from the YewdaleDefiant® range. The R54 is designed to cope, and built to last. Fabric is located in the groove in such a way that, although it cannot be pulled out it may be slid out sideways for easy repair or replacement of blind cover. The removable crank means that the blind cannot be tampered with by unauthorised personnel. Ideal for situations when a large blind size is required, or when vandal-resistance is a priority.

Options:

Alternative bottom bars in aluminium, including fabric covered; Tear Drop aluminium bottom bar in black or silver; Wire side-guiding system; Fixed crank handle.

Specification:

YewdaleDefiant® R54 Heavy duty crank control roller blind with heavy duty 1:3 crank mechanism as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 53/70mm aluminium barrel along with white Tear Drop aluminium bottom bar as standard. Supported by sturdy, brackets and incorporating magnetic detachable crank handle.

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Standard Barrel sizes

R54 Heavy Duty Crank / R55 Heavy Duty Electric

Drop inches	Drop mm	25½ 650	33¼ 950	49¼ 1250	61 1550	72¾ 1850	84¾ 2150	96¼ 2450	108¼ 2750	88½ 3050	131¾ 3350	141¾ 3650	155½ 3950	167¾ 4250	179¼ 4550	185 4700
37¼	950	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm						
49¼	1250	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm						
61	1550	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm						
72¾	1850	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm						
84½	2150	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm						
96¼	2450	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm						
108¼	2750	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm						
120	3050	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm						
131¾	3350	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm	53mm						
141¾	3650	70mm	70mm	70mm	70mm	70mm	53mm	53mm	53mm	53mm						
155½	3950	70mm	70mm	70mm	70mm	70mm	53mm	53mm	53mm							
167¾	4250	70mm	70mm	70mm	70mm	70mm	53mm	53mm								
179¼	4550	70mm	70mm	70mm	70mm	70mm	53mm									
190¾	4850	70mm	70mm	70mm	70mm	70mm										
202¾	5150	70mm	70mm	70mm	70mm	70mm										
214½	5450	70mm	70mm	70mm	70mm	70mm										
226½	5750	70mm	70mm	70mm	70mm	70mm										

R55 Heavy Duty Electric 230v AC

Features:

The YewdaleDefiant® R55 electric roller blind with a 230v AC motor as standard. White plastic covered, metal brackets for face or top fixing with 53 or 70mm grooved aluminium barrel, depending on blind size and fabric weight, housing a powerful 230v AC motor. The motor is controlled by a switch which may be surface or flush mounted (not supplied as standard). The fabric is locked into a groove in the barrel and features a white Tear Drop aluminium bottom bar as standard.

Benefits:

The R55 offers a premium roller blind for situations where strength and ease of use are paramount. Its quiet and reliable motor is housed within the barrel and supported by sturdy metal brackets. The fabric is locked into the barrel and bottom bar in such a way that, although it cannot be pulled out, it may be slid out sideways for easy repair or replacement of blind cover. A large number of control options are available, including remote control and home automation systems enabling the specifier to integrate the window shading element into an overall scheme of electrical control systems.

Options:

Alternative bottom bars in aluminium, including fabric covered; Tear Drop aluminium bottom bar in black or silver; Wire side-guiding system.

Specification:

YewdaleDefiant® R55 heavy duty electric roller blind with 230v AC motor as manufactured by Yewdale, +44 (0)1268 570900. Slim motor is housed within aluminium barrel supported by metal brackets with white plastic covers. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 53/70mm aluminium barrel along with white Tear Drop aluminium bottom bar as standard.

NBS Source

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Find a matching option from the YewdaleDefiant® range. You'll find it easy to choose.

R56 Overhead Crank

Features:

The YewdaleDefiant® overhead roller blind system with crank operation. White aluminium brackets for top or face fixing with 50 and 57mm grooved aluminium barrels. Fabric is mounted onto a sprung 57mm aluminium barrel whilst at the other end it is fitted to a white Tear Drop aluminium bottom bar, attached to two draw tapes. These tapes are attached, between flanged guides, to the 50mm drive barrel, operated by 1:4 gear control mechanism and crank handle.

Benefits:

The R56 roller blinds are the ultimate in choice for the shading requirements for sloping or horizontal roof windows. With heavy duty componentry and a powerful spring action to the fabric roller, these blinds may be confidently specified for awkward or inaccessible locations. The magnetic detachable crank handle provided with the R56 removes the common issues associated with locating the drive at height and solves the problem of unauthorised use.

Options:

Tear Drop aluminium bottom bar in black or silver; Channel side-guiding system; Fixed crank handle.

Specification:

YewdaleDefiant® R56 crank operation overhead roller blind with 1:4 geared crank mechanism as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, on 57mm aluminium barrel with enclosed spring attached to white Tear Drop aluminium bottom bar as standard. 50mm drive barrel connected to gear control crank mechanism operates blind by means of draw-tapes to the bottom bar. Supported by sturdy, attractive brackets and incorporating magnetic detachable crank handle.

R57 Overhead Electric

Features:

The YewdaleDefiant® overhead roller blind system with 230v AC motor. White aluminium brackets for top or face fixing with 50mm smooth aluminium barrel. The motor is controlled by a switch which may be surface or flush mounted (not supplied). Fabric is mounted onto a sprung 57mm aluminium barrel whilst at the other end it is fitted to a white Tear Drop aluminium bottom bar, attached to two draw tapes. These tapes are attached, between flanged guides, to the 50mm drive barrel, operated by a 230v AC electric motor.

Benefits:

The R57 roller blinds are the ultimate in choice for the shading requirements for sloping or horizontal roof windows. With heavy duty componentry and a powerful spring action to the fabric roller, these blinds may be confidently specified for awkward or inaccessible locations. The R57 can be supplied with a number of remote or group control options including Radio Control and home automation systems.

Options:

Tear Drop aluminium bottom bar in black or silver; Remote and/or group control systems.

Specification:

YewdaleDefiant® R57 electric operation overhead roller blind with 230v AC motor as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, on 57mm aluminium barrel with enclosed spring attached to white Tear Drop aluminium bottom bar as standard. 50mm drive barrel connected to electric motor operates blind by means of draw-tapes to the bottom bar. Supported by sturdy, attractive brackets.

Have you seen our range of fabrics?

Find a matching option from the YewdaleDefiant® range. You'll find it easy to choose.

Add a touch of style with our 70 Fascia

Compatible with 32mm, 40mm and 45mm roller blinds.

Available in 4 popular colours with other colours available on request

Versatile and Simple Installation:
Top or Face fix, with or without brackets.

Customisable Design:
Add a fabric strip to fascia to match or complement your blinds.

4 Colour Choices:
White, anthracite, cream and black for the ultimate finish.

Durable and High-Quality:
Made from premium materials for longevity.

Protect and Maintain:
Reduce the accumulation of dust keeping the fabric in perfect condition.

Available in component form for manufacturers or as an add-on option for our made-to-measure clients.

No Mess. No Tools. Drill Free.

Compatible with R20 System.
To suit 32mm barrels.

Also available in **wholesale!** Enquire Now!

No Tools
Twist the mechanism to create a tight, sturdy and durable fit of our Roller Blinds.

More Surfaces
Drill Free is great for a range of uneven surfaces (within reason) and be used on tiles or steel work which is difficult to drill.

Big Widths & Drops
Fits to our 32mm barrel, the Drill Free mechanism is compatible with blinds up to 2050mm wide and a 2150mm drop.

Made To Hold
At 144g's in weight per set the Drill Free mechanism offers up to 8kg of bearing.

Extra care should be taken when fitting Drill Free blinds onto any surface. Please ensure blind is secure at all times to avoid damage to surface or potential injury.

VPF Vision Panel Flap

Features:

The YewdaleDefiant® vision panel flap comes with turn-button control as standard. White plastic turn-buttons to each corner secures the fabric privacy screen in place when in use. The fabric has welded hems on the top and bottom, and a central turn-button at the top for retaining when not in use.

Benefits:

The YewdaleDefiant® Vision Panel Flaps offer a discreet screen on doors/windows without the need of mechanisms - especially important where there are space restrictions. These are seen as infection control friendly as they can be easily removed and replaced for cleaning purposes. Light seepage is kept to a minimum due to the closeness of fabric to the glass.

Options:

Velcro strip bonded to top and bottom edges in place of turn-button and tag; Shaped panels.

Specification:

YewdaleDefiant® Vision Panel Flap from flame retardant fabric as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® fabric range with welded hems to top and bottom. Retained by turn-button tag control to each corner for effective screening.

Wire Side-guiding System

Features:

The YewdaleDefiant® wire side-guiding system was developed to ensure that roller blinds could be kept in a closed position regardless of the forces of gravity or movement of air around it. The rotatable bottom bar end-cap adaptor is held securely to the stainless-steel wire which is kept under tension by a bezel at the bottom and a crimp at the top. The wire side guiding comes as standard with a plastic bracket cover for the finishing touch - the wire is inserted through a small hole in the cover and the crimp is held concealed between the bracket and the cover.

For systems without a bracket cover or where there isn't a requirement for a cover, the wire and crimp is held taut with a small L-shaped metal holder which is attached to the main system bracket.

Options:

1mm or 2mm stainless-steel wire, L-shaped metal holder

Specification:

YewdaleDefiant® Wire Side-Guiding System for use with roller blinds as manufactured by Yewdale, +44 (0)1268 570900. Rotating bottom bar end-cap adaptor held securely to stainless steel wire, providing a robust positioning mechanism. System held under tension by a metal bezel at the bottom and crimp at the top. Comes as standard with a plastic bracket cover.

Roller Blind Specification Guide

Code	Description	Min Width	Max Width	Max Drop	Max M²
R20	Sidewinder	200	3450	4250	6.5
R20B	Low Voltage Battery 5v DC	533	3450	4250	6.5
R20C	Crank	200	3450	4250	6.5
R20D	Double Roller Blind	200	2650	3350	6.5
R20M	Low Voltage Electric 24v DC	533	3450	4250	6.5
R20S	Braked Spring**	590	1800	2150	4.3
R20W	Light Duty Crank	200	2650	3350	5.0
R26-25	Overhead Corded - 25mm	500	1850	1850	3.5
R26-57	Overhead Corded - 57mm	720	2500	2850	5.0
R40-53	Premium Sidewinder - 53mm	200	3050	3450	9.0
R40-70	Premium Sidewinder - 70mm	200	4700	5750	10.0
R54-53	Heavy Duty Crank - 53mm	200	3450	3450	9.0
R54-70	Heavy Duty Crank - 70mm	200	4700	5750	10.0
R55-53	Heavy Duty Electric 230v AC - 53mm	585	3450	3450	9.0
R55-70	Heavy Duty Electric 230v AC - 70mm	585	4700	5750	10.0
R56	Overhead Crank	720	2500	2000	4.0
R57	Overhead Electric 230v AC	570	2500	2000	4.0

Based on fabric weight of 220g/m², e.g. Thames. Use of heavier fabrics may require appropriate reductions.
** Use of limit stop may require appropriate reductions.

YewdaleDefiant® ShadeBox®

All YewdaleDefiant® blinds are carefully built to exacting standards, giving years of trouble-free service. The superior design features and quality components enable them to be confidently specified for the most demanding environments.

Many YewdaleDefiant® blinds feature vandal-resistant controls and mechanisms, and are frequently seen in hospitals, schools, colleges and other public buildings, as well as regular commercial and residential environments.

The YewdaleDefiant® ShadeBox® blind system is available in component form for installation during the ceiling construction. Available with chain or electric operation and a range of fitting options.

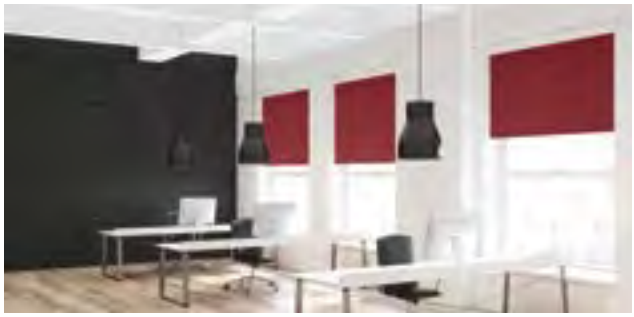
The YewdaleDefiant® fabrics programme encompasses a vast range of fabrics, all of which are flame-retardant to government standards. Fabric types include dim-out, black-out, solar reflective, sun-screen and solar film.

ShadeBox® 23

LIFETIME Warranty

This roller blind range comes with a full lifetime warranty as standard.

BIM model available



ShadeBox®

Features:

Supplied in component form only with an aluminium powder coated white box as standard. Available up to 5m in length, the box is 115mm x 115mm. Components include an aluminium box cover, plain box section and endplates. The box is designed for top fixing into a ceiling section of a suspended ceiling and transitional plates accommodate either a 45mm grooved aluminium barrel with metal chain operation or a 53mm/70mm grooved aluminium barrel for electric operation, depending on blind size and fabric weight. White hardware as standard.

Benefits:

Designed to ensure that blinds blend discreetly into a room, ShadeBox® is an excellent choice for a modern building with a minimalistic interior. ShadeBox® is installed during the ceiling construction. A tradesperson can dryline or plaster right up to the box using the drylining section component, leaving a seamless finish, or they can use the alternative adaptor which allows the box to be fitted within false ceilings.Metal transition plates are fitted on either side of the box to allow for your choice of YewdaleDefiant® roller blind, whether manual or electric. The plates allow the blinds to slide into place for an easy fit once the ceiling and room are finished. The transitional plates allow the blinds to be easily removed and altered for future fabric colour or operation changes. ShadeBox® can also accommodate other manufacturer's blinds installing the blind directly to the box leaving out the transition plates. When the blind is up and not in use, the ShadeBox® cover completely conceals the blind from view for a tidy and discreet finish.

Options:

Chain or electric operation, small or large box cover, plain or drylining section, false ceiling adaptor, available in any RAL colour.

Specification:

YewdaleDefiant® ShadeBox® as manufactured by Yewdale, +44 (0)1268 570900. White aluminium powder coated white box available up to 5m in length, 115mm x 115mm. Components include an aluminium box cover, plain box section and endplate. Suitable for a 45mm roller blind barrel for chain operation or a 53mm/70mm barrel for electric operation, depending on blind size and fabric weight.

NBS Source

Find this product on NBS Source

Have you seen our range of fabrics?

Find a matching option from the YewdaleDefiant® range. You'll find it easy to choose.

YewdaleDefiant® Cassetted Blinds

All YewdaleDefiant® blinds are carefully built to exacting standards, giving years of trouble-free service. The superior design features and quality components enable them to be confidently specified for the most demanding environments.

Many YewdaleDefiant® blinds feature vandal-resistant controls and mechanisms, and are frequently seen in hospitals, schools, colleges and other public buildings, as well as the regular commercial and residential environments.

YewdaleDefiant® cassetted blinds give a smooth contemporary style to any window, and help to protect the blind fabric from dust or damage. The C2 range of cassettes offer a pleasing and modern alternative to standard roller blinds incorporating an attractive aluminium head-box to protect and enclose the fabric when it's not in use for its shading purposes. The C4 cassette range includes side channels as standard. These help to retain the fabric in position, and will also give a degree of light exclusion when used in conjunction with blackout fabric.

The full range is distributed globally through a network of partners providing an unrivalled level of support, and with experienced installation and service teams to exceed your expectations.

C20 Sidewinder	**25**
C22 Braked Spring	**26**
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LIFETIME Warranty

This cassetted blind range comes with a full lifetime warranty as standard.

C20 Sidewinder

Features:

The YewdaleDefiant® C20 sidewinder cassette blind comes with an enclosed aluminium headbox as standard. This cassette is designed for top or face fixing and accommodates 32, 45, 53 or 70mm grooved aluminium barrels, depending on blind size and fabric weight. Fabric is locked into a groove in the barrel and features an aluminium bottom bar. A robust Slipstream® sidewinder mechanism provides the effective means of operation. Black or white hardware as standard.

Benefits:

The excellent performance of a YewdaleDefiant® cassetted blind is further enhanced by its quality sidewinder mechanism, which is simple to operate and provides accurate control of the blind's position. The sturdy metal control chain is held in place by a chain tidy. We manufacture both square and rounded headboxes, allowing you to choose the style that suits the environment.

For child safety information see page 3

Options:

Square or rounded headboxes; Black or white hardware; With side channels, C40-60/90/120. Wire side-guiding system; Available in any RAL colour.

Specification:

YewdaleDefiant® C20-60/90/120 cassetted blind as manufactured by Yewdale, +44(0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 32/45/53/70mm aluminium barrel along with aluminium bottom bar as standard. Black/white aluminium cassette and bottom bar and incorporating metal control chain.

Find this product on NBS Source

Cassetted Blind Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)
C20-60	Rounded / Square - 77 x 73mm	32mm	n/a
C20-90	Rounded / Square - 105 x 95mm	45mm	n/a
C20-120	Rounded / Square - 140 x 120mm	53 / 70mm	n/a

YewdaleDefiant® Cassetted Blinds

C22 Braked Spring

Features:

The YewdaleDefiant® C22 cassette braked spring roller blind features an enclosed aluminium headbox as standard. The premium quality spring and decelerator ensures smooth and quiet operation. Direct fix for top and face applications. The fabric is locked into a groove in the 32mm aluminium barrel, and features an aluminium Tear Drop bottom bar. A plastic cleat is used to hold the blind closed. Black or white hardware as standard.

Benefits:

An attractive metal-framed blind with the added appeal of slow-rise, or braked, technology. Our rounded and square headboxes are attractive and highly durable. Generally used in dim-out applications with blackout fabric, or as an insect screen with mesh fabric, as it has no mid-point stopping positions. The braked spring and decelerator mechanism is enclosed within the barrel.

Options:

Square or rounded headboxes; Black or white hardware available in any RAL colour.

Specification:

YewdaleDefiant® C22-60 braked spring control cassetted blind as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 32mm aluminium barrel along with aluminium bottom bar as standard. Vandal resistant braked spring and spring end housed within black/white aluminium cassette.

Cassetted Blind Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)
C22-60	Rounded / Square - 77 x 73mm	32mm	n/a

C24 Crank

Features:

The YewdaleDefiant® C24 crank control cassette blind features a compact, robust 1:3 gear mechanism operated by a detachable crank handle. The cassette is designed for top or face fixing and accommodates 45, 53 or 70mm grooved aluminium barrels, depending on blind size and fabric weight. The fabric is locked into a groove in the barrel. It has an aluminium Tear Drop bottom bar and black or white hardware as standard.

Benefits:

Our square and rounded headboxes are a good choice for a vast range of applications. With its powerful gear controls, the C24 will perform dependably in all kinds of contract applications. The geared crank handle and mechanism ensures smooth blind control and is safer for areas where cords are a threat. Fabric locked into the barrel and bottom bar and supported by sturdy supports.

Options:

Square or rounded headboxes; Black or white hardware; Fixed crank handle; With side channels C44S-90/120. Wire side-guiding system; Available in any RAL colour.

Specification:

YewdaleDefiant® C24-90/120 crank control cassetted blind as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 45/53/70mm aluminium barrel along with aluminium bottom bar as standard. Robust vandal resistant 1:3½ crank mechanism and pin end housed within black/white aluminium cassette, supported by sturdy brackets.

Find this product on NBS Source

Cassetted Blind Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)
C24-90	Rounded / Square - 105 x 95mm	45mm	n/a
C24-120	Rounded / Square - 140 x 120mm	53 / 70mm	n/a

YewdaleDefiant® Cassetted Blinds

C25 Electric 24v

Features:

The YewdaleDefiant® C25 electric cassette blind features a modern headbox constructed from durable aluminium. It's supplied with a low voltage 24v DC motor as standard. Designed for top or face fixing, this cassette accommodates a 40mm grooved aluminium barrel which houses the 24v DC motor. The motor is controlled by a switch which may be surface or flush mounted (not supplied as standard). Black or white hardware as standard.

Benefits:

Our cassette blinds can be manufactured with a square or rounded headbox. Fingertip control and a slim yet sturdy aluminium frame help this blind to lend an air of luxury to any environment and makes the C25 a perfect choice for motorised requirements. The quiet and reliable motor is housed within the barrel and supported by sturdy, metal brackets. Fabric is locked into a groove in the barrel and an aluminium bottom bar.

Options:

Square or rounded headboxes; Black or white hardware; Remote and/or group control systems in place of single switch; With side channels C45S-60/90. Wire side-guiding system; Available in any RAL colour.

Specification:

YewdaleDefiant® C25-60/90 low voltage electric cassetted blind as manufactured by Yewdale, +44(0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 40mm aluminium barrel along with aluminium bottom bar as standard. Low voltage 24v DC motor is housed within black/white aluminium cassette.

Find this product on NBS Source

Cassetted Blind Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)
C25-60	Rounded / Square - 77 x 73mm	40mm	n/a
C25-90	Rounded / Square - 105 x 95mm	40mm	n/a

C27 Electric 230v

Features:

The YewdaleDefiant® C27 electric cassette blind features a strong headbox and 230v AC motor as standard. Designed for top or face fixing and accommodates 40mm grooved aluminium barrel which houses the motor. The motor is controlled by a switch which may be surface or flush mounted (not supplied as standard). Fabric is locked into groove in barrel and an aluminium bottom bar. Black or white hardware as standard.

Benefits:

The C27 offers a premium electric operated cassette blind for situations where durability and functionality are required. The quiet and reliable motor is housed within the barrel and further protected by the aluminium headbox housing. The fabric is locked into the barrel and bottom bar and will give years of trouble-free use. It is located in the groove so that it may be slid out sideways for easy repair or replacement of blind cover. You can choose between a square or rounded headbox to complete the blind and protect it from dust and damage.

Options:

Square or rounded headbox; Black or white hardware; Remote and/or group control systems in place of single switch; With side channels C47S-90/120; Wire side-guiding system; Available in any RAL colour.

Specification:

YewdaleDefiant® C27-90/120 electric cassetted blind as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 53/70mm aluminium barrel along with aluminium bottom bar as standard. 230v AC motor is housed within black/white aluminium cassette.

NBS Source

Find this product on NBS Source

Cassetted Blind Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size ø	Side Channel Size (WxD)
C27-90	Rounded / Square - 105 x 95mm	53mm	n/a
C27-120	(Rounded) - 140 x 120mm	53 / 70mm	n/a

YewdaleDefiant® Cassetted Blinds

C29 Electric 5v

Features:

The YewdaleDefiant® C29 electric cassette blind features a 5v DC battery-powered tubular motor and an enclosed aluminium headbox as standard. The cassette is designed for top or face fixing which accommodates a 40mm grooved aluminium barrel, housing the motor. The motor makes operation easy thanks to its remote control, with a quiet and soft start/stop motion and electronic stops. The fabric is locked into a groove in the barrel and an aluminium bottom bar. Black or white hardware as standard.

Benefits:

The C29 is a stylish and sturdy cassette system that provides quiet functionality thanks to its motorised features. The remote control operated motorised elements of this system ensure ease of use and the limit stop function provides four intermediate pre-sets the user can set to stop the blind at different levels throughout the day. Our square and rounded headboxes are available for all our cassette blinds, preventing dust from entering them.

Options:

Square or rounded headbox; Black or white hardware; with side channels see CS49-60/90; wire side guiding available; available in any RAL colour.

Specification:

The YewdaleDefiant® C29 electric cassetted blind as manufactured by Yewdale, +44(0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into a grooved 40mm aluminium barrel along with an aluminium bottom bar as standard. 5v DC motor housed within a black/white aluminium cassette and bottom bar.

Find this product on NBS Source

Cassetted Blind Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)
C29-60	Rounded / Square - 77 x 73mm	40mm	n/a
C29-90	Rounded / Square - 105 x 95mm	40mm	n/a

C40 Sidewinder

Features:

All the YewdaleDefiant® C40 sidewinder cassette blinds come with an enclosed aluminium headbox and side channels as standard. The cassette is designed for top or face fixing and accommodates 32, 45, 53 or 70mm grooved aluminium barrels, depending on blind size and fabric weight. Fabric is locked into groove in barrel and features aluminium bottom bar with pile seal. A robust Slipstream® sidewinder mechanism provides the effective means of operation with the use of metal control chain, held in place by a chain tidy. Studs fitted at edge of fabric to retain it within side channels. Black or white hardware as standard.

Benefits:

The excellent performance of the C40 cassetted blind is further enhanced by the addition of side channels, securing the fabric and bottom bar, whilst providing light exclusion if blackout fabric is used. 13mm pile seal with side channel can achieve up to 97% blackout. The entire range is available to order with square or rounded headboxes which protect the fabric. The quality sidewinder mechanisms are simple to operate and allow accurate control of blind position. Our cassette blind systems are backed by our lifetime warranty.

You can install our C40 cassette blind using our new goalpost installation technique, which simplifies the installation. Our new end plates allow the side channels to be attached to the headbox and installed as a frame, reducing the installation time.

For child safety information see page 3

Options:

Square or rounded headboxes; Black or white hardware; Without side channels, C20-60/90/120; Tracker fabric retaining system; Available in any RAL colour.

Specification:

YewdaleDefiant® C40-60/90/120 cassetted blind with side channels as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 32/45/53/70mm aluminium barrel along with aluminium bottom bar as standard. Black/white aluminium cassette, side channels and bottom bar and incorporating metal control chain. Please note: caution should be used when installing in drafty conditions - blinds should not be left down in the situation of open windows.

Find this product on NBS Source

Cassetted Blind Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)
C40-60	Rounded / Square - 77 x 73mm	32mm	55 x 13mm
C40-90	Rounded / Square - 105 x 95mm	45mm	55 x 13mm
C40-120	Rounded / Square - 140 x 120mm	53 / 70mm	55 x 13mm

YewdaleDefiant® Cassetted Blinds

C44 Crank

Features:

The YewdaleDefiant® C44 crank control cassette blind features a compact, robust 1:3½ gear mechanism operated by a detachable crank handle. The cassette is designed for top or face fixing and accommodates 45, 53 or 70mm grooved aluminium barrels, depending on blind size and fabric weight. The fabric is locked into a groove in the barrel with studs fitted at the edge of fabric to retain it within side channels. Aluminium bottom bar. Black or white hardware as standard.

Benefits:

Durability and simplicity make the C44 cassette a good choice for a vast range of applications. With its aluminium side channels and powerful gear controls, it will perform dependably in all kinds of contract applications. The geared crank handle and mechanism ensure smooth blind control and is safer for areas where cords are a threat. Fabric is locked into the barrel and bottom bar and supported by sturdy supports. You can choose between a square or rounded headbox to complete the blind and protect it from dust and damage. 13mm pile seal with side channel can achieve up to 97% blackout.

You can install the C44 using our goalpost installation, which we designed for cassette blinds with side channels. We redesigned the end plates to include small lugs which allow you to connect the side channels with the headbox to create a frame. The frame is strong enough to be held by the side channels and installed directly to the wall or recess.

Options:

Square or rounded headbox; Black or white hardware; Fixed crank handle; Tracker fabric retaining system; Available in any RAL colour.

Specification:

The YewdaleDefiant® C44-90/120 crank control cassetted blind with side channels as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 45/53/70mm aluminium barrel along with aluminium bottom bar as standard. Robust vandal resistant 1:3½ crank mechanism and pin end housed within black/white aluminium cassette with side channels and bottom bar. Please note: caution should be used when installing in drafty conditions - blinds should not be left down in the situation of open windows.

Find this product on NBS Source

Cassetted Blind Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size ∅	Side Channel Size (WxD)
C44-90	Rounded / Square - 105 x 95mm	45mm	55 x 13mm
C44-120	Rounded / Square - 140 x 120mm	53 / 70mm	55 x 13mm

C45 Electric 24v

Features:

The YewdaleDefiant® C45 electric cassette blind with side channels features a low voltage 24v DC motor as standard. This cassette is designed for top or face fixing and accommodates a 40mm grooved aluminium barrel, housing the 24v DC motor. The motor is controlled by a switch which may be surface or flush mounted (not supplied as standard). Fabric is locked into a groove in the barrel with studs fitted at the edge of fabric to retain it within side channels. Aluminium bottom bar. Black or white hardware as standard.

Benefits:

Fingertip control and a slim yet sturdy aluminium frame help this blind lend an air of luxury to any environment and makes the C45 a perfect choice for motorised requirements. Our quiet and reliable motor is housed within the barrel and supported by sturdy, metal brackets. The headbox looks stylish and suits a range of settings. Choose between a rounded or square headbox to complete the blind and protect it from dust and damage. 13mm pile seal with side channel can achieve up to 97% blackout.

Enjoy a shorter installation time by following our simple goalpost installation method. Simply connect the side channels to the headbox and install the C45 cassette blind as a frame.

Options:

Square or rounded headbox; Black or white hardware; Remote and/or group control systems in place of single switch; Tracker fabric retaining system; Available in any RAL colour.

Specification:

The YewdaleDefiant® C45-60/90 low voltage electric cassetted blind with side channels as manufactured by Yewdale, +44(0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 40mm aluminium barrel along with aluminium bottom bar as standard. Low voltage 24v DC motor is housed within black/white aluminium cassette with side channels and bottom bar. Please note: caution should be used when installing in drafty conditions - blinds should not be left down in the situation of open windows.

Find this product on NBS Source

Cassetted Blind Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)
C45-60	Rounded / Square - 77 x 73mm	40mm	55 x 13mm
C45-90	Rounded / Square - 105 x 95mm	40mm	55 x 13mm

YewdaleDefiant® Cassetted Blinds

C47 Electric 230v

Features:

The YewdaleDefiant® C47 electric cassette blind with side channels features a motor as standard. The cassette is designed for top or face fix and accommodates a 53/70mm grooved aluminium barrel, housing the 230v AC motor. The motor is controlled by a switch which may be surface or flush mounted (not supplied as standard). Fabric is locked into a groove in the barrel with studs fitted at the edge of the fabric to retain it within the side channels. Aluminium bottom bar. Black or white hardware as standard.

Benefits:

The C47 offers a premium electric operated cassetted blind for situations where durability and functionality are required. Our square and rounded cassette headboxes look stylish and suits a range of settings. The quiet and reliable motor is housed within the barrel and further protected by the robust aluminium headbox housing. The fabric is locked into the barrel and bottom bar and will give years of trouble-free use. For easy repair or replacement of blind cover, the fabric is located in the groove which allows it to be slid out sideways. 13mm pile seal with side channel can achieve up to 97% blackout.

The C47 electric cassette blind benefits from a reduced installation time due to our goalpost installation method. The side channels are connected to the headbox via special end plates, creating a goalpost-shaped frame. The frame is then installed via the side channels.

Options:

Square or rounded headbox; Black or white hardware; Remote and/or group control systems in place of single switch; Tracker fabric retaining system; Available in any RAL colour.

Specification:

The YewdaleDefiant® C47-90/120 electric cassetted blind with side channels as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 53/70mm aluminium barrel along with aluminium bottom bar as standard. 230v AC motor is housed within black/ white aluminium cassette with side channels and bottom bar. Please note: caution should be used when installing in drafty conditions - blinds should not be left down in the situation of open windows.

Find this product on NBS Source

Cassetted Blind Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)
C47-90	Rounded / Square - 105 x 95mm	53mm	55 x 13mm
C47-120	Rounded / Square - 140 x 120mm	53 / 70mm	55 x 13mm

C49 Electric 5v

Features:

The YewdaleDefiant® C49 electric cassette blind with side channels features a 5v DC battery powered tubular motor. The cassette is designed for top or face fixing which accommodates a 40mm grooved aluminium barrel, housing the motor. The motor makes operation easy thanks to its remote control, with a quiet and soft start/ stop motion and electronic stops. The fabric is locked into a groove in the barrel with studs fitted at the edge of the fabric to retain it within the side channels. Aluminium bottom bar. Black or white hardware as standard.

Benefits:

The C49 will keep the fabric looking its best thanks to the protection provided by the square or rounded headbox and tracker side channels ensuring the fabric is taut. The remote control operated motorised elements of this system ensure ease of use and the limit stop functionality provides four intermediate pre-sets the user can set to stop the blind at different levels throughout the day. 13mm pile seal with side channel can achieve up to 97% blackout.

The C49 cassette blind is easy to install using our goalpost installation technique. Simply connect the side channels to the headbox and fit the blind via the side channels.

Options:

Square or rounded headbox; Black or white hardware; tracker fabric retaining system; available in any RAL colour.

Specification:

The YewdaleDefiant® C49 electric cassetted blind with side channels as manufactured by Yewdale, +44(0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into a grooved 40mm aluminium barrel along with an aluminium bottom bar as standard. 5v DC motor housed within a black/white aluminium cassette with side channels and bottom bar. Please note: Caution should be used when installing in drafty conditions - blinds should not be left down in the situation of open windows.

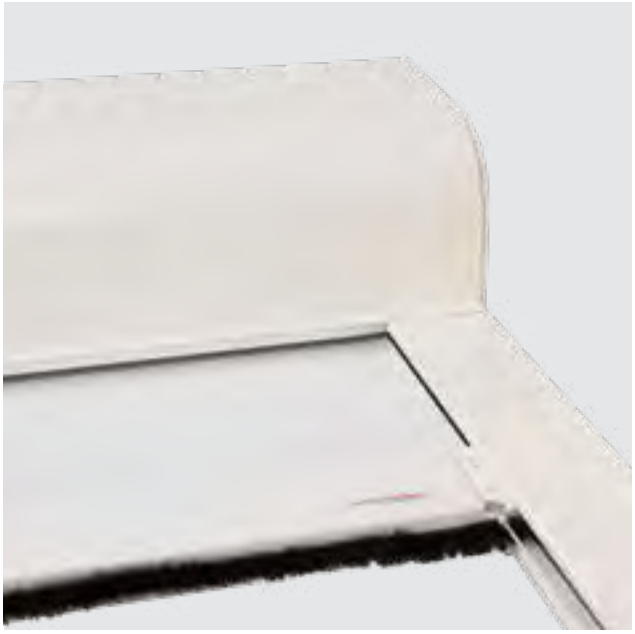
NBS Source

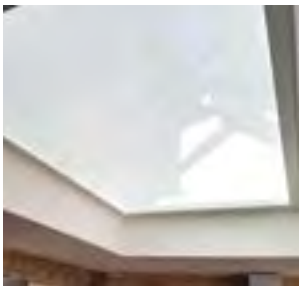
Find this product on NBS Source

Cassetted Blind Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)
C49-60	Rounded / Square - 77 x 73mm	40mm	55 x 13mm
C49-90	Rounded / Square - 105 x 95mm	40mm	55 x 13mm

YewdaleDefiant® Overhead Cassetted Blinds





C56T Overhead Crank

Features:

Smooth operation and complete control make the YewdaleDefiant® C56T overhead cassetted blind practical and luxurious. The 1:5 gear control crank mechanism allows you to easily operate the blind, and the fabric is held in place in the side channels. This blind is drawn across the window by tensioned spring units on the bottom bar. The powder-coated aluminium headbox is available in both square and rounded profiles, making it ideal for buildings looking for a stylish overhead blind. The C56T can be made to a maximum size of 3m X 3m.

Benefits:

The YewdaleDefiant® C56T overhead cassetted blind is a diverse, bracketless shading solution that provides control over the amount of light entering a large overhead window. However, unlike other overhead blinds, this solution is discreet. The headbox and side channels are slim and available in black or white powder-coated aluminium, and operation is quiet and smooth, and the fabric is held tight across the blind, eliminating sagging. The robust, detachable crank and vandal resistant 1:5 gear control crank mechanism make this blind ideal for a multitude of contract applications.

Options:

Square or rounded headbox; Black or white hardware, fixed crank. It is recommended that only the following fabrics are used in conjunction with this product: Roach.

Specification:

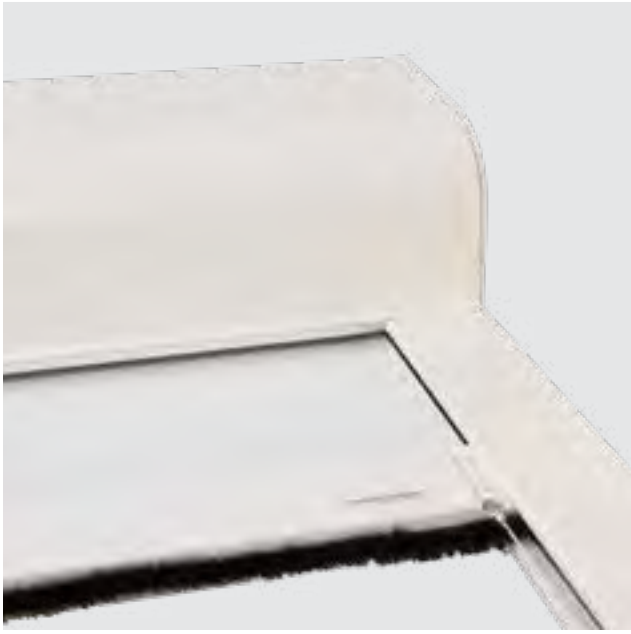
The YewdaleDefiant® C56-90/120T overhead cassetted blind with Tracker Fabric Retaining System and crank control as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, on a grooved 53/70mm aluminium barrel along with aluminium bottom bar as standard. The barrel, driven by a vandal resistant 1:5 gear control crank mechanism, operates the blind by means of tensioned spring units connected to the bottom bar. Twin black/white powder-coated aluminium headbox cassettes, side and bottom channels and bottom bar and incorporating a detachable crank handle.

Find this product on NBS Source

Cassetted Blind Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)
C56-90T	Rounded / Square - 105 x 95mm	53mm	50 x 24.8mm
C56-120T	Rounded / Square - 140 x 120mm	53 / 70mm	50 x 24.8mm

Please note, this systems tension box will provide a pinging sound during operation. Some rippling may occur at the edges of the fabric.



C57T Overhead Electric

Features:

The YewdaleDefiant® C57T overhead electric cassetted blind comes with a 230v AC Tubular Motor as standard. At the touch of a button from the remote switch (sold separately), the blind can open and close, shading ceiling windows with ease. This blind is quietly drawn across the window by tensioned spring units. Fabric is neatly held in place and remains taut by the side channels. Available in both square and rounded profiles, the powder-coated aluminium headbox provides a discreet and stylish solution for overhead shading. The C57T can be made to a maximum size of 3m X 3m.

Benefits:

The YewdaleDefiant® C57T provides absolute control over the blind at the touch of a button due to the single channel hand held transmitter, making this blind easy to operate in otherwise difficult areas. The discreet and slim powder-coated aluminium headbox allows the blind to blend in with the interior design of the room whilst providing the shading solution required. This blind is bracketless which eliminates room for light-seepage and is simpler to install in comparison to other overhead blinds.

Options:

Square or rounded headbox; Black or white hardware, hard-wired or RTS motor. It is recommended that only the following fabric is used in conjunction with this product: Roach.

Specification:

The YewdaleDefiant® C57-90/120T electric overhead cassetted blind with Tracker Fabric Retaining System as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, on a grooved 53/70mm aluminium barrel along with aluminium bottom bar as standard. The barrel, driven by a 230v AC motor, operates the blind by means of tensioned spring units connected to the bottom bar. Twin black/white powder-coated aluminium headbox cassettes, side and bottom channels and bottom bar.

Find this product on NBS Source

Cassetted Blind Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)
C57-90T	105 x 95mm	53mm	50 x 24.8mm
C57-120T	140 x 120mm	53 / 70mm	50 x 24.8mm

Please note, this systems tension box will provide a pinging sound during operation. Some rippling may occur at the edges of the fabric.

Laser Blinds For Operating Theatres

Features:

The YewdaleDefiant® Laser Material provides protection from stray laser radiation and is available on a full spectrum of YewdaleDefiant® roller blinds.

Benefits:

Available on a full range of YewdaleDefiant® roller blind systems to ensure there is a solution to virtually all laser blocking requirements. All blinds are made to measure. Recommended systems are detailed below: R20; R20C; R40; R55; VPF; C74; C75.

Options:

Laser fabric available in black; Suitable for chain, crank, and electric operation; Suitable for vision panel flaps.

Specification:

YewdaleDefiant® Laser Material products for protection from stray laser radiation as manufactured by Yewdale, +44 (0)1268 570900.

Tracker Fabric Retaining System

Features:

The unique YewdaleDefiant® Tracker Fabric Retaining System guarantees 100% fabric fastness and completely eradicates the common call-out problems of 'fabric blowing/been pushed out of the side channel'. The channel measures 50 x 24.8mm and is available in black or white hardware. Suitable for the C40/C44/C45, C47, C56T and C57T, the Tracker side channel will cater for both recess and face fix applications. Clever flexible plastic seals maintain constant fabric tension.

Benefits:

The excellent performance characteristics of this unique side channel coupled with its ease of use means that it works with nearly all of the YewdaleDefiant® range of cassetted blinds. It is both popular and ideal for areas such as schools, colleges, universities and hospitals. The unique channel will cater for uneven reveals and provides maximum light exclusion.

Options:

Available in black or white hardware.

Specification:

YewdaleDefiant® C40T-60/90/120, C44T-90/120, C45T-60/90, C47T-90/120, C56/C57T cassetted blind with Tracker Fabric Retaining System as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant fabric from the YewdaleDefiant® range, locked into grooved 32/40/45/53mm aluminium barrel along with aluminium bottom bar as standard. Black/white aluminium cassette, side channels and bottom bar are supported by sturdy brackets. Control options as directed.

Find this product on NBS Source

Cassetted Blind Specification Guide

Cassetted blinds		Min Width	Max Width	Max Drop	Max m²
C20-60	Sidewinder 60mm Cassette	200	2050	2150	3.5
C20-90	Sidewinder 90mm Cassette	200	3450	4250	6.5
C20-120	Sidewinder 120mm Cassette	200	4700	5750	11.5
C22-60	Braked Spring 60mm Cassette	450	1800	2150	4.3
C24-90	Crank 90mm Cassette	200	3450	4250	6.5
C24-120	Crank 120mm Cassette	200	4700	5750	10.0
C25-60	Electric 24v 60mm Cassette	500	2650	2350	7.0
C25-90	Electric 24v 90mm Cassette	500	2650	3350	7.0
C27-90	Electric 230v 90mm Cassette	570	3450	3450	10.0
C27-120	Electric 230v 120mm Cassette	570	4700	5750	11.5
C29-60	Battery 60mm Cassette	533	2650	2350	4.8
C29-60	Battery 90mm Cassette	533	2650	3350	4.8

Based on fabric weight of 400g/m², e.g. Dart. Larger sizes may be possible with lighter/thinner fabrics.

Cassetted blinds with side channels		Min Width	Max Width	Max Drop	Max m²
C40-60	Sidewinder 60mm Cassette with Side Channels	200	2050	2000	3.5
C40-90	Sidewinder 90mm Cassette with Side Channels	200	3450	3250	6.5
C40-120	Sidewinder 120mm Cassette with Side Channels	200	4700	5000	11.5
C44-90	Crank 90mm Cassette with Side Channels	200	3450	3250	5.5
C44-120	Crank 120mm Cassette with Side Channels	200	4700	5000	10.0
C45-60	Electric 24v 60mm Cassette with Side Channels	533	2650	1500	3.9
C45-90	Electric 24v 90mm Cassette with Side Channels	533	2650	2000	6.6
C47-90	Electric 230v 90mm Cassette with Side Channels	570	3450	2450	9.0
C47-120	Electric 230v 120mm Cassette with Side Channels	570	4700	5000	11.5
C49-60	Battery 60mm Cassette with Side Channels	533	2650	1500	3.9
C49-90	Battery 90mm Cassette with Side Channels	533	2650	2000	4.8

Based on fabric weight of 400g/m², e.g. Dart. Larger sizes may be possible with lighter/thinner fabrics.

Cassetted blinds with tracker side channels		Min Width	Max Width	Max Drop	Max m²
C40-60T	Sidewinder 60mm Cassette with Tracker Side Channels	200	1000	1500	1.5
C40-90T	Sidewinder 90mm Cassette with Tracker Side Channels	200	2000	2000	3.0
C40-120T	Sidewinder 120mm Cassette with Tracker Side Channels	200	3450	3450	10.5
C44-90T	Crank 90mm Cassette with Tracker Side Channels	200	3450	2850	5.5
C44-120T	Crank 120mm Cassette with Tracker Side Channels	200	3450	3450	9.0
C45-60T	Electric 24v 60mm Cassette with Tracker Side Channels	533	2650	1000	2.65
C45-90T	Electric 24v 90mm Cassette with Tracker Side Channels	533	2650	2000	5.3
C47-90T	Electric 230v 90mm Cassette with Tracker Side Channels	570	3450	2450	8.45
C47-120T	Electric 230v 120mm Cassette with Tracker Side Channels	570	3450	3450	10.0
C49-60T	Battery 60mm Cassette with Tracker Side Channels	533	2650	1000	2.65
C49-90T	Battery 90mm Cassette with Tracker Side Channels	533	2650	2000	5.3

Based on fabric weight of 220g/m e.g. Thames and a 120mm headbox. Thicker / thinner fabric will affect the maximum blind sizes.

Cassetted blinds with tracker side channels		Min Width	Max Width	Max Drop	Max m²
C56-90T	Crank 90mm Overhead Cassette with Tracker Side Channels	570	2400	3000	5.0
C56-120T	Crank 120mm Overhead Cassette with Tracker Side Channels	570	3000	3500	5.0
C57-90T	Electric 230v 90mm Overhead Cassette with Tracker Side Channels	570	2400	3000	6.0
C57-120T	Electric 230v 120mm Overhead Cassette with Tracker Side Channels	570	3000	3500	8.75

Based on fabric weight of 390g/m e.g. Eden Blackout and a 120mm headbox. Thicker / thinner fabric will affect the maximum blind sizes.

YewdaleDefiant® Blackout Units

All YewdaleDefiant® blinds are carefully built to exacting standards, giving years of trouble-free service. The superior design features and quality components enable them to be confidently specified for the most demanding environments.

Many YewdaleDefiant® blinds feature vandal-resistant controls and mechanisms, and are frequently seen in hospitals, schools, colleges and other public buildings, as well as the regular commercial and residential environments.

YewdaleDefiant® blackout units offer you the ultimate in light exclusion providing exceptional performance of 100% light block where such criteria is a minimum requirement. Incorporating pile seals, light-transfer baffles and a positive consistent fabric tension, the C7 range is the blackout system of choice for many contract applications. You can find them regularly in use in operating theatres, drama studios, school halls, home cinemas and the like.

The full range is distributed globally through a network of partners providing an unrivalled level of support, and with experienced installation and service teams to exceed your expectations.

C74 Crank Blackout	**41**
C75 Electric Blackout	**42**
C76 Overhead Crank Blackout	**43**
C77 Overhead Electric Blackout	**44**
Specification Guide	**45**

LIFETIME Warranty

This blackout unit range comes with a full lifetime warranty as standard.

C74 Crank Blackout

Features:

The YewdaleDefiant® C74 crank control blackout unit features a heavy duty 1:5 gear mechanism operated by a magnetic detachable crank handle. As standard, all hardware is available in Black/White powder-coated aluminium, with moulded Black/White plastic fittings, for face or recess fixing and encloses 53mm grooved aluminium barrel. Heavy-duty gear mechanism at right, controlled by fixed crank handle. Blackout fabric, with heavy-duty bottom bar, is locked into a groove in the barrel and runs in 75mm side channels. Slim bottom channel makes for positive attachment to side channels. Light-transfer baffles within side and bottom channels, and side channels and head-box fitted with pile-seal light sealing.

Benefits:

The C74 is the blackout unit of choice for many contract applications. Offering 100% blackout properties, it is simple to operate and very strong, covering large windows with ease. It is in use in many schools and hospitals where dependability is an essential requirement, but its sleek good looks are at home wherever high performance light exclusion is called for.

Options:

No bottom channel, with bottom bar running down to sill; Fixed crank handle; Available in any RAL colour.

Specification:

The YewdaleDefiant® C74 crank control 100% blackout unit with magnetic detachable crank handle as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant blackout fabric from the YewdaleDefiant® range, locked into grooved 53mm aluminium barrel along with aluminium bottom rail as standard. Heavy duty 1:5 geared crank mechanism is housed within black/white powder-coated aluminium head-box cassette, side and bottom channels and bottom bar supported by sturdy brackets.

Blackout Unit Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)	Side cheek
C74	100 x 100mm	53mm	75 x 20mm	Metal

C75 Electric Blackout

Features:

The YewdaleDefiant® C75 electric blackout unit features a 230v AC motor as standard. All hardware in black powder-coated aluminium, with moulded black plastic fittings, for face or recess fixing and encloses 53mm grooved aluminium barrel, controlled by 230v AC motor. Blackout fabric, with heavy-duty bottom bar, is locked into a groove in the barrel and runs in 75mm side channels. Slim bottom channel for positive attachment to side channels. Light-transfer baffles within side and bottom channels, and side channels and head-box fitted with pileseal light sealing. The motor is controlled by a switch/transformer which may be surface or flush mounted (not supplied as standard).

Benefits:

The C75 is a premium 100% blackout unit with the luxury of fingertip electrical control. Its quiet and reliable motor is housed within the barrel and supported by sturdy, aluminium cassette system. With the RF or infrared remote, and/or group control option, almost any control configuration can be achieved.

Options:

No bottom channel, with bottom bar running down to sill; Remote and/or group control systems; Available in any RAL colour.

Specification:

The YewdaleDefiant® C75 electric 100% blackout unit with 230v AC motor as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant blackout fabric from the YewdaleDefiant® range, locked into grooved 53mm aluminium barrel along with aluminium bottom rail as standard. 230v AC motor housed within black/white powder-coated aluminium head-box cassette with side and bottom channels and bottom bar.

Blackout Unit Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)	Side cheek
C75	100 x 100mm	53mm	75 x 20mm	Metal

C76 Overhead Crank

Features:

The YewdaleDefiant® C76 crank operation overhead blackout unit's hardware is black powder-coated aluminium for face or recess fixing. Enclosed are 53mm and 57mm grooved aluminium barrels. Blackout fabric is locked into a groove in the barrel and runs in 75mm side channels. Light-transfer baffles are located within the side and bottom channels, and the side channels and head-box is fitted with pile-seal light sealing. Fabric is mounted onto a sprung 57mm aluminium barrel whilst at the other end is fitted to an aluminium bottom rail, attached to two draw tapes. These tapes are attached, between flanged guides, to the 53mm drive barrel, operated by heavy duty 1:5 gear control mechanism and magnetic detachable crank handle.

Benefits:

The C76 blackout unit is the ultimate in choice for 100% light exclusion requirements for sloping or horizontal roof windows. With heavy duty componentry and tensioning action by powerful spring to the fabric roller, these blinds may be confidently specified for awkward or inaccessible locations. The magnetic detachable crank handle removes the common issues associated with locating the drive at height and solves the problem of unauthorised use.

Options:

Fixed crank handle; Available in any RAL colour.

Specification:

The YewdaleDefiant® C76 crank overhead blackout unit with 1:5 geared crank as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant blackout fabric from the YewdaleDefiant® range, on 57mm aluminium barrel with enclosed spring attached to aluminium bottom rail as standard. 53mm drive barrel connected to gear control crank mechanism operates blind by means of draw-tapes to the bottom bar. Black/white powder-coated aluminium headbox cassettes, side and bottom channels and bottom bar. Incorporating detachable crank handle.

Blackout Unit Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)	Side cheek
C76	100 x 100mm	53 & 57mm	75 x 20mm	Metal

C77 Overhead Electric

Features:

The YewdaleDefiant® C77 electric overhead blackout unit with a Yewdale motor. All hardware in black powder-coated aluminium for face or recess fixing and enclosing 53mm and 57mm grooved aluminium barrels. Blackout fabric, with heavy duty bottom rail, is locked into a groove in the barrel and runs in 75mm side channels. Light-transfer baffles are within the side and bottom channels, and the side channels and head-box are fitted with pile-seal for light sealing. Fabric is mounted onto a sprung 57mm aluminium barrel whilst at the other end it is fitted to an aluminium bottom rail, attached to two draw tapes. These tapes are attached, between flanged guides, to the 53mm drive barrel, operated by a 230v AC Yewdale motor.

Benefits:

The C77 blackout unit is the ultimate in choice for 100% light exclusion requirements for sloping or horizontal roof windows when an electrically operated solution is sought after. With heavy duty componentry and tensioning action by powerful spring to the fabric roller, these blinds may be confidently specified for awkward or inaccessible locations. The 230v AC motor, which provides the luxury of reliable electrical fingertip control, is housed within the barrel and supported by sturdy, aluminium cassette system.

Options:

Remote and/or group control systems; Available in any RAL colour.

Specification:

The YewdaleDefiant® C77 electric overhead blackout unit with 230v AC motor as manufactured by Yewdale, +44 (0)1268 570900. Flame retardant blackout fabric from the YewdaleDefiant® range, on 57mm aluminium barrel with enclosed spring attached to aluminium bottom rail as standard. 53mm drive barrel connected to gear control crank mechanism operates blind by means of draw-tapes to the bottom bar. Black/white powder-coated aluminium headbox cassettes, side and bottom channels and bottom bar. Incorporating 230v AC motor.

Blackout Unit Profile Dimension Guide

Model	Cassette Size (HxD)	Barrel Size Ø	Side Channel Size (WxD)	Side cheek
C77	100 x 100mm	53 & 57mm	75 x 20mm	Metal

Blackout Unit Specification Guide

Blackout units	Min Width	Max Width	Max Drop	Max m²
C74 Crank Blackout Unit	400	3600	3600	9.0
C75 Electric 230v Blackout Unit	570	3600	3600	10.8
C76 Overhead Crank Blackout Unit	600	2000	2000	4.0
C77 Overhead Electric 230v Blackout Unit	700	2000	2000	4.0

Based on fabric weight of 400g/m², e.g. Dart. Larger sizes may be possible with lighter/thinner fabrics.

YewdaleDefiant® Insect Screens

All YewdaleDefiant® Insect Screens are carefully built to exacting standards, giving years of trouble-free service. The superior design features and quality components enable them to be confidently specified for the most demanding environments.

The provision of insect screens at door and window openings is a legal requirement in areas where food is prepared for public consumption, such as restaurants, works canteens, schools, hospitals and public buildings. YewdaleDefiant® screens comply with the relevant Health and Safety regulations, and all frame sections are manufactured from hygienic white powder-coated aluminium extrusions. The PVC coated glass fibre mesh is rot-proof and flame-retardant.

The greatly enhanced interior environment provided by YewdaleDefiant® screens is an important contributor to the quality of life in many situations, both residential and commercial. The screens are unobtrusive, with simple and attractive detailing and quality components. The full range is distributed globally through a network of partners providing an unrivalled level of support, with experienced installation and service teams to exceed your expectations.

F30 Sidewinder 47

F32 Spring 48

F40 Single Door 49

F40D Double Door 49

LIFETIME Warranty

This insect screen range comes with a full lifetime warranty as standard.

F30 Sidewinder

Features:

The YewdaleDefiant® F30 retractable insect screen utilises a simple bead-chain sidewinder control as standard. White metal universal brackets for secure top fixing with powder-coated extruded aluminium cassette and side guide channels. Rot-proof PVC coated fibreglass mesh is locked into the barrel and bottom bar profile.

Benefits:

The discreet yet attractive profile of the F30 roll-up system provides a perfect solution for almost all types of window or door openings. A strong focus on a trouble-free quality mechanism with high-grade nylon fittings ensures consistency of operation.

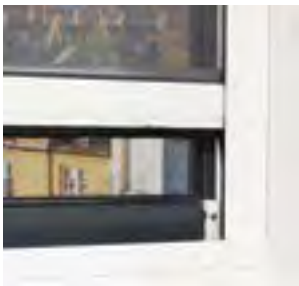
For child safety information see page 3

Specification:

The YewdaleDefiant® F30 retractable insect screen with sidewinder operation as manufactured by Yewdale, +44 (0)1268 570900. Roll-up flame retardant, rot-proof PVC coated fibreglass mesh within white powder-coated aluminium cassette, guide channels and bottom bar. Supported by sturdy metal brackets and incorporating plastic control chain.

Insect Screen Specification Guide

Model	Min Width	Max Width	Min Drop	Max Drop	Max M²
F30	650	1600	400	2500	3.5



F32 Spring

Features:

The YewdaleDefiant® F32 retractable insect screen with advanced slow-rise spring control ensures smooth and quiet operation. White metal universal brackets for secure top fixing with powder-coated extruded aluminium cassette and side guide channels. Rot-proof PVC coated fibreglass mesh is locked into the barrel and bottom bar profile.

Benefits:

The discreet yet attractive profile of the F32 roll-up system will complement the décor of many interiors. Coupled with the ease of the advanced spring operation, this system is perfectly suited to a wide range of both commercial and domestic applications. A strong focus on a trouble-free quality mechanism with high-grade nylon fittings ensures consistency of performance.

Specification:

The YewdaleDefiant® F32 retractable insect screen with advanced slow-rise spring operation as manufactured by Yewdale, +44 (0)1268 570900. Vandal resistant spring and decelerator mechanism is housed within white powder-coated aluminium cassette. Roll-up flame retardant, rot-proof PVC coated fibreglass mesh held securely inside guide channels and bottom bar. Supported by sturdy metal brackets.

Insect Screen Specification Guide

Model	Min Width	Max Width	Min Drop	Max Drop	Max M^2
F32	600	1800	400	2500	3.5

F40 Single Door
F40D Double Door

Features:

The YewdaleDefiant® F40 horizontally retractable insect screen with advanced slow-rise spring control ensures smooth and quiet operation. Available as single door unit (F40) or double door unit (F40D) as applicable. White metal universal brackets for secure top fixing with powder-coated extruded aluminium cassette and side guide channels. Rot-proof PVC coated fibreglass mesh is locked into the barrel and bottom bar profile.

Benefits:

The slim, unobtrusive profile of the F40 roll-up system provides a suitable solution for doorways and large window openings in areas where food preparation is carried out. The 43mm cassette units will complement the décor of many interiors and the advanced spring operation ensures a reliable, consistency of use.

Specification:

The YewdaleDefiant® F40/F40D horizontally retractable single/double insect screen unit with advanced slow-rise spring operation as manufactured by Yewdale, +44 (0)1268 570900. Vandal resistant spring and decelerator mechanism is housed within white powder-coated aluminium cassette. Roll-up flame retardant, rot-proof PVC coated fibreglass mesh held securely inside guide channels and bottom bar. Supported by sturdy metal brackets.

Insect Screen Specification Guide

Model	Min Width	Max Width	Min Drop	Max Drop	Max M²
F40	400	1200	1000	2500	3.0
F40D	800	2500	1000	2500	6.0

YewdaleDefiant® Vertical Blinds

All YewdaleDefiant®blinds are carefully built to exacting standards, to give years of trouble-free service. The superior design features and quality components enable them to be confidently specified for the most demanding applications.

YewdaleDefiant® vertical blinds are designed for intensive use and are frequently to be seen in busy public areas such as hospitals and schools, as well as commercial and residential environments.

The YewdaleDefiant® vertical blind programme is very comprehensive, ranging from slim premium profiled units to heavy-duty electrically controlled blinds. The YewdaleDefiant® fabrics programme encompasses a vast range of fabrics, all of which are flame-retardant to government standards. Fabric types include dim-out, black-out, solar reflective, sunscreen and solar film.

All YewdaleDefiant®blinds are supplied in a fully made to measure form, completely ready for ease of installation on site. Some systems are also available in a comprehensive individual component form - for ease of use within any in-house manufacturing facility.

The full range is distributed globally through a network of partners providing an unrivalled level of support, with experienced installation and service teams to exceed your expectations

VL30 Premium Profile 51

VL60 Mono 52

VL64 Crank 53

VL65 Electric 230v AC 54

LIFETIME Warranty

This vertical blind range comes with a full lifetime warranty as standard.

BIM model available

VL30/1 Premium Profile

Features:

The YewdaleDefiant® VL30 premium profile vertical blind has a 40 x 25mm premium white aluminium head-rail with top-fix brackets and wheeled carrier trucks. The constant transport of the louvres is guaranteed by the precision made aluminium spindle shaft. Metal control chain operation with built in slip clutch for louvre tilt. Louvres are supplied in 127mm and 89mm widths with weights and white stabilising chain.

Benefits:

Robust and with a high quality level of performance, including smooth and quiet operation, the VL30 remains still visually pleasing to the eye. The comprehensive truck options satisfy the most demanding environments whether it's residential or commercial. This system has been designed to offer a trouble-free solution throughout its lifetime.

Approved to work with the YewdaleKestrel® Anti-Ligature system.
For child safety information see page 3

Options:

VL31 wand control; Spring metal trucks; Enclosed weights; VL30S sloping; Face fix brackets.

Specification:

The YewdaleDefiant® VL30 premium profile vertical blind with chain control as manufactured by Yewdale, +44 (0)1268 570900. 40 x 25mm white powder-coated aluminium head-rail with tilt control by metal control chain and cord draw operation. Replaceable truck hooks, or spring metal truck hooks, with 127/89mm louvres in flame retardant fabric from the YewdaleDefiant® range, complete with louvre weights and white stabilising chain.

NBS Source

Find this product on NBS Source

Vertical Blind Specification Guide

Model	Min Width	Max Width	Max Drop	Max M²
VL30 Premium profile	300	4550	4550	20.7
VL31 Premium profile	300	4550	4550	20.7

Based on fabric weight of 220g/m², e.g. Thames. Use of heavier fabrics may require appropriate reductions.

YewdaleDefiant® Vertical Blinds

BIM model available

VL60 Mono

Features:

The YewdaleDefiant® VL60 vertical blind has a 45 x 36.5mm white aluminium head-rail with top-fix brackets and wheeled carrier trucks. The constant transport of the louvres is guaranteed by a precise aluminium spindle shaft. Mono control operation by metal control chain with built in slip clutch for both louvre tilt and draw. Louvres are supplied in 127mm and 89mm widths with weights and white stabilising chain.

Benefits:

The VL60 offers the ease of mono control - a comfortable gear change mechanism with large chain wheel caters for continuous transport and automatically switches from tilting to traversing. By pulling the metal ball chain the louvres tilt and then traverse. The strong head-rail and the wheeled carrier trucks are designed to withstand the rigours of intensive use, whilst the ingenious mechanism allows precise control of light transmission. A robust, long-lasting blind, and one that is delightfully simple to operate.

Approved to work with the YewdaleKestrel® Anti-Ligature system.
For child safety information see page 3

Options:

VL60S sloping head-rail versions; Face fix brackets; Extension brackets; Enclosed weights.

Specification:

The YewdaleDefiant® VL60 mono vertical blind with chain control as manufactured by Yewdale, +44 (0)1268 570900. 45 x 36.5mm white powder-coated aluminium head-rail with mono control by metal control chain. 127/ 89mm louvres in flame retardant fabric from the YewdaleDefiant® range, complete with louvre weights and white stabilising chain.

Vertical Blind Specification Guide

Model	Min Width	Max Width	Max Drop	Max M²
VL60 Mono control	300	4550	3200	14.5

Based on fabric weight of 220g/m², e.g. Thames. Use of heavier fabrics may require appropriate reductions.

VL64 Crank

Features:

The YewdaleDefiant® VL64 vertical blind has a 45 x 36.5mm white aluminium head-rail with top-fix brackets and wheeled carrier trucks. The constant transport of the louvres is guaranteed by a precise aluminium spindle shaft. Fixed crank operation with built in slip clutch for both louvre tilt and draw. Louvres are supplied in 127mm, and 89mm widths with weights and white stabilising chain.

Benefits:

The VL64 offers the ease of mono control - a comfortable gear change to ensure the continuous movement, automatically switching from tilting to traversing. By turning the crank handle the louvres tilt and then traverse. The strong head-rail and wheeled carrier trucks are designed to withstand the rigours of intensive use, whilst the ingenious mechanism allows a precise control of light transmission. A long-lasting blind, and delightfully simple to operate.

Approved to work with the YewdaleKestrel® Anti-Ligature system.

Options:

VL64S sloping head-rail versions; Face fix brackets; Extension brackets; Enclosed weights; Detachable crank.

Specification:

The YewdaleDefiant® VL64 mono vertical blind with crank operation as manufactured by Yewdale, +44 (0)1268 570900. 45 x 36.5mm white powder-coated aluminium head-rail with mono control by crank handle. 127/89mm louvres in flame-retardant fabric from the YewdaleDefiant® range, complete with louvre weights and white stabilising chain.

Vertical Blind Specification Guide

Model	Min Width	Max Width	Max Drop	Max M²
VL64 Crank control	300	4550	3200	14.5

Based on fabric weight of 220g/m², e.g. Thames. Use of heavier fabrics may require appropriate reductions.

YewdaleDefiant® Vertical Blinds

VL65 Electric 230v AC

Features:

The YewdaleDefiant® VL65 vertical blind has a 45 x 36.5mm white aluminium head-rail with top-fix brackets and wheeled carrier trucks. The constant transport of the louvres is guaranteed by a precise aluminium spindle shaft. Electric 230v AC operation with built in slip clutch controls both louvre tilt and draw. Louvres are supplied in 127mm, and 89mm widths with weights and white stabilising chain. Single or split draw.

Benefits:

The VL65 offers the ease of mono control - a precision driven gearbox to ensure continuous movement and one which automatically switches from tilting to traversing. By operating the electric control switch the louvres tilt and then traverse. The strong head-rail and wheeled carrier trucks are designed to withstand the rigours of intensive use, whilst the ingenious mechanism allows precise control of light transmission. Another robust, long-lasting blind from Yewdale.

Options:

VL65S sloping head-rail versions; Face fix brackets; Extension brackets; Enclosed weights; Radio remote control; Group control.

Specification:

The YewdaleDefiant® VL65 electric vertical blind with 230v AC electric motor as manufactured by Yewdale, +44 (0)1268 570900. 45 x 36.5mm white powder-coated head-rail with mono control by electric operation. 127/89mm louvres in flame retardant fabric from the YewdaleDefiant® range, complete with louvre weights and white stabilising chain.

Vertical Blind Specification Guide

Model	Min Width	Max Width	Max Drop	Max M²
VL65 Electric	400	4550	3200	14.5

Based on fabric weight of 220g/m², e.g. Thames. Use of heavier fabrics may require appropriate reductions.

yewdale Defiant®
FABRIC AND BLIND SYSTEMS

yewdale.co.uk Hassle-free shading systems

YewdaleDefiant® Venetian Blinds

All YewdaleDefiant® blinds are carefully built to exacting standards, to give years of trouble-free service. The superior design features and quality components enable them to be confidently specified for the most demanding applications.

YewdaleDefiant® venetian blinds are designed for intensive use and are frequently to be seen in busy public areas such as offices and showrooms, as well as other commercial and residential environments.

YewdaleDefiant® venetian blinds are the premium shading solution that provides the control and quality expected from Yewdale, whilst never compromising on the style. These venetian blinds utilise durable aluminium slats that come with a choice of over 80 colours, meaning that they can fit comfortably into nearly any environment. The headrails, bottom bars, ladders and cords are coordinated with the choice of colour to allow for seamless integration into the room.

The innovative control systems allow for easy operation, and give excellent control over the amount of light entering the room. The traditional three cord mechanism of the VN25 provides a robust and smooth movement whilst the VN25S's unique mono control gives a clean and neat appearance.

The YewdaleDefiant® venetian blinds have an extra deep headrail that allows for wider installations, requiring less brackets. For installations with a drop of over two metres, a side guiding option is available.

VN25 Tilt Wand 57

VN25S Mono Chain 58

LIFETIME Warranty

This venetian blind range comes with a full lifetime warranty as standard.

VN25 Tilt Wand

Features:

The YewdaleDefiant® VN25 Venetian Blind includes, as standard, a premium extra depth headrail, (27 x 24mm) with top fix turning fixing key brackets. The quality aluminium slats are 25mm wide with a 0.21mm thickness. The movement of the 25mm slats is guaranteed by the traditional 3 cord lock mechanism and the aluminium slats are controlled with a tilt wand mechanism for precision angles.

Benefits:

Robust and vibrant with a high quality level of performance, including smooth operation, the VN25 is visually pleasing to the eye. The comprehensive colour options satisfy almost every environment whether it be residential or commercial. The extra deep headrail can accommodate wider installations and requires less brackets. This system has been designed to offer a trouble-free solution throughout its lifetime.

Options:

The VN25 system has a vast range of coloured and textured aluminium slats. Which can be co-ordinated with headrails, bottom bars, ladders and cords. A side guiding option is available for installations with a drop of over 2 metres.

Specification:

The YewdaleDefiant® VN25 premium Venetian blind with tilt wand and cord control as manufactured by Yewdale, +44 (0)1268 570900. 27 x 24mm colour coated aluminium headrail in 44 colours and closed rail bottom bars also in 44 colours, both with colour co-ordinated ladders and cords. Aluminium 25mm slats with 0.21mm thickness with an impressive collection of 81 colours and textures.

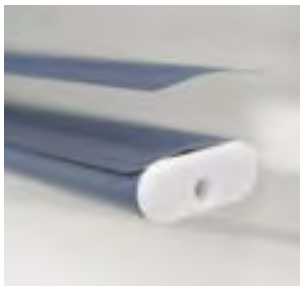
NBS Source

Find this product on NBS Source

Venetian Blind Specification Guide

Model	Min Width	Max Width	Max Drop	Max M²
VN25	290	3000	3000	6.25

YewdaleDefiant® Venetian Blinds



VN25S Mono Chain

Features:

The YewdaleDefiant® VN25S Venetian Blind includes, as standard, a premium extra depth headrail, (27 x 24mm) with top fix turning fixing key brackets. The quality aluminium slats are 25mm wide with a 0.21mm thickness. The unique mono chain control only requires one mechanism for the whole system. Therefore the blind is easily operated from one end giving a neater appearance overall. This innovative mechanism ensures the blind constantly stays level when lifted and slats can be angled more accurately.

Benefits:

Robust and vibrant with a high quality level of performance, including smooth operation, the VN25S is visually pleasing to the eye. The comprehensive colour options satisfy almost every environment whether it is residential or commercial. The extra deep headrail can accommodate wider installations and requires less brackets. This system has been designed to offer a trouble-free solution throughout its lifetime.

For child safety information see page 3

Options:

The VN25S system has a vast range of coloured and textured 25mm aluminium slats, which can be co-ordinated with headrails, bottom bars, ladders and cords. A side guiding option is available for installations with a drop of over 2 metres.

Specification:

The YewdaleDefiant® VN25S premium Venetian blind with mono chain control as manufactured by Yewdale, +44 (0)1268 570900. 27 x 24mm colour coated aluminium headrail in 44 colours and closed rail bottom bars also in 44 colours, both with colour co-ordinated ladders and cords. Aluminium 25mm slats with 0.21mm thickness with an impressive collection of 81 colours and textures.

Find this product on NBS Source

Venetian Blind Specification Guide

Model	Min Width	Max Width	Max Drop	Max M²
VN25S	400	2500	2500	5

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FABRIC AND BLIND SYSTEMS

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YewdaleDefiant® Perfect Fit® Blinds

All YewdaleDefiant® blinds are carefully built to exacting standards, to give years of trouble-free service. The superior design features and quality components enable them to be confidently specified for the most demanding applications.

YewdaleDefiant® Perfect Fit® blinds are housed within a stylish frame which attaches directly to the window or door, creating a modern appearance that is becoming very popular in homes and commercial buildings. These Perfect Fit® blinds take a matter of minutes to install. No drilling is required! The blinds are held by metal brackets that slot into the window's seal.

We produce all our Perfect Fit® blinds under short lead times. Complete the installation in much less time than traditional blinds. Let us know the measurements for a window or door, and we will produce a Perfect Fit® blind that you can effortlessly install.

Not only are Perfect Fit® blinds the easiest type to install, they also provide benefits that traditional blinds don't. Discover the benefits of Perfect Fit® blinds now.

Perfect Fit® roller blinds 61

Perfect Fit® venetian blinds 62

Perfect Fit® pleated/cellular blinds 63

Perfect Fit® roller blinds

Features:

Perfect Fit® roller blinds are simple to operate and look great in any environment. Contrary to traditional blinds, Perfect Fit® blinds attach to the window or door. Stylish, modern blinds have never been faster or easier to install. No drilling or screwing required. Can be easily removed for cleaning. Wide range of fabrics to choose from.

Benefits:

Installing Perfect Fit® roller blinds is a breeze. Includes small metal brackets which slide into the seal of the window or door. The brackets slot into the blind's frame, holding it in place. No holes need to be drilled into the uPVC frame. The roller blind is operated by hand, thanks to its spring tension system. The handle on the bottom bar rotates backwards and forwards to lock at the desired position. Since the Perfect Fit® blind attaches to the door or window, it will move with them. This is ideal for glass doors and windows that open inwards that would knock into a standard blind. Perfect Fit® roller blinds can be fitted upside down, which is great for cafes and other storefronts. Fitting the blind directly to the window ensures that there are no gaps that light can enter through, achieving better light control. This design also helps to retain heat during winter and prevent heat from entering during summer. Perfect Fit® blinds are completely child-safe because there are no hanging cords or loops. Delivered free from damage.

Options:

Frame colour options: White, Black, Anthracite. Other colours available on request.

Most YewdaleDefiant® fabrics are available excluding Roach and Laser

Specification:

The YewdaleDefiant® Perfect Fit® roller blind incorporating an aluminium frame, window fixing brackets, end caps and corner joints. The main default hardware colour for the Perfect Fit® blinds is white. All fabrics in the YewdaleDefiant® range is flame retardant.

Roller Blind Specification Guide

Model	Min Width	Max Width	Min Drop	Max Drop	Max M^2
PFR20	350mm	1400mm	200mm	2000mm (Depending on Fabric Thickness)	2.4m

YewdaleDefiant® Perfect Fit® Blinds

Perfect Fit® venetian blinds

Features:

Our Perfect Fit® Venetian blinds combine the luxurious appearance of a standard Venetian blind with the ease of installing a perfect fit® blind. The blind is supplied with right-angled metal brackets which you push into the window seal. The blind's frame has slots which accommodate the brackets, holding the shading system in place.

Benefits:

Installing Perfect Fit® Venetian blinds is quick and easy. No holes need to be drilled into the uPVC frame. The blind is fitted to the window, reducing the gap that light and air can pass through. Perfect Fit® blinds suit glass doors and windows that open inwards because the blind moves with them. Perfect Fit® blinds are completely child-safe because there are no hanging cords or loops. The handle on the bottom bar controls the open and close of the blind within the frame and the wand controls the tilt of the slats. Delivered free from damage by Yewdale Elite delivery vans.

Options:

Frame colour options: White, Black, Anthracite. Other colours available on request.

Most YewdaleDefiant® Venetian slats are available

Specification:

The YewdaleDefiant® Perfect Fit® Venetian blind incorporating an aluminium frame, window fixing brackets, end caps and corner joints. The main default hardware colour for the Perfect Fit® blinds is white. All fabrics in the YewdaleDefiant® range is flame retardant.

Venetian Blind Specification Guide

Model	Min Width	Max Width	Min Drop	Max Drop	Max M²
PFV20	205mm	1600mm	200mm	2500mm	3.5m

Perfect Fit® pleated blinds

Features:

Our Perfect Fit® pleated blinds stack away neatly when raised and provide excellent shading when lowered. This stylish pleated blind can be quickly attached to a uPVC window or door. The spring tension system allows the blind to be operated by hand.

Benefits:

This Perfect Fit® pleated blind is easy to install using the metal brackets which slot into the seal of the window. The blind then connects to these brackets, which hold it up. Simple operation thanks to the handle on the bottom bar.

Well-suited to cafes and restaurants because you can install them upside down. They are also ideal for doors and windows that open inwards which would be obstructed by standard blinds. Closer fit to the window than standard blinds, reducing the amount of light that gets through. There are no hanging cords or loops, ensuring complete child-safety.

Perfect Fit® pleated cellular blinds

Features:

Our Perfect Fit® pleated cellular blinds feature an aesthetically pleasing design that provides better insulation than a standard blind. Produced under short lead times in our UK factory.

Benefits:

Our Perfect Fit® pleated cellular blind provides the same benefits as the standard pleated blind. This cellular design traps air inside the cells, providing great insulation during summer and winter.

Options:

Frame colour options: White, Black, Anthracite. Other colours available on request.

Most YewdaleDefiant® Venetian slats are available

Specification:

The YewdaleDefiant® Perfect Fit® Venetian blind incorporating an aluminium frame, window fixing brackets, end caps and corner joints. The main default hardware colour for the Perfect Fit® blinds is white. All fabrics in the YewdaleDefiant® range is flame retardant.

Perfect Fit® Pleated and Pleated Cellular Blind Specification Guide

Model	Min Width	Max Width	Min Drop	Max Drop	Max M²
PFP20 & PFC20	205mm	1525mm	200mm	2500mm	3.5m

CI/SfB 1976 reference by Sfb Agency			
	(76.7)	X	

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