

NATURAL WINDOWCOVERINGS, WALLCOVERINGS & TEXTILES HANDCRAFTED FOR THE TRADE IN EDITIONS OF ONE

In the language of fine art, every Hartmann&Forbes product is truly "one of one." A unique, commissioned work, handcrafted in editions of one to create the ultimate in personal expression. Our single-minded commitment to quality is matched by singular, one-to-one service. You'll find this spirit woven through everything we do.

CONTENTS

19

GENERAL INFORMATION

020

WORKING WITH US

022

THE PLANET

25

NATURAL WINDOWCOVERINGS

026

THE H&F

DIFFERENCE

027

ORDERING NATURAL WINDOWCOVERINGS

031

NATURAL WOVEN

SHADES

091

FABRIC SHADES

115

PERFORMANCE

ROLLERSHADES

135

TOP TREATMENTS

145

BY-THE-YARD TEXTILES

147

NATURAL FABRIC

147

NATURAL WOVEN

PANELS

147

NATURAL BORDER

TRIM

149

NATURAL WALLCOVERINGS

151

ORDERING NATURAL

WALLCOVERINGS

152

NATURAL FIBERS

154

SAFETY BY DESIGN

155 TRADE

SHOWROOMS

EFFECTIVE JULY 1, 2022

PO Box 1149 | Tualatin, OR 97062 | hartmannforbes.com | t 503.692.9313 | 888.582.8780 | f 503.692.9315

© Copyright 2022 Hartmann&Forbes,® Inc. All rights reserved. All design information, samples, photographs, text, graphics, layout, weave and shade names and other materials included in this book are protected as the proprietary intellectual property of Hartmann&Forbes, Inc. Reproduction, adaptation or duplication, in whole or in part, is prohibited except by express written permission of Hartmann&Forbes, Inc.





NATURAL WINDOW COVERINGS

OUR APPROACH IS ONLY NATURAL

We begin the process of creating luxury woven shades by choosing only the finest sustainable fibers, each rapidly-renewable and grown in well-managed ecosystems. Every strand is hand-selected for subtle variations of color and texture. After dyeing, sun bleaching and hand-tying each fiber, a loom master custom weaves our signature designs to your window dimensions.

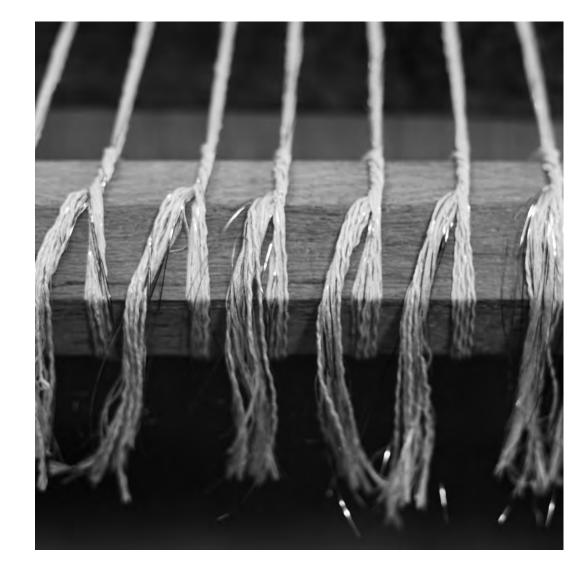
Shade finishing is done in our Pacific Northwest facility by skilled American craftspeople — each shade carefully crafted to your unique requirements.





EVERY PIECE THAT WEARS OUR LABEL IS A TRUE EDITION OF ONE, MADE WITH THE UTMOST CARE AND BACKED BY CONCIERGE SERVICE.

YOUR CHOICE OF WEAVING METHODS



To serve a broad range of design, lead time and cost requirements, we offer two distinct weaving methods — Woven-to-Size [WTS] and Tailored-to-Size [TTS].

Each comes with certain advantages — to best suit a given project — and both guarantee the same level of unsurpassed quality in finish and detail.



OUR TRUE MADE-TO-ORDER PROCESS

Once an order is received, artisans prepare the natural fibers, which are then handwoven to window dimensions within a ½" tolerance. The hallmark of this method is the loom-finished edge — a meticulous technique of looping weft fibers at each edge, then shuttling them back through the loom to create a continuous warp-edge finish. This requires a longer lead time, but delivers an exquisite shade-edge detail and wide, seamless widths.

IN-STOCK

TTS

TAILORED-TO-SIZE

OUR CONVENIENT, PRE-WOVEN APPROACH

Fibers are prepared and woven into roll goods which are inventoried in our finishing facility. Once an order is received, we precisely trim and tailor each shade material to size. Edges are meticulously stitched when necessary for a finished-edge appearance. Since materials are already in stock, TTS offers a shorter lead time and lower price point, but may have size limitations due to roll widths.



HANDWOVEN COLLECTIONS



Passed from generation to generation, traditional handweaving techniques are the heart of our premium Woven-to-Size collections. We believe that natural fibers come alive in the gifted hands of weavers who have mastered their craft over time. Here, each shade is woven-to-order, to bring home a sense of sanctuary — one perfect window at a time. Offered in seamless widths up to 180."





STUDIO CONCEPTS

ARCHETYPE WEAVES IN THE MAKING

Founded by artistic curiosity and aimed at presenting a grouping of individual, limited-edition designs of exotic fibers that, over time, may evolve and reside inside a broader collection.



GRASSWEAVE

OUR SIGNATURE HANDWOVEN LINE

A modern collection of organic textures, earthy colors and sophisticated patterns. Artisanally handwoven of premium natural fibers, ranging from arrowroot, ramie, abaca, banana tree, vetiver root, palm leaf, water hyacinth and walingi.



GRASSWEAVE ESSENCE™

A SHADE FOR EVERY ROOM

A versatile plain weave of ramie fiber, providing a design foundation for every space and style. Lightweight construction and sophisticated colorways pair with a wide range of H&F collections and feature a myriad of custom capabilities.



GRASSWEAVE ORIGINS™

A DESIGN INDUSTRY CLASSIC

Drawing insight from the past to carry tradition forward, this collection of classic evenly-spaced warp designs made of palm, bamboo husk, and other exotic fibers, delivers beautiful light-play as sun rays gently filter through the open grass weaves.



PAPYRUSWEAVE®

MOMENTS OF MINDFUL ZEN

An unassuming, refined elegance defines this modern collection of hand-loomed wood-pulp fibers. Designed in textural patterns with soft tonal hues that invite a serene and tranquil mood to interiors.

TAILORED-TO-SIZE

HANDTAILORED COLLECTIONS



Rest assured, we take no shortcuts in our legacy Tailored-to-Size collections.

To embrace shorter lead times and lower price points, we simply weave our natural fibers into pre-woven roll goods kept on hand in our Oregon facility.

Here, artisans tailor every weave to your precise requirements and hand-finish the edges — crafting each shade to be truly one of one.



GRASSWEAVE

LEGACY FIBERS AND TEXTURES

This timeless, textured collection tailored of legacy natural fibers has a relaxed and comfortable charm. Classic jute, bamboo, river reed and sea grass are woven in a broad range of designs from Japanese Miyabi inspired refinement to bold and chunky.



PAPYRUSWEAVE®

A WELL-TRAVELLED COLLECTION

A collection of wood-pulp fiber designs, celebrating legendary techniques found in global weaving communities. Influenced by Asian silks, Navajo weaves, European tapestries, Ottoman rugs and other weaving heritages.



COLOURWEAVE®

AN ART-INFUSED PORTFOLIO OF WEAVES

A palette of designs woven of the inside peel of sustainably-grown bamboo. Custom painted or stained-to-order by local artisans in modern and traditional matchstick patterns. Available in standard or custom colors.

SOFT NATURAL FABRIC COLLECTION



A fresh translation of textural classics, our soft natural fabrics offer hints of the exotic while remaining grounded in the modern moment. Loomed in some of the world's oldest and most revered textile mills, fibers are carefully spun and dyed to a rich and earthy color palette.



ERTHEWEAVE®

RELAXED AND EARTHY LINENS OF RICH HERITAGE

An exquisite collection that masterfully blends artistry, luxury, and style with environmental sensitivity. Woven of natural flax fibers in historic weaving workshops, all bearing the Masters of Linen mark, authenticating excellence and 100% European traceability at each stage of processing.



PERFORMANCE FABRIC COLLECTIONS



A collection of designs using man-made fibers woven to achieve peak performance characteristics including heat and glare reduction, UV filtration and privacy. Fabrics are durable, meet or exceed commercial fire standards and are virtually maintenance-free.



ECOWEAVE®

GREEN PERFORMANCE

An eco-friendly, low-impact solution for challenging environments. Greenguard certified. PVC-free. Tightly woven, with a tailored feel, in versatile earth tones that nicely complement our natural woven collections.



PRIVACY FABRICS

DESIGNED PERFORMANCE

A broad collection of decorative fabrics with the look and feel of rich cloth in a soothing range of colors. Sheers to gently filter light, Translucent to dial the sun down and Blackout to block the sun.



SOLARSCREEN

DURABLE PERFORMANCE

Blending vinyl-coated fiberglass and polyester yarns with the latest in green PVC technology, Solarscreen lets you balance outward visibility and shade with just the right degree of openness.



BY-THE-YARD TEXTILES

Our natural textiles are available By-the-Yard or By-the-Panel, offering the flexibility to use our one-of-one designs in a myriad of applications. Architects, designers and workrooms have utilized this program to design some of the finest private estates, luxury hotels and creative office environments around the world.





"I envisioned weaves to be used in as many ways as possible, and yes, lighting, furniture upholstery, screens — even lanterns, and handbags."

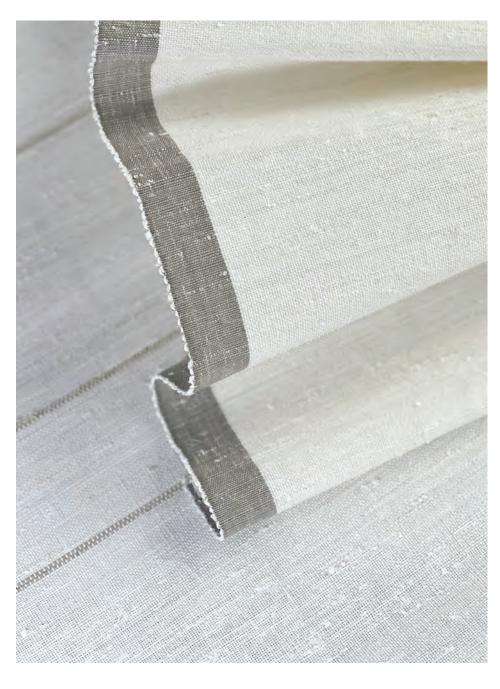
~ AMY MEIER

Amy Meier Design

CUSTOMIZATION

Our unique custom capabilities allow us to offer a broad range of design solutions. Our weaving and fabrication capabilities are unmatched.

Customize a weave to achieve the color or design that best fits your project — remove, change or add threads, widen the warp edge or color match a room detail. The possibilities are endless.



- "When designing my new home, I had the privilege of working with the Hartmann&Forbes team to create a gorgeous custom weave. The finished product is a stunning accent that adds unique texture and timeless appeal to any space."
- ~ MARIE FLANIGAN Marie Flanigan Interiors



NATURAL WALL COVERINGS

WE SEE WALLS AS WINDOWS, TOO.

The presence of light and shade on a wall should always enhance your natural surroundings. Our collection of authentic grasscloth surface materials is created from rapidly-renewable fibers such as abaca, sisal, ramie and jute. Each textile is woven and finished by hand before being carefully backed.

Here you'll find sanctuary, and inspiration wall-to-wall. From the warm, herbal tones of wine country to traditional Southern geometry, each design reflects a distinctly American personality. An all-embracing way to feel even more at home.







TRADE SHOWROOMS

Professionally trained showrooms can support you with specifying, quoting and general ordering assistance. For showroom locations visit hartmannforbes.com

H&F CONCIERGE SERVICE

CUSTOMER RELATIONS

To support our unique products, we pride ourselves on service that's absolutely one-of-a-kind. Please call on our concierge team to answer any questions, and help with quoting and ordering, troubleshooting, warranty, repairs and sample tools from 7am to 5pm (PST).

AUTOMATION SPECIALISTS

As a complimentary service, an Automation Specialist can collaborate with your team of architects, builders, installers and integrators to ensure your project is properly specified.

CONTACT US

MAILING PO Box 1149 | Tualatin, OR 97062

SHIPPING

Contact Customer Relations

WEBSITE hartmannforbes.com EMAIL hfcr@hartmannforbes.com PHONE 503.692.9313 | 888.582.8780 FAX 503.692.9315





REFERENCE KIT

Printed with low energy and UV inks on FSC certified paper, the Reference Kit provides a step-by-step system to specify your project for quoting and ordering. The kit includes:

PRODUCT PORTFOLIO

A print catalogue featuring inspirational room photography and weave detail; the Product Portfolio is designed to assist in selecting your chosen fabric and to be used with the Style Guide and the Price List.

STYLE GUIDE

Used in tandem with the Product Portfolio and Price List, the Style Guide provides visual examples of each style, specifications and design considerations along with available options and upgrades.

PRICE LIST

Once styles and weaves are selected, the Price List provides measuring instructions, complete fabric detail and pricing.

HARTMANNFORBES.COM

Login to hartmannforbes.com to view inspirational photography, weave images, specifications, pricing, support materials and more.



NOTE: You'll find QR codes throughout the Reference Kit. To access content online, hover over QR code with your smartphone camera and click link shown.

NO-CHARGE MEMOS

Memos are ideal for getting a sense of color, opacity and texture of a weave. They are excellent for presenting to clients or for use with project boards. Memos are available at your representative showroom or online 24/7 at hartmannforbes.com

DESIGNER SAMPLE KITS

Designed to neatly store and organize memo samples, Designer Sample Kits are available by collection or custom-filled by color, texture or price point.



THE PLANET

At Hartmann&Forbes, we are intricately intertwined with our natural world. This connection generates a deeper appreciation for the planet and a greater sense that we need to participate in the preservation of its treasures for future generations. It's with thoughtful consideration that we continually seek ways to minimize our impact throughout the harvesting, weaving and finishing processes, as well as drive change within our industry.

WINDOWCOVERING RECLAMATION

In 2006, we launched the Take-Back Initiative — the first-of-its-kind in our industry — to collect used windowcoverings from our clients. Any shades that are fit to be reused are donated to the ReBuilding Center in Portland. Those that can't be reused are disassembled and the shade's fabric and components are recycled. We strive to reclaim all used samples and shades in order to keep them out of landfills.

ENVIRONMENTAL STEWARDSHIP

We cultivate each rapidly-renewable fiber in well-managed ecosystems, to ensure that we leave a smaller environmental footprint. We recognize that the social impact of our cultivation, weaving and handcrafting process is equal to that of our environmental impact. Use our natural products in good conscience, knowing that we work with communities to preserve cultural traditions, support their economic needs and help build a foundation for future generations.

PROJECT GREEN



We started Project Green in 2005 to foster a company culture of environmental responsibility. Over time, it has evolved from the passion of our founder and a committee of fervent employees into a company-wide, collaborative effort. This has led to numerous initiatives, such as SOLVE Beach Cleanup, the use of Forest Stewardship Council (FSC) certified or post consumer paper, corporate recycling, a renewable energy program and the use of recyclable shipping products.

TOP 100 GREEN WORKPLACES

We have been rated one of Oregon's best green workplaces for a decade. Recycling, energy conservation and selective use of rapidly-renewable fibers are just a few of the initiatives that draw sustainability-minded Oregonians to work for Hartmann&Forbes and sets our company apart.



022 | HARTMANNFORBES.COM | 888.582.8780 | HARTMANNFORBES.COM | 023







UNIQUE DESIGNS

Inspired by nature's raw beauty, H&F offers the industry's broadest range of natural designs in earthy colorways and nuanced textures. and a series of unique Designer Collections.

SUSTAINABLE FIBERS

Weaving luxurious natural textiles begins by choosing only the finest rapidly-renewable fibers hand picked for color, texture and subtle variegations.

NATURALLY WIDE SHADES

We offer the industry's widest continuously woven widths, up to 180"W for seamless coverage of large modern window expanses.

SPECIALTY SHAPES

Custom capabilities to allow fabrication of a variety of custom shapes made to your specifications, including: Arch Top, Angle Top and A-frame.

Made from the shade material or liner and finished with a lightweight internal hem bar, a valance is a decorative detail that also conceals componentry.



VALANCE

LINING

Offered in three different opacities, fabric liner is handstitched to the back of the shade, providing shade protection, privacy and sun control.



HAND-STITCHED RINGS

Clear rings and safety shroud are carefully hand stitched to the back of the shade allowing color coordinated lift cords to draw through rings.



TAPERED HEM BAR [WTS]

Shade material is wrapped and hand stitched to a handhewn tapered, wood hem bar, delivering an unparalleled finished detail.



HANDWOVEN ARTISTRY

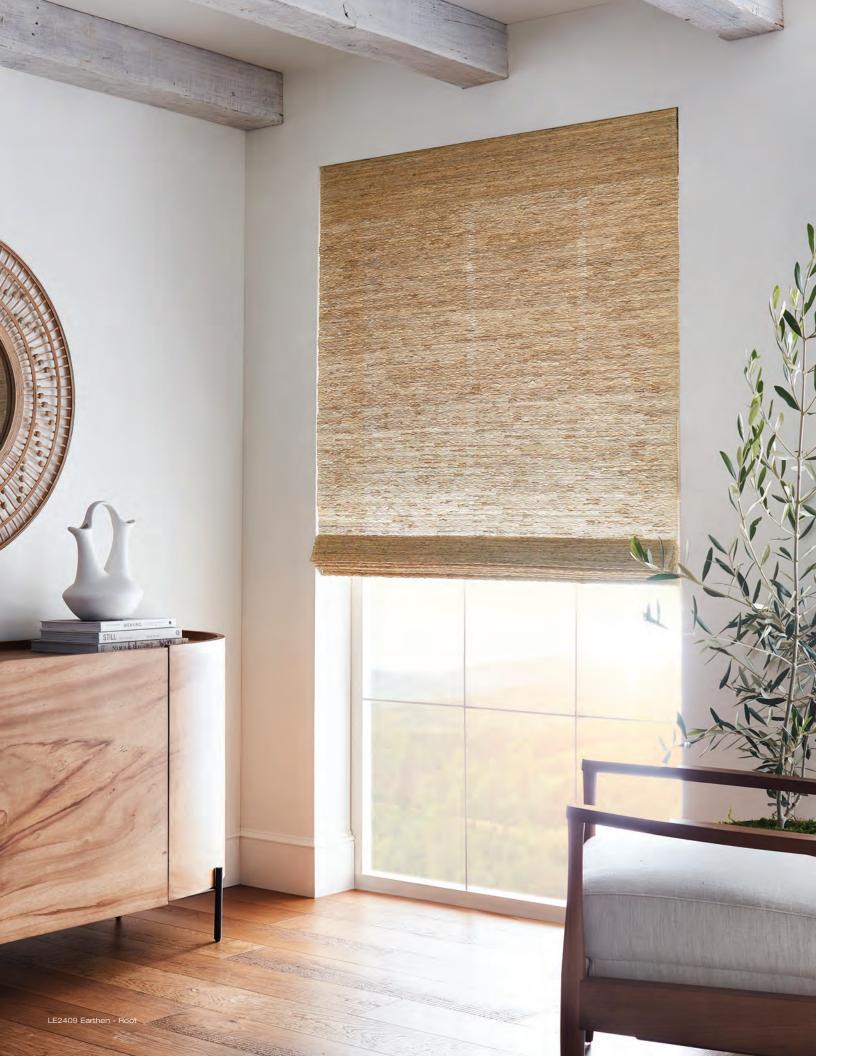
H&F products are recognized for their unparalleled handworked details and quality finishing - each woven and crafted by skilled artisans, creating one-of-one originals.

INNOVATIVE SHADE STYLES

A wide selection of shade styles including: Roman Style, Roller Style, Splitview and Dual Shades which allows complete control over light and privacy.

AUTOMATION

Whether automating a single window or an entire home, we provide innovative options. With motor and control solutions for any project, the possibilities are endless and easier than ever before.



ORDERING NATURAL WINDOWCOVERING

SELECT WEAVE

For full library of designs, refer to Product Portfolio or online at hartmannforbes.com



WOVEN-TO-SIZE [WTS]
Grassweave



TAILORED-TO-SIZE [TTS]
Grassweave
Papyrusweave
Colourweave



SOFT NATURAL FABRIC Ertheweave



PERFORMANCE FABRIC Ecoweave Solarscreen Privacy

REVIEW WEAVE DETAILS

For weave information including price group, privacy index, repeat, content, maximum width, system availability and special notes, refer to the Price List or online at hartmannforbes.com

MEASURE

Papyrusweave

Follow measuring instructions, refer to the Price List or online at hartmannforbes.com

SPECIFY

Follow the Step-by-Step numbers in this Style Guide to fill out a worksheet. Once complete email to H&F at cr@hartmannforbes.com

- · Natural Woven Shades p031-p089
- · Fabric Shades p091-p113
- · Performance Rollershades p115-p133
- · Top Treatments p135-p143

PRICE

For pricing and worksheets refer to Price List or online at hartmannforbes.com

For assistance with specifying or ordering please contact your local representative showroom or H&F.



HOW TO SPECIFY NATURAL WOVEN SHADES

COLLECTIONS Grassweave | Papyrusweave | Colourweave

1	SELECT SHADE STYLE	
	Old Style	.033
	Traditional Style	.035
	Sudare	. 037
	Splitview Style	.039
	Arch Top Angle Top Custom Shapes	
	Roller Style	
	Rollerfold Style	
2	SELECT UPGRADED VALANCES & SIDE RETU	RNS
	Lined Rear/Front Lined Shade Top Valances	.046
	Old Style Front Extra Density	. 047
	Side Returns	.048
	Brackets - Outside Mount	.049
3	SELECT METHOD OF OPERATION	
	Overview	
	Cordlock	.053
	Legacy Clutch - Roman	.054
	Ultra Clutch - Roman	.055
	Ultra Clutch - Roller	. 057
	Newton	.059
	Automation	.060
	Controls	.064
	Customer Provided Motors Motor Ready	.065
		550
4	SELECT PRIVACY & SUN CONTROL UPGRA	
	Overview	
	Privacy Liner Fabric	
	Dual Shade	
	Extra Density Weaving	074
	SELECT UPGRADES	
_5	Overview Commercial Flame Retardancy	075
	Sewn Ribs	
	Drop Hem Fixed Fold Hem	
	Edge Customization	
	Edge Binding	
	COM Trim	
	Multiple Shades on One Headrail	
	Corner and Bay Windows	.082
	SUPPORT INFORMATION	000
	French Doors	.085

SHADE STYLES



OLD STYLE

A modern classic, this roman shade style is simple and clean with the shade fabric falling off the front of the headrail. Operating method is located behind shade fabric. See Size Limitations Chart *p086*

DETAILS

Headrail: Fabric wrapped wood headrail. Headrail depth based on method of operation, see chart *p087*

Valance: Inside mount – 6"L rear valance made from the shade fabric.

Some motors require 8"L, see chart p088

Valance lined with color coordinated translucent liner for weaves with privacy level 1 or 2, see options *p046*

Outside mount – Valances not included as standard, available upon request as a front or back valance. If valance is specified, side returns will match valance length

Side Returns: Outside mount – Side returns made from the shade fabric *p048*, length dependent on method of operation, see chart *p088*

Deductions: Inside mount – %"W overall deduction taken for operating clearance (WTS shades may vary 1/8"-5/8"W)

Outside mount – no deduction taken
(WTS shades may vary up to ½"W overall)

Lift Cords: Color coordinated lift cords draw through hand-stitched rings and child-safety shroud

DESIGN CONSIDERATIONS

- \cdot If casement depth is limited, consider % " x % " or 1" x 1" headrail with cordlock
- · Stacking varies when in full up position, see roman shade stacking dimensions *p089*
- · Pull-cords located behind the shade, making any manual method of operation difficult to access behind inside mount shades
- · To add an architectural detail consider adding an Old Style front valance p047
- · When specifying butting shades or mounting shades between fixed objects, contact H&F for support



Inside Mount



Bottom Hems



Tailored-to-Size Tacked round hem



Outside Mount



Front Valance Upgrade, see details p047



TRADITIONAL STYLE

This timeless roman shade style features fabric that falls off the back of the headrail, allowing for accessible operation. Front valance creates an architectural statement while helping to conceal componentry. See Size Limitations Chart p086

DETAILS

Headrail: Fabric wrapped wood headrail. Headrail depth based on method of operation, see chart *p087*

Valance: 6"L front valance made from the shade fabric. Some motors require 8"L, see chart p088

Valance lined with color coordinated translucent liner for weaves with privacy level 1 or 2, see options *p046*

Outside mount – Woven-to-Size – woven to headrail width

Tailored-to-Size – ½" wider than shade body to

accommodate side returns

Side Returns: Outside mount – Side returns made from the shade fabric *p048*, length dependent on method of operation, see chart *p088*

Deductions: Inside mount – 3/8"W overall deduction taken for operating clearance (WTS shades may vary 1/8"-5/8"W)

Outside mount – No deduction taken
(WTS shades may vary up to ½"W overall)

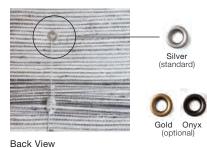
Lift Cords: Color coordinated lift cords draw through hand-stitched rings and child-safety shroud

DESIGN CONSIDERATIONS

- · Stacking varies when in full up position, see roman shade stacking dimensions *p089*
- · For tall windows we recommend specifying a longer valance to conceal componentry and to maintain proper scale and proportion
- · When specifying butting shades or mounting shades between fixed objects, see *p081*, or contact H&F for support

REAR GROMMET DETAILS

Small operating grommets can be viewed from the exterior near top of shade. Select color to coordinate with the exterior of home.



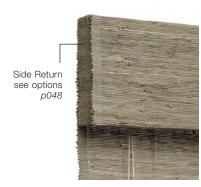








Tailored-to-Size Tacked round hem



Outside Mount



SUDARE STYLE

A fresh interpretation of a classical Japanese style, this shade blends modern roman-fold operation with a hand-sewn decorative bamboofabric trim. See Size Limitations Charts p086

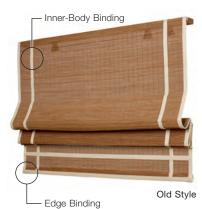
DETAILS

- · Crafted to chosen style specifications and method of operation Old Style *p033*, Traditional Style *p035* or Splitview Style *p039*
- \cdot $^5\!/\!_8$ "W bamboo binding is sewn to the shade edges, bottom hem and the inner-body 3½" from sides and bottom
- · Bottom hem dropped 4"L to showcase inner-body binding trim

DESIGN CONSIDERATIONS

· For wider shades consider increasing the distance of the inner-body binding from the shade edge to maintain scale and proportion.

Available up to 9" from edge





Traditional Style

AVAILABLE WEAVES - JUNSEI COLLECTION



BAMBOO BINDING





SPLITVIEW[™] STYLE

The Splitview Style is ideal when you want to preserve a view, control light or maintain privacy. This roman shade operates from top-down or bottom-up.

Top-Down/Bottom-Up

- · Available in cordlock method of operation
- · Control right operates bottom-up, control left operates top-down

Top-Down Only

- · Available in cordlock, clutch, Newton or automated methods of operation
- · Available control left or right

DETAILS

Headrail: Fabric wrapped wood headrail. Headrail depth based on method of operation, see chart *p087*

Valance: 6"L front valance and 4"L rear valance made from the shade fabric

Valance lined with color coordinated translucent liner for weaves with privacy level 1 or 2, see options *p046*

Outside mount – Woven-to-Size: woven to headrail width
Tailored-to-Size: ¾" wider than shade body
to accommodate side returns

Side Returns: Outside mount – 6"L side returns made from the shade fabric

Deductions: Inside mount – 3/8"W overall deduction taken for operating clearance (WTS shades may vary 1/8" - 5/8"W)

Outside mount – no deduction taken
(WTS shades may vary up to ½"W overall)

Lift Cords: Color coordinated lift cords draw through hand-stitched rings and child-safety shroud

Bottom Hems: Woven-to-Size Collections – hand-sewn tapered oval hem
Tailored-to-Size Collections – tacked round hem

DESIGN CONSIDERATIONS

· Heavier weaves such as bamboo, river reed and the Colourweave Collection may have size limitations due to weight. Some methods of operation may have minimum width limits, see chart *p086*, or contact H&F



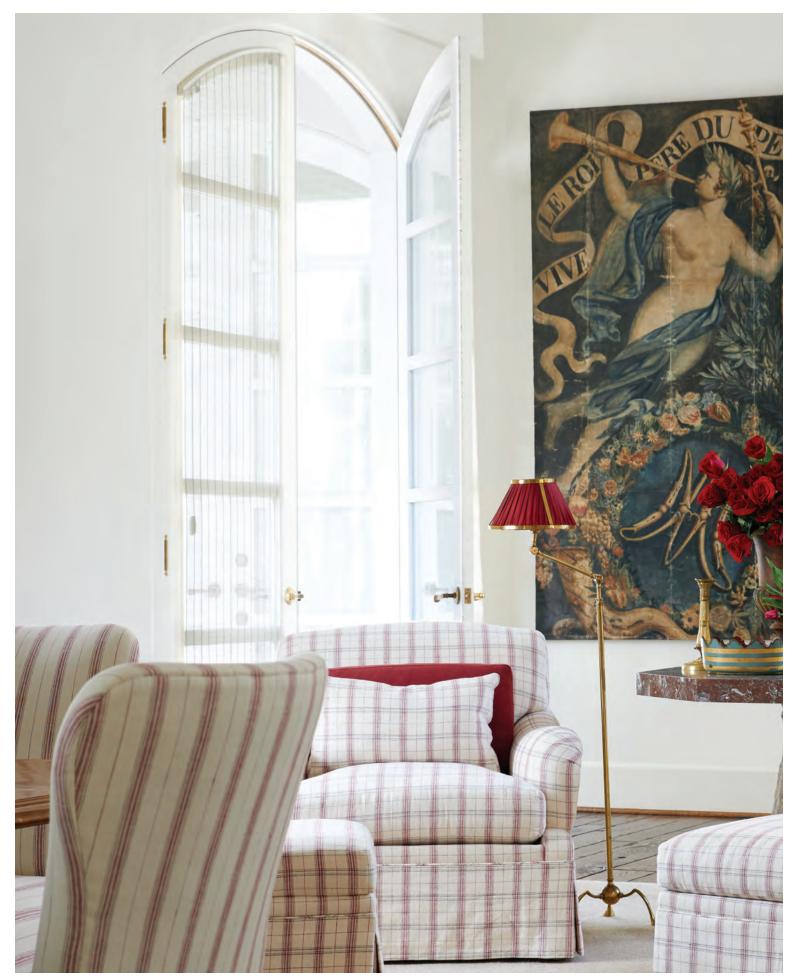
Operating cords spaced 8"-12" apart will be visible in open section of shade

Size Limitation Min. width: 12" Max. width: 96" Max. length: over 152" contact H&F



Top-Down Only with Newton

Size Limitation
Min. width: 12"
Max. width: 120"
Max. length: over 144"
contact H&F



ARCH TOP

A beautiful way to accentuate the architectural curves of an arched or eyebrow window. Roman shades can be custom crafted to fit most any dimension. See Size Limitations Chart *p086*

DETAILS

- · Crafted to Old Style specifications p033, Traditional Style available upon request
- \cdot Wrapped 34"D x 2"H wood arch frame. Window casement requirement dependent on method of operation, see chart p087
- · Shade will raise only as high as the point at which the arch begins
- · Arch tops can be made in many different shapes. A template and detailed drawing is required to begin fabrication. Refer to Price List or hartmannforbes.com for instructions

DESIGN CONSIDERATIONS

· Heavy fabrics made from river reed, bamboo and other rustic fibers may need to be finished with a coordinated trim along the top edge



Front Vie



Back View with Clutch

ANGLE TOP

Angle Top shades are custom crafted to fit angled windows. See Size Limitations Chart p086

DETAILS

- · Crafted to chosen style specifications *p033-p035*
- Fabric wrapped wood headrail. Headrail depth based on method of operation, see chart p087
- · Control located at the lower end of the angled headrail
- · Shade will raise only as high as the lower end of the angled headrail
- \cdot Refer to Price List or hartmannforbes.com for measuring instructions

DESIGN CONSIDERATIONS

· Heavy fabrics made from river reed, bamboo and other rustic fibers may need to be finished with a coordinated trim along the top edge



Front View



Back View with Clutch

CUSTOM SHAPES

If you have a unique project requirement, please contact H&F for support.



ROLLER STYLE

Architecturally simple, the contemporary, Best for Kids Certified Roller Style is both beautiful and highly functional. Rolls up for a minimalistic profile at the top of a window, or can be concealed within a valance or soffit structure. See Size Limitations Chart *p086*

DETAILS

Tube: Fabric rolls onto an aluminum tube and falls from rear of tube closest to window. Reverse roll available

Bracket and tube diameter based on weave selection, method of operation and size of shade. For minimum casement depth requirements, see chart *p087*

Deductions: Shade fabric will measure narrower than specified width to accommodate clutch/motor, idler and brackets

Bottom Hems: Woven-to-Size Collections – hand-sewn tapered oval hem Tailored-to-Size Collections – tacked round hem

DESIGN CONSIDERATIONS

- · Seamless widths available up to 180"W. Refer to hartmannforbes.com for fabric width details
- · Outside mount shades can be mounted to ceiling or wall
- · Shades with lengths over three times the width are not recommended as they may track unevenly
- \cdot Not available with liner or edge binding upgrades. For the look of edge binding see Essence Customization p078
- · Shade is 100% cordless when specified with Newton or Automation
- · We recommend hiring a professional installer to ensure shades are level and shimmed for proper operation. Frayed edges caused by improper installation will not be covered under craftsmanship warranty

LIGHT GAPS



To cover light gap at top of window, consider a stand alone valance *p137*

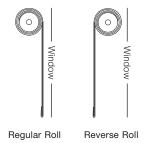
Refer to casement depth requirements p087

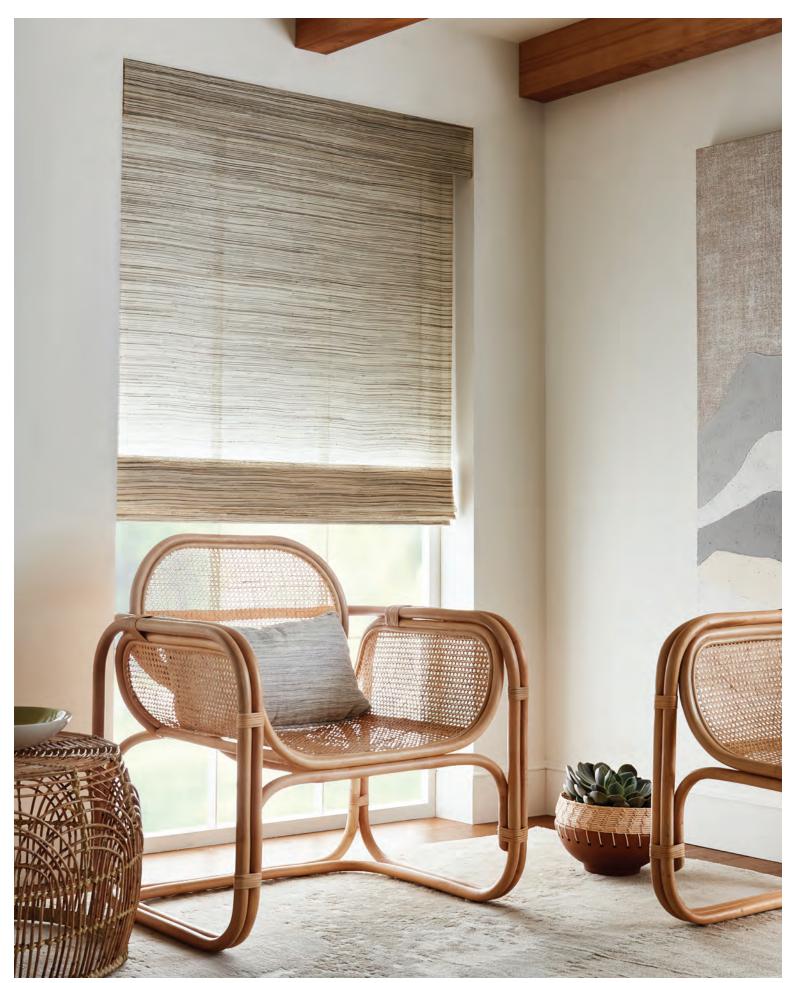


Regular Roll with Clutch



Reverse Roll with Newton





ROLLERFOLD™ STYLE

This patented, award winning style combines the aesthetic beauty of a roman shade with the sleek performance and child safety features of a Roller Style shade. Best for Kids Certified when automated, the Rollerfold eliminates shade-body operational cords yet mimics the look of a roman shade. See Size Limitations Chart *p086*

DETAILS

Tube & Headrail: Fabric rolls onto an aluminum tube. Diameter of tube based on

weave selection, method of operation and size of shade

Fabric falls from rear of tube closest to window. Reverse roll available

Fabric wrapped wood headrail. Headrail depth based on

method of operation, see chart p087

 $\textbf{Valance:} \ \ \textbf{6"L front valance made from shade fabric. Inside mount}$

valance deduction 1/4"W

Valance lined with color coordinated translucent liner for weaves

with privacy level 1 or 2, see options p046

Side Returns: 6"L standard on outside mount shades, see options *p048*

 $\begin{tabular}{ll} \textbf{Deductions:} & \textbf{Shade fabric will measure narrower than specified width} \\ \end{tabular}$

to accommodate clutch/motor, idler and brackets

Shade Body: Three 6"L fixed folds are sewn along shade bottom.

Additional folds available

Bottom Hems: Woven-to-Size Collections – hand-sewn tapered oval hem

Tailored-to-Size Collections – tacked round hem

DESIGN CONSIDERATIONS

- · Shades with lengths over three times the width are not recommended as they may track unevenly
- · Not available with liner fabric or edge binding upgrades
- · Shade back is cordless and ringless, providing a cleaner look than a standard roman shade when viewed from home exterior
- · Shade is 100% cordless when specifying Newton or Automation
- · Consider structured valance *p138* for outside mount shades



2018 WCMA
PRODUCT
OF THE YEAR
WINNER

2018 WCMA BEST NEW STYLE CONCEPT

Roller Style



Structured Valance

2 UPGRADED VALANCES & SIDE RETURNS

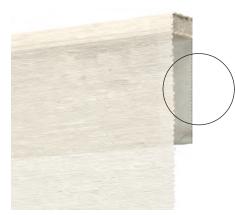
VALANCES

In addition to the standard valance, which is included for roman style shades, there are other options available for additional componentry concealment. For a complete listing of standard valance lengths by style see chart *p088*. If lining your shade, see rear liner valance p068.



Liners p069

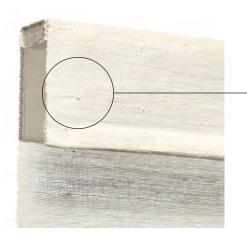
LINED REAR/FRONT VALANCE - NO-CHARGE OPTION



Liner fabric is handsewn to inside of rear valance. If ordering a shade with a more sheer fabric (Privacy Level 1 or 2), the valance will come lined with translucent liner standard. For Privacy Levels 3 and 4 you must specify if desired.

Front View

OLD STYLE LINED SHADE TOP - NO-CHARGE OPTION



Liner fabric is handsewn to the top 6"-8" of the shade body. This option can replace a lined valance standard or added as an upgrade.

Back View

OLD STYLE FRONT VALANCE



Front View

Made from shade fabric, valance is added to the front rather than the back of shade.

Front & Back Valance - UPGRADE

For additional concealment specify front and back valance.



Front View

EXTRA DENSITY WEAVING - UPGRADE

A unique feature of the Woven-to-Size Grassweave Collections is to custom weave additional weft fibers into the design, see p074.





OLD STYLE - Front View Extra Density is woven into top 6"-8"L of shade body



TRADITIONAL STYLE - Front View Extra Density is woven into the valance



Old Style - 3"L

SIDE RETURNS - OUTSIDE MOUNT

Designed to conceal system componentry on outside mount roman shades, side returns are made from shade fabric and attach to the side of the headrail.

DETAILS

- · Available at no-charge when specified with your shade order. A surcharge will apply and dye lots may not match if ordered separately
- The Woven-to-Size Collections feature looped edges or straight cut edge if looped edge not possible
- · The Tailored-to-size Collections feature straight-cut edge
- · Double-sided adhesive included to hold down side returns and requires dressing during installation
- · Lengths based on styles, see chart p088

DESIGN CONSIDERATIONS

- \cdot Side returns are not available on shades with headrails shallower than 1½"D
- When raising shades to top position the shade may hit the side returns causing it to buckle or flare out. Consider a shorter side return whenever possible



1" x 1" Headrail no side return



Old Style - 4"L



Old Style - 6"L



Traditional Style - 6"L

BRACKETS - OUTSIDE MOUNT

If specifying outside mount roman shades, a range of brackets are available to accommodate specific challenges, including a tight fit to the wall, clearing window moulding or other obstacles.

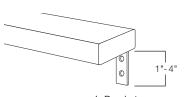
DETAILS

- · L-BRACKETS allow for easier installation of Old Style outside mount shades. Size of bracket dependent on method of operation and will be narrower than headrail depth. Cannot be used on Traditional Style or Old Style with rear valance
- · SLIDING BRACKET features an adjustable projection to minimize gap between headrail and wall

STANDARD BRACKET

	1"D x 1"H*	1½"D 1¾"D	2¼"D 2½"D 2¾"D	3½"D 3¾"D	4"D 4½"D 5¼"D
Old Style without rear valance	1"L-Bracket	11/4"L-Bracket	11/4"L-Bracket	3"L-Bracket	4"L-Bracket
Old Style with rear valance	Sliding	Sliding	Sliding	Sliding	Sliding
Traditional Style	Sliding	Sliding	Sliding	Sliding	Sliding

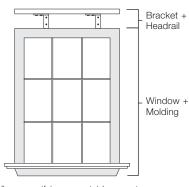
*All headrails are ¾"H except a 1"x1" headrail



L-Bracket Full height dependent on headrail see chart



Sliding Bracket Adjustable projection between headrail and wall up to %"



When specifying an outside mount shade, take into consideration the height of the bracket and window molding when determining length of shade

EXTENSION BRACKET allows outside mount shades to be mounted over deep window moldings. Not recommended if headrail is deeper than 21/4"D. Consider ordering deeper side returns to fill gap between headrail and wall. Available upon request.



Extension Bracket (optional)
2" projection between back of headrail and wall

METHOD OF OPERATION

Selecting the method of operation gives you the flexibility to control the environment based on your client's lifestyle. With the pull of a cord or push of a button, we offer a range of operating methods to suit your project needs.



MANUAL - A time-tested, manually-operated classic



CORDLOCK p053

A classic and proven manual roman shade operating system with an accessible pull-cord, cord pulleys and a cordlock.

NOTE: If no method of operation is specified, shade will be made to cordlock specifications.



CLUTCH *p054-p057*

A clutch mechanism provides operating leverage for manually lifting heavier or larger roman or roller style shades, while ensuring that the shade lifts evenly.

MOTORIZED - Electric motor with a removable, sleek pull chain



NEWTON p059

Most popular contemporary system for controlling a roman or roller style shade — powered by an electric motor with an internal rechargeable battery.

AUTOMATED - Ever evolving technology to improve your quality of life



AUTOMATION *p060*

WIREFREE - A sophisticated wirefree solution that can accommodate most projects.

AC/DC - The ultimate in luxury. Unsurpassed quality and performance for new construction and retrofit projects where wiring is an option.



CUSTOMER PROVIDED MOTOR (CPM) p063

Hartmann&Forbes fabricates shades using customer provided motors and components from providers such as Lutron and Crestron.



CORDLOCK

A classic and proven manual roman shade operating system with a pull-cord, pulleys and a cordlock, ensuring smooth operation and easy lifting.

NOTE: If no method of operation is specified, shade will be made to cordlock specifications

DETAILS

Headrail: 1½"D x ¾"H wood headrail, other sizes available, see chart p087

Cordlock: White or bronze cordlock and pulley coordinate to shade fabric

Lift Cords: Color coordinated to shade fabric unless otherwise specified

Cord shroud applied for child and pet safety

Pull-cords approximately 40% the length of the shade

Cleat: Clear cord-cleat standard, metal cord-cleats available

For shades over 96"L, two cord-cleats may be needed to wrap the cord when shade is in fully raised position

Tassels: Carved wooden tassels are hand painted or stained in rich natural tones. Color coordinated to the shade fabric unless otherwise specified. Custom colors available

Number of tassels (one or two) is dependent on shade width, and will include a cord equalizer

DESIGN CONSIDERATIONS

TASSELS

- · Lift cords are color coordinated to shade fabric. If adding privacy liner, cords will match liner fabric
- · Shades over 72"W may be heavier and more challenging to level when raising. For larger shades consider a clutch *p054*, Newton *p058* or Automation *p060*



Cordlock



Cord Cleat and Tassels

CORD CLEATS

Bamboo

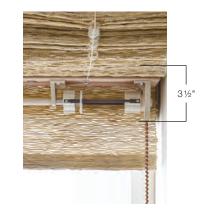












LEGACY CLUTCH - ROMAN

A roman shade clutch mechanism provides operating leverage for manually lifting heavier or larger roman shades, while ensuring that the shade lifts evenly.

DETAILS

Headrail: 21/4"D x 3/4"H wood headrail, other sizes available, see chart p087

Clutch: Vanilla colored clutch, brackets and covers

Control Loop: Color coordinated cord loop standard up to 15lbs. Over 15lbs, a color coordinated chain will be used based on shade weight

Control loop approximately 75% the length of the shade.

Custom lengths available upon request:

- · Cord Loop available 24"-96" in 12" increments
- · Metal Ball Chains available in customizable increments
- · Bead Chain (polymer) available 24"-96" in 12" increments

If any shade on order is changed to a chain, all control loops will match

Control Guide: Clear acrylic p-shaped guide with color coordinated screw used to keep control loops secure by holding the operational cord or chain in place

DESIGN CONSIDERATIONS

- · SLIM CLUTCH available for shallow window casements 11/2"D x 3/4"H headrai
- · Bead chains and Stainless Steel Metal Ball Chain are rust-proof and recommended for humid climates

ULTRA CLUTCH - ROMAN

A robust tube clutch for lifting heavier or larger roman shades. Ideal for high-use/heavy traffic areas, especially commercial installations.

DETAILS

Headrail: 21/2"D x 3/4"H wood headrail, other sizes available, see chart p087

Clutch: White matte (polymer) clutch and bracket

Tube: Lift cord rolls onto a 11/2" aluminum tube

Control Loop: Metal Ball Chain color coordinated to shade fabric, unless otherwise specified

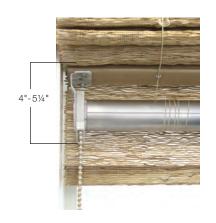
Control loop approximately 75% the length of the shade. Custom lengths available upon request:

- · Metal Ball Chains available in customizable increments
- · Bead Chain (polymer) available 24"-96" in 12" increments

Control Guide: Clear acrylic p-shaped guide with color coordinated screw used to keep control loops secure by holding the operational cord or chain in place

DESIGN CONSIDERATIONS

- · Due to fewer lift cords, roman shades under 36"W may raise unevenly
- · Bead chains and Stainless Steel Metal Ball Chain are rust-proof and recommended for humid climates
- · Can easily be retrofitted for Newton or Automation



CONTROL LOOP OPTIONS

Cord Loop Metal Ball Chain (optional) White Wanilla Stainless Steel up to 40lbs Almond Pewter Cocoa Bronze





CONTROL LOOP OPTIONS



CONTROL GUIDE

Screw colors coordinate with chain unless otherwise specified



Screw Head Colors: White Steel Pewter Bronze Charcoal Black



ULTRA CLUTCH - ROLLER

A roller shade clutch mechanism provides operating leverage for manually lifting roller style shades, while ensuring that the shade lifts smoothly and evenly. See Size Limitations Chart p086

DETAILS

Clutch: Matte (polymer) clutch and cover coordinated to shade fabric, unless otherwise specified. Metal clutch and covers available at no-charge

Brackets: 21/2"-31/2"D based on weave selection and shade size

Control Loop: Metal Ball Chain color coordinated to shade fabric, unless otherwise specified

> Control loop approximately 75% the length of the shade. Custom lengths available upon request:

- · Metal Ball Chains available in customizable increments
- · Bead Chain (polymer) available 24"-96" in 12" increments

Control Guide: Clear acrylic p-shaped guide with color coordinated screw used to keep cord loops secure by holding the operational cord or chain in place

Screw colors coordinate with chain unless otherwise specified

DESIGN CONSIDERATIONS

· Bead chains and Stainless Steel Metal Ball Chain are rust-proof and recommended for humid climates



Bronze Bracket and Cover



Control Guide with Silver Bead Chain

CLUTCH & BRACKET COVER COLOR OPTIONS











CONTROL LOOPS & GUIDES



Metal Colors (optional)















NEWTON® - ROMAN | ROLLER

A contemporary method for controlling shades, the easy-to-use Newton motorized system is powered by an electric motor with an internal rechargeable battery. See Size Limitation Chart p086

DETAILS

- · Motor is concealed inside an aluminum tube (sound level 55-57db)
- · Metal pull chain with Teardrop tassel approximately 40% the length of the shade (custom lengths available upon request). Chain and tassel are removable
- · Rechargeable Lithium ion battery charge life is approx. 500 cycles/one year (daily raise and lower). Flashing LED light will indicate charge required. Recharging kit included with order

Roman:

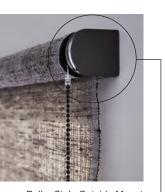
- \cdot Fabric wrapped 21/4"D x 3/4"H wood headrail, other sizes available, see chart p087
- · Mounted with white bracket and no cover unless otherwise specified
- · 6"L valance, unless otherwise specified

Roller

· Matte (polymer) bracket cover coordinated to shade fabric, unless otherwise specified. Metal bracket cover available at no-charge



Roman Style



Roller Style Outside Mount —

CHAIN & TASSEL OPTIONS









BRACKET COVER COLORS

Matte



Metal (optional)



Remote – Single or multi-channel remote (based on number of shades per room: 1 channel, 5 channel, 15 channel)



Our standard offerings use motors and controls from Somfy,® the worldwide leader in shade motor technology. Lutron® shade motors are also available upon request. Motorized shades can be integrated into most common automation platforms including Crestron,® Lutron,® Control4,® Elan® and Savant® They may also be used with voice control systems such as Amazon Alexa® and Google Home.®

STANDARD ROMAN STYLE AUTOMATION SYSTEMS

Battery – 12V WireFree Motor *p61* Low Voltage – 24V Motor *p62* Line Voltage – 120V Motor *p63*

ROLLER STYLE & ROLLERFOLD STYLE AUTOMATION DETAILS

See Performance Rollershade Section

go to page 122 >

AUTOMATION SUPPORT

As a complimentary service, an AUTOMATION SPECIALIST can collaborate with your team of architects, builders, installers and integrators to ensure your project is properly specified. For automation support call 888.582.8780.





BATTERY - 12V WIREFREE MOTOR

This ultra-quiet motor series provides a sophisticated wirefree solution that can accommodate most projects. Control a single shade or the entire house with these pre-programmed, rechargeable battery motors.

NOTE: Roller Style & Rollerfold Style Automation Details see Performance Rollershade Section *go to page 122* **>**

DETAILS

- · Sonesse Wirefree motor series, designed for silence (38-48db)
- · Motor determined by shade weight and size:
- Sonesse Ultra 30: standard
- Sonesse 28 series: used if shade under 28"W

ROMAN STYLE	Headrail	Max. Weight	Min. Width	Valance
Sonesse Ultra 30	21/4"D	17lbs	28"W	6"L
Sonesse 28	2¼"D	8lbs	24"W	6"L
Sonesse 28 External Battery	2½"D	8lbs	161⁄4"W	6"L

- · Motor and battery are concealed inside an aluminum tube and mounted with white brackets
- · Controlled wirelessly through radio frequency. External antenna concealed under valance
- · Rechargeable battery charge life is approx. 500 cycles/one year. Charging kit included

DESIGN CONSIDERATIONS

· Due to fewer lift cords, roman shades under 36"W may raise unevenly when motorized



Sonesse Ultra 30





Narrow shades 16¼-24"W are available with external battery. Battery pack is pre-mounted to headrail



Sonesse 30 DC



Sonesse Ultra 50 DC



Power Supply & Enclosure Kit 5 & 10 Motor – 12"W x 12"L x 6"D 15 & 20 Motor – 18"W x 18"L x 6"D

LOW VOLTAGE - 24V MOTOR

Offering unsurpassed quality and performance for new construction and retrofit projects where wiring is an option. This ultra-quiet and powerful motor series is the perfect solution for luxury spaces.

NOTE: Roller Style & Rollerfold Style Automation Details see Performance Rollershade Section *go to page 122* **>**

DETAILS

Included

- · Sonesse motor series, designed for silence (38-42db)
- · Motor determined by shade weight and size:
- Sonesse 30 DC: standard
- Sonesse Ultra 50 DC: used if shade weight exceeds 17lbs

ROMAN STYLE	Headrail	Max. Weight	Min. Width	Valance
Sonesse 30 DC	21/4"D	17lbs	201/8"W	6"L
Sonesse Ultra 50 DC	3½"D	34lbs	351/8"W	8"L

- Motor is concealed inside an aluminum tube and mounted with white brackets
- · Controlled wirelessly through radio frequency. External antenna concealed under valance
- · Requires individual or group 24V DC power supply
- · Power Supply & Enclosure Kits available in 5, 10, 15 or 20 motor configurations, sold separately. Wall plug-in power supply available for single motor

DESIGN CONSIDERATIONS

- · For tall windows we recommend specifying a custom valance length to maintain proper scale and proportion
- · Due to fewer lift cords, roman shades under 36"W may raise unevenly when motorized

LINE VOLTAGE - 120V MOTOR

Our most powerful motor series to efficiently operate almost any shade dimensions at a nearly silent audible level. These motor systems can be hardwired into electrical systems or plugged into a standard 120V wall outlet.

NOTE: Wiring AC power requires an electrician and a permit.

Roller Style & Rollerfold Style Automation Details see

Performance Rollershade Section *go to page 122*

DETAILS

- · Sonesse motor series, designed for silence (38-42db)
- · Motor determined by shade weight and size:
- Sonesse Ultra 50 AC: standard
- Sonesse 40 AC: used if shade under 353/4"W

ROMAN STYLE	Headrail	Max. Weight	Min. Width	Min. Width	Cable
Sonesse Ultra 50 AC	3½"D	48lbs	35¾"W	8"L	9'L
Sonesse 40 AC	3½"D	34lbs	24%"W	8"L	11'L

- · Open leads standard, Fast Connector or NEMA Plug available
- · Motor is concealed inside an aluminum tube and mounted with white brackets
- · Controlled wirelessly through radio frequency. External antenna concealed under valance

DESIGN CONSIDERATIONS

- · Other cable lengths available
- · For tall windows we recommend specifying a custom valance length to maintain proper scale and proportion
- · Due to fewer lift cords, roman shades under 36"W may raise unevenly when motorized



Sonesse Ultra 50 AC



Fast Connector allows the shade to be disconnected from power without a licensed electrician

CONTROLS

A wireless battery powered control is used to operate your H&F motorized shade. Controls are pre-programmed to your instructions during the fabrication process. Programming and engraving worksheets can be found online at Automation Support at hartmannforbes.com



Hand-Held

The Situo RTS and the Telis 16 hand-held remotes offer simple, convenient control for motorized window coverings.







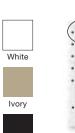
Table-Top & In-Wall

Somfy Decoflex™ RTS - table top and in-wall keypad pre-programmed 1-5 channels available.

Custom engraved buttons available











App, Voice and Integration

TaHoma® is a WiFi bridge that allows you to operate shades while at home or away with a smartphone or tablet. Create custom scenes, schedules and utilize your digital assistant such as Google Assistant and Amazon Alexa.

CUSTOMER PROVIDED MOTOR

Hartmann&Forbes fabricates shades using customer provided motors and components from providers such as Lutron® and Crestron® with upper and lower limits set during fabrication. The installation and final programming is to be performed on project site by a certified integrator/installer. H&F Craftsmanship Warranty limitations apply, refer to Terms & Conditions in the Price List for details.



DESIGN CONSIDERATIONS

· When specifying, check with your motor vendor regarding height of motor bracket to ensure your H&F shade valance, side returns and/or top treatment are long enough to conceal motor and componentry

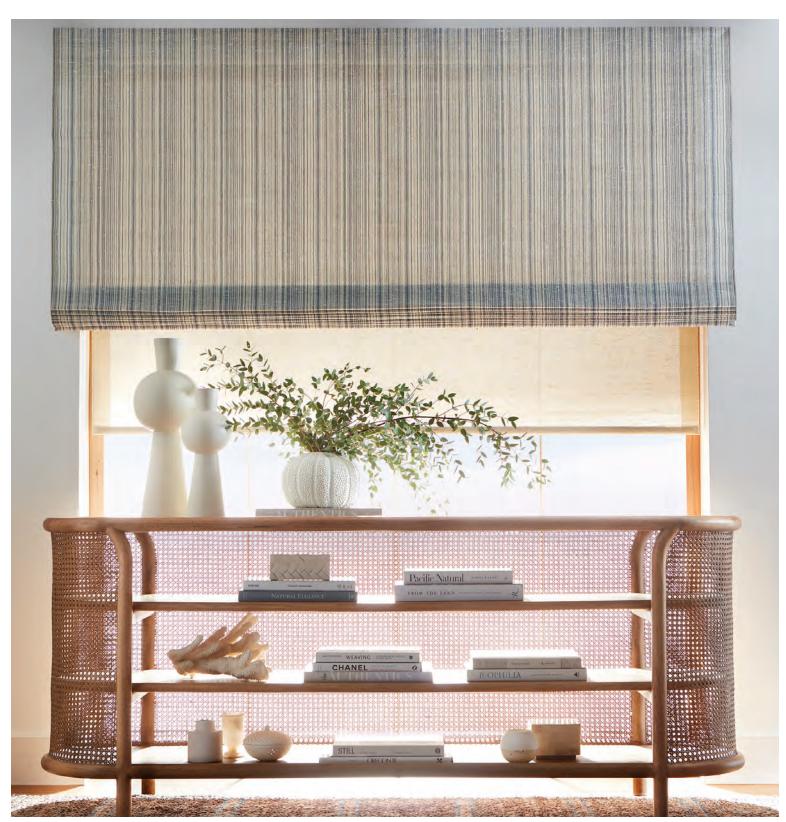


Hartmann&Forbes fabricates shades to motor-ready configurations in preparation for having OEM motors installed by a workroom, custom integrator or other windowcovering specialist. H&F Craftsmanship Warranty limitations apply, refer to Terms & Conditions in the Price List for details.



PRIVACY AND SUN CONTROL

There are several options to provide added privacy or to control the sun's harmful rays from damaging interior furnishings.



PRIVACY LINER

Available in Sheer, Translucent or Black Out, liner fabric is hand stitched to the back of a roman shade for added privacy and sun protection, *p068*

DUAL SHADE

A roller shade, offered in a range of opacities, is mounted behind a roman shade allowing the greatest level of flexibility to control your environment, *p071*

EXTRA DENSITY WEAVING

A feature of the Woven-to-Size Grassweave Collections, additional weft fibers are handwoven into the design providing added privacy and light blockage, *p074*





- Pull-cords coordinate with liner



Back View

- Rear Liner Valance (standard) Valance made from liner fabric



Back View

Rear Valance (no-charge option) from shade fabric

ROMAN SHADES PRIVACY LINER

Liner fabric is hand stitched to the back of a roman shade for added privacy. Available in neutral earth tones to preserve the appearance of the window when viewed from the exterior.

DETAILS

- · Liner is approximately 1/8" 1/4" from shade edge
- · Serged and hand stitched to back of shade at each ring, sides and bottom of shade (blackout not serged)
- · Hand stitched to back of valance
- · If blackout liner is white on reverse side, color side will face the room

(D) DESIGN CONSIDERATIONS

- · If shade is wider than liner seamless width, liner is generally sewn in three vertical panels, or railroaded, unless otherwise specified
- · Pinholes of light will exist where rings are stitched to blackout liner
- · COM liner available as upgrade; must be submitted for pre-approval

Privacy Liner Fabric Colorways

SHEER - An elegant lightweight liner designed to complement the candling effects of natural textiles, while offering an additional veil of privacy.



SH01 Soft White SH02 Linen Max. seamless width: 108" Max. seamless width: 108" Cotton/Poly





SH03 Khaki Max. seamless width: 108"



Max. seamless width: 108" Cotton/Poly



Max. seamless width: 108" Cotton

Max. seamless width: 110"

TRANSLUCENT – A midweight liner that offers more privacy and sunlight control than a sheer liner, while retaining a soft hand and elegant drape.











TR06 Asher Max. seamless width: 52" Cotton/Poly

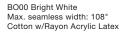


Max. seamless width: 52" Cotton

BLACKOUT - A densely woven insulating liner that blocks 99% of light for complete privacy. Works well in bedrooms, media rooms or when light blockage is desired.

Cotton/Poly







Max. seamless width: 108"



BO02 Linen Max. seamless width: 108" Cotton w/Rayon Acrylic Latex



BO03 Khaki Max. seamless width: 52" Cotton w/Rayon Acrylic Latex



Max seamless width: 108" Cotton w/Rayon Acrylic Latex



Max. seamless width: 108" Cotton w/Rayon Acrylic Latex



Max. seamless width: 108" Cotton w/Rayon Acrylic Latex



Max. seamless width: 52" Poly w/Rayon Acrylic Latex



DUAL SHADE - ROMAN | ROLLER

An independently-operated rollershade mounted behind a natural roman shade, on a shared headrail, provides flexible sunlight and privacy control. Rollershades are offered in a range of weaves and opacities giving you flexibility to control your environment.

DETAILS

- · Shades crafted to chosen style specifications and method of operation
- · Fabric wrapped wood headrail. Window casement requirement dependent on fabric selection, shade size and methods of operation
- \cdot 6"L rear valance made from roman shade fabric. Some motors require 8"L, see chart p088
- \cdot Rollershades under 72"W are pre-attached to the headrail
- · Illustrations below depict the most common configurations. For others, including automation support, contact H&F

DESIGN CONSIDERATIONS

- \cdot For ease of installation, shades wider than 96" need to be ordered as separate shades rather than as a Dual Shade
- Not recommended for outside mount due to projection. Order as separate inside mount roller and outside mount roman shades

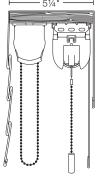


Natural Roman | Performance Rollershade with Automation

OLD STYLE

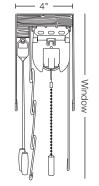


Cordlock | Newton

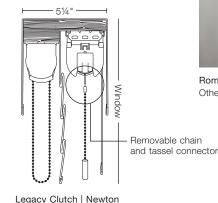


Legacy Clutch | Newton

TRADITIONAL STYLE



Cordlock | Newton



Size Limitations

LEGACY CLUTCH

Min. Width: 15" Max. Width: 96" Max. Length: 84" if over contact H&F

ULTRA CLUTCH Min. Width: 36" if under contact H&F Max. Width: 96" Max. Length: 84" if over contact H&F

NEWTON
Min. Width: 24¼"
Max. Width: 96"
Max. Length: 84"
if over contact H&F

Roman with Cordlock | Roller with Newton Other configurations available, contact H&F

Dual Shade Roller Fabric Options

Any fabric available as a roller shade can be used in a Dual Shade. Featured here are popular, natural and performance, fabrics that pair well with our roman shade collections. Additional fabrics can be seen online or in the Product Portfolio.



LE2657 Tabaret - Lagoon, Old Style Roman | LE3012 Essence - Sand, Roller Style

GRASSWEAVE ESSENCE – A translucent handwoven-to-size fabric of ramie fiber, to pair behind natural roman shades, offered in a broad assortment of calming colorways.



PERFORMANCE 8000 - A translucent fabric displaying a light texture with a soft contemporary design.



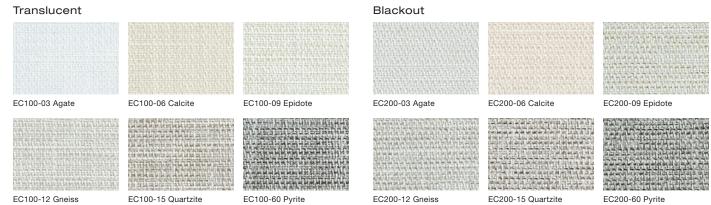
PERFORMANCE 7000 – A PVC-free blackout fabric, in a range of soothing, natural colorways.



PERFORMANCE 9000 - A blackout fabric in a modern textured design offered in a rich, neutral color palette.



ECOWEAVE - An eco-friendly, low-impact solution in soft natural hues.



UPGRADES 5

EXTRA DENSITY WEAVING

A unique feature of our exclusive Woven-to-Size Grassweave Collection, additional weft fibers are handwoven into the design providing added privacy and light blockage. Refer to Weave Detail in the Price List, or visit hartmannforbes.com for complete list of available weaves.

DETAILS

- \cdot The percentage of density will depend on the individual weave design
- \cdot Roller Style shades with extra density may have size limitations due to roll diameter, contact H&F for support





Standard Density



Extra Density



LE3078 Essence - Meadow, Roller Style with 2" Custom Edge

COMMERCIAL FLAME RETARDANCY

Flame retardancy for commercial buildings, hotels, restaurants and other public spaces requiring fire protection is available. May add to lead time. Contact H&F for details and assistance in specifying this option.

074 | HARTMANNFORBES.COM | 888.582.8780 | BARTMANNFORBES.COM | 8



Old Style

Size Limitation Min. width: 12" Max. width: 100" Max. length: 120" if over contact H&F



Traditional Style

Tailored Ribs

SEWN RIBS

This classic detail features sewn ribs across the width of the shade body. The tailored ribs allow for crisp, even folds when raising and lowering, and minimizes the need to dress the shade fabric.

DETAILS

- \cdot Shades crafted to chosen style specifications *p033-p035* and method of operation *p50*
- · Ribs spacing depends on length of shade

DESIGN CONSIDERATIONS

- We recommend sewn ribs for highly structured or less pliable weaves.
 For structural integrity, some weaves require ribs (refer to Weave Detail in Price List or hartmannforbes.com)
- · Not recommended with blackout liner



LE4136 Wicker - Willow, Old Style Roman with Sewn Ribs

DROP HEM

A Drop Hem elevates a roman shade to a more formal decorative aesthetic.

DETAILS

· Operating rings configured to expose 3½"L sun flap

(ID) DESIGN CONSIDERATIONS

 \cdot Consider adding bottom trim to drop hem. See Handwoven Border Trim $\it p129$ or specify COM trim





FIXED FOLD HEM

Three folds are handsewn into the hem of a roman shade which softens the look when in the lowered position.

DETAILS

· Size of fixed folds will be determined by shade length.

Additional folds available to maintain proper scale and proportion





EDGE CUSTOMIZATION

Create a custom shade with a

Handwoven Edge or Edge Binding.

For Handwoven Border Trim see p129

Custom Warp Edge [WTS]

The Grassweave Essence Collection is a foundational design offered in a broad range of sophisticated colorways and a customizable woven edge design. Select any color combination and add a custom warp edge to create a tone-on-tone or contrasting edge design.

DETAILS

- · Custom edge available from 1/4" to 5" (standard edge width: 3/8")
- · Stripe edge is 2" wide and made up of eight stripes
- · Solid or Stripe edge can be inset 2," 4," 6," or custom
- · A handwoven 12" x 12" custom weave sample is available upon request, 3-4 week lead time. A quote number is required









Inset Solid or Striped Edge

Edge Binding [TTS]

Edge Binding wraps the shade's edge to accentuate the design by adding color and textural contrast, while providing added protection to the edges from wear.

DETAILS

· Binding sewn to shades edges with butted corners



Customer's Own Material Submit a COM swatch for pre-approval

BAMBOO – A %"W textured binding, woven from the pulp of bamboo grass, blends perfectly with most natural weaves. Made of 100% bamboo.



TWILL – A 5/8"W durable cotton binding that features a distinctive pattern of diagonal parallel ribs. Made of 100% cotton.



H&F FABRIC – H&F Soft Natural Fabrics available: 5/8," 1" or 2" widths. If 2" edge binding applied to side and bottom, corners can be mitered rather than butted upon request.



Customers' Own Material (COM) — Trim

To pair your shade with other elements in the room, consider adding COM trim to the shade sides and/or bottom hem. A COM swatch must be submitted for pre-approval.



LE2630 Tabaret - Lawn, Old Style Roman with Samuel & Sons Trim

MULTIPLE SHADES ON ONE HEADRAIL

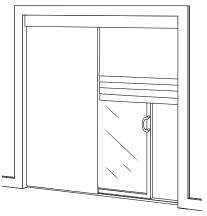
Ideal for side-by-side windows or sliding glass doors, this option combines a continuous valance with the practicality of independently working shades.

DETAILS

- · Crafted to chosen style specifications and method of operation
- · Space between shades for operational clearance (may vary slightly) Woven-to-Size: ¾", Tailored-to-Size: ¼"
- · Available in 2-on-1 or 3-on-1
- · Control placement must be specified

DESIGN CONSIDERATIONS

- · If valance is wider than maximum fabric width, valance will be spliced. Woven-to-Size valances can be continuous up to 180"W
- · Depending on design, vertical patterns on valance may not align with shades
- · When specifying cordlock, Traditional Style is recommended for the 3-on-1 shade option to allow easier access to center shade controls
- · Specify Newton method of operation with an optional short pull chain to minimize operating cords, or automation to eliminate pull-cords
- · Rather than multiple shades on one headrail, consider a Woven-to-Size handwoven shade up to 180"W
- · When butting multiple shades or mounting between objects, contact H&F for support



Old Style on Sliding Door Inside Mount, 2-on-1

CORNER AND BAY WINDOWS

Specifying a corner or bay window application requires additional consideration as trade-offs are often required, based on the specific project.

NOTE: Contact H&F for details and assistance in specifying these challenging applications to ensure you measure and specify for the best outcome.



Old Style - Front View



Front View Back View Corner mitered shade folds

Roman Shades - Mitered

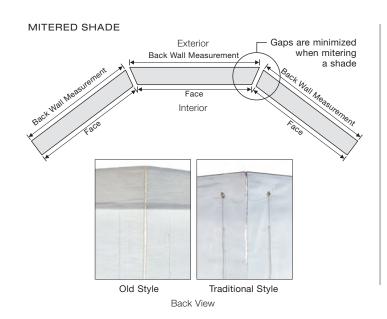
Mitered shades achieve a finished aesthetic in a corner or bay window application. Each roman shade will be crafted precisely to your specified angle from provided template.

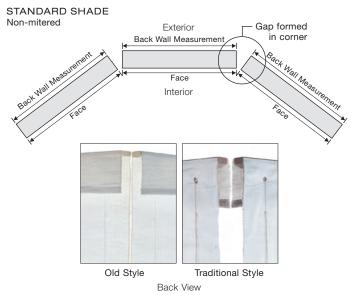
DETAILS

· Crafted to chosen style specifications and method of operation

DESIGN CONSIDERATIONS

- \cdot For measuring instructions and forms, refer to the Price List or online at hartmannforbes.com/measure. A template is required.
- · A sketch and photography may be helpful for complicated installations. Please specify if your measurements are back wall or front wall to ensure proper fabrication
- · Although mitered shades are available in both Old Style and Traditional Style, Old Style is recommended to allow shades to be raised to the same level simultaneously. Traditional Style shades cannot raise to same level without interfering with one another and may need to be dressed by hand when raised



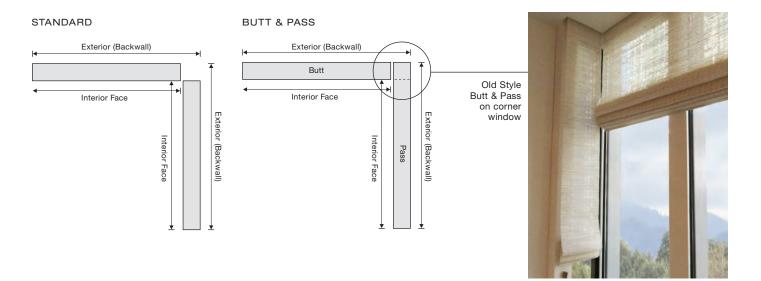


Roman Shades - Butt & Pass

A simple way to cover a corner is to specify one shade short to "butt" and one wider to "pass," offering coverage to the entire corner window. See overhead diagrams below.

DETAILS

· Crafted to chosen style specifications and method of operation



When specifying
ROLLER STYLE
corner shades – see
Performance Rollershade
specifications
go to page 132 >



LE4003 Jazz - Arpeggio, Rollerfold Reverse Roll with Newton I EW109-06 Cords - Cotton, By-the-Yard

SUPPORT INFORMATION



FRENCH DOOR INSTALLATION

Specifying shades to cover door windows requires special consideration to ensure ideal functionality.

Cordlock Method of Operation

SPECIFY OLD STYLE OR TRADITIONAL STYLE shade with optional %"D x %"H or 1"D x 1"H wrapped headrail with pre-drilled front to back installation holes, benefits include:

- · Reduces headrail depth to minimize light gaps
- · May allow shade to hang behind a lever-style door handle
- · Eliminates side returns
- · Front to back installation holes eliminates installation brackets

Clutch Method of Operation

SPECIFY A TRADITIONAL STYLE shade, benefits include:

- · Brings shade closer to glass to minimize light gaps
- · Optional Slim clutch reduces headrail to 1½"D. Consider specifying a slim clutch with 4"L front valance and 4"L side returns.

SPECIFY A ROLLER STYLE shade with an Ultra Clutch, benefits include:

- · Specify regular roll to eliminate light gaps and to not interfere with door handles
- · Consider adding an optional Structured Valance top treatment

Newton and Automated Methods of Operation

SPECIFY TRADITIONAL STYLE shade with a Structured Valance, contact H&F for assistance

· Specify Roller Style regular roll to eliminate light gaps and to fall behind lever-style door handles

DESIGN CONSIDERATIONS

- · Specify controls opposite side of door handle
- · Outside Mount Old Style shades do not come standard with back valance. If operating componentry is visible from the exterior, specify no-charge rear valance
- · For clutch operation and automated shades, ensure there is enough clearance to accommodate a deeper headrail when opening the door
- · For Roller Style shades, ensure that your shade fabric width will be sufficient to cover the glass, see illustration at right



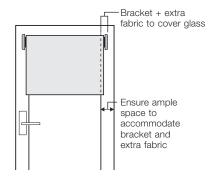
Old Style, 1" x 1" headrail, Outside Mount with Cordlock



Consider door handles when specifying



Roller Style Regular Roll with Newton



888.582.8780 | HARTMANNFORBES.COM | **085**

SIZE LIMITATION CHART

To assist in the specifying process, use the size limitation chart below as a general guideline. For sizes outside these dimensions contact H&F for support.

		Cordlock		Le	gacy Clut	tch	U	lltra Clutc	h		Newton		Automation
	Min. Width	Max. Width	Max. Length	Automation									
Old Style / Traditional Style	12"	120"	192"	15"	180"	144"	36"	180"	144"	241⁄4"	180"	192"	
Sudare Style	24"	94"	96"	24"	94"	96"	36"	94"	96"	241/4"	94"	96"	
Sewn Ribs Upgrade	12"	100"	120"	15"	100"	120"	36"	100"	120"	241/4"	100"	120"	
Splitview Style Top Down / Bottom Up	12"	96"	152"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Contact H&F
Splitview Style Top Down Only	12"	120"	144"	15"	120"	144"	36"	120"	144"	241/4"	120"	144"	or go to: hartmannforbes. com/calculators
Arch Top	12"	96"	120"	15"	96"	132"	36"	96"	132"	241⁄4"	96"	132"	
Angle Top	12"	120"	120"	15"	180"	132"	36"	180"	132"	241⁄4"	120"	132"	
Roller Style up to 120"L light textures	N/A	N/A	N/A	N/A	N/A	N/A	10"	120"	120"	23¾"	120"	120"	
Rollerfold up to 120"L light textures	N/A	N/A	N/A	N/A	N/A	N/A	10"	120"	120"	241/4"	120"	120"	

CASEMENT DEPTH REQUIREMENTS

An upgrade charge will apply when specifying a deeper than standard headrail—charges include the additional costs of shade fabric, wood and labor. For narrow casement depth situations contact H&F for support.

Available Headrail Sizes:

 ¾"D x ¾"H
 1½"D x ¾"H
 2¼"D x ¾"H
 2¾"D x ¾"H
 3¾"D x ¾"H
 4½"D x ¾"H

 1"D x 1"H
 1¾"D x ¾"H
 2½"D x ¾"H
 3½"D x ¾"H
 4"D x ¾"H
 5¼"D x ¾"H

STANDARD HEADRAIL/ROLL DIMENSIONS

		Legacy	Legacy	Ultra		Battery 12V Wirefree			Low Volt	age 24V	Line Voltage 120V	
	Cordlock	Clutch	Clutch slim	Clutch	Newton	Ultra 30	28	Ultra 28 external battery	30 DC	Ultra 50 DC	Ultra 50 AC	40 AC
Old Style / Traditional Style	1½"D	2¼"D	1½"	2½"D	2¼"D	2¼"D	2¼"D	2½"D	21⁄4"D	3½"D	3½"D	3½"D
Splitview Style Top Down / Bottom Up	1½"D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Splitview Style Top Down Only	1½"D	2½"D	1¾"D	2¾"D	2½"D	2½"D	2½"D	2¾"D	2½"D	3¾"D	3¾"D	3¾"D
Arch Top	34"D	21⁄4"D	1½"D	2½"D	21⁄4"D	21⁄4"D	21⁄4"D	2½"D	21⁄4"D	3½"D	3½"D	3½"D
Angle Top	1½"D	2¼"D	1½"D	2½"D	21⁄4"D	21⁄4"D	21⁄4"D	2½"D	21/4"D	3½"D	3½"D	3½"D
Roller Style up to 120"L light textures	N/A	N/A	N/A	31⁄4"D	31⁄4"D	31⁄4"D	31⁄4"D	4¼"D	31⁄4"D	41⁄4"D	41⁄4"D	41⁄4"D
Rollerfold up to 120"L light textures	N/A	N/A	N/A	3½"D	3½"D	3½"D	3½"D	4½"D	3½"D	4½"D	4½"D	4½"D

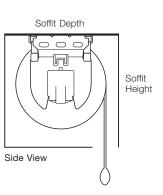
SOFFIT DIMENSION REQUIREMENTS

Ideal for modern architecture or covering multiple windows with one automated shade, automated Roller Style shades integrate into most control systems and tuck neatly into soffits.

- \cdot Sizes listed below are minimum requirements, extra space is always recommended
- · Maximum roll diameter and width of shade is based on weave selected and bracket configuration
- · We recommend regular roll in soffit applications to minimize light gaps
- · Contact H&F for other options if these don't meet your requirements

Method of Operation	Min. Depth	Min. Height
Ultra Clutch	41/4"D	5"H
Newton	41/4"D	5"H
12V: Sonesse 28 w/ External Battery Wand	5"D	5"H
12V: Sonesse 28	41⁄4"D	5"H
12V: Sonesse Ultra 30	41⁄4"D	5"H

24V: Sonesse 30 DC	Method of Operation	Min. Depth	Min. Height
120V: Sonesse 40 AC 51/4"D 6"H	24V: Sonesse 30 DC	41/4"D	5"H
.2511 55115555 15 715	24V: Sonesse 50 DC	5¼"D	6"H
120V: Sonesse 50 AC 51/4"D 6"H	120V: Sonesse 40 AC	51/4"D	6"H
120V. Gollesse 30 AO 3/4 D 0 11	120V: Sonesse 50 AC	51/4"D	6"H



STANDARD VALANCE LENGTHS - Unless otherwise specified

INSIDE MOUNT

	Cordlock Clutch		Newton	Battery 12V	Low Vol	tage 24V	Line Voltage 120V		
	Cordiock	Clutch	Newton	Wirefree	30 DC	Ultra 50 DC	Ultra 50 AC	40 AC	
Old Style	6"L Rear	8"L Rear	8"L Rear	8"L Rear					
Traditional Style	6"L Front	8"L Front	8"L Front	8"L Front					
Splitview Style	6"L Front 4"L Rear	8"L Front 6"L Rear	8"L Front 6"L Rear	8"L Front 6"L Rear					
Rollerfold	6"L Front	8"L Front	8"L Front	8"L Front					
Dual Shade	6"L Rear	8"L Rear	8"L Rear	8"L Rear					

OUTSIDE MOUNT

	Cordlock Clutch		Newton	Battery 12V	Low Volt	tage 24V	Line Voltage 120V		
	Cordiock	Clutch	Newton	Wirefree	30 DC	Ultra 50 DC	Ultra 50 AC	40 AC	
Old Style	No Rear								
Traditional Style	6"L Front	8"L Front	8"L Front	8"L Front					
Splitview Style	6"L Front No Rear	8"L Front No Rear	8"L Front No Rear	8"L Front No Rear					
Rollerfold	6"L Front	8"L Front	8"L Front	8"L Front					

STANDARD SIDE RETURN LENGTHS - Unless otherwise specified

OUTSIDE MOUNT

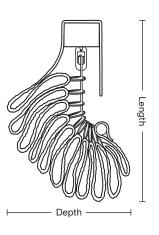
	Cordlock	Legacy Clutch	Ultra Clutch	Newton	Battery 12V Wirefree	Low Voltage 24V	Line Voltage 120V
Old Style without rear valance	3"L	4"L	Std: 5"L Lrg: 6"L	4"L	5"L	30 DC: 5"L 50 DC: 6"L	6"L
Old Style with rear valance	6"L	6"L	6"L	6"L	6"L	30 DC: 6"L 50 DC: 8"L	8"L
Traditional Style	6"L	6"L	6"L	6"L	6"L	30 DC: 6"L 50 DC: 8"L	8"L
Splitview Style	6"L	6"L	6"L	6"L	6"L	30 DC: 6"L 50 DC: 8"L	8"L
Rollerfold Style	6"L	6"L	6"L	6"L	6"L	30 DC: 6"L 50 DC: 8"L	8"L
Dual Shade	6"L	6"L	6"L	6"L	6"L	30 DC: 6"L 50 DC: 8"L	8"L

ROMAN SHADE STACKING

Roman shade stacking size will vary with each material selection and control system. The chart below shows estimated measurements.

Base: CORDLOCK	1	Ultra Ligh Texture	nt to Light Weaves		Mid to Heavy Texture Weaves					
base. CONDLOCK	Old :	Style		tional itview	Old :	Style		tional itview		
SHADE LENGTH UP TO	Length	Depth	Length	Depth	Length	Depth	Length	Depth		
36"	7"L	2"D	7½"L	2"D	7½"L	2½"D	8"L	3"D		
48"	81⁄4"L	3"D	8½"L	3"D	8½"L	3½"D	9"L	4"D		
60"	81⁄4"L	4"D	8½"L	4"D	8½"L	4"D	9½"L	5"D		
72"	8½"L	4"D	8½"L	4"D	8½"L	4"D	9½"L	5"D		
84"	8½"L	4"D	9½"L	4½"D	9½"L	4½"D	10½"L	5½"D		
96"	9"L	4"D	11½"L	4½"D	11½"L	4½"D	12½"L	5½"D		
120"	11"L	4½"D	13"L	5½"D	13"L	5½"D	14½"L	6½"D		
144"	13"L	4½"D	14"L	6"D	14½"L	6"D	16"L	7½"D		
METHOD OF OPERATION ADD TO STACK	+	+	+	+	+	+	+	+		
Clutch / Newton / Automation 21/4"-21/2"D Headrail	1"L	0"D	1"L	0"D	1"	0"D	1"L	0"D		
Automation 3½"D Headrail	2½"L	0"D	2½"L	0"D	21/2"	0"D	2½"L	0"D		
UPGRADES ADD TO STACK	+	+	+	+	+	+	+	+		
Liner	½"L	½"D	½"L	½"D	½"L	½"D	½"L	½"D		
Edge Binding / Trim	½"L	1"D	½"L	1"D	½"L	1"D	½"L	1"D		
Drop Hem	3½"L	0"D	3½"L	0"D	3½"L	0"D	3½"L	0"D		
Fixed Fold Hem Per Fold	0"L	1/4"D	0"L	1/4"D	0"L	½D"	0"L	½"D		







HOW TO SPECIFY FABRIC SHADES

COLLECTION Ertheweave

1	Flat Style 093 Casual Style 095 Splitview Style 097 Arch Top Angle Top Custom Shapes 099
2	SIDE RETURNS & BRACKETS Side Returns
3	SELECT METHOD OF OPERATION Overview102
4	SELECT PRIVACY & SUN CONTROL UPGRADES Privacy Liner Fabric
5	SELECT UPGRADES Sewn Ribs
	SUPPORT INFORMATION French Doors

SHADE STYLES



FLAT - OLD STYLE | TRADITIONAL STYLE

A staple for design, this minimalistic roman shade style allows the fabric to be the window centerpiece and works well in any setting. See Size Limitations Chart *p112*

DETAILS

Headrail: Liner wrapped wood headrail. Headrail depth based on method of operation, see chart *p113*

Valance: Old Style:

- 6"L rear valance made from liner fabric. Some motors require 8"L, see chart *p113*
- Outside mount Valances not included as standard, available upon request as a front or back valance. If valance is specified, side returns will match valance length

Traditional Style:

- 6"L front valance made from the shade fabric. Some motors require 8"L, see chart *p113*
- Outside mount ½" wider than shade body to accommodate side returns

Side Returns: Outside mount – Side returns made from the shade fabric, length dependent on method of operation, see chart *p100*

Deductions: Inside mount – 3/8"W overall deduction taken for operating clearance

Outside mount – no deduction taken

Liner: Hand-sewn translucent liner included. Sheer liner available p104

Lift Cords: Color coordinated lift cords draw through hand-stitched rings and child-safety shroud

DESIGN CONSIDERATIONS

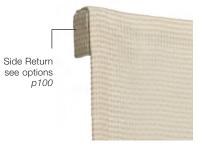
- \cdot If casement depth is limited, consider $3\!/\!\!\!/ \, x \, 3\!/\!\!\!/ \,$ or 1" x 1" headrail with cordlock
- · Small operating grommets can be viewed from the exterior near top of a Traditional Style shade. Select color of grommet to coordinate with the exterior of home, see *p35*
- · Depending on fabric choice and operation frequency, periodic dressing may be required to ensure proper folding when raised
- \cdot Shades wider than a fabric's seamless width will have vertical seams evenly spaced from either side
- · Old Style Pull cords located behind the shade, making any manual method of operation difficult to access behind inside mount shades
- · To add an architectural detail consider adding an Old Style front valance, p047



Old Style



Bottom Hems
Tailored Internal
Hem Bar



Outside Mount



CASUAL STYLE

A roman shade that defines casual elegance. Well suited for our Soft Natural Fabrics and crafted to Old Style specifications; when drawn its unstructured hour-glass drape captures the essence of relaxed living. See Size Limitations Chart *p112*

DETAILS

Headrail: Liner wrapped wood headrail. Headrail depth based on on method of operation, see chart *p113*

Valance: 6"L rear valance made from liner fabric. Some motors require 8"L, see chart *p113*

Side Returns: Outside mount – Side returns made from the shade fabric, length dependent of method of operation, see chart *p100*

Deductions: Inside mount – 3/8"W overall deduction taken for operating clearance

Outside mount – no deduction taken

Liner: Hand-sewn translucent liner included. Sheer liner available p104

Lift Cords: Color coordinated lift cords draw through hand-stitched rings and child-safety shroud

Ring spacing is based on shade width to provide the soft, curved folds

DESIGN CONSIDERATIONS

- · If casement depth is limited, consider ¾" x ¾" or 1" x 1" headrail with cordlock
- · Depending on fabric choice and operation frequency, periodic dressing may be required to ensure proper folding when raised
- · Shades wider than a fabric's seamless width will have vertical seams evenly spaced from either side
- · Not recommended for butting/side-by-side shades
- · Pull cords located behind the shade, making any manual method of operation difficult to access behind inside mount shades
- · To add an architectural detail consider adding an Old Style front valance, p047





SPLITVIEW[™] STYLE

The Splitview Style is ideal when you want to preserve a view, control light or maintain privacy. This roman shade operates from top-down or bottom-up.

Top-Down/Bottom-Up

- · Available in cordlock method of operation
- · Control right operates bottom-up, control left operates top-down

Top-Down Only

- · Available in cordlock, clutch, Newton or automated methods of operation
- · Available control left or right

DETAILS

Headrail: Liner wrapped wood headrail. Headrail depth based on method of operation, see chart *p113*

Valance: 6"L front valance and 4"L rear valance made from the shade fabric

Outside mount – ½" wider than shade body to accommodate side returns

Side Returns: 6"L side returns standard on outside mount shades, see chart p100

Deductions: Inside mount – 3/8"W overall deduction taken for operating clearance

Outside mount – no deduction taken

Liner: Hand-sewn translucent liner included. Sheer liner available p104

Lift Cords: Color coordinated lift cords draw through hand-stitched rings and child-safety shroud

DESIGN CONSIDERATIONS

- · Shades over 72"W may be heavier and more challenging to level when raising. Consider a Top-Down Only with Clutch, Newton or Automation
- \cdot Shades wider than a fabric's seamless width will have vertical seams evenly spaced from either side
- · If lowering shades below 50%, we do not recommend Splitview Style due to cord exposure



Size Limitations Min. width: 12" Max. width: 96" Max. length: 144"

if over contact H&F

8"-12" apart will be visible in open section of shade



Hem Bar

Size Limitations
Min. width: 12"

Tailored Internal

Min. width: 12" Max. width: 96" Max. length: 144" if over contact H&F





ARCH TOP

A beautiful way to accentuate the architectural curves of an arched or eyebrow window, roman shades can be custom crafted to fit most any dimension. See Size Limitations Chart *p112*

DETAILS

- · Crafted to Old Style specifications, Traditional Style available upon request
- · Window casement requirement dependent on method of operation, see chart *p113*
- \cdot Wrapped %"D x 2"H wood arch frame
- · Shade will raise only as high as the point at which the arch begins
- \cdot Arch tops can be made in many different shapes. A template and detailed drawing is required to begin fabrication. Refer to Price List or hartmannforbes.com for instructions



Front View Back View see p041

Size Limitations Min. width: 12" Max. width: 96" Max. length: If over 120" contact H&F



ANGLE TOP

Angle Top shades are custom crafted to fit any angled window up to 60 degrees. See Size Limitations Chart *p112*

DETAILS

- \cdot Control located at the lower end of the angled headrail
- \cdot Shade will raise only as high as the lower end of the angled headrail
- \cdot Refer to Price List or hartmannforbes.com for measuring instructions



Front View Back View see *p041*

Size Limitations
Min. width: 12"
Max. width: If over 96"
contact H&F
Max. length: If over 120"
contact H&F

CUSTOM SHAPES

Our custom capabilities are exceptional. If you have a unique project requirement, please contact H&F for support.

2 SIDE RETURNS & BRACKETS



Old Style - 3"L

SIDE RETURNS - OUTSIDE MOUNT

Designed to conceal system componentry on outside mount roman shades, side returns are made from shade fabric and attach to the side of the headrail.

DETAILS

- · Available at no-charge when specified with your shade order. A surcharge will apply and dye lots may not match if ordered separately
- · Double-sided adhesive included to hold down side returns and requires dressing during installation
- · Lengths based on styles, see chart below

DESIGN CONSIDERATIONS

· Side returns are not available on shades with headrails smaller than 11/2"D

STANDARD SIDE RETURN LENGTHS - Unless otherwise specified

OUTSIDE MOUNT

	Cordlock	Legacy Clutch	Ultra Clutch	Newton	Battery 12V Wirefree	Low Voltage 24V	Line Voltage 120V
Flat - Old Style/Casual Style without rear valance	3"L	4"L	Std: 5"L Lrg: 6"L	4"L	5"L	30 DC: 5"L 50 DC: 6"L	6"L
Flat - Old Style/Casual Style with rear valance	6"L	6"L	6"L	6"L	6"L	30 DC: 6"L 50 DC: 8"L	8"L
Flat - Traditional Style	6"L	6"L	6"L	6"L	6"L	30 DC: 6"L 50 DC: 8"L	8"L
Splitview Style	6"L	6"L	6"L	6"L	6"L	30 DC: 6"L 50 DC: 8"L	8"L
Dual Shade	6"L	6"L	6"L	6"L	6"L	30 DC: 6"L 50 DC: 8"L	8"L



no side return

Old Style – 4"L





Traditional Style - 6"L

BRACKETS - OUTSIDE MOUNT

If specifying outside mount roman shades, a range of brackets are available to accommodate specific challenges, including a tight fit to the wall, clearing window moulding or other obstacles.

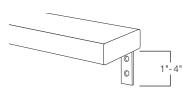
DETAILS

- L-BRACKETS allow for easier installation of Old Style outside mount shades.
 Size of bracket dependent on method of operation and will be narrower than headrail depth. Cannot be used on Traditional Style or Old Style with rear valance
- · SLIDING BRACKET features an adjustable projection to minimize gap between headrail and wall

STANDARD BRACKET

	1"D x 1"H*	1½"D 1¾"D	21/4"D 21/2"D 23/4"D	3½"D 3¾"D	4"D 4½"D 5¼"D
Old Style without rear valance	1"L-Bracket	11/4"L-Bracket	11/4"L-Bracket	3"L-Bracket	4"L-Bracket
Old Style with rear valance	Sliding	Sliding	Sliding	Sliding	Sliding
Traditional Style	Sliding	Sliding	Sliding	Sliding	Sliding

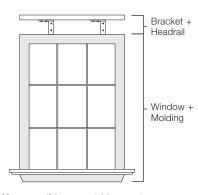
*All headrails are %"H except a 1" x 1" headrail



L-Bracket Full height dependent on headrail see chart

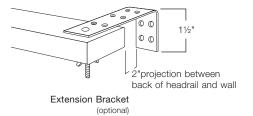


Sliding Bracket
Adjustable projection between
headrail and wall up to 3/8"



When specifying an outside mount shade, take into consideration the height of the bracket and window molding when determining length of shade

EXTENSION BRACKET allows outside mount shades to be mounted over deep window moldings. Not recommended if headrail is deeper than 2½"D. Consider ordering deeper side returns to fill gap between headrail and wall. Available upon request.



3 METHOD OF OPERATION



Selecting the method of operation gives you the flexibility to control the environment based on your client's lifestyle. With the pull of a cord or push of a button, we offer a range of operating methods to suit your project needs.

TO SELECT
METHOD OF OPERATION
See Natural Shade Section

MANUAL P053
A time-tested, manually-operated classic

CORDLOCK | CLUTCH

MOTORIZED *P059*Electric motor with a removable, sleek pull chain

NEWTON

AUTOMATED P060

Ever evolving technology to improve your quality of life

AUTOMATION I CUSTOMER PROVIDED MOTOR

4 PRIVACY & SUN CONTROL



Rear Liner Valance (standard) Valance made from liner fabric





from shade fabric



Dual Shade see p107

PRIVACY LINER FABRIC

Liner fabric carefully sewn to the back of a roman shade adds privacy while protecting the shade and room furnishings from sun damage. Available in neutral earth tones to preserve the appearance of the window when viewed from the exterior.

DETAILS

- · Liner is approximately 1/8" 1/4" from shade edge
- · Serged and hand stitched to back of shade at each ring, sides and bottom of shade
- · If specifying cordlock method of operation, pull-cord color will coordinate with liner back view, unless otherwise specified

DESIGN CONSIDERATIONS

- · If shade is wider than liner seamless width, liner is generally sewn in three vertical panels, or railroaded, unless otherwise specified
- · Pinholes of light may be seen where rings are stitched to fabric
- · COM liner available as upgrade; must be submitted for pre-approval
- · Some rooms, such as bedrooms and media rooms, need to be darker than what a liner can provide. A Dual Shade provides the ideal solution. A standard translucent lined fabric roman shade plus a Blackout Rollershade provides light control and room darkening, see image at left

Privacy Liner Fabric Colorways

SHEER - An elegant lightweight liner designed to complement the candling effects of natural textiles, while offering an additional veil of privacy.





SH01 Soft White Max. seamless width: 108" Cotton



SH05 Umber Max. seamless width: 108 Cotton/Poly



SH02 Linen Max. seamless width: 108" Cotton/Poly



SH07 Slate Max. seamless width: 108"

SH03 Khaki Max. seamless width: 108"

TRANSLUCENT – A midweight liner that offers more privacy and sunlight control than a sheer liner, while retaining a soft hand and elegant drape.





TR01 Soft White Max. seamless width: 110"







TR02 Linen Max. seamless width: 110"



TR06 Asher Max. seamless width: 52" Cotton/Poly



TR03 Khaki Max. seamless width: 52"



DUAL SHADE - ROMAN | ROLLER

An independently-operated rollershade mounted behind a fabric roman shade, on a shared headrail, provides flexible sunlight and privacy control. Rollershades are offered in a range of weaves and opacities giving you flexibility to control your environment.

DETAILS

- · Shades crafted to chosen style specifications and method of operation
- · Fabric wrapped wood headrail. Window casement requirement dependent on fabric selection, shade size and methods of operation
- · 6"L rear valance made from roman shade fabric. Some motors require 8"L, see chart p113
- · Rollershades under 72"W are pre-attached to the headrail
- · Illustrations below depict the most common configurations. For others, including automation support contact H&F

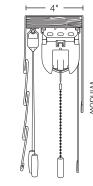
DESIGN CONSIDERATIONS

- · For ease of installation, shades wider than 96" need to be ordered as separate shades rather than as a Dual Shade
- · Not recommended for outside mount due to projection. Order as separate inside mount roller and outside mount roman shades

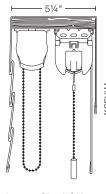


Fabric Roman | Performance Rollershade

OLD STYLE

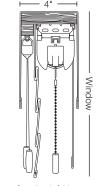


Cordlock | Newton

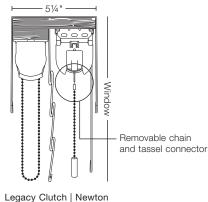


Legacy Clutch | Newton

TRADITIONAL STYLE



Cordlock | Newton



Other configurations available, contact H&F

LEGACY CLUTCH Min. Width: 15" Max. Width: 96" Max. Length: 84" if over contact H&F ULTRA CLUTCH Min. Width: 36" if under contact H&F Max. Width: 96" Max. Length: 84" if over contact H&F NEWTON Min. Width: 241/4"

Max. Width: 96" Max. Length: 84" if over contact H&F

Size Limitations

Roman with Cordlock | Roller with Newton

5 UPGRADES



Old Style

Size Limitations Min. width: 12" Max. width: 100" if over contact H&F Max. length: 120" if over contact H&F



SEWN RIBS

Sewn pleats across the width of the shade body give this roman shade its defining characteristic. The tailored pleats allow for crisp, even folds when raising and lowering, and help to minimize the need to dress the shade fabric.

DETAILS

- · Crafted to chosen style specifications and method of operation *p093*
- · Rib spacing depends on length of shade

DESIGN CONSIDERATIONS

· We recommend sewn ribs for highly structured or less pliable weaves. For structural integrity, some weaves require ribs (refer to Weave Detail in Price List or hartmannforbes.com)



DROP HEM

A Drop Hem elevates a roman shade to a more formal decorative aesthetic.

DETAILS

· Operating rings configured to expose 3½"L sun flap

DESIGN CONSIDERATIONS

 \cdot Consider adding bottom trim to drop hem. See Handwoven Border Trim p129 or specify COM trim



COMMERCIAL FLAME RETARDANCY

Flame retardancy for commercial buildings, hotels, restaurants and other public spaces requiring fire protection is available. May add to lead time. Contact your representative showroom or H&F for details and help specifying this option.



MULTIPLE SHADES ON ONE HEADRAIL

Ideal for side-by-side windows or sliding glass doors, this option combines a continuous valance with the practicality of independently working shades.

DETAILS

- · Shades crafted to chosen style specifications and method of operation
- · 1/4" space between shades for operational clearance (may vary slightly)
- · Available in 2-on-1 or 3-on-1
- · Control placement must be specified

DESIGN CONSIDERATIONS

- · If valance is wider than maximum fabric width, valance will be spliced
- · Depending on design, vertical patterns on valance may not align with shades
- · When specifying cordlock, Traditional Style is recommended for the 3-on-1 shade option to allow easier access to center shade controls.
- · Specify Newton method of operation with an optional short pull chain to minimize operating cords, or automation to eliminate pull cords
- · When butting multiple shades or mounting between objects, contact H&F for support

CORNER AND BAY WINDOWS

Specifying a corner or bay window application requires additional consideration as trade-offs are often required, based on the specific project.

NOTE: Contact H&F for details and assistance in specifying these challenging applications and ensure you measure and specify for the best outcome.

Roman Shades - Mitered

Mitered shades achieve a finished aesthetic in a corner or bay window application. Each roman shade will be crafted precisely to your specified angle from provided template.

DETAILS

- \cdot Shades crafted to chosen style specifications and method of operation
- · Control placement must be specified
- · Headrail depth is based on shade length, fabric thickness and window frame angle, contact H&F for support

DESIGN CONSIDERATIONS

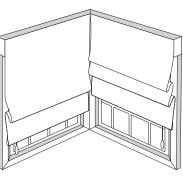
- · For measuring instructions and forms, refer to the Price List or online at hartmannforbes.com/measure. A template is required
- · A sketch and photography may be helpful for complicated installations. Please specify if your measurements are back wall or front wall to ensure proper fabrication
- Although mitered shades are available in both Old Style and Traditional Style, Old Style is recommended to allow shades to be raised to the same level simultaneously. Traditional Style shades cannot raise to same level without interfering with one another and may need to be dressed by hand when raised

Roman Shades - Butt & Pass

A simple way to cover a corner is to specify one shade short to "butt" and one wider to "pass," offering coverage to the entire corner window. See overhead diagrams p083.

DETAILS

- · Crafted to chosen style specifications and method of operation
- \cdot When specifying outside mount butting shades or mounting between objects, contact H&F for support
- $\cdot \ \text{Measuring form required} \\$



Old Style mitered shades on cornered windows



Old Style mitered shades on bay windows

SUPPORT

FRENCH DOOR INSTALLATION

Specifying shades to cover door windows requires special consideration to ensure ideal functionality, such as drilling the headrail front to back and adding hold-downs. For additional door installation recommendations see p085

DETAILS

· When specifying shades to mount to doors, we recommend specifying Old Style with a ¾" x ¾" or 1" x 1" headrail, pre-drilled front to back. The headrail is mounted directly onto the door, eliminating the need for outside mount brackets

NOTE: Side-by-side shades that need matching folds must be specified as such, although an exact match may not be possible, even when specified

SIZE LIMITATION CHART

To assist in the specifying process, use the Size Limitation Chart below as a general guideline, for sizes outside these dimensions contact H&F.

Automation Size Limitations must be calculated based on fabric thickness and motor weight capacity. Use calculator online at hartmannforbes.com/calculators or contact H&F.

		Cordlock		Le	gacy Clut	tch	ι	Iltra Clutc	ch		Newton		Automation
	Min. Width	Max. Width	Max. Length	Automation									
Old Style Traditional Style	12"	120"	192"	15"	144"	144"	36"	144"	144"	241/4"	144"	192"	
Casual Style	15"	120"	192"	15"	144"	144"	36"	144"	144"	241/4"	144"	192"	
Splitview Style Top Down/ Bottom Up	12"	96"	144"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Contact H&F or go to:
Splitview Style Top Down Only	12"	96"	144"	15"	96"	144"	36"	96"	144"	241/4"	96"	144"	hartmannforbes. com/calculators
Arch Top	12"	96"	120"	15"	96"	132"	36"	96"	132"	241/4"	96"	132"	
Angle Top	12"	96"	120"	15"	96"	120"	36"	96"	120"	241/4"	96"	120"	
Sewn Ribs Upgrade	12"	100"	120"	15"	100"	120"	36"	100"	120"	241/4"	100"	120"	

CASEMENT DEPTH REQUIREMENTS

An upgrade charge will apply when specifying a deeper than standard headrail—charges include the additional costs of shade fabric, wood and labor. For narrow casement depth situations contact H&F for support.

Available Headrail Sizes:

STANDARD HEADRAIL DIMENSIONS

	Cordlock	Legacy	Legacy	Ultra	Newton	1	Battery – 2V Soness			oltage – onesse		oltage – onesse
	Cordiock	Clutch	Clutch	Clutch	Newton	Ultra 30	28	Ultra 28 external battery	30 DC	Ultra 50 DC	Ultra 50 AC	40 AC
Flat Style / Casual Style	1½"D	21⁄4"D	1½"	2½"D	21/4"D	21⁄4"D	21⁄4"D	2½"D	21⁄4"D	3½"D	3½"D	3½"D
Casual Style	1½"D	21⁄4"D	1½"	2½"D	21/4"D	21⁄4"D	21/4"D	2½"D	21/4"D	3½"D	3½"D	3½"D
Splitview Style Top Down/ Bottom Up	1½"D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Splitview Style Top Down Only	1½"D	2½"D	1¾"D	2¾"D	2½"D	2½"D	2½"D	2¾"D	2½"D	3¾"D	3¾"D	3¾"D
Arch Top	3⁄4"D	21⁄4"D	1½"D	2½"D	21/4"D	21⁄4"D	21⁄4"D	2½"D	21⁄4"D	3½"D	3½"D	3½"D
Angle Top	1½"D	21⁄4"D	1½"D	2½"D	21/4"D	21/4"D	21/4"D	2½"D	21/4"D	3½"D	3½"D	3½"D

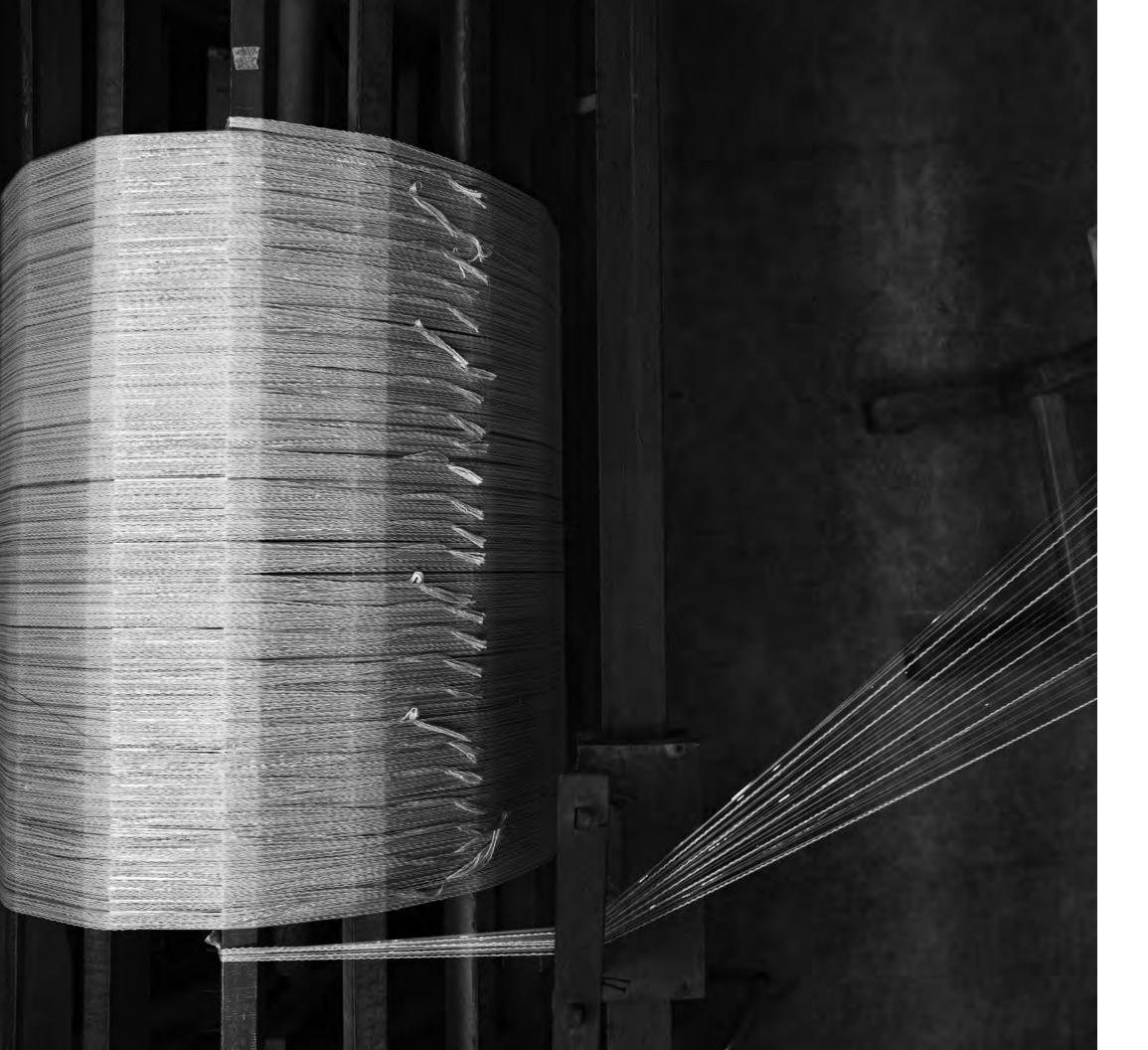
STANDARD VALANCE LENGTHS - Unless otherwise specified

INSIDE MOUNT

	Cordlock	Clutch	Newton	Battery -12V	Low Volta	age – 24V	Line Voltage – 120V	
	001010011			Wirefree	30 DC	Ultra 50 DC	Ultra 50 AC	40 AC
Flat - Old Style / Casual Style	6"L Rear	8"L Rear	8"L Rear	8"L Rear				
Flat - Traditional Style	6"L Front	8"L Front	8"L Front	8"L Front				
Splitview Style	6"L Front 4"L Rear	8"L Front 6"L Rear	8"L Front 6"L Rear	8"L Front 6"L Rear				
Dual Shade	6"L Rear	8"L Rear	8"L Rear	8"L Rear				

OUTSIDE MOUNT

	Cordlock	Clutch	Newton	Battery –	Low Volta	age – 24V	Line Voltage – 120V		
				12V Wirefree No Rear	30 DC	Ultra 50 DC	Ultra 50 AC	40 AC	
Flat - Old Style / Casual Style	No Rear	No Rear	No Rear	No Rear	No Rear	No Rear	No Rear	No Rear	
Flat - Traditional Style	6"L Front	6"L Front	6"L Front	6"L Front	6"L Front	8"L Front	8"L Front	8"L Front	
Splitview Style	6"L Front No Rear	6"L Front No Rear	6"L Front No Rear	6"L Front No Rear	6"L Front No Rear	8"L Front No Rear	8"L Front No Rear	8"L Front No Rear	



HOW TO SPECIFY PERFORMANCE ROLLERSHADES

COLLECTIONS Ecoweave | Privacy | Solarscreen

1	SELECT SHADE STYLE Rollershade	11
2	SELECT METHOD OF OPERATION Ultra Clutch – Roller	12
3	UPGRADES Flat Valance Double Flat Valance Handwoven Border Trim Ultra Metal Hembar	129
	SUPPORT INFORMATION Regular Roll Reverse Roll	

1 SHADE STYLES



ROLLERSHADE

Architecturally simple, the contemporary rollershade style is both beautiful and highly functional. Rolls up for a minimalistic profile at the top of a window, or conceals within a valance or soffit structure.

DETAILS

Tube: Fabric rolls onto an aluminum tube and falls from rear of tube closest to window. Reverse roll available.

> Bracket and tube diameter based on weave selection, method of operation and size of shade. For minimum casement depth requirements, see chart p133

Deductions: Shade fabric will measure narrower than specified width to accommodate clutch/motor, idler and brackets

Bottom Hems: Seamed bottom flat hem with aluminum internal hem bar

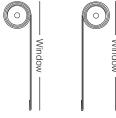
DESIGN CONSIDERATIONS

- · If shade is specified wider than the width of the fabric it will be railroaded. A horizontal seam may be required
- · Outside mount shades can be mounted to ceiling or wall
- · Shades with lengths over three times the width are not recommended as they may track unevenly
- · Shade is 100% cordless when specified with Newton or Automation �
- · We recommend hiring a experienced installer to ensure shades are level and shimmed for proper operation. Frayed edges caused by improper installation will not be covered under craftsmanship warranty





Shown with duplex fabric. Consider reverse roll so top of roll matches the shade body



Regular Roll

Reverse Roll

LIGHT GAPS





2 METHOD OF OPERATION



ULTRA CLUTCH - ROLLER

A beautifully designed, exposed clutch, inspired by the clean architecture of the Bauhaus movement, delivers a subtle statement of luxury and smooth operation.

DETAILS

Clutch: Matte (polymer) clutch and cover standard and coordinated to shade fabric, unless otherwise specified. Metal clutch and covers available at no-charge

Control Loop: Metal Ball Chain color coordinated to shade fabric, unless otherwise specified

Control loop approximately 75% the length of the shade. Custom lengths available upon request:

- · Metal Ball Chains available in customizable increments
- · Bead Chain available 24"-96" in 12" increments

Control Guide: Clear acrylic p-shaped guide with color coordinated screw used to keep control loops secure by holding the operational cord or chain in place

Screw colors coordinate with chain unless otherwise specified

DESIGN CONSIDERATIONS

· Bead chains and Stainless Steel Metal Ball Chain are rust-proof and recommended for humid climates



Reverse Roll with white clutch



Control Guide with White Bead Chain

CLUTCH & BRACKET COVER COLOR OPTIONS

Matte Colors



Metal Colors (optional)



CONTROL LOOPS & GUIDES



Bead Chain (optiona





NEWTON

A contemporary method for controlling shades, the easy-to-use Newton motorized system is powered by an electric motor with an internal rechargeable battery.

DETAILS

- · Motor is concealed inside an aluminum tube (sound level 55-57db)
- · Matte (polymer) bracket cover standard and coordinated to shade fabric, unless otherwise specified. Metal bracket and cover available at no-charge
- Metal pull chain with Barrel tassel approximately 40% the length of the shade, custom lengths available upon request. Chain and tassel are removable.
 Metal bracket covers available
- · Rechargeable Lithium ion battery charge life is approx. 500 cycles/one year (daily raise and lower). Flashing LED light will indicate charge required. Recharging kit included with order



Regular Roll with Silver Bracket Cover

Size Limitations Min. Width: 23¾" Max. Width: 120" if over contact H&F

CHAIN & TASSEL OPTIONS









BRACKET COVER COLORS

Matte



Metal (optional)



Remote – Single or multi-channel remote (based on number of shades per room: 1 channel,

5 channel, 15 channel)



Our standard offerings use motors and controls from Somfy,[®] the worldwide leader in shade motor technology. Lutron[®] shade motors are also available upon request. Motorized shades can be integrated into most common automation platforms including Crestron,[®] Lutron,[®] Control4,[®] Elan[®] and Savant.[®] They may also be used with voice control systems such as Amazon Alexa[®] and Google Home.[®]

AUTOMATION SUPPORT

As a complimentary service, an AUTOMATION SPECIALIST can collaborate with your team of architects, builders, installers and integrators to ensure your project is properly specified. For automation support call 888.582.8780.



H&F Calculators hartmannforbes.com/calculators



Automation Support
Worksheets, Programming Sheets and Motor Specifications
hartmannforbes.com/automation-support

Customer Provided Motor (CPM)

We fabricate custom shades with customer provided motors. Both top and bottom limits are set during fabrication. Final programming to be performed on project site and is the responsibility of the installer/integrator. Warranty limitations will apply, refer to Terms & Conditions in the Price List.

Motor Ready

Shades are crafted to motor-ready configuration in preparation for having OEM motors installed by a workroom, AV dealer or other windowcovering specialist. Warranty limitations will apply, refer to Terms & Conditions in the Price List.

BATTERY - 12V WIREFREE MOTOR

This ultra-quiet motor series provides you with a wirefree solution for your retrofit projects. Control a single shade or the entire house with these pre-programmed, rechargeable battery motors.

DETAILS

- · Sonesse Wirefree motor series, designed for silence (38-48db)
- · Motor determined by shade weight and size:
- Sonesse Ultra 30: standard
- Sonesse 28 series: used if shade under 28"W

	Min. Depth	Max. Weight	Min. Width	Valance
Sonesse Ultra 30	2½"	17lbs	275/8"W	6"L
Sonesse 28	2½"	8lbs	235/8"W	6"L
Sonesse 28 External Battery	3½"	8lbs	157/s"W	6"L

- · Motor and battery are concealed inside an aluminum tube and mounted with color coordinated brackets unless otherwise specified
- · Controlled wirelessly through radio frequency. External antenna
- · Rechargeable lithium ion battery charge life is approx. 500 cycles/one year. Charging kit included

DESIGN CONSIDERATIONS

· For bracket dimensions and casement requirements see *p133* or online hartmannforbes.com/calcuator



Sonesse Ultra 3 - Bracket cover colors p121

Battery



External Battery Pack required for shades under 23% "W



Sonesse 30 DC



Sonesse Ultra 50 DC



Power Supply & Enclosure Kit 5 & 10 Motor – 12"W x 12"L x 6"D 15 & 20 Motor – 18"W x 18"L x 6"D

LOW VOLTAGE - 24V MOTOR

Offering unsurpassed quality and performance for new construction and retrofit projects where wiring is an option. This ultra-quiet and powerful motor series is the perfect solution for luxury spaces.

DETAILS

- · Sonesse motor series, designed for silence (38-42db)
- · Motor determined by shade weight and size:
- Sonesse 30 DC: standard
- -Sonesse Ultra 50 DC: used if shade weight exceeds 17lbs

	Min. Depth	Max. Weight	Min. Width	Valance
Sonesse 30 DC	2½"	17lbs	19¾"W	6"L
Sonesse Ultra 50 DC	3½"	34lbs	345%"W	8"L

- · Motor is concealed inside an aluminum tube
- Sonesse 30 DC Matte (polymer) cover coordinated to shade fabric standard –
 Metal optional p119. Sonesse Ultra 50 DC white bracket, no cover
- · Controlled wirelessly through radio frequency. External antenna
- · Requires individual or group 24V DC power supply
- · Includes a 9"L Weidermüller non-removable pigtail
- · Power Supply & Enclosure Kits available in 5, 10, 15 or 20 motor configurations, sold separately. Wall plug-in power supply available for single motor

DESIGN CONSIDERATIONS

- Pocket installation or valance recommended to conceal componentry when specifying Sonesse Ultra 50 DC
- · For tall windows we recommend specifying a custom valance length to maintain proper scale and proportion
- · For bracket dimensions and casement requirements, see p133

LINE VOLTAGE - 120V MOTOR

Our most powerful motor series to efficiently operate almost any shade dimensions at a nearly silent audible level. These motor systems can be hardwired into electrical systems or plugged into a standard 120V wall outlet.

NOTE: Wiring AC power requires an electrician and a permit.

DETAILS

- · Sonesse motor series, designed for silence (38-42db)
- · Motor determined by shade weight and size:
- Sonesse Ultra 50 AC: standard
- Sonesse 40 AC: used if shade is under 353/4"W

	Min. Depth	Max. Weight	Min. Width	Min. Width	Cable
Sonesse Ultra 50 AC	3½"	48lbs	351⁄4"W	8"L	9'L
Sonesse 40 AC	3½"	34lbs	241/8"W	8"L	11'L

- · Open leads standard, Fast Connector or NEMA Plug available
- · Motor is concealed inside an aluminum tube and mounted with white brackets
- · Controlled wirelessly through radio frequency. Antenna concealed inside motor cable

DESIGN CONSIDERATIONS

- · Pocket installation or valance recommended to conceal componentry
- · Other cable lengths available
- · For tall windows we recommend specifying a custom valance length to maintain proper scale and proportion
- · For bracket dimensions and casement requirements see p133



Sonesse Ultra 50 AC



Fast Connector allows the shade to be disconnected from power without a licensed electrician

CONTROLS



H&F motorized shades are offered with a variety of control options.

See Natural Woven Shade section *p064*

3 UPGRADES



FLAT VALANCE

Clean and simple, this valance can be used to modernize the setting or to cover a Performance Rollershade.

INSIDE MOUNT DETAILS

- · 6"L. Custom sizes available
- · Valance attached to wrapped 1"D x 1"H wood headrail. Other headrail sizes available, see chart *p143*
- · Side returns not available
- · 1/8"W deduction
- · Unlined; liner not available

OUTSIDE MOUNT DETAILS

- · 4"D x 6"L. Custom sizes available. When placing order, specify the inside box dimensions. Overall width may vary due to wood return and weave thickness (1½"-1¾")
- · Wrapped wood box frame
- · Unlined; liner not available

DESIGN CONSIDERATIONS

 \cdot When ordering a valance wider than max seamless width, fabric will be railroaded or seamed vertically



Inside Mour



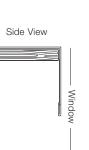
Outside Mount

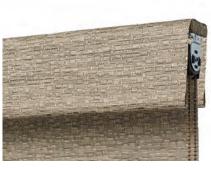
DOUBLE FLAT VALANCE

Fabric falls from both the front and back of the headrail in this valance style. It is an ideal solution for Performance Rollershade concealment, to hide light gaps or conceal component hardware.

DETAILS

- · Inside mount only
- \cdot 6"L. Custom sizes available
- \cdot Valance attached to a wrapped wood headrail, size must be specified
- · Side returns not available
- · 1/8"W deduction
- · Unlined; liner not available





Inside Mount with custom bracket



HANDWOVEN BORDER TRIM

An exquisite collection of custom handwoven border trims featuring geometric and organic patterns.

DETAILS

- · 13/4"W, made of 100% natural ramie
- · Handsewn to the top of shade hem
- · Available By-the-Yard

DESIGN CONSIDERATIONS

- · Coordinates with the Woven-to-Size Grassweave Essence Collection
- \cdot COM trim is available. Must be submitted for approval

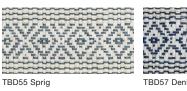


DIAMOND









CHEVRON





TBC51 Saffron



TBC15 Muslin





STRIATED











._____



ULTRA METAL HEM BAR

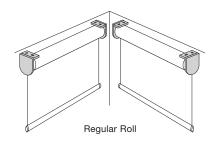
The Ultra Metal Hem Bar features architectural detailing that works well in interior environments where coordinating metal is involved or when a modern influence is prevailing.

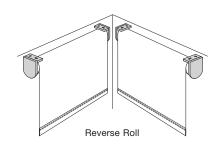
DETAILS

- · Made of extruded aluminum
- · Available up to 144"W



SUPPORT INFORMATION





REGULAR ROLL | REVERSE ROLL

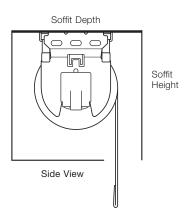
Rollershades can be ordered in one of two ways, depending upon application, window configuration and hardware.

REGULAR ROLL DETAILS

- · Fabric rolls off rear of shade tube
- · Shade is closer to the window, allowing less light leakage on the sides of the window
- · Ideal for french door applications to avoid door hardware

REVERSE ROLL DETAILS

- · Fabric rolls off front of shade tube
- · Reverse roll should be used when avoiding window hardware
- Recommended for corner applications to reduce light gap where shades meet



SOFFIT DIMENSION REQUIREMENTS

Ideal for modern architecture or covering multiple windows with one automated shade, automated Roller Style shades integrate into most control systems and tuck neatly into soffits.

- · Sizes listed below are minimum requirements, extra space is always recommended
- · Maximum roll diameter and width of shade is based on weave selected and bracket configuration
- · We recommend regular roll in soffit applications to minimize light gaps
- · For other options if these don't meet your requirements contact H&F

Method of Operation	Min. Depth	Min. Height
Ultra Clutch	4"	5"
Newton	4"	5"
12V: Sonesse 28 w/ External Battery Wand	5"	5"
12V: Sonesse 28	4"	5"
12V: Sonesse Ultra 30	4"	5"

Method of Operation	Min. Depth	Min. Height
24V: Sonesse 30 DC	4"	5"
24V: Sonesse 50 DC	5"	6"
120V: Sonesse 40 AC	5"	6"
120V: Sonesse 50 AC	5"	6"

CASEMENT REQUIREMENTS

Roll diameters vary by fabric selected and window dimensions. Below are estimated requirement depths to help you calculate dimensions for casings or soffits.

- · For large shades or medium to heavy fabrics contact H&F for support or use rollershade calculator online at hartmannforbes.com/calculators
- · For narrow casement depth situations contact H&F for support

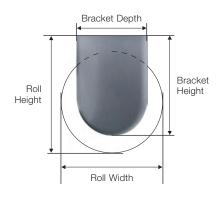
CASEMENT REQUIREMENT RANGE*

			Battery 12V Wirefree			Low V	oltage IV	Line Voltage 120V	
	Ultra Clutch		Ultra 30	28	Ultra 28 external battery	30 DC	Ultra 50 DC	Ultra 50 AC	40 AC
Rollershade Minimum	2½"D	2½"D	2½"D	2½"D	3½"D	2½"D	3½"D	3½"D	3½"D
Rollershade Maximum	31/4"D	31/4"D	31/4"D	31/4"D	41⁄4"D	31/4"D	4¾"D	4¾"D	4¾"D

^{*} For precise calculations based on selected fabric, go to hartmannforbes.com/calculators or contact H&F

BRACKET DIMENSIONS

			Battery 12V Wirefree			Low Voltage 24V		Line Voltage 120V	
	Ultra Clutch	Newton	Ultra 30	28	Ultra 28 external battery	30 DC	Ultra 50 DC	Ultra 50 AC	40 AC
racket Depth	2½"D	2½"D	2½"D	2½"D	2½"D	2½"D	3½"D	3½"D	3½"D
racket leight	31/8"H	31/8"H	31/8"H	31/8"H	31/8"H	31/8"H	4½"H	4½"H	4½"H

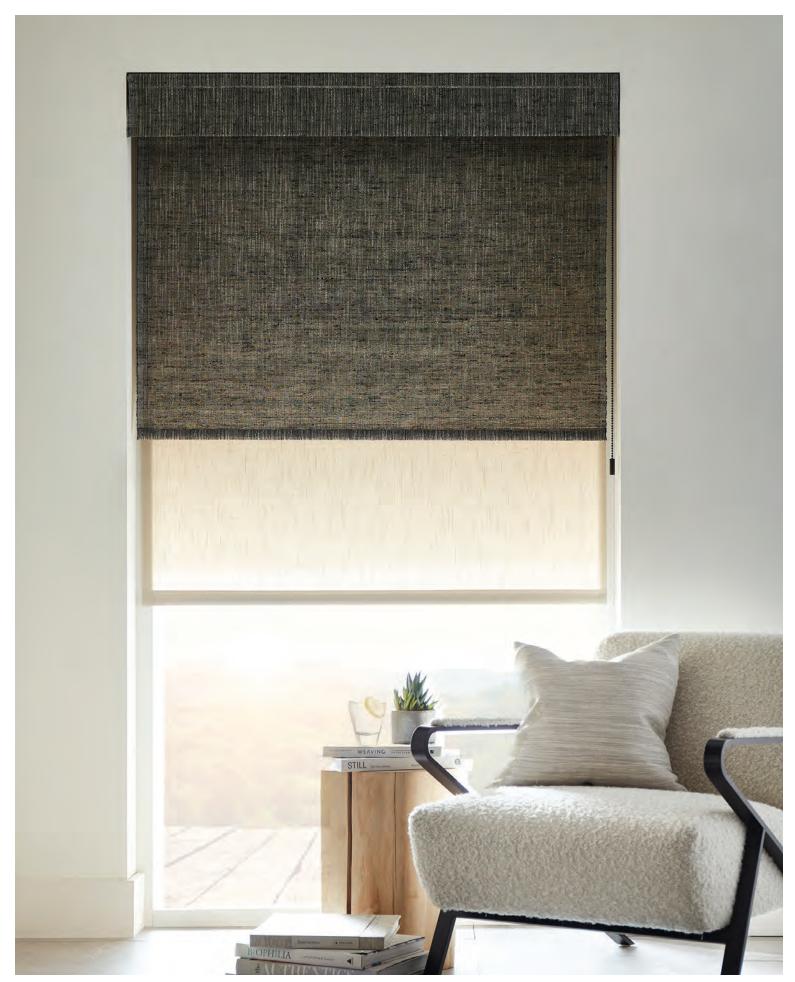




HOW TO SPECIFY TOP TREATMENTS

COLLECTIONS
Available in all collections

1	SELECT TOP TREATMENT STYLE	
-41	Flat Valance Double Flat Valance1	3.
	Structured Valance1	38
	Hobbled Valance1	39
	Faux-Roman Valance	14
_		
2	SELECT UPGRADES Privacy Liner 1	
	Trivacy Emicri	
	Mitered Valance1	4
	Non-Standard Depths1	4



FLAT VALANCE

Straight forward and elegant, this unstructured valance can be used to accessorize a windowcovering or as a stand-alone valance.

NATURAL WOVEN COLLECTIONS DETAILS

- · Available inside mount only. If specifying an outside mount consider a structured valance, see *p138*
- · 6"L. Custom sizes available
- · Valance attached to wrapped 1"D x 1"H wood headrail.

 Other headrail sizes available, see chart *p143*
- · Side returns not available
- · WTS: 1/4"W deduction, TTS: 1/8"W deduction
- · Unlined; liner available as upgrade, see options p142
- · When ordering a valance wider than max seamless width, fabric will be railroaded or seamed vertically

SOFT NATURAL FABRIC COLLECTION DETAILS

- · 6"L. Custom sizes available
- · Inside mount valance attached to a wrapped 1"D x 1"H wood headrail.

 No side returns. 1/4"W deduction
- \cdot Outside mount valance attached to a wrapped 1½"D x ¾"H wood headrail. Side returns wrapped to depth of headrail
- · Valance lined with color-coordinated translucent liner. Sheer liner available at no-charge, see options *p142*
- · Solid fabrics are railroaded; patterned fabrics are seamed vertically



Flat Valance



Flat Valance Soft Natural Fabric Collection inside mount

DOUBLE FLAT VALANCE

Fabric falls from both the front and back of the headrail in this valance style. It is an ideal solution for Roller Style to hide light gaps or conceal component hardware.

DETAILS

- · Inside mount only
- · 6"L. Custom sizes available
- \cdot Valance attached to a wrapped 2¼"D x ¾"H wood headrail. Other headrail sizes available, see chart *p143*
- · Side returns not available
- · WTS: 1/4"W deduction, TTS: 1/8"W deduction
- · Unlined; liner available as upgrade, see options *p142* Soft Natural Fabric Collection valance includes liner
- · When ordering a valance wider than max seamless width, fabric will be railroaded or seamed vertically



Double Valance



Structured Valance



STRUCTURED VALANCE

This valance features a wood silhouette frame that helps maintain the fabric's structure while still allowing light to gently filter through.

DETAILS

- · Available outside mount only
- \cdot 4"D x 8"L. Custom sizes available. When placing order, specify the inside box dimensions. Overall width may vary due to wood return and weave thickness (1½" 1¾")
- · Bottom hem with internal stabilizer bar
- · Unlined; sheer and translucent liners available as upgrade, see options *p142*. Blackout liner not available

(ID) DESIGN CONSIDERATIONS

- · Some weaves, such as reeds, bamboo peel, etc., require railroading
- · Valances wider than the shade material, including the returns, will be spliced
- · Consider Extra Density Weaving on sheer open weaves, see p074
- · For tall windows or shades with motors, we recommend specifying a 9"L or longer valance to conceal componentry or to maintain proper scale
- · Not available in Colourweave or Soft Natural Fabric Collections
- · If installing an automated shade under valance, make additional length accommodations for the ¾"H valance headrail

HOBBLED VALANCE

The fabric of a Hobbled Valance softly waterfalls off the front, offering dimension and character to the top of a window.

NATURAL WOVEN COLLECTIONS - DETAILS

- · Available height: 12," 18" and 24" 6"L folds. Contact H&F for custom heights and additional folds
- · Inside mount Valance attached to wrapped 1"D x 1"H wood headrail, WTS: %"W deduction, TTS: ¼"W deduction
- · Outside mount Valance attached to wrapped 1½"D x ¾"H wood headrail; side returns not available
- · Unlined; liner available as upgrade, see options *p142*

SOFT NATURAL FABRIC COLLECTION - DETAILS

- · Available heights: 12," 18" 6"L folds. Contact H&F for custom heights and additional folds
- · Inside mount Valances attached to wrapped 1"D x 1"H wood headrail; side returns not available; 1/8"W deduction
- · Outside mount Valance attached to a wrapped 1½"D x ¾"H wood headrail
- · Valance lined with color-coordinated translucent liner. Sheer liner available at no-charge, see options *p142*
- · Solid fabrics are railroaded; patterned fabrics are seamed vertically

DESIGN CONSIDERATIONS

· Consider Extra Density Weaving on sheer open weaves, see p074



Double Hobbled Valance



Triple Hobbled Valance





FAUX-ROMAN VALANCE

This valance features three fixed folds, which mimics the look of a raised Old Style roman shade. It is an elegant window accessory if paired with drapery panels or used as a stand alone treatment.

NATURAL WOVEN COLLECTIONS - DETAILS

- · Three hand-sewn folds are fixed along valance bottom
- · Inside mount Wrapped 1"D x 1"H wood headrail.

 WTS: 1/4"W deduction, TTS: 1/8"W deduction
- · Outside mount Wrapped 1½"D x ¾"H wood headrail. 2"L side returns. Custom sizes available
- · Available 12"L, 18"L and 24"L
- · Unlined; liner available as upgrade
- · Widths available up to 180"W

SOFT NATURAL FABRIC COLLECTION - DETAILS

- · Three hand-sewn folds are fixed along valance bottom
- \cdot Inside mount Wrapped 1"D x 1"H wood headrail with $\frac{1}{8}$ "W deduction
- · Outside mount Wrapped 1½"D x ¾"H wood headrail. 6"L side returns. Custom sizes available
- · Available 12"L, 18"L and 24"L
- · Valance lined with color-coordinated translucent liner. Sheer liner available at no-charge, see options *p142*
- \cdot Widths available up to 120 $\!\!^{\text{\tiny "W}}$. Solid fabrics are railroaded; patterned fabrics are seamed vertically

DESIGN CONSIDERATIONS

- · Additional folds available. Contact H&F for support
- · Consider adding bottom trim with a Drop Hem Upgrade. See Handwoven Border Trim *p129* or specify COM trim





Faux-Roman Valance shown 24"L



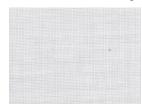
Faux-Roman Valance shown 24"L with Drop Hem upgrade

2 UPGRADES

Privacy Liner Fabric Colorways

SHEER - An elegant lightweight liner designed to complement the candling effects of natural textiles, while offering an additional veil of privacy.

Cotton



SH01 Soft White Max. seamless width: 108" Cotton



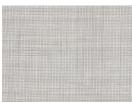
SH02 Linen Max. seamless width: 108" Cotton/Poly



Max. seamless width: 108"



SH05 Umber Max. seamless width: 108" Cotton/Poly Cotton



SH07 Slate Max. seamless width: 108"

TRANSLUCENT - A midweight liner that offers more privacy and sunlight control than a sheer liner, while retaining a soft hand and elegant drape.



TR01 Soft White Max. seamless width: 110"



Max. seamless width: 110"



TR03 Khaki Max. seamless width: 52"



TR04 Sepia Max. seamless width: 52" Cotton/Poly



TR06 Asher Max. seamless width: 52" Cotton/Poly

BLACKOUT - A densely woven insulating liner that blocks 99% of light for complete privacy. Works well in bedrooms, media rooms or when light blockage is desired.



BO00 Bright White Max. seamless width: 108" Cotton w/Rayon Acrylic Latex



BO05 Umber Max. seamless width: 108" Cotton w/Rayon Acrylic Latex



Max. seamless width: 108" Cotton w/Rayon Acrylic Latex

BO07 Mist

Max. seamless width: 108"

Cotton w/Rayon Acrylic Latex



Max. seamless width: 108" Cotton w/Rayon Acrylic Latex

BO08 Black

Max. seamless width: 52"

Poly w/Rayon Acrylic Latex



Max. seamless width: 52" Cotton w/Rayon Acrylic Latex



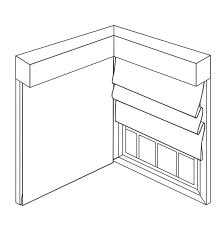
BO04 Sepia Max. seamless width: 108" Cotton w/Rayon Acrylic Latex

MITERED VALANCE

To achieve better fit in a corner or bay window, use a mitered valance. Each side is carefully mitered to provide a clean appearance from the front.

DETAILS

- · Top Treatments made to chosen style specifications
- · Template required for bay window
- · Not available as a structured valance



NON-STANDARD TOP TREATMENT DEPTHS

An upgrade charge will apply when specifying a deeper than standard headrail — charges include the additional costs of wood and labor. Narrower headrails are a no-charge option.

Available Headrail Sizes:

34"D x 34"H	21/4"D x 3/4"H	3¾"D x ¾"H
1"D x 1"H	2½"D x ¾"H	4"D x ¾"H
1½"D x ¾"H	2¾"D x ¾"H	4½"D x ¾"H
1¾"D x ¾"H	3½"D x ¾"H	5¼"D x ¾"H

STANDARD TOP TREATMENT DEPTH

Top Treatment Style	Inside Mount	Outside Mount
Flat Valance	1"D	1½"D
Double Flat Valance	2½"D	N/A
Structure Valance	N/A	Size must be specified
Hobbled Valance	1"D	1½"D
Faux Roman Valance	1"D	1½"D
Solarscreen Flat Valance	1"D	Size must be specified
Solarscreen Double Flat Valance	Size must be specified	N/A



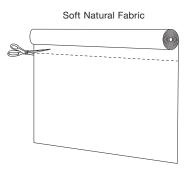
BY-THE-YARD TEXTILES

Our yardage programs are ideal for architects, designers, custom workrooms or automation specialists who want to use our textiles in their projects for a variety of uses.



NATURAL FABRIC

The Soft Natural Fabric Collection is available as cut yardage, in full width cuts. Refer to Weave Detail in the Price List for dimensional widths of each fabric design and pricing.



NATURAL WOVEN PANELS

H&F exclusive Natural Woven Textiles are available as custom sized panels, either woven or tailored to your size specifications. Refer to Price List for pricing.



COLLECTIONS

Grassweave & Papyrusweave

Panels are custom handwoven within a ½" side-to-side tolerance and edges are finished with our exclusive looped-edge. Sizes may vary slightly from panel to panel due to the nature of handweaving.

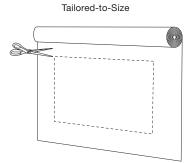


COLLECTIONS

Grassweave, Papyrusweave, Colourweave & Performance Fabric

Finished Panels – Materials are precisely cut and the material is squared. Edges are handsewn or glued and the fabric irregularities are repaired.

Unfinished Panels – Materials are rough cut in square foot increments. Width and lengths will not be perfectly square and material is not repaired.



NATURAL BORDER TRIM

Handwoven Border Trim is available By-the-Yard. See design and colorways *p129*. Refer to Price List for pricing.







ORDERING NATURAL WALLCOVERING

SELECT WALLCOVERING DESIGN

For full library of designs, refer to Product Portfolio or online at hartmannforbes.com



NATURAL WALLCOVERING

REVIEW WEAVE DETAIL & LIMITATIONS

Weave Detail charts include pricing, repeat, roll width and length, backing, FR classification and LEED information, refer to the Price List.

CALCULATE YARDAGE

To calculate yardage for quoting purposes, use the online yardage calculator at hartmannforbes.com. For final measurements and installation, please use a professional wallcovering hanger to reduce the potential for error.

SPECIFY

- · Calculate price by multiplying yardage required by the design's price per yard
- · Calculate shipping and handling
- · Submit your order to your local representative showroom or email to hfcr@hartmannforbes.com

PRICE

Refer to the Price List.

For assistance with specifying or ordering please contact your local representative showroom or H&F.

NATURAL FIBERS



NATURAL FIBERS
CHARACTERISTICS
& CARE

NATURAL FIBERS CHARACTERISTICS								CI	IAR	AC	ΓERI											Ē		
		Drapability			Resilience			Hand			Res	Sun sista			essi equir		Str	etch	ing	CI	leanii	ng	Ironing	
& CA	RE	EXCELLENT	GOOD	POOR	STRONG	MODERATE	FRAGILE	SUPPLE	MODERATE	M	EXCELLENT	GOOD	POOR		MODERATE			MODERATE	*	DRY CLEANING	HAND WASHABLE	LIGHT DUSTING	МОДЕВАТЕ ТЕМР	LOW TEMP
FABRIC	DESCRIPTION	EX	09	PO	STI	M	FR,	SU	M	FIRM	EX	09	PO	HIGH	MO	LOW	HIGH	M	LOW	DR	H	LIG	MO	LO
Abaca	A soft fiber from the banana plant leaf stalk is stripped into very fine strands. Commonly known as banana hemp.		•			•			•			•			•			•				•		•
Arrowroot	Derived from the inside of an Arrow tree vine, this fiber is light and airy with a glossy smooth finish. It is grown and harvested seasonally and very limited in its supply.	•				•		•				•			•			•				•		
Bamboo	A woody tropical grass with hollow woody stems; mature canes are used for manufacturing furniture and windowcoverings. Peel, inner peel and husks can be used raw and inner peel can be spun into a thread to make a textile.		•		•				•			•				•		•				•		
Banana Fiber	A thick, soft fiber that is cultivated from a banana tree trunk. Coloration varies greatly depending on the climate in which it is grown and how it is dried.		•			•			•			•				•			•			•		•
Cork	Obtained from the outer layer of the evergreen oak tree, this material is prized for its rich texture and durability. It is a renewable resource, regenerating every 9-12 years for over two hundred years.																					•		
Cotton	The soft fiber of cotton produces a thread that weaves into a strong and breathable textile.	•				•		•			•			•				•			•		•	
Flax/Linen	Characterized by its crisp and textured feel, this grassy fiber can be used in its raw state but is more often refined to make linen, a versatile textile with high natural luster.		•		•			•						•				•		•			•	
Jute	A long, soft, shiny vegetable fiber that can be spun into strong thread or woven in its natural leafy state.			•	•					•		•		•					•			•		
Mendong	Grown in wet soil, the flower is utilized from this highly sustainable plant.		•			•			•			•			•				•			•	•	
Macuna	Extracted from the inside of a Macuna vine. Harvested year round, this abundant fiber offers a natural sheen.	•				•		•				•			•			•				•		
Palm	Obtained from the bones of the palm leaves, this durable fiber takes on color hues when cured.		•			•			•			•			•			•				•		•
Pandan	Commonly reserved for Southeast Asian cuisine, this tropical plant possesses similar characteristics to stiff grass.			•		•				•		•				•			•			•		
Paper/ Wood-Pulp Fiber	An ultra thin material made from wood fibers are mechanically separated and stretched when wet. Pulp fiber materials are often twisted prior to weaving to add strength.															•			•			•		
Ramie	Native to Asia, the fibers from the stem of the ramie plant are strong enough to be stripped into refined strands while maintaining a soft, textured nature.		•			•			•			•			•			•				•		•
River Reed	A hollow grass-like plant that grows abundantly in tropical wetlands such as marshes or paddies. When dried, river reeds take on woody characteristics.		•			•			•							•			•			•		
Sea Grass	A grass that grows in a saltwater environment. It is cultivated in flooded paddy fields. When dried, these grasses become very stiff.		•			•			•			•				•			•			•		
Sisal	From the agave plant, this durable fiber becomes stiff when dried and interwoven.			•	•				•			•			•			•				•		•
Vetiver	A curly fiber from the root of the vetiver plant that becomes stiff when dried. Its strong earthy fragrance is commonly used in perfumes or colognes.			•		•			•			•				•		•				•		
Walingi	A grassy fiber indigenous to the South Pacific. When dried, its variegated nature makes it easily distinguishable.			•		•			•			•				•		•				•		•
Water Hyacinth	A hollow, grassy fiber that takes on grass-like characteristics when dried and split.		•			•			•			•				•		•				•		•

888.582.8780 | HARTMANNFORBES.COM | **153 152** | HARTMANNFORBES.COM | 888.582.8780

SAFETY BY DESIGN

We are committed to the safety and health of those who use our natural windowcoverings. We make key decisions throughout the design, weaving and crafting process to ensure our products do not endanger those around them. Our Safety by Design™ Initiative is meant to communicate these safety considerations.

CONTRIBUTING TO SAFETY

We remain steadfast in our dedication to make windowcoverings that meet or exceed safety guidelines as prescribed by the American National Standards Institute (ANSI) and the Window Covering Manufacturers Association (WCMA). We conduct ongoing testing to ensure that our windowcoverings are safe to operate, and continually strive to research and engineer innovative solutions and techniques to further improve shade safety.

Refer to Automation sections for complete cordless solutions.

CONTRIBUTING TO HEALTH

We minimize the use of additives that may off-gas and reduce indoor air quality. We use natural techniques to achieve rich color tones and low or no VOC paints, stains and adhesives whenever possible. As a result, our products have a minimal impact on air quality within an interior environment.

Safety features



ROMAN SHADE SHROUD

A non-invasive cord that attaches to a shade's rear pull-cords, preventing the cords from being drawn into a loop large enough to endanger children and pets.



CORD CLEAT

A Cord Cleat helps shorten cords, keeping them out of the reach of children or small pets, as well as keeping them taut to ensure a loop cannot be made.



CONTROL GUIDE

A device used to keep cord loops taut by holding the operational cord or chain in place ensuring a large loop cannot be created. We ship this device in a manner that makes the system inoperable unless it is properly installed.



Rollerfold p045

SAFETY by DESIGN™

LABEL

Our warning labels and hang tag booklets reiterate the potential hazards of corded windowcoverings. The labels are designed to increase awareness of the safety features of all Hartmann&Forbes shades.



TRADE

A PERSONALIZED BOUTIQUE EXPERIENCE

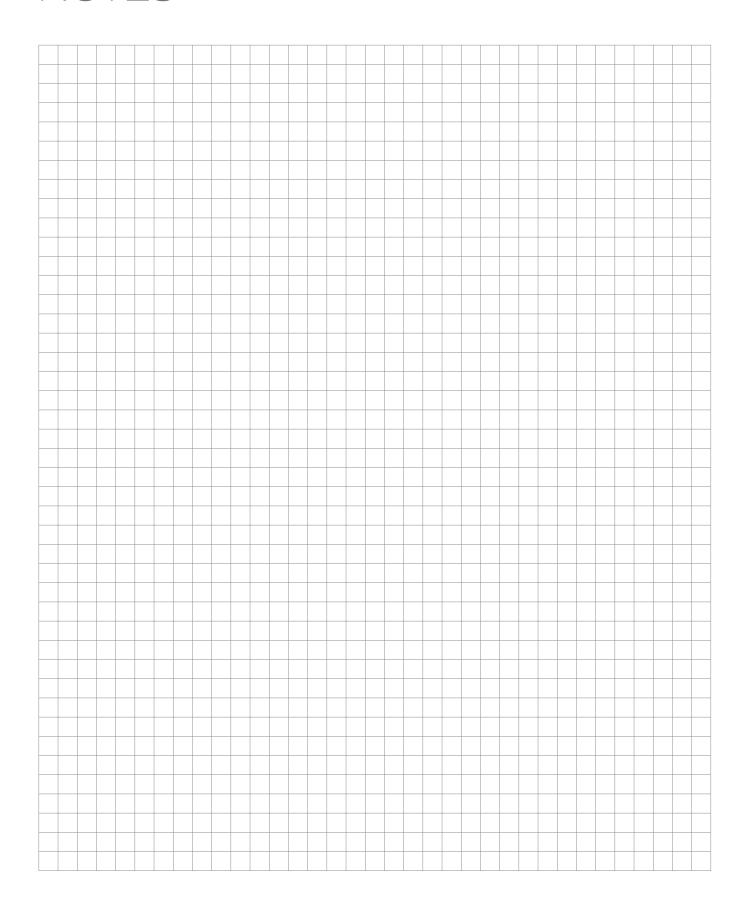
For a complete showroom listing visit hartmannforbes.com/showrooms or contact H&F at 888.582.8780





154 | HARTMANNFORBES,COM | 888.582.8780 | HARTMANNFORBES,COM | 155

NOTES



BOSTON

NEW YORK

WASHINGTON DC

HOLLYWOOD, FL

ATLANTA

DETROIT

CLEVELAND

CHICAGO

ARLINGTON HEIGHTS

MINNEAPOLIS

DENVER

ST. LOUIS

KANSAS CITY

DALLAS

HOUSTON

SCOTTSDALE

SEATTLE

SAN FRANCISCO

LOS ANGELES

LAGUNA NIGUEL

CALGARY, AB

VANCOUVER, BC

TORONTO, ON