



2010 MFA TIME STANDARDS MANUAL

The Time Standards Manual was developed in 1996 by the Marine Fabricators Association (MFA)—a division of the Industrial Fabrics Association International—to serve as a benchmark shop owners can use to set fabrication times, with which they can generate competitive labor costs. The manual is an ongoing project that will grow and change organically in response to the ever-changing marine industry.

Please be aware that this manual was developed by “experts” in the industry, and that the times stated for each project are averages. Individual times may differ depending on experience and technique. We suggest that each shop log its average project times so that it is able to quote its customers as accurately as possible.



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How it works

Your input is crucial

The accuracy of this manual depends on input from industry experts. To suggest changes, modifications or additions for the next the manual, please contact:

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The manual features exterior categories and upholstery categories. Marine canvas and upholstery is a custom-oriented business, so each product category features a base set of times that changes according to the various sizes of the project.

The manual also indicates re-cover estimates on tops by classifying frames and tops into separate categories. For a complete frame and top, simply add the times for both categories. For a re-cover job, use the times for the top only.

Example Project

PLEASE NOTE: The category timetables do not include any of the options listed at the end of the category. Why? The list of times to cover every possible product combination would quickly fill up a dictionary, and then some. To estimate the total time for a custom product, you must add the time from the product table to the times of each of the options at the bottom of the list. Here's an example:

Product

This bimini top on a sailboat requires a split mount to get around the winches. There are two back-stays going through the top, the customer wants two sailing windows, and the beam is nine feet wide. The customer also wants the top to be 96 inches long from front to back. To clear the winches, you also must put a dog leg in one of the two main bows. Finally, the customer also wants a zip-off cover for winter storage.

Estimate example

As you can see from this example, the options list offers the key to getting accurate total hours for each custom product.

Frame

	1-inch stainless steel frame;	
	4-bow bimini with a 9-foot beam	3 hours
Options:	Split mount	0.75 hours
	Dog-leg for one bow	0.5 hours
	TOTAL FRAME HOURS	4.25 hours

Top

	4-bow bimini top with	
	10-foot beam	7 hours
Options:	Zipper pockets	2 hours
	2-stay cutout	3 hours
	2 sailing windows	
	= 2 x 1.50 hours	3 hours
	Storage boot	1.5 hours
	TOTAL TOP TIME	16.50 hours

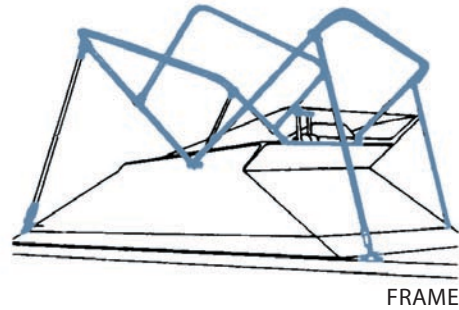
TOTAL JOB TIME	20.75 hours
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According to the manual, the average marine fabricator would require 20.75 hours to complete this project. This total includes the time it takes to complete each of the following tasks:

- give the estimate
- design the product
- order the materials
- receive and pay for the materials
- bend the frame
- mount and fit the top
- cut the top out
- sew the top up
- install the top
- bill and collect the money

» FRAME

1-INCH STAINLESS FRAME		*These times include the design, bending, assembly and installation of the frame onto the boat. They do not include any of the options listed below, nor do they include the actual fit of the top.		
Beam (In Feet)	7'	9'	10.5'	13.5'
1-bow	1.5 hrs.	1.5 hrs.	1.75 hrs.	2.5 hrs.
2-bow	2 hrs.	2.25 hrs.	2.5 hrs.	4 hrs.
3-bow	2.5 hrs.	2.75 hrs.	3 hrs.	5 hrs.
4-bow	3 hrs.	3.25 hrs.	3.5 hrs.	5 hrs.
5-bow	3.5 hrs.	3.75 hrs.	4 hrs.	6 hrs.
7/8-INCH FRAME				
1-bow	1.25 hrs.			
2-bow	2 hrs.			
3-bow	3 hrs.			
4-bow	4.5 hrs.			
OPTIONS				
Rigid supports (one pair)	1 hr.			
Through-bolt mounts	0.75 hr.			
Severe angle mounts	2 hrs.			
Dog-leg bow	0.5 hr.			
Split mount	0.75 hr.			
Grab rail	0.5 hr.			



» ATTACHED BIMINI

*An attached bimini is any top supported by framework and attached to either the boat, a radar arch or another top at one end. The times and materials listed here are for a base product with no zipper pockets, enclosure zippers, or any other option listed		below. This does not include convertible tops. These times are for the canvas top only; they do not include manufacturing the frame or installing the frame on the boat.		
Beam (In Feet)	7'	9'	10.5'	13.5'
1-bow	4.5 hrs.	5 hrs.	5.5 hrs.	7 hrs.
2-bow	5.5 hrs.	6 hrs.	7 hrs.	9 hrs.
3-bow	6 hrs.	7.5 hrs.	9 hrs.	12 hrs.
4-bow	7.5 hrs.	9 hrs.	10.5 hrs.	13.5 hrs.
OPTIONS				
Beam (In Feet)	7'	9'	10.5'	13.5'
Zipper removal of attachment	1 hr.	1.25 hrs.	1.5 hrs.	1.75 hrs.
Straps (one pair)	0.5 hr.			
For odd-shaped arch:	Add 1.5 hrs.			
Zipper Pockets				
1-bow	0.33 hr.	0.5 hr.	0.6 hr.	0.75 hr.
2-bow	0.49 hr.	0.6 hr.	0.75 hr.	1 hr.
3-bow	0.6 hr.	0.75 hr.	1 hr.	1.25 hrs.
4-bow	0.75 hr.	1 hr.	1.25 hrs.	1.5 hrs.



» BIMINI TOP

*A bimini top is any top supported by framework at both ends. The times and materials listed here are for a base product with no zipper pockets, enclosure zippers, or any other option listed

below. These times are for manufacture of the canvas top only; they do not include manufacturing the frame or installing the frame on the boat.

Beam Width (In Feet)	7'	9'	10.5'	13.5'
2-bow	5 hrs.	5.25 hrs.	6.5 hrs.	7 hrs.
3-bow	6 hrs.	6.25 hrs.	7 hrs.	8 hrs.
4-bow	7 hrs.	8 hrs.	10 hrs.	13 hrs.
5-bow	8 hrs.	9 hrs.	11 hrs.	14 hrs.

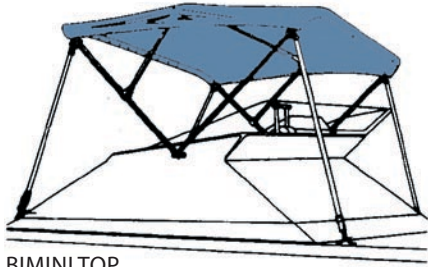
OPTIONS

Beam Width (In Feet)	7'	9'	10.5'	13.5'
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Zipper Pockets

2-bow	1 hr.	1.25 hrs.	1.5 hrs.	1.75 hrs.
3-bow	1.75 hrs.	1.5 hrs.	1.75 hrs.	2 hrs.
4-bow	2 hrs.	2.25 hrs.	2.5 hrs.	2.75 hrs.
5-bow	2.5 hrs.	2.25 hrs.	2.5 hrs.	2.75 hrs.

MORE OPTIONS

Straps (one pair)	0.5 hr.	
1 stay cutout	2 hrs.	
2 stay cutouts	3 hrs.	
Sailing window with cover	1.5 hrs.	
Storage boot	1.5 hrs.	

BIMINI TOP


» CONNECTORS

*A connector is any fabric product typically fastened at both ends via zippers or hardware that connect between two top products or between a top product and the boat. Length is limited to one

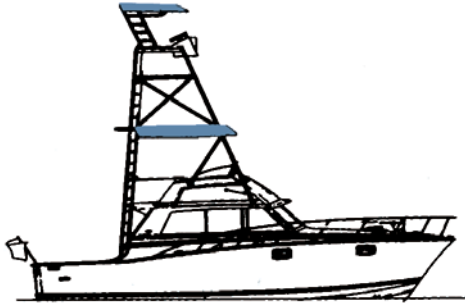
width of fabric. A connector can be between a bimini and an arch or windshield, or between a dodger and a bimini.

Beam Width (In Feet)	7'	9'	10'	13.5'
Canvas connector	4 hrs.	4.25 hrs.	4.5 hrs.	6 hrs.
Clear connector	5 hrs.	5.25 hrs.	5.5 hrs.	7 hrs.


» CONVERTIBLE TOP

* A convertible top is any top supported by framework that attaches to a windshield on the front edge. Times and materials listed are for a base product with no zipper pockets, enclosure		zippers, or any options. The times do not include manufacturing or installing the frame; they are for the canvas top only.			
Beam Width (In Feet)	7'	9'	10.5'	13.5'	
2-bow	7 hrs.	7 hrs.	9.5 hrs.	12.5 hrs.	
3-bow	8 hrs.	8 hrs.	10.5 hrs.	14 hrs.	
OPTIONS					
Zipper walk-through	2 hrs.				
Front panel clear insert	3 hrs.				
Straps (one pair)	0.5 hr.				
Beam Width (In Feet)	7'	9'	10.5'	13.5'	
Zipper Pockets					
2-bow	1 hr.	1.25 hrs.	1.5 hrs.	1.75 hrs.	
3-bow	1.75 hrs.	1.5 hrs.	1.75 hrs.	2 hrs.	
BIMINI OPTION					
Beam Width (In Feet)	7'	9'	10.5'	13.5'	
Converts to a bimini	2 hrs.	2.5 hrs.	3 hrs.	3.5 hrs.	

» STRUCTURED TOP/TEE TOP/BUGGY TOP


* These products consist of laced and banded tops on large welded structures of boats. Figures include the top only and not		the supporting structure, and are for a basic top without cutouts or any other options.			
LACE-ON TOP					
Length Of Top (In Feet)	6'	9'	12'	15'	18'
1 pass/width	4.5 hrs.	5 hrs.	5.5 hrs.	6.5 hrs.	8 hrs.
2 passes/widths	6.75 hrs.	7.25 hrs.	8 hrs.	8.5 hrs.	9.25 hrs.
BANDED TOP (fastened via trim, not lacing)					
Length Of Top (In Feet)	6'	9'	12'	15'	18'
1 pass/width	6.5 hrs.	7 hrs.	7.5 hrs.	8 hrs.	8.5 hrs.
2 passes/widths	10 hrs.	11 hrs.	12 hrs.	13 hrs.	14 hrs.
3 passes/widths	12 hrs.	13 hrs.	14 hrs.	15 hrs.	16 hrs.
OPTIONS					
Antenna mount	0.5 hr.				
Radar mount on top (not including electrical)	1.5 hrs.				
Cutout					
Easy	0.5 hr.				
Average	0.75 hr.				
Difficult	1-2 hrs.				
Reinforcing patch					
Small	0.25 hr.				
Medium	0.5 hr.				
Large	1 hr.				
Separate fitted panels	1.5 hrs.				
U-zipper climb-through	2 hrs.				

» TRADITIONAL DODGER

*These figures are for the cover of a dodger only. They do not include the frame structure times or any of the options listed		below. The roll-up front center window is standard on all dodgers.		
Beam Width (In Feet)	4'	9'	10.5'	13.5'
2-bow	12.5 hrs.	14.5 hrs.	15.5 hrs.	18 hrs.
3-bow	15 hrs.	16 hrs.	17 hrs.	19 hrs.
CALIFORNIA DODGER				
Beam Width (In Feet)	4'	9'	10.5'	13.5'
2-bow	15.5 hrs.	17.5 hrs.	18.5 hrs.	21 hrs.
3-bow	18 hrs.	19 hrs.	20 hrs.	22 hrs.
OPTIONS				
Aft grabrail	1 hr.			
Side grabrail	1 hr.			
Aft zipper flap	0.5 hr.			
Rope cutout	0.25–0.50 hrs.			
Chafe patch	0.75–1.5 hrs.			
Removable front	1.5 hrs.			
Porthole window	0.75 hr.			
Wing windows	1 hr.			
Window covers				
Full-forward	1.5 hrs.			
Individual	0.75 hr.			
Zipper	1 hr.			
Center grabrail	3 hrs.			
Cellphone pockets	0.5 hr.			

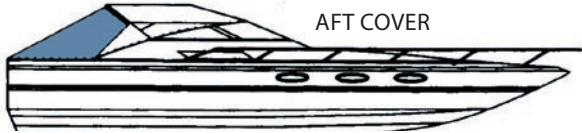
TRADITIONAL DODGER

» SPRAYHOOD

*Although these products usually are found on center-console boats, they recently have grown more common on bowrider-style boats. The labor figures are for the canvas top with a small		roll-up window in the front center, and do not include the frame structure. The basic times are for a standard product and do not include any options.		
Mount Beam (In Feet)	4'	6'	8'	10'
2-bow	8 hrs.	9 hrs.	11 hrs.	12.5 hrs.
3-bow	9 hrs.	10 hrs.	12 hrs.	13.5 hrs.
OPTIONS				
Mount Beam (In Feet)	4'	6'	8'	10'
Privacy drop	3 hrs.	3.5 hrs.	4 hrs.	4.5 hrs.
Privacy drop screens	1 hr.			
Front screen	1.5 hrs.			
3-piece enclosure zippers	1 hr.			
Sprayhood boot	1.5 hrs.			
Panoramic window	1.5 hrs.			

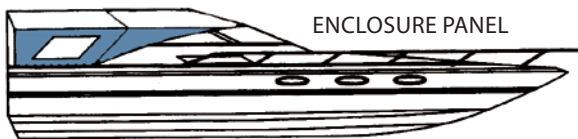
SPRAYHOOD

» AFT COVER

* An aft cover typically attaches to the aft edge of a top and angles down to close in the aft cockpit of the boat. It can be		attached with zippers or hardware to the flap of the forward top. The basic times do not include any of the options listed below.	
Length (In Feet)	7'	9'	12'
2 passes	5 hrs.	6 hrs.	7.5 hrs.
3 passes	6 hrs.	7 hrs.	8.5 hrs.
4 passes	7 hrs.	8 hrs.	9.5 hrs.
5 passes	8 hrs.	9 hrs.	10.5 hrs.
OPTIONS			
Window	1.5 hrs.		
Window cover	1 hr.		
Cutout			
Easy	0.25 hr.		
Medium	0.5 hr.		
Difficult	1 hr.		
Zipper-off wings	2 hrs.		
Reinforcing patch			
Small	0.25 hr.		
Medium	0.5 hr.		
Large	1 hr.		

» ENCLOSURE PANEL

* Most enclosures can be classified into two levels of fabrication quality. A typical economy enclosure has binding, and the edges have fabric only on the outside. The deluxe enclosure panel is		covered on the inside and outside with clear vinyl sandwiched between the borders. Times for the enclosure panel do not include any of the options listed below.	
Single Standard Panel (3- to 4-Foot Wide)		OPTIONS	
Economy	2.5 hrs.	U-zipper	
Deluxe	3 hrs.	Standard	1 hr.
Wide Panel (5- to 7-Foot Wide)		Large	1.5 hrs.
Economy	2.75 hrs.	Long Panel	
Deluxe	3.5 hrs.	Canvas lower half	0.5 hr.
Side Curtains Standard (27 by 54 Inches)		Clear lower half	1.5 hrs.
Economy	1.5 hrs.	Windshield panel	
Deluxe	3 hrs.	Canvas	1.5 hrs.
Large (48 by 84 Inches)		Clear	2.75 hrs.
Economy	1.75 hrs.	Cutout	
Deluxe	3.5 hrs.	In Canvas	0.75 hr.
		In Clear	1 hr.
		Screen Option	1 hr.
		Privacy Cover	
		Standard	0.75 hr.
		Wide	1 hr.
		Enclosure Cover	0.75 hr.



» MOORING AND TRAVEL COVER

* Mooring and travel covers cover the entire boat all the way to the rubrail. A mooring cover, however, usually is fastened with fasteners,

while a travel cover attaches via a drawstring and tie-downs. The basic times do not include any of the options listed below.

Length (In Feet)	9'	15'	18'	21'	24'	27'	30'	30'+
2 passes	6 hrs.	7 hrs.	8 hrs.	9 hrs.	10 hrs.	11 hrs.	12 hrs.	13 hrs. +
3 passes	12 hrs.	13 hrs.	14 hrs.	15 hrs.	16 hrs.	17 hrs.	18 hrs.	19 hrs. +
4 passes	14 hrs.	15 hrs.	16 hrs.	17 hrs.	18 hrs.	19 hrs.	20 hrs.	20 hrs. +

OPTIONS	
Length (In Feet)	9'
Reinforcing patch	
Small	0.25 hr.
Medium	0.5 hr.
Large	1 hr.
Cutout	
Easy	0.5 hr.
Difficult	1.5 hr.
Mooring pole assembly	0.25 hr.
Pulpit and bow rail	3 hrs.
Bow rail only	2 hrs.
Fitted panel	1.5 hrs.



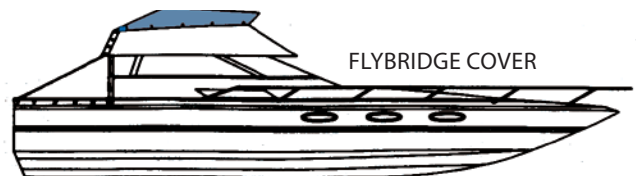
MOORING AND TRAVEL COVER

» FLYBRIDGE COVER

Length (In Feet)	6'	9'	12'	15'	18'
8' width	5 hrs.	6.5 hrs.	8 hrs.	9 hrs.	10 hrs.
10' width	6 hrs.	7.5 hrs.	9 hrs.	10.5 hrs.	12 hrs.
15' width	7.5 hrs.	9 hrs.	10.5 hrs.	12 hrs.	14 hrs.
20' width	9 hrs.	10.5 hrs.	12 hrs.	14 hrs.	16 hrs.

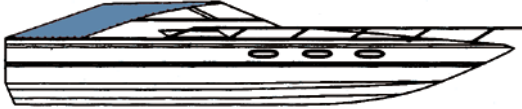
OPTIONS					
Length (In Feet)	8'	10'	12'	15'	18'
Separate fitted panels	2 hrs.	2.25 hrs.	2.5 hrs.	3 hrs.	4 hrs.

MORE OPTIONS	
Mooring pole assembly	0.25 hr.
Cutout	
Easy	0.5 hr.
Medium	1.25 hrs.
Difficult	1.75–2.5 hrs.
Reinforcing patch	
Small	0.25 hr.
Medium	0.5 hr.
Large	1 hr.

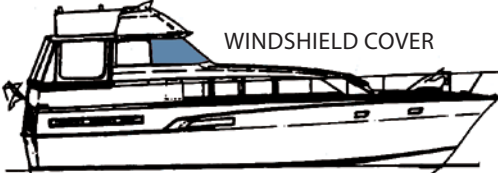


FLYBRIDGE COVER

» STANDARD COCKPIT COVER

*This product is divided into three classifications: standard cockpit covers, over-the-windshield covers and sportfishing covers. The time figures are for a basic product without any of the options listed below.						
Length (In Feet)	6'	9'	12'	15'	18'	
2 passes	5 hrs.	6.75 hrs.	7.5 hrs.	8.5 hrs.	9.5 hrs.	
3 passes	6.5 hrs.	8 hrs.	9 hrs.	10 hrs.	11 hrs.	
OVER-THE-WINDSHIELD COVER						
Length (In Feet)	6'	9'	12'	15'	18'	
2 passes	6.75 hrs.	8.75 hrs.	9.5 hrs.	10.5 hrs.	11.5 hrs.	
3 passes	9 hrs.	10 hrs.	11 hrs.	12 hrs.	13 hrs.	
SPORTFISHING COVER						
Length (In Feet)	6'	9'	12'	15'	18'	
2 passes	6.5 hrs.	7 hrs.	7.25 hrs.	8 hrs.	8.5 hrs.	
3 passes	7.5 hrs.	8 hrs.	8.25 hrs.	9 hrs.	9.5 hrs.	
4 passes	8.5 hrs.	9 hrs.	9.25 hrs.	10 hrs.	10.5 hrs.	
DETACHED WINGS (sportfish only)						
Length (In Feet)	6'	9'	12'	15'	18'	
Beam Length	-	4 hrs.	4.5 hrs.	5.5 hrs.	6.5 hrs.	
OPTIONS						
Cutout	1 hr.	 <p>STANDARD COCKPIT COVER</p>				
Mooring pole	0.15 hr.					
Reinforcing patch						
Easy	0.25 hr.					
Medium	0.5 hr.					
Difficult	1.5 hr.					
Reinforcing patch						
Small	0.18 hr.					
Medium	0.33 hr.					
Large	0.5 hr.					

» WINDSHIELD COVER

*The time figures are for a basic cover with none of the options listed below.						
Length (In Feet)	2'	4'	6'	9'	12'	15'
1 pass	1.75 hrs.	2 hrs.	2.75 hrs.	3.5 hrs.	4.25 hrs.	4.5 hrs.
2 passes	3.25 hrs.	3.5 hrs.	4 hrs.	4.75 hrs.	5.5 hrs.	5.75 hrs.
OPTIONS						
Length (In Feet)	2'	4'	6'	9'	12'	15'
Curved Window	0.16 hr.	0.33 hr.	0.3 hr.	0.66 hr.	0.83 hr.	1 hr.
Cutout		 <p>WINDSHIELD COVER</p>				
Easy	0.25 hr.					
Medium	0.5 hr.					
Difficult	1 hr.					

CONSOLE COVER

*The standard console cover times shown below do not include any of the options listed. The sizes have been standardized to simplify the product category.

L x W x H (Feet)	HRS.
Small - 3' x 3' x 3.5'	3 hrs.
Medium - 5' x 5' x 5'	4 hrs.
Large - 6' x 6' x 6'	5.5 hrs.
Extra large > 6' x 6' x 6'	7+ hrs.
OPTIONS	
Zipper release	1 hr.
Cutout	
Easy	0.25 hr.
Medium	0.75 hr.
Difficult	1.5 hrs.
Lined	
Easy	0.5 hr.
Medium	0.75 hr.
Difficult	1 hr.

CHAIR COVER

Chair cover with drawstring	2.25 hrs.
Chair cover with fitted zipper	2.75 hrs.
Double-wide chair with drawstring	2.75 hrs.
Double-wide chair with fitted zipper	3.0 hrs.
Back-to-back	3.5 hrs.
Fighting chair with footrest	3.75 hrs.
OPTIONS	
If pattern exists	-0.75 hrs.

HATCH COVER

L" X W" (Inches)	HRS.
Small - 18" X 18"	0.75 hr.
Medium - 24" X 24"	1 hr.
OPTIONS	
Install snaps	0.5 hr.

FENDER COVER

Small	0.75 hr.
Medium	1 hr.
Large	1.25 hrs.
Extra large	1.75 hrs.
OPTIONS	
Fitted ends with zipper	1 hr.

MOTOR COVER

Small	1-50 Hp.	1.5 hrs.
Medium	50-100 Hp.	2 hrs.
Large	100 Hp. +	2.5 hrs.
OPTIONS		
If pattern exists		-0.75 hr.
Lined		0.5 hrs.

INSTRUMENT COVER

All-canvas	
Small	0.5 hr.
Medium	0.75 hr.
Large	1 hr.
Canvas with clear vinyl	
Small	0.75 hr.
Medium	1 hr.
Large	1.25 hrs.

COMPANIONWAY COVER

Small	1.75 hrs.
Medium	2 hrs.
Large	3 hrs.
Extra large	3.5+ hrs.

WINCH COVER

Small	0.75 hr.
Medium	1 hr.
Large	1.25 hrs.
Extra large	1.5+ hrs.

PEDESTAL COVER

Small	0.75 hr.
Medium	1 hr.
Large	1.25 hrs.
Extra large	1.5+ hrs.

MAST BOOT

This is an aesthetic boot only; it is not the actual sealing boot.

Small	1.25 hrs.
Medium	1.5 hrs.
Large	2 hrs.

JIB BAG

Small	1.5 hrs.
Medium	2.5 hrs.
Large	3.5 hrs.
Extra large	4.0+ hrs.

WEATHER CURTAINS

Life-line panels	0.25 hr. per ft.
Lace or snap-on	0.5 hr. per ft.
Pocket and bar	1 hr. per ft.

Note: Add time for horizontal curves.

» SAIL COVER

*This sail cover is fastened in the front by a zipper and has fasteners along its lower border. The material may be cut out of a width of fabric (which is flipped over for the other half of the sail cover).

Headboard reinforcing is included in the times. The basic times do not include the options listed below.

Length (In Feet)	6'	9'	12'	15'	18'	24'	24'+
	4 hrs.	4.5 hrs.	5 hrs.	5.25 hrs.	5.5 hrs.	5.75 hrs.	6–8 hrs.

OPTIONS			
Cutout	0.75 hr.	Reinforcing patch	
Vang skirt	1–2.5 hrs.	Small	0.25 hr.
Closed end on boom	0.5 hr.	Medium	0.5 hr.
Winch boot	0.75 hr.	Large	1 hr.

» CUSHIONS

PLAIN BOXED				
2'x2' Standard	2'x4' Medium	2'x6' Large	4'x6' XLarge	5'x7' XXLarge
1.5 hrs.	1.5 hrs.	2 hrs.	3 hrs.	4 hrs.
KNEE RISE				
2'x2' Standard	2'x4' Medium	2'x6' Large	4'x6' XLarge	5'x7' XXLarge
2.5 hrs.	3 hrs.	3.5 hrs.	4 hrs.	5 hrs.
SEGMENTED TOP				
2'x2' Standard	2'x4' Medium	2'x6' Large	4'x6' XLarge	5'x7' XXLarge
3.5 hrs.	4 hrs.	4.5 hrs.	5 hrs.	6 hrs.
ROLLED FRONT				
2'x2' Standard	2'x4' Medium	2'x6' Large	4'x6' XLarge	5'x7' XXLarge
2 hrs.	2.5 hrs.	3 hrs.	3.5 hrs.	4.5 hrs.

OPTIONS
Add .5- to 1 hour per cushion for welt
Add .25- to .5-hour for piping small to large cushions
Add 25% to labor times for fabrics that require a pattern match
Add patterning time
Add .25-hour for normal-style cutouts
Add .5-hour for each beveled side
Add .5- to 1 hour if cutting new foam
Add extra time for difficult graphics

» V-BERTH CUSHIONS

5 to 7 feet long	2.5 hrs.
OPTIONS	
Add .5-hour for welting	
Add .5-hour for beveled sides	

COCKPIT BUMPERS

Recover Existing	.5-hour per foot
New (including wood or plastic)	.5-hour per foot

Note: Add 2.5 hours for each new radius cornerboard.

UPHOLSTERED PANELS

Recover Existing	.25-hour per square foot
New	.5-hour per square foot

Note: Add extra time for difficult graphics, installation or shapes.

UPHOLSTERED ENGINE BOX

Recover Existing	4–6 hrs.
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Note: Add extra time for difficult graphics.

SEATING

UPHOLSTERED HELM CHAIR

Recover	4 hrs.
All New	5.5 hrs.

BACK-TO-BACK SEAT

Recover	8.25 hrs.
All New	11–13 hrs.

CORNER LOUNGE

Recover	8 hrs.
All New	11 hrs.

BUCKET-STYLE SEAT

Recover	4–5 hrs.
All New	6–7 hrs.

LOUNGE BENCH SEAT

Recover	7.5 hrs.
All New	10.5 hrs.

Note: Add extra time for graphics.

Note: "All New" does not include difficult frame-building.

HEADLINER

One hour per linear yard of fabric (minimum: 4 hours).

Note: Add for unusual or difficult preparations and trim.

HULL LINER

One hour per linear yard of fabric (minimum: 4 hours).

Note: Add for unusual or difficult preparations and trim.

CARPET RUNNERS

One hour per linear yard of fabric.

Note: Add time for steps and hatches.

FURNITURE SLIPCOVERS

Barrel chair	4–6 hrs.
L-shaped couch	10–16 hrs.

FURNITURE REUPHOLSTERY

Barrel chair	8–12 hrs.
Simple barstool seat	1 hr.
Couch	16–20 hrs.
L-shaped couch	30–40 hrs.

CORNICES

Recover	.25-hour per foot
New	.50-hour per foot

Note: Add for pattern-matching and difficult shapes.

Note: Add for pleated and chirred faces.

DRAPERIES

Flat using tapes	.50-hour per foot of width
Pleated top	.75-hour per foot of width
Pleated top and bottom	1 hour per foot of width
Angle-pleated panel top	4 hrs.
Angle-pleated panel top and bottom	6 hrs.

Note: Add extra time for curved panels, cutouts and accent trims.

BEDDING ACCESORIES

	Twin	Queen or V-Berth
Throw-style spread	2.5	4
Fitted spread	3	5
Pillow sham	1.5	1.5
Fitted sheets set	2	4
Altered mattress pad	2	2.5

Note: Add time for difficult shapes, cutouts and inside corners.

Note: Deduct .75-hour from spread times if panels are already matched and sewn.

Note: Add extra time for fancy or detailed trimmings.