

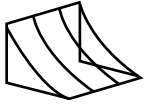
Reference: Need More Information?

Use our index to find additional details on brands, product types, warranties, and more. It also includes mockups of the most common awning and marine styles as well as technical guides for calculations and measurements if needed. Once again, thank you so much for partnering with Trivantage® and using our catalog.

Standard Awning and Marine Styles	349
Calculations and Measurements	350
Index	353
Terms of Sale	361
Notes	363

Standard Awning Frame Styles

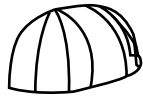
(Courtesy of Professional Awning Manufacturers Association (PAMA), a division of the Industrial Fabrics Association International)



Concave



Dome



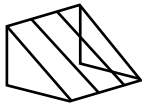
Elongated Dome



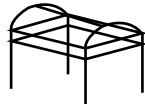
Lateral Arm/
Retractable



Quarter Round/Convex



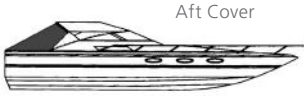
Traditional



Rounded Entrance Canopy

Standard Marine Frame Styles

(Courtesy of The Marine Fabricators Association)



Aft Cover



Aft Cover



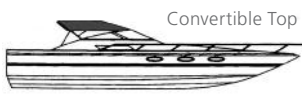
Bimini Top



Dodgers



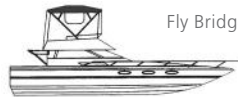
Cockpit Cover



Convertible Top



Enclosure Panel



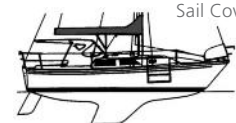
Fly Bridge Bimini



Fly Bridge Cover



Mooring Cover



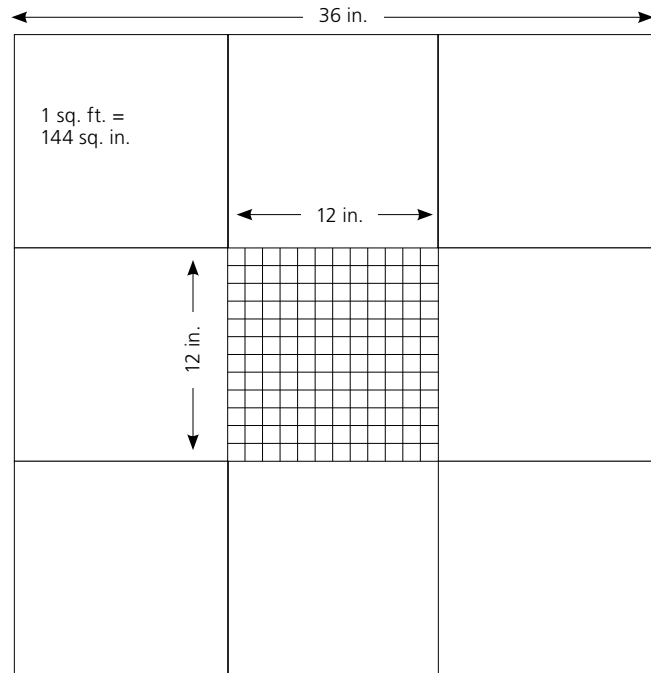
Sail Cover



Windshield Cover

Conversion Chart

A Fabric Width in In.	B Contains this Many Sq. Ft.	C Contains this Many Sq. Yds.
31	7.75	0.86
36	9.00	1.00
40	10.00	1.11
46	11.50	1.28
47	11.75	1.31
48	12.00	1.33
54	13.50	1.50
60	15.00	1.67
61	15.25	1.69
62	15.50	1.72
69	17.25	1.92
72	18.00	2.00
76	19.00	2.11
78	19.50	2.17
80	20.00	2.22
84	21.00	2.33
96	24.00	2.67
98	25.5	2.72
105	26.25	2.92
108	27.00	3.00
118	29.5	3.28
120	30	3.33
126	31.5	3.50
144	36	4.00
150	37.5	4.17
157	39.25	4.36



Handy Tips to Know

- 1 sq. yd. = 9 sq. ft.
- 1 sq. yd. = 1296 sq. in.

To compute the cost per sq. ft. or sq. yd., simply take the price of the goods per linear yd. and divide it by the factor in column B or C.

Handy Tips to Know

- There are 144 sq. in. per sq. ft.
- There are 9 sq. ft. per sq. yd.
- There are 1296 sq. in. per sq. yd.

Common Cloth Calculations

To Find Pro Rata Price

(Knowing the price per yd. of a given width of cloth, what would be the pro rata price of the same cloth woven in another width?)

Example: If 46 in. cloth is priced at \$7.00 per yd., what would the pro rata price be in the same cloth woven 60 in. wide?

Formula:

$$\frac{\text{Known Width}}{\text{Known Price}} = \frac{\text{Desired Width}}{\text{Desired Price}}$$

Or $\frac{46}{\$7.00} = \frac{60}{x} : \frac{60 \times \$7.00}{46} = x : \frac{420}{46} = x = \9.13

To Find Pro Rata Wt. Expressed in Oz. per Linear Yd.

(Knowing the width and oz. per linear yd. of a given cloth, what would be the wt. of the same cloth woven in another width?)

Example: What is the pro rata wt. of 36 in. 12 oz. S.F. Duck woven 44 in. wide?

Formula: $\frac{\text{Known Width}}{\text{Known Price}} = \frac{\text{Desired Width}}{\text{Desired Price}}$

Or $\frac{36}{12} = \frac{44}{x} : \frac{12 \times 44}{36} = x : \frac{528}{36} = x = \14.67

Or

To Find Pro Rata Wt. Expressed in Yds. per Lb.

(Knowing the width and linear yds. per lb. of a given cloth, what would be the wt. of the same cloth woven in another width?)

Example: What is the pro rata wt. of 36 in. 6.15 yd. sheeting woven 45 in. wide?

Formula:

$$\frac{36 \times 6.15}{45} = x : \frac{221.4}{45} = x = 4.92 \text{ yd.}$$

Or

To Find the Oz. Wt. per Linear Yd. of Number Ducks

(Knowing the number designation of a wide duck, what does it weigh in oz.?)

Example: What is the linear yd. oz. wt. of 22 in. No. 4 Duck?

Formula: 19 less the number of the Duck equals its oz. wt. in 22 in. width or: $19 - 4 = 15 \text{ oz.}$

The rule-of-thumb formula holds true for all numbers of Duck, 1 through 12 inclusive. To figure 22 in. oz. wt. for Number Ducks, to 19 add one less than number.

Example: 22 in. No. 7/0 wts. 25 oz. or 19 plus 6.

Having established the 22 in. oz. wt. of a number Duck, the linear yd. wt. of any other width can be determined by a pro rata calculation.

Conversion of Yds. per Lb. to Oz. per Yd.

(Knowing the wt. of a given cloth in yd. per lb., what is the wt. expressed in oz. per yd.?)

Example: What is the wt. of oz. per yd. of 37 in. 2.75 yd. drill?

Formula: $\frac{16 \text{ oz. (1 lb.)}}{\text{yds. per lb.}} = \text{oz. per yd.}$

Or $\frac{16}{2.75} = 5.818 \text{ oz.}$

Conversion of Oz. per Yd. to Yds. per Lb.

(Knowing the wt. of a given cloth in oz. per yd., what is the wt. expressed in yds. per lb.?)

Example: What is the wt. in yds. per lb. of 36 in. 10 oz. S.F.?

Formula:

$$\frac{16}{10} = 1.6 \text{ yd. per lb.}$$

Or

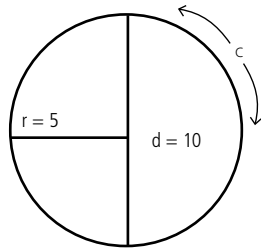
(From "Swirls on Basic Fabrics" copyright 1957)

Mathematical Aids

To determine the cost of covering any flat surface, first compute its area in square measure. You can compute the area of almost any shape by using the following formulas. For odd shaped areas, it may be necessary to combine several of these formulas.

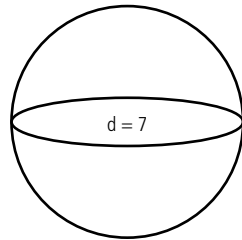
A = Area
SA = Surface Area
C = Circumference

CIRCLE
 $A = \pi r^2$
 $A = 3.1416 \times 5 \times 5$
 $A = 78.54$

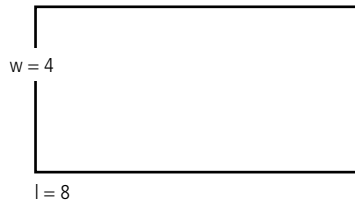


Note:
 $d = 2r$
 $c = \pi d$
 $c = 3.1416 \times 10$
 $c = 31.416$

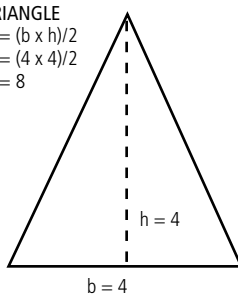
SPHERE
 $SA = \pi d^2$
 $SA = 3.1416 \times 7 \times 7$
 $SA = 153.94$



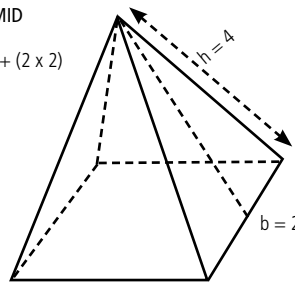
RECTANGLE
 $A = l \times w$
 $A = 8 \times 4$
 $A = 32$



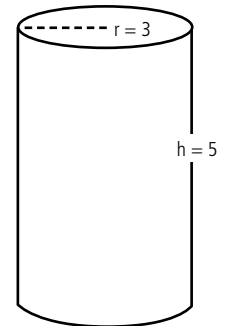
TRIANGLE
 $A = (b \times h)/2$
 $A = (4 \times 4)/2$
 $A = 8$



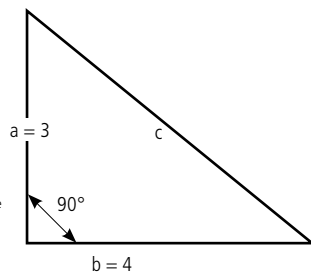
4-SIDED PYRAMID
 $SA = 2bh + b^2$
 $SA = (2 \times 2 \times 4) + (2 \times 2)$
 $SA = 20$



CYLINDER
 $SA = 2\pi r^2 + 2\pi rh$
 $SA = (2 \times 3.1416 \times 3 \times 3) + (2 \times 3.1416 \times 3 \times 5)$
 $SA = 56.55 + 94.25$
 $SA = 150.8$



PYTHAGOREAN THEOREM
 $c^2 = a^2 + b^2$
 $c^2 = (3 \times 3) + (4 \times 4)$
 $c^2 = 25$
 $c = 5$



In a right triangle, the square of the hypotenuse (the longest side) is equal to the sum of the squares of the other two sides.

Linear Measure

English	Metric
12 in. = 1 ft.	10 mm = 1 cm
3 ft. = 1 yd.	100 cm = 1 m
36 in. = 1 yd.	1000 mm = 1 m

English/Metric Equivalents

English	Metric
1 in. = 25.4 mm	1 mm = .0397 in.
1 in. = 2.54 cm	1 cm = .3937 in.
1 in. = .0254 m	1 m = 39.37 in.
1 yd. = .9144 m	1 m = 1.0936 yd.

Square Measure

English	Metric
144 sq. in. = 1 sq. ft.	100 sq. mm = 1 sq. cm
9 sq. ft. = 1 sq. yd.	10,000 sq. cm = 1 sq. m
1296 sq. in. = 1 sq. yd.	1,000,000 sq. mm = 1 sq. m

English/Metric Equivalents

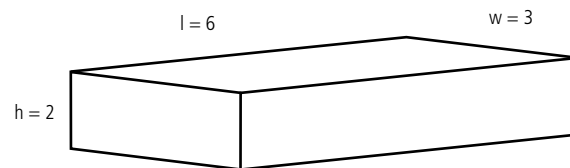
1 sq. yd. = .836 sq. m	1 sq. m = 1.196 sq. yd.
1 sq. in. = .0006451 sq. m	1 sq. m = 1550 sq. in.

Decimal Equivalents

1/16 = .0625	9/16 = .5625
1/8 = .1250	5/8 = .6250
3/16 = .1875	11/16 = .6875
1/4 = .2500	3/4 = .7500
5/16 = .3125	13/16 = .8125
3/8 = .3750	7/8 = .8750
7/16 = .4375	15/16 = .9375
1/2 = .5000	

RECTANGULAR PRISM

$SA = 2(lw + hl + hw)$
 $SA = 2 \times [(6 \times 3) + (2 \times 6) + (2 \times 3)]$
 $SA = 72$



Numerical

210® Plastic Cleaner And Polish 175
 210® Plus Plastic Scratch Remover..... 175
 300 Series Vinyl Marine Binding307
 303® Aerospace Protectant™ 175
 303® Clear Vinyl Protective Cleaner 176
 303® Multi-Surface Cleaner™ 176

A

ACW Cam Buckles..... 214
 ACW Side Release Buckles..... 214
 Anchor – Pool Cover..... 259
 Aqualon® Edge 55
 Aqualon® Edge Marine Binding..... 305
 Aqualon® Edge Soft..... 56
 Aqualon® Edge Soft..... 121
 Aqualon® Edge Warranty 121
 Architec 400®..... 103
 Architec 400® Warranty..... 121
 Aura Retreat 47
 Aura Warranty 122
 Awl – Automatic..... 279
 Awl – Heavy-Duty Scratch No. 4 279
 Awning Composer®..... 23
 Awning Hardware – Bracket Hinge 191
 Awning Hardware – Camelback Hinge – Zinc Die Cast..... 191
 Awning Hardware – Elbow 187
 Awning Hardware – Extra Projection Hinge 191
 Awning Hardware – Eye End – Malleable Iron 188
 Awning Hardware – Head Rod Clamp – Narrow Base Type – Zinc Die Cast..... 189
 Awning Hardware – Head Rod Clamp – Roller Curtain Type – Malleable Iron 189
 Awning Hardware – Hinge – Stamped Steel 191
 Awning Hardware – Jaw End With Lag Screw 192
 Awning Hardware – Pin Or Nut End 187
 Awning Hardware – Pipe Clamp – Wrought Steel..... 190
 Awning Hardware – Rod And Rafter Holder No. 4 189
 Awning Hardware – Round Head Machine Screw 192
 Awning Hardware – Slip Tee 191
 Awning Hardware – Slip-Fit Adjustable Front Bar 188
 Awning Hardware – Slip-Fit Adjustable Post Socket – For Brick – Malleable Iron ... 190
 Awning Hardware – Slip-Fit Adjustable Post Socket – For Wood – Malleable Iron . 190
 Awning Hardware – Slip-Fit Eye End – Malleable Iron..... 187
 Awning Hardware – Slip-Fit Square Elbow – Malleable Iron 187
 Awning Hardware – Slip-Fit Tee – Malleable Iron 190
 Awning Hardware – Slip-Fit Tie Down Clamp – Steel..... 189
 Awning Hardware – Spear Head 190
 Awning Hardware – Head Rod Clamp – Zinc Die Cast 189
 AwnTex® 160..... 77
 AwnTex® 70..... 77
 AwnTex® 70 and 160 Warranty 122

B

Barricade™..... 109

BellBloc® 100 Fabric Liner 48
 BellBloc® 68 Fabric Liner 48
 Bendarc Quick-Switch Bender 293
 BetterVue™ 115
 Bimini Bow Frames..... 234
 Boat Top Fittings – Aluminum – Pontoon Deck Hinge..... 233
 Boat Top Fittings – Aluminum – Pontoon H Bracket 234
 Boat Top Fittings – Aluminum – Pontoon Jaw Slide 234
 Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Angle Hinge 235
 Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Boat Cover Socket 236
 Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Coaming Side Plate..... 235
 Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Deck Mounting Hinge 236
 Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Eye Strap 235
 Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Jaw Slide 236
 Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Slip-Fit Eye End 235
 Boat Top Fittings – Nickel-Plated Brass – Adjuster Buckle 236
 Boat Top Fittings – Nickel-Plated Brass – Eye Strap 237
 Boat Top Fittings – Nickel-Plated Brass – Solid Eye Snap Hook 237
 Boat Top Fittings – Nylon – Bimini Top Ladder Clip..... 237
 Boat Top Fittings – Nylon – Bow Socket 239
 Boat Top Fittings – Nylon – Curved Shim..... 238
 Boat Top Fittings – Nylon – Double Wing Windshield Latch..... 239
 Boat Top Fittings – Nylon – Eye End 238
 Boat Top Fittings – Nylon – Eye Strap 238
 Boat Top Fittings – Nylon – Hinge 238
 Boat Top Fittings – Nylon – Jaw Slide 239
 Boat Top Fittings – Nylon – Lashing Hook 239
 Boat Top Fittings – Nylon – Mounting Plate..... 240
 Boat Top Fittings – Nylon – Rigid Support Clip 237
 Boat Top Fittings – Nylon – Side Curtain Spacer 239
 Boat Top Fittings – Nylon – Vadney Clip..... 237
 Boat Top Fittings – Nylon – Wedge 238
 Boat Top Fittings – Rubber Gasket 240
 Boat Top Fittings – Stainless Steel – Bolster Clip 252
 Boat Top Fittings – Stainless Steel – Push Button..... 251
 Boat Top Fittings – Stainless Steel Type 303 – Pull Pin 243
 Boat Top Fittings – Stainless Steel Type 304 – Adjuster Buckle 243
 Boat Top Fittings – Stainless Steel Type 304 – Dee Ring..... 243
 Boat Top Fittings – Stainless Steel Type 304 – Hinge/Set Screw 244
 Boat Top Fittings – Stainless Steel Type 304 – Lift Ring..... 244
 Boat Top Fittings – Stainless Steel Type 304 – Quick Release Pin 244
 Boat Top Fittings – Stainless Steel Type 304 – Snap Hook..... 244
 Boat Top Fittings – Stainless Steel Type 316 – Adjuster Buckle..... 250
 Boat Top Fittings – Stainless Steel Type 316 – Angle Hinge..... 246
 Boat Top Fittings – Stainless Steel Type 316 – Ball Eye End 245
 Boat Top Fittings – Stainless Steel Type 316 – Coaming Pad Hook and Eye Set 252
 Boat Top Fittings – Stainless Steel Type 316 – Concave Hinge..... 247
 Boat Top Fittings – Stainless Steel Type 316 – Counter Bore Eye End 245
 Boat Top Fittings – Stainless Steel Type 316 – Deck Hinge 247
 Boat Top Fittings – Stainless Steel Type 316 – Elbow Eye End..... 251
 Boat Top Fittings – Stainless Steel Type 316 – Eye End 245
 Boat Top Fittings – Stainless Steel Type 316 – Eye Strap..... 246
 Boat Top Fittings – Stainless Steel Type 316 – Grab Handles 246
 Boat Top Fittings – Stainless Steel Type 316 – Heavy-Duty Jaw Slide..... 250
 Boat Top Fittings – Stainless Steel Type 316 – Hinge/Set Screw 246
 Boat Top Fittings – Stainless Steel Type 316 – Hinged Jaw Slide..... 249

Boat Top Fittings – Stainless Steel Type 316 – Hinged Tee251
 Boat Top Fittings – Stainless Steel Type 316 – Humpback Eye End245
 Boat Top Fittings – Stainless Steel Type 316 – Humpback Jaw Slide249
 Boat Top Fittings – Stainless Steel Type 316 – Jaw Slide.....249
 Boat Top Fittings – Stainless Steel Type 316 – Jaw Slide For Pop Rivet.....250
 Boat Top Fittings – Stainless Steel Type 316 – Lashing Hook.....248
 Boat Top Fittings – Stainless Steel Type 316 – Locking Rail Hinge248
 Boat Top Fittings – Stainless Steel Type 316 – Post248
 Boat Top Fittings – Stainless Steel Type 316 – Pull Pin.....250
 Boat Top Fittings – Stainless Steel Type 316 – Push Button250
 Boat Top Fittings – Stainless Steel Type 316 – Rail249
 Boat Top Fittings – Stainless Steel Type 316 – Side Deck Plate Hinge248
 Boat Top Fittings – Stainless Steel Type 316 – Side Mount.....248
 Boat Top Fittings – Stainless Steel Type 316 – Side Mount Hinge.....248
 Boat Top Fittings – Stainless Steel Type 316 – Side Mount with Concave Base.....251
 Boat Top Fittings – Stainless Steel Type 316 – Slip Tee251
 Boat Top Fittings – Stainless Steel Type 316 – Snap Hook251
 Boat Top Fittings – Stainless Steel Type 316 – Socket.....247
 Boat Top Fittings – Stainless Steel Type 316 – Socket Jaw Slide.....250
 Boat Vent 3255
 Boat Vent Circle Cutter256
 Boat Vent II.....255
 Boat Vents.....256
 Bobbins – A&E Poly Nu Bond Polyester325
 Bobbins – A&E SunStop®325
 Bobbins – Coats Dabond® Belbobs®.....324
 Bobbins – Coats Polymatic® Belbobs® Bonded Monocord Dacron®323
 Bobbins – Coats Ultra Dee® Polyester.....323
 Bobbins – PremoBond Bonded Anti-Wick Polyester.....324
 Bow Slats – Fiberglass.....235
 Bracket – L.....197
 Bracket – Z.....196
 Braid – Nylon/Polyester Elastic331
 Buckles – “Push-Button”211
 Buckles – For Nylon Or Polyester Webbing.....211
 Buckles – Single Bar211
 Buckles – Tongueless212
 Bullion Fringe – Blended Polyester.....298

C

CAF-COMPO Screw-Studs232
 California Oxford Cloth.....76
 Canton Flannel Natural – Untreated115
 Canvex®.....70
 Carbiepoles® Shade Buckles.....241
 Carbiepole™ Shade Poles241
 Causeway®65
 Causeway® – Foam Back.....66
 Causeway® – Hidem Gimp310
 Causeway® – Roll-N-Pleat66
 Causeway® – Welt312
 Chair Duck.....114
 Cleat – Awning196
 Clip And Dee212
 Commercial DualShade® 350106

Commercial DualShade® 350 Warranty.....122
 Commercial DualShade® 350 FR106
 Commercial DualShade® 350 FR Warranty123
 Commercial Heavy 430.....108
 Commercial Heavy 430 Warranty.....124
 Commercial Heavy 430 FR108
 Commercial Heavy 430 FR Warranty125
 Commercial NinetyFive 340107
 Commercial NinetyFive 340 Warranty126
 Commercial NinetyFive 340 FR.....107
 Commercial NinetyFive 340 FR Warranty126
 Comshade® Xtra105
 Comshade® Xtra Warranty.....127
 Comtex®+.....104
 Comtex®+ Warranty128
 Cooley-Brite®.....19
 Cooley-Brite® Warranty129
 Cooley-Brite® II with Coolthane® EPS.....20
 Cooley-Brite® II Warranty.....129
 Cooley-Brite® Lite20
 Cooley-Brite® Lite Warranty.....129
 Cord – Cone Spring Hooks.....345
 Cord – Corsair Diamond Braid Polyester.....339
 Cord – Cotton Lacing.....339
 Cord – Crown Cotton339
 Cord – Diamond Braided MFP341
 Cord – Diamond Braided Nylon.....339
 Cord – Diamond Braided Nylon Utility.....341
 Cord – Drawtite Cotton341
 Cord – Hog Ring Pliers346
 Cord – Hollow Braided Polypropylene341
 Cord – Loop And End Clamps346
 Cord – MFP Solid Braided Polypropylene.....342
 Cord – Neobraid® Polyester342
 Cord – Neoline® Polyester.....343
 Cord – Nylon Shock344
 Cord – Premium Sash.....339
 Cord – Single Cover Elastic.....345
 Cord – Solid Braided Nylon343
 Cord – Solid Braided Polyester343
 Cord – Synthetic Shock345
 Coverlight® CSM Coated Nylon.....110
 Coverlight® Neoprene® Coated Nylon.....110
 Covershade™ Agricultural Mesh117
 Covershade™ Agricultural Mesh Warranty.....130
 Crownarc Crown Bender294
 CrystalClear.....73
 Curtain Loop – Shower/Bath.....196
 Cutter – Side Cutter.....289
 Cutter – Special Cutter289
 Cutting Pad293

D

Dacron® Sailcloth and Cover Cloth.....62
 Dacron® Tape62

REFERENCE INDEX

Dee Ring – Nickel Plated	213
Dee Ring – Zinc Die-Cast	213
Dee Ring – Zinc Plated	213
Dickson® North American Collection Jacquards	11
Dickson® North American Collection Solids	9
Dickson® North American Collection Solids	53
Dickson® North American Collection Stripes	10
Dickson® North American Collection Warranty	131
Dock Seal	110
DOT® Baby Durable™	217
DOT® Common Sense® / Curtain Fasteners	218
DOT® Die Set Hand Tools	290
DOT® Durable™	221
DOT® Durable™ Blind Rivet Stud	219
DOT® Durable™ Enamel	220
DOT® Durable™ Mariner™	221
DOT® Durable™ Stainless	226
DOT® Gripper®	230
DOT® Lift-The-Dot®	228
DOT® Pull-The-Dot®	230
DOT® Semi-Automatic Electric Foot Press 89-M200	281
DOT® Snapmaster™ M840	279
Double-Filled Pre-Shrunk Bleached Cotton Duck	114
DrillSteady Drill For Stainless Tubing	279
Duveltyne	117

E

Emseal UST Awning/Sign Sealant Tape	198
Energy Shield™	111
Engel Hot Knife	285
EPDM Tie-Down Rope Black	262
Eradicating Fluid	21
E-Z Lace Supreme®	211

F

Fabric Fastener Kit	281
Fasnap® Fasteners	227
Fasnap® PM5 Grommet Machine	283
Fasnap® Rib Tree Bolster Fasteners	226
Fastex® Barreloc	215
Fastex® Cam Buckle	215
Fastex® D-Ring	215
Fastex® Ellipse Cordloc	215
Fastex® Ladderloc™	214
Fastex® Looploc	215
Fastex® Shock Cord Hook	216
Fastex® Side Release Buckle	214
Fastex® Triglide™ 3 Bar Slide	216
Firesist®	11
Firesist® Warranty	131
Flag – Nylon	109
Flex Support – Rubber	242
Fluorescent Eggcrate Louvers	196
Footman Loop	212

FR Comshade®	105
FR Comshade® Warranty	131
Fyrguard™ Fire and Water-Resistant Cotton Duck	111

G

Gatorshield® – Galvanized Finish Steel Tubing	204
General Care and Cleaning	120
GlassClear® Double-Polished Vinyl Rolls	72
GlassClear® Extruded Vinyl	72
Goldline® EPDM Tie-Down And Tarp Strap	261
Grommet Kit – Home	291
Grommets – DOT® Rolled Rim with Spur Washer	207
Grommets – DOT® Self-Piercing Rolled Rim with Spur Washer	208
Grommets – DOT® Self-Piercing with Plain Washer	207
Grommets - DOT® Sheet Metal	208
Grommets – DOT® Special Brass And Washers	209
Grommets – DOT® with Plain Washer	206
Grommets – DOT® with Plain Washer (Washer Only)	206
Grommets – DOT® with Tooth Washer	206
Grommets – Self-Piercing Rolled Rim with Spur Washer	210
Grommets – Self-Piercing with Plain Washer	210
Grommets – Sharpened Edge with Small Tooth Locking Channel Washer	210

H

Hammer – Magnetic Tack	292
Hammer – Rawhide Replacement Heads	292
Hammer – Rawhide With Split Head – No. 395	292
Hand Press No. M-380E	281
Hand Roller	294
Hand Tools For DOT® Common Sense® Fasteners	280
Hand Tools For DOT® Durable™ Fasteners	280
Hand Tools For DOT® Lift-The-Dot® Fasteners	280
HANGTYTE Boat Cover System	257
HAR Adhesive – 628 For Bonding Neoprene Coated Fabrics	171
HAR Adhesive – 728 For Bonding Vinyl To Vinyl	171
HAR Adhesive – 729 Vinyl Seam Sealer	172
HAR Adhesive – 730 For Bonding Vinyl-Laminated Fabrics	172
HAR Adhesive – 740 For Cotton Ducks	172
HarborTime® Edge	56
HarborTime® Edge Warranty	132
Headrod – Electro-Galvanized	197
Headrod – Fiberglass	197
Herculite Natura®	15
Herculite Natura® Warranty	132
Herculite® No. 80M	112
Herculite® No. 90	112
Herculite® Translucent – Flame Retardant	112
HH-66 Thinner	171
HH-66 Vinyl Cement	171
Hidem Gimp	311
High Temperature Cloth	117
Hook – Roller	196
Hook – Tarp Binding	259
Hook – Tarp Strap “S”	261

Hydrofend® 54
 Hydrofend® Warranty 133
 Hydrofend® Marine Binding 305

I

IMAR™ #301 Strataglass™ Protective Cleaner 176
 IMAR™ #302 Strataglass™ Protective Polish 178
 IMAR™ #603 Stamoid® Marine Vinyl Cleaner 177
 Imperial Vinyl Marine Binding 307
 IOSSO® E-Z Snap Lubricant 178
 IOSSO® Mold And Mildew Stain Remover 177

K

Keder – Marine 253
 Keder – Tent 253
 Kentucky Pack Cloth 76

L

Lam-A-Lite™ Style C10641 113
 Lam-A-Lite™ Style C13604 112
 Leather Pearl Splits 259
 Line – Cotton Awning 340
 Line – Ultra Awning 340
 Line – Ultra Mason 340

M

M-380E and M200 – Dies For DOT® Durable Fasteners 282
 M-380E and M200 – Dies for DOT® Pull-The-Dot® Fasteners 282
 M380E and M200 – DOT® Grommet Die Set 281
 Main Street® + 18
 Main Street® + Warranty 133
 Mallet/Maul – Rawhide 292
 Michigan Cloth - Cordura® 76
 Midwest Cotton Number Duck 114
 Molding – Aluminum Awning 197
 Molding – Head Rod Molding No. 35/37 199
 Montana Cloth 76
 Mooring Pole – Aluminum “Thumb Screw” 242
 Mooring Pole – Aluminum Extension 242
 Multi-Duty Hand Press No. W-1 283
 Multi-Duty Hand Press No. W-1 – Dies 283

N

Nassimi Seaquest Foam Back Vinyl Upholstery 67
 Nassimi Seaquest Hidem Gimp 310
 Nassimi Seaquest Roll-N-Pleat Vinyl Upholstery 67
 Nassimi Seaquest Vinyl Upholstery 67
 Nassimi Seaquest Welt 313
 Nautolex® Capitano™ Channeling 69
 Nautolex® Capitano™ Foam Back 68

Nautolex® Capitano™ Hidem Gimp 311
 Nautolex® Capitano™ Marine Vinyl Upholstery 68
 Nautolex® Marine Flooring 70
 Nautolex® Marine Flooring Warranty 133
 Nautolex® SofDura® 69
 Nautolex® Underlining 70
 Nautolex® Voyager 69
 Nautolex® Capitano™ Marine Vinyl Upholstery, SofDura® and Voyager Warranty 133
 Nautolex® Voyager Channeling 69
 Needle – Sail 257
 Nico-Fab® Tarp Fabric 113
 No-See-Um Netting 116
 Nylon Pole Fittings 243
 Nylon Pole Pads 243

O

O Ring 260
 Oregon Oxford Cloth 76
 O’Sea® Coated Press-Polished Sheets 73
 O’Sullivan® Films (O’Sea®, Regalite®, Regalite® Fenestra) Warranty 134

P

PanoramaFR Uncoated Press-Polished Sheets 71
 Patio 500® 14
 Pen – Fabric Marking 258
 Pencil – Fabric Marking 258
 Phifer® Polyester Mesh Screen Cloth 116
 Phifer® TuffScreen® 116
 Phifertex® 78
 Phifertex® Cane Wicker Collection 43
 Phifertex® General Purpose 111
 Phifertex® Jacquards 44
 Phifertex® Olefin/PVC Blends 45
 Phifertex® Plus 40
 Phifertex® Plus 78
 Phifertex® Recreational Mesh 111
 Phifertex® Resort Collection 42
 Phifertex® Stripes 41
 Phifertex® Stripes 79
 Pins – T 259
 Pins – Upholstery 259
 Pliers – Fabric Pulling Pliers No. 250 285
 Polyester Awning Braid 300
 Polyester Filter Fabric 117
 Polyester Utility Mesh 111
 Polyfab™ Pro Shade Sail Hardware 184
 Polyfab™ Shade Sail Edge Webbing 186
 Polyfab™ Shade Sail Edge Webbing 326
 Poly-Mesh 113
 Polypropylene Filter Fabric 118
 Polypropylene Trampoline Fabric 118
 Polytex®+ 104
 Polytex®+ Warranty 135
 Pooltex 118

REFERENCE INDEX

Porcelain Rings	195
Pres-N-Snap®	284
Pres-N-Snap® – Grommet Dies	284
PrintCraft™	22
Pulley – Stamped Steel – Swivel Eye	192
Pulley – Swivel Eye	193
Punch Kit – Self-Centering	291

Q

Q-Snap® Fasteners	231
Quick-Fit™ Tool Kit	285

R

Regalite® / O’Sea Firma Press-Polished Sheets	74
Regalite® Fenestra Uncoated Press-Polished Sheets	71
Regalite® Uncoated Press-Polished Sheets	74
Regatta® Facing	308
Regatta® Marine Binding	306
Renter’s Choice	118
Revolving Punch No. 155	286
Revolving Punch No. 155 – Cutting Tube Kit	286
Revolving Punch No. 155 – Cutting Tubes	286
Revolving Punch No. 155 – Punch Anvil	286
Ring Clips	195
Rollease® Chain and Stop Balls	159
Rollease® Hem Bars	159
Rollease® Motorizations from Somfy®	161
Rollease® Roller Tubes	158
Rollease® R-Series Clutches	158
Rollease® R-Series End Plugs	159
Rollease® R-Series Fascia	158
Rollease® R-Series Mounting Brackets	160
Rollease® Skyline Adapters	161
Rollease® Skyline Clutches	160
Rollease® Skyline Mounting Brackets	160
Rollease® Skyline Pin Ends	161
Rope – 3-Strand Polypropylene	344
Rope – Diamond Braided Polyester	340
Rope – Supreme MFP Braided	340
Rope – Unmanila™ Polypropylene	344
Rope Ratchet	257

S

Saint Clair Arcade FR	17
Saint Clair Arcade FR Warranty	135
Saint Clair LAC 650 SL	17
Saint Clair LAC 650 SL Warranty	136
Sateen Duck	114
Screw Eye	260
Screw Eye – Long Shank	260
Screw Eye – Open Eye	260
Sea Clear Polycarbonate	75
Sea-Sprae®	57

Serge Ferrari Soltis® Harmony 88	101
Serge Ferrari Soltis® Horizon 86	98
Serge Ferrari Soltis® Opaque B702	101
Serge Ferrari Soltis® Opaque B92	100
Serge Ferrari Soltis® Perform 92	99
Serge Ferrari Soltis® Proof 502	16
Serge Ferrari Soltis® Proof W88	102
Serge Ferrari Soltis® Proof W96	102
Serge Ferrari Soltis® Warranty	137
Serge Ferrari Stamoid® Facing	308
Serge Ferrari Stamoid® Heavy Cover 102 in.	59
Serge Ferrari Stamoid® Light 102 in.	60
Serge Ferrari Stamoid® Light 59 in.	59
Serge Ferrari Stamoid® Light 80 in.	59
Serge Ferrari Stamoid® Marine Binding	306
Serge Ferrari Stamoid® Open 102 in.	60
Serge Ferrari Stamoid® Smart 1	58
Serge Ferrari Stamoid® Top 102 in.	61
Serge Ferrari Stamoid® Top 59 in.	60
Serge Ferrari Stamoid® Top 80 in.	61
Serge Ferrari Stamoid® Warranty	138
Setting Die For Plain And Tooth Grommets And Washers	290
Setting Die For Rolled Rim Grommets And Spur Washers	291
SGS Thermal Digital Print Film	8
Shears – Kretzer®	288
Shears – Wiss® Industrial Shears	288
Shears – Wiss® Industrial Shears – Heavy-Duty	288
Shears – Wiss® Shop Shears	288
Shears – Wiss® Upholstery, Carpet And Fabric Shears	287
Shears – Wiss® Upholstery, Drapery, Carpet And Fabric Shears – Heavy Duty	287
SheerWeave® 1000	80
SheerWeave® 2000-01	81
SheerWeave® 2100-01	82
SheerWeave® 2360	82
SheerWeave® 2390	83
SheerWeave® 2390 Performance +	83
SheerWeave® 2410	84
SheerWeave® 2410 Performance +	84
SheerWeave® 2500	85
SheerWeave® 2701	85
SheerWeave® 2703	86
SheerWeave® 2705	86
SheerWeave® 2710	87
SheerWeave® 3000	87
SheerWeave® 4000 ECO	88
SheerWeave® 4100 ECO	88
SheerWeave® 4400 ECO	89
SheerWeave® 4500	89
SheerWeave® 4550	90
SheerWeave® 4600	90
SheerWeave® 4650	90
SheerWeave® 5000	91
SheerWeave® 7000	92
SheerWeave® 7100	92
SheerWeave® 7400	93
SheerWeave® 7450	93

SheerWeave® 7500.....	93	Somfy® CMO Override Kit s.....	166
SheerWeave® 7650.....	94	Somfy® Controls and Home Automation.....	168
SheerWeave® 8000.....	94	Somfy® Crowns and Drives.....	165
SheerWeave® Infinity 2.....	94	Somfy® Decoflex, Switches, and Toggles.....	167
SheerWeave® Exterior Warranty.....	138	Somfy® Light Kits, Solar, and Batteries.....	168
SheerWeave® Interior Warranty.....	139	Somfy® Maestria Altus RTS 3 Wire Motors.....	163
Shelter-Rite® Poly-R Scrim.....	113	Somfy® Motors and Accessories for Interior Shades.....	162
Shelter-Rite® Tarp Fabric Style 2118.....	113	Somfy® RTS CMO 3 Wire Motors.....	163
Showtime® II.....	119	Somfy® Sensors.....	167
Showtime® II Warranty.....	139	Somfy® Simu RTS CMO 3 Wire Motors.....	163
Silicone-Coated Fiberglass Cloth.....	117	Somfy® Sonesse 4 Wire Motors.....	164
Single-Filled Enameling Cotton Duck.....	114	Somfy® Sonesse Altus RTS 3 Wire Motors.....	163
Single-Filled Ounce Cotton Duck.....	114	Somfy® Sunea RTS CMO 3 Wire Motors.....	164
Skipper Water-Resistant Cotton Duck.....	112	Somfy® Transmitters (Remotes).....	166
SKP® Super Kwik Patch Repair Tape.....	173	Somfy® Vertical Motorizations.....	155
Slide Track – Nylon – Hinge.....	240	Spring – Snap Link.....	261
Slide Track – Nylon – Slide Cap.....	240	Staple Remover.....	289
Slide Track – Nylon – Slide Lock.....	240	Starfire®.....	19
Slide Track – Nylon – Slides.....	240	Starfire® Warranty.....	139
Snap – Bolt.....	262	Stayput™ Fasteners.....	232
Snap – Spring.....	262	Steel Stitch™ Accessories.....	203
Snap – Tent Wall.....	263	Steel Stitch™ Aluminum Extrusion.....	200
Snapfast® System.....	232	Steel Stitch™ FlashStrip®.....	202
Snaphook.....	216	Steel Stitch™ ZipStrip®.....	201
Snaphook – Interlocking.....	216	Steel Stitch™ ZipStrip® – Firesist® Fabric.....	202
SoftVent™ Vented Pole Cap.....	256	Steel Stitch™ ZipStrip® – Sunbrella® Fabric.....	201
Solair® Comfort Accessories.....	150	Steel Stitch™ ZipStrip® – Sunbrella® Fabric with Tenara® Thread.....	202
Solair® Comfort Frame.....	150	Strapping – Furniture.....	330
Solair® Comfort Hood Accessories.....	150	Strataglass® Vinyl Sheets.....	73
Solair® Comfort Retractable Awning.....	149	Strataglass® Warranty.....	140
Solair® Maxi II Large Window Awning.....	157	Sunbrella® Awning Braid – 13/16 in. – No. 4015 European Style.....	298
Solair® Patio Screens.....	156	Sunbrella® Awning Braid – 13/16 in. – No. 681.....	299
Solair® Power Screen.....	151	Sunbrella® Awning Braid – 5/8 in. – No. 6118.....	300
Solair® Pro II Awning Covers.....	148	Sunbrella® Awning Solids 46 in.....	3
Solair® Pro II Retractable Awning.....	147	Sunbrella® Awning Solids 60 in.....	4
Solair® Pro II Valance Plus Fabric.....	148	Sunbrella® Awning Solids 80 in.....	5
Solair® Pro II Valance Plus System.....	148	Sunbrella® Awning Stripes.....	6
Solair® Vertical Bottoms / Weight Bars.....	155	Sunbrella® Brush Fringe.....	26
Solair® Vertical Cable Packages.....	155	Sunbrella® Brush Fringe.....	297
Solair® Vertical Curtain.....	152	Sunbrella® European Upholstery Collection.....	34
Solair® Vertical Double Gudgeon Packages.....	154	Sunbrella® European Upholstery Collection – Sling.....	37
Solair® Vertical Gears.....	153	Sunbrella® Facing.....	308
Solair® Vertical Gudgeons.....	154	Sunbrella® Fusion Collection.....	25
Solair® Vertical Hand Braces.....	154	Sunbrella® Graphics System Warranty.....	142
Solair® Vertical Hood Packages.....	155	Sunbrella® Horizon®.....	63
Solair® Vertical Mounting Brackets.....	153	Sunbrella® Horizon® – Foam Back.....	64
Solair® Vertical Pin Sets.....	154	Sunbrella® Horizon® – Hidem Gimp.....	309
Solair® Vertical Roller Tube.....	152	Sunbrella® Horizon® – Roll-N-Pleat.....	64
SolaMesh®.....	103	Sunbrella® Horizon® – Welt.....	311
SolaMesh® Shade Sail Hardware.....	181	Sunbrella® Horizon® Warranty.....	141
SolaMesh® Warranty.....	139	Sunbrella® Marine Binding – Centerfold – Type 1810.....	301
Somfy® 4 Wire Motors.....	164	Sunbrella® Marine Binding – Double-Fold Bias Cut.....	301
Somfy® Altus RTS 3 Wire Motors.....	162	Sunbrella® Marine Binding – Double-Fold Straight Cut.....	303
Somfy® Brackets.....	166	Sunbrella® Marine Solids 46 in.....	49
Somfy® Cable s.....	165	Sunbrella® Marine Solids 60 in.....	50
Somfy® CMO 4 Wire Motor s.....	164	Sunbrella® Marine Solids 80 in.....	52

REFERENCE INDEX

Sunbrella® Mayfield Collection®.....	7
Sunbrella® Plus 60 in.....	8
Sunbrella® Plus 60 in.....	53
Sunbrella® Plus 80 in.....	8
Sunbrella® Plus 80 in.....	53
Sunbrella® Rain.....	38
Sunbrella® Retweed.....	32
Sunbrella® SeaMark®.....	7
Sunbrella® SeaMark®.....	52
Sunbrella® Shadow.....	39
Sunbrella® Sling.....	39
Sunbrella® SUNZIP™ III #10 Separating Zipper with Automatic Lock – Double Pull Metal Slider.....	278
Sunbrella® Transcend.....	33
Sunbrella® Twist Cord-Edge.....	26
Sunbrella® Twist Cord-Edge.....	297
Sunbrella® Upholstery Fabrics.....	27
Sunbrella® Warranty.....	140
Sunbrella® Webbing.....	326
Sunforger® Boat Shrunk.....	61
Sunforger® Boat Shrunk – Flame Retardant.....	61
Sunforger® Marine Finish Boat Shrunk.....	62
Sunforger® Marine Finish Boat Shrunk – Flame Retardant.....	62
Sunsure®.....	46
Sunsure® Warranty.....	142
SunTex® 80.....	94
SunTex® 90.....	95
SunTex® 95.....	95
SunTex® 80, 90 and 95 Warranty.....	143
SunTex® 97.....	96
Super Seamstick/Hi-Tack Adhesive Tape.....	335
Super-Top™ Boat Topping.....	61
Support Pole – Aluminum Extension.....	242
Sur Last®.....	57
Sur Last® Warranty.....	143
Sur Last® Marine Binding.....	307

T

Tape – Curtain Strapping.....	336
Tape – Double-Faced.....	336
Tape – Double-Faced Adhesive.....	336
Tape – Double-Faced Transfer.....	337
Tape – Fabric Bond Welding.....	338
Tape – Fabric Bond Welding – FIRESIST®.....	338
Tape – No. 281 Nylon.....	327
Tape – No. 463 Seam.....	337
Tape – Reinforcing.....	337
Tape – Unbleached Cotton.....	331
Tape – Vinyl Adhesive Welding.....	336
Tear Mender.....	172
Tear-Aid® Patch Retail Kits.....	173
Tear-Aid® Roll Patches.....	174
Tele-Sun Shade Poles.....	241
Tent Slide.....	263
Tent Stake – Steel.....	263

Texacro® – Hook And Loop Tape – Adhesive Back.....	332
Texacro® – Hook And Loop Tape – Standard Back.....	331
Tex-Tex®.....	118
Textilene® 80.....	97
Textilene® 90.....	97
Textilene® 95.....	98
Textilene® 80, 90 and 95 Warranty.....	143
Textilene® Nano™ 60.....	96
Textilene® Nano™ 95.....	96
Textilene® Nano™ 97.....	97
Textilene® Nano™ 60, 95 and 97 Warranty.....	143
Thread – A&E Poly Nu Bond™ Twisted Non-Wick Polyester.....	317
Thread – A&E Special.....	318
Thread – A&E SunStop®.....	319
Thread – Aruvo® PTFE.....	322
Thread – Coats Dabond® Nano.....	315
Thread – Coats Dual Duty®.....	315
Thread – Coats Polymatic® AW (Anti-Wick) Bonded Monocord Dacron®.....	315
Thread – Coats Polymatic® Bonded Monocord Dacron®.....	316
Thread – Coats Ultra Dee® Polyester.....	316
Thread – Gore® Tenara® (HTR Style).....	321
Thread – Gore® Tenara® (Original Style).....	320
Thread – Gore® Tenara® (TR Style).....	320
Thread – PremoBond Bonded Anti-Wick Polyester.....	318
Thread Nippers.....	287
Ties – Aluminum.....	259
Tonneau-Tex® SP.....	110
Top Stop No. 10.....	268
Top-Snapper®.....	289
Touch Up Paint – Gatorshield®.....	205
Track – Costa Track®.....	254
Track – Costa Track® End Cap.....	254
Track – Flex-A-Rail.....	254
Track – Headliner.....	255
Track – PVC.....	253
Track – Steel Curtain Track System – 16 Gauge – Ceiling Support Brackets.....	193
Track – Steel Curtain Track System – 16 Gauge – Curved Track.....	194
Track – Steel Curtain Track System – 16 Gauge – End Stops.....	193
Track – Steel Curtain Track System – 16 Gauge – Industrial Curtain Trolley.....	194
Track – Steel Curtain Track System – 16 Gauge – Roller Track.....	194
Track – Steel Curtain Track System – 16 Gauge – Track Splice.....	195
Track – Steel Curtain Track System – 16 Gauge – Wall Mount And End Mount Brackets.....	195
Track – Three Channel – PVC.....	254
Track – Trim Screws.....	255
Triangle Ring.....	212
Trivantage® GVC18.....	110
Tubing – Aluminum Square.....	200
Tubing – Marine – Aluminum.....	234
Tubing – Marine – Stainless Steel Type 304.....	252
Tubing – Marine – Stainless Steel Type 316.....	252
Tubing “PE” – Low-Density Polyethylene.....	198
TUFFAK® (Makrolon®) AR2.....	75
TUFFAK® (Makrolon®) Marine 5.....	74
TUFFAK® (Makrolon®) VR.....	75
Tufmesh™.....	113

U

U.S. Army Cotton Duck..... 115
 Utility Trash Tarp Fabric..... 110

V

VCP 111
 VELCRO® Brand Hook And Loop Fasteners – Adhesive Back Nylon Tape..... 334
 VELCRO® Brand Hook And Loop Fasteners – Adhesive Back Polyester Tape..... 334
 VELCRO® Brand Hook And Loop Fasteners – Standard Back Nylon Tape..... 332
 VELCRO® Brand Hook And Loop Fasteners – Standard Back Polyester Tape..... 333
 VELCRO® Brand ONE-WRAP® Fasteners..... 335
 VELCRO® Brand VELSTICK® Semi-Rigid Fasteners..... 335
 Vent-Sol-Air 256
 Verilon® Clear Double-Polished Vinyl Rolls..... 72
 Verilon® Clear Double-Polished Vinyl Rolls – Flame Retardant 72
 Visilite®..... 71
 Visilite® AR Polycarbonate Sheets 74

W

Weather-Chek® 18
 Webbing – 3 Bar Slide..... 213
 Webbing – Cotton – Indo-Carbon Black – Class 3..... 330
 Webbing – Cotton – Natural – Class 1..... 330
 Webbing – Dacron®..... 328
 Webbing – Nylon..... 327
 Webbing – Polyester..... 328
 Webbing – Polypropylene 328
 Webbing – Polypropylene Style No. 7390 329
 Webbing – Tip For Types I And II Webbing..... 213
 Webbing – Tip For Types I, II And III Webbing..... 214
 Webbing – Vat-Dyed Olive Drab – Shade 7 Untreated – Class 3 330
 Webbing Loop..... 212
 Weblon® Coastline Plus®..... 12
 Weblon® Coastline Plus® Continental Stripes 13
 Weblon® Coastline Plus® Duplex..... 13
 Weblon® Coastline Plus® Traditional Stripes..... 13
 Weblon® Coastline Plus® Warranty 144
 Weblon® Regatta® Yacht Fabric 58
 Weblon® Regatta® Yacht Fabric Warranty..... 144
 Weblon® Vanguard®..... 15
 Weblon® Vanguard® Warranty..... 144
 Welt 309
 Welt – Rubber Spray 313
 Welting – Vinyl 198
 Welting – Welt Cord..... 309
 Windscreen 118
 Worm Gear Attachments – Universal Or Knuckle Joint..... 192
 Worm Gear Attachments – Winding Shaft Eye..... 193

X

Xtreme Seal® 313
 Xtreme Seal® Awning Seal..... 198

Xtreme Seal® Awning Seal..... 314
 Xtreme Seal® Ultra Seal..... 313
 Xtreme Seal® V-Seal..... 314

Y

YKK® Fasteners..... 217
 YKK® Pull Cord 267
 YKK® SNAD® Pressure Sensitive Fasteners..... 233
 YKK® SNAPCAP®..... 268
 YKK® VISLON® 10VF No. 10 Sliders – Metal 264
 YKK® VISLON® 10VF No. 10 Sliders – Plastic 264
 YKK® VISLON® 10VFUV No. 10 Chain (VF)..... 264
 YKK® VISLON® 5VS No. 5 Chain 265
 YKK® VISLON® 5VS No. 5 Sliders – Metal..... 265
 YKK® VISLON® 5VS No. 5 Sliders – Plastic..... 265
 YKK® VISLON® 8VF No. 8 Sliders – Metal..... 266
 YKK® VISLON® 8VFUV No. 8 Chain..... 266
 YKK® VISLON® Bottom Stops..... 267
 YKK® VISLON® Top Stops..... 268
 YKK® VISLON® UV VFUV No. 10 Separating Zipper Automatic Lock – Metal Slider.. 269
 YKK® VISLON® UV VFUV No. 8 Separating Zipper Non-Locking – Double Pull Metal Slider..... 269
 YKK® VISLON® VFOL105W No. 10 Separating Zipper Non-Lock – Double Pull Metal Slider..... 270
 YKK® VISLON® VFULVOL-107 DX E No. 10 Separating Zipper With Automatic Lock – Short Double Pull Metal Slider 270
 YKK® VISLON® VFUVOL-106 DA E No. 10 Separating Zipper With Automatic Lock – Short Single Pull Metal Slider..... 271
 YKK® VISLON® VFUVOL-106 EW 11/16 Boat Top UV Separating Zipper with Automatic Lock – Short Single Pull Plastic Slider..... 271
 YKK® VISLON® VFUVOL-107 DX E No. 10 Separating Zipper With Automatic Lock – Short Double Pull Metal Slider 272
 YKK® VISLON® VFUVOL107TX No. 10 Separating Zipper With Automatic Lock – Double-Pull Plastic Slider 275
 YKK® VISLON® VFUVOL-86 DA E 5/8 No. 8 Separating Zipper With Automatic Lock – Single Pull Metal Slider..... 277
 YKK® VISLON® VFUVOL-86 DA E No. 8 Separating Zipper With Automatic Lock – Short Single Pull Metal Slider 277
 YKK® VISLON® VFUVOL-87 DXL E No. 8 Separating Zipper With Automatic Lock – Long Double Pull Metal Slider..... 274
 YKK® VISLON® VSOL56 No. 5 Separating Zipper With Automatic Lock – Short Single Pull Metal Slider..... 276
 YKK® ZIPLON® CFOR-105 DWL E No. 10 Separating Zipper Non-Locking – Double Pull Metal Slider 277
 YKK® ZIPLON® CFOR-106 DA E No. 10 Separating Zipper With Automatic Lock – Single Pull Metal Slider 277
 YKK® ZIPLON® Chain (CF) 267
 YKK® ZIPLON® Sliders – Metal 266
 YKK® ZIPPY COOL® 278

Z

Zipper Jig 269
 Zipper Stop Application Tool 268
 Zipzap Lubricants 278

Terms of Sale

Last updated: January 2021

No Warranties; Exclusion of Liability

All goods sold by TRIVANTAGE, LLC ("Trivantage") are PROVIDED "AS-IS" AND WITHOUT ANY WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. Trivantage assumes no liability for results of the use of goods purchased from Trivantage, including, without limitation, their use in combination with other components, assemblies or products, or their suitability or unsuitability for a particular use or a particular environment Unless specifically indicated to the contrary, goods sold are not fire retardant and should not be exposed to intense heat or flame. Unless specifically indicated to the contrary, goods sold are not water resistant or waterproof. Trivantage neither undertakes to independently test nor makes any representation or warranty with respect to any manufacturer's claims for performance for its products, including the claims of a manufacturer that its product is fire retardant, water resistant or waterproof. Any warranty given by any other manufacturer or supplier of goods sold or of component parts thereof is assigned by Trivantage to the Buyer to the extent permissible under law and the terms of such warranty. WITHOUT LIMITING THE FOREGOING, TRIVANTAGE SHALL IN NO EVENT BE LIABLE FOR LOSS OF USE OR PROFIT, OR FOR OTHER COLLATERAL, INCIDENTAL, PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES.

Orders - Acceptance, Modification and Cancellation

All orders are subject to acceptance by Trivantage, and when so accepted shall constitute a contract. All orders are accepted subject to these Terms of Sale and, if Buyer is approved for purchasing on credit, subject to approval by Trivantage of the Buyer's credit at the time of shipment. Trivantage's acceptance of an order is conditioned upon the waiver by Buyer of any terms and conditions which differ from, vary from, or add to, these Terms of Sale, which shall constitute the entire agreement of the parties as to the subject matter hereof. The specifications applicable to goods sold by Trivantage shall be Trivantage's specifications, unless Buyer shall have furnished different specifications and Trivantage shall have agreed in writing to such specifications. Trivantage reserves the right to make changes or substitutions in the items ordered without the prior approval of or notification to the Buyer, as long as such changes do not adversely affect form, fit or function requirements. Orders may not be altered or modified by the Buyer except with the written consent of Trivantage. Trivantage, at its option, may cancel all or the remaining unfilled portion of any blanket or continuing order if (a) Buyer's payments are in default; (b) Buyer breaches any material provision of Trivantage's Terms of Sale; (c) substantial changes in materials or supplies occur; (d) causes beyond Trivantage's control make it impossible to ensure shipment; (e) Buyer becomes insolvent or is subject to a petition in bankruptcy; or (f) Trivantage withdraws its credit approval of Buyer. The Buyer may cancel the remaining unfilled portion of any blanket or continuing order upon written notice to Trivantage and payment of reasonable cancellation charges, which charges shall take into account goods already produced or in process, expenses incurred by Trivantage in connection with the order, and commitments made by Trivantage, as a consequence of the order; provided, however, that the cancellation charges shall not exceed the purchase price of the cancelled portion of the order.

Trademarks

"Trivantage" and the Trivantage logo, company name, service name, and any slogans that may appear on the Trivantage website, or in Trivantage materials, are trademarks or registered trademarks of Trivantage or its affiliates and may not be copied, imitated or used, in whole or in part, without the prior written permission of Trivantage. All other trademarks, registered trademarks, product names and company names or logos not owned by Trivantage or its affiliates that appear on the Trivantage website or in Trivantage materials are the property of their respective owners. Reference to any products, services or other information, by name, trademark, manufacturer, supplier or otherwise does not constitute or imply endorsement or recommendation by Trivantage.

Price and Terms

ALL QUOTED PRICES ARE BASED ON THE CURRENT NET WHOLESALE PRICES IN U.S. FUNDS PREVAILING AT THE TIME OF QUOTATION. ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE AND THE PRICE CHARGED WILL BE THAT IN EFFECT AT THE TIME OF SHIPMENT. A minimum order charge may apply.

Customers without established credit approval from the Trivantage credit department should remit payment with the order, or instruct Trivantage to ship C.O.D. for an extra fee. For Buyers approved by the Trivantage credit department, Buyer must pay Trivantage within thirty (30) days of the invoice date. A service charge of 1-1/2% per month (18% per annum) or the maximum amount allowed by applicable law will be added to all past due invoices. Buyer is responsible for payment of all applicable sales, use or other taxes, whether local, state or federal, with respect to the goods purchased, or returning to Trivantage the properly completed and signed sales tax exemption form. Buyer is responsible for any import or export charges.

Shipping and Delivery

Trivantage shall not be liable for delays in production or delivery due to causes beyond its control, including but not limited to acts of God, acts of Buyer, acts of civil or military authorities, priorities, fires, strikes, floods, epidemics, quarantines, war, delays in transportation and inability due to causes beyond Trivantage's control to obtain necessary labor, materials or manufacturing facilities. A shipping date given by Trivantage is an estimated date. In no event shall Trivantage be liable to the Buyer for loss of use or profit or any other collateral, incidental, punitive, special or consequential damages resulting from delays in production or delivery, whether or not due to causes beyond Trivantage's control.

Trivantage will use its best judgment in packaging, packing, shipping and routing unless Buyer gives specific instructions with its order. In the event of shortage or damage incurred enroute, Buyer must make its complaint to the delivering transportation agency and file a claim against such agency. In the event of a shortage in packing, any claim against Trivantage must be made in writing within ten (10) days of receipt of the merchandise. All shipments are made Ex Works Trivantage facility, unless otherwise agreed to in writing by Trivantage. Trivantage's responsibility for delivery ends with a signed bill of lading from the carrier. All risk of loss after Trivantage's delivery to the carrier shall be borne by the Buyer.

Returns of Goods from Non-Special Purchase Orders

Trivantage will accept returns of goods from non-Special Purchase Orders purchased from Trivantage for up to 60 days from the date of invoice, subject to the following conditions:

1. Buyer must obtain an authorization from Trivantage prior to the return of any goods;
2. All returns are subject to a restocking fee of \$15.00 or 15% handling charge (whichever is greater, not to exceed a total of \$125.00);
3. No returns on fabric will be allowed if the goods have been altered, cut or combined with any other goods;
4. Goods must be returned in original packaging and be in the original condition; and
5. Buyer is responsible for the cost of return shipping to Trivantage, and for arranging the return shipment. If Buyer requests that Trivantage facilitate the return, and Trivantage agrees to facilitate the return, a return shipping charge of (a) 5% of the price paid for the goods returned, or (b) Trivantage's less-than-truckload shipping amount, whichever is higher, will be imposed on the Buyer.

Trivantage does not take title to returned items until the item arrives at a Trivantage facility. In no event shall the Buyer be entitled to any right of set-off against Trivantage.

TRIVANTAGE DOES NOT ACCEPT RETURNS OF GOODS FROM SPECIAL PURCHASE ORDERS. A Special Purchase Order is any order that requires Trivantage to obtain a quote from a manufacturer, or any order that requires Trivantage to place a custom order with a manufacturer.

Miscellaneous

If any goods or services ordered by Buyer are supplied by Trivantage in accordance with designs or specifications of the Buyer, and such goods are not Trivantage's standard items or supplied in accordance with Trivantage's standard processes, Buyer shall indemnify Trivantage from any expense, loss, damage or liability which may be incurred by Trivantage on account of any infringement or alleged infringement of any U.S. or foreign patent rights with respect to such goods or processes. The sale of goods by Trivantage does not convey a license, express or implied, under any patent in which Trivantage has an interest, nor does it convey rights to any descriptive data, including Trivantage's manufacturing drawings, processes or tooling.

THE PARTIES AGREE THAT THIS AGREEMENT, ANY SALES HEREUNDER, OR ANY CLAIM, DISPUTE OR CONTROVERSY BETWEEN TRIVANTAGE AND BUYER ARISING FROM OR RELATING TO THIS AGREEMENT, SHALL, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, BE GOVERNED BY THE LAWS OF THE STATE OF NORTH CAROLINA, WITHOUT REGARD TO CONFLICTS OF LAWS RULES.

Buyer irrevocably submits to the exclusive jurisdiction of the state and federal courts of the State of North Carolina for the resolution of any legal action arising out of this Agreement and irrevocably agrees that venue for such legal action shall lie exclusively in Alamance County, North Carolina, for any state court action, or in the Middle District of North Carolina for any action instituted within the federal court system.

Any provision hereunder that is prohibited or unenforceable in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof, and any such prohibition or unenforceability in any jurisdiction shall not invalidate or render unenforceable such provision in any other jurisdiction.

If the goods purchased are to be used in fulfilling a contract or a subcontract either with the U.S. Government or any agency thereof, Trivantage will comply with all mandatory provisions of the Government applicable to Trivantage if and only if Buyer gives Trivantage written notice of such provisions in sufficient time to permit compliance. In addition, Trivantage may, at its option, adopt any provisions of the Armed Services Procurement Regulations or other federal laws or regulations applicable to or made available to subcontractors in the prime contract.

