





Hardware: The Right Supplies

At Trivantage®, we carry trusted tools like hammers, hole cutters, hot knives, awls, staple removers, zipper jigs, grommets and scissors, as well as, finishing supplies like thread, webbing, tape and rope so you can get the job done right. Whether you're looking for the tough materials that stand up to weather, like corrosion-resistant marine hardware or shade sail and awning hardware, the supplies you use should be as exceptional as your craftsmanship.



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SolaMesh® Shade Sail Hardware

Engineered to work seamlessly with SolaMesh shade sail fabric, SolaMesh hardware is available in a variety of sizes to meet all demands. Made of stainless steel type 316, it is built for lifting and rigging purposes. SolaMesh hardware is backed by a 5-year warranty.

Note: The completed structure should be properly designed by a professional engineer and installed by an experienced contractor in accordance with local building codes. It is the responsibility of the fabricator to determine the right hardware for a specific structure. It is recommended that an anti-seize product like Ultra Tef-Gel Marine Lubricant (Item #214324) be used on turnbuckle threads to reduce binding.

Warranty	5-Year
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Item #	Description	Height	Inside Diameter	Length	Material	Put Up	Size	Size Opening	Tapped Thread	Threaded For Size	Width
207020	Turnbuckle Jaw/Jaw			196 mm (7.72 in.)	Stainless Steel Type 316	1/each	8 mm (0.31 in.)	11 mm (0.43 in.)			
207021	Turnbuckle Jaw/Jaw			238 mm (9.37 in.)	Stainless Steel Type 316	1/each	10 mm (0.38 in.)	12 mm (0.47 in.)			
207022	Turnbuckle Jaw/Jaw			324 mm (12.76 in.)	Stainless Steel Type 316	1/each	12 mm (0.44 in.)	14 mm (0.55 in.)			
207025	Spring Hook		12 mm (0.47 in.)	80 mm (3.15 in.)	Stainless Steel Type 316	1/each	8 mm (0.31 in.)	9 mm (0.35 in.)			
207026	Spring Hook		15 mm (0..59 in.)	100 mm (3.94 in.)	Stainless Steel Type 316	1/each	10 mm (0.38 in.)	12 mm (0.47 in.)			
207027	Cable Dee Ring	58 mm (2.28 in.)			Stainless Steel Type 316	1/each	6 mm x 50 mm (1/4 in. x 2 in.)				52 mm (2.05 in.)
207028	Cable Dee Ring	64 mm (2.52 in.)			Stainless Steel Type 316	1/each	8 mm x 50 mm (5/16 in. x 2 in.)			M8	54 mm (2.13 in.)
207029	Cable Dee Ring	70 mm (2.76 in.)			Stainless Steel Type 316	1/each	10 mm x 55 mm (3/8 in. x 2.19 in.)			M8	56 mm (2.2 in.)
207030	Dee Ring Thimble	57 mm (2.24 in.)			Stainless Steel Type 316	1/each	6 mm x 50 mm (1/4 in. x 2 in.)				64 mm (2.52 in.)
207031	Dee Ring Thimble	62 mm (2.44 in.)			Stainless Steel Type 316	1/each	8 mm x 50 mm (0.31 in. x 2 in.)				69 mm (2.72 in.)
207032	Dee Ring Thimble	76 mm (2.99 in.)			Stainless Steel Type 316	1/each	10 mm 65 mm (0.38 in. x 2.56 in.)				87 mm (3.43 in.)
207033	Dee Ring	47 mm (1.85 in.)		50 mm (1.97 in.)	Stainless Steel Type 316	1/each	6 mm x 50 mm (0.25 in. x 2 in.)				
207034	Dee Ring	47 mm (1.85 in.)		50 mm (1.97 in.)	Stainless Steel Type 316	1/each	8 mm x 50 mm (0.31 in. x 2 in.)				
207035	Triangle	50 mm (1.97 in.)		50 mm (1.97 in.)	Stainless Steel Type 316	1/each	6 mm x 50 mm (0.25 in. x 2 in.)				
207036	Triangle	50 mm (1.97 in.)		50 mm (1.97 in.)	Stainless Steel Type 316	1/each	8 mm x 50 mm (0.31 in. x 2 in.)			M8	



207020



207023



207025



207027



207030



207033



207035

Item #	Description	Height	Inside Diameter	Length	Material	Put Up	Size	Size Opening	Tapped Thread	Threaded For Size	Width
207037	Bow Shackle			32 mm (1.26 in.)	Stainless Steel Type 316	1/each	8 mm (0.31 in.)	16 mm (0.63 in.)			
207038	Bow Shackle			40 mm (1.57 in.)	Stainless Steel Type 316	1/each	10 mm (0.38 in.)	20 mm (0.79 in.)			
207039	Bow Shackle			48 mm (1.89 in.)	Stainless Steel Type 316	1/each	12 mm (0.44 in.)	24 mm (0.94 in.)			
207040	Dee Shackle			32 mm (1.26 in.)	Stainless Steel Type 316	1/each	8 mm (0.31 in.)	16 mm (0.63 in.)			
207041	Dee Shackle			40 mm (1.57 in.)	Stainless Steel Type 316	1/each	10 mm (0.38 in.)	20 mm (0.79 in.)			
207042	Long Dee Shackle			64 mm (2.52 in.)	Stainless Steel Type 316	1/each	8 mm (0.31 in.)	16 mm (0.63 in.)			
207043	Long Dee Shackle			80 mm (3.15 in.)	Stainless Steel Type 316	1/each	10 mm (0.38 in.)	20 mm (0.79 in.)			
207044	Twisted Dee Shackle			48 mm (1.89 in.)	Stainless Steel Type 316	1/each	8 mm (0.31 in.)	16 mm (0.63 in.)			
207045	Twisted Dee Shackle			60 mm (2.36 in.)	Stainless Steel Type 316	1/each	10 mm (0.38 in.)	20 mm (0.79 in.)			
207046	Diamond Pad Eye			90 mm (3.54 in.)	Stainless Steel Type 316	1/each	90 mm x 55 mm (3.54 in. x 2.17 in.)				55 mm (2.17 in.)
207047	Diamond Pad Eye			100 mm (3.94 in.)	Stainless Steel Type 316	1/each	100 mm x 62 mm (4 in. x 2.44 in.)				62 mm (2.44 in.)
207048	Diagonal Eye Wall Plate			100 mm (3.94 in.)	Stainless Steel Type 316	1/each	100 mm (3.94")				100 mm (3.94 in.)
207049	Diagonal Eye Wall Plate			150 mm (5.91 in.)	Stainless Steel Type 316	1/each	150 mm (5.91")				150 mm (5.91 in.)
207050	Eye Bolt, Nut, Washer		20 mm (0.79)	100 mm (3.94 in.)	Stainless Steel Type 316	1/each	8 mm x 100 mm (0.31 in. x 4 in.)		8 mm (0.31 in.)		
207051	Eye Bolt, Nut, Washer		20 mm (0.79 in.)	150 mm (5.91 in.)	Stainless Steel Type 316	1/each	8 mm x 150 mm (0.31 in. x 6 in.)		8 mm (0.31 in.)		
207052	Eye Bolt, Nut, Washer		23 mm (0.91 in.)	150 mm (5.91 in.)	Stainless Steel Type 316	1/each	10 mm x 150 mm (.38 in. x 6 in.)		10 mm (0.39 in.)		
207053	Rope Clamp			33 mm (1.3 in.)	Rope Clamp	1/each	6 mm (0.25 in.)				26 mm (1.02 in.)
207054	Rope Clamp			35 mm (1.38 in.)	Stainless Steel Type 316	1/each	8 mm (0.31 in.)				32 mm (1.26 in.)
207055	Rope Clamp			40 mm (1.57 in.)	Stainless Steel Type 316	1/each	10 mm (0.38 in.)				37 mm (1.46 in.)
207056	Thimble		10/16"	26 mm (1.02 in.)	Stainless Steel Type 316	1/each	6 mm (0.25 in.)				
207057	Thimble		18 mm (0.71 in.)	33 mm (1.3 in.)	Stainless Steel Type 316	1/each	8 mm (0.31 in.)				
207058	Thimble		23 mm (0.91 in.)	48 mm (1.89 in.)	Stainless Steel Type 316	1/each	10 mm (0.38 in.)				



207039



207042



207046



207048



207051



207053



207061

Item #	Description	Height	Inside Diameter	Length	Material	Put Up	Size	Size Opening	Tapped Thread	Threaded For Size	Width
207059	Shade Sail Wire Rope				Stainless Steel Type 316	492 ft.	6 mm (0.25 in.)				
207060	Shade Sail Wire Rope				Stainless Steel Type 316	328 ft.	8 mm (0.31 in.)				
207061	Shade Sail Wire Rope				Stainless Steel Type 316	328 ft.	10 mm (0.38 in.)				
207062	Eye Bolt		20 mm (0.79 in.)	80 mm (3.15 in.)	Stainless Steel Type 316	1/each	8 mm x 80 mm (0.31 in. x 3.15 in.)		8 mm (0.31 in.)		
207063	Eye Bolt		23 mm (0.91 in.)	80 mm (3.15 in.)	Stainless Steel Type 316	1/each	10 mm x 80 mm (0.38 in. x 3.15 in.)		10 mm (0.39 in.)		
207064	Eye Bolt		25 mm (0.98 in.)	100 mm (3.94 in.)	Stainless Steel Type 316	1/each	12 mm x 100 mm (0.44in. x 4 in.)		12 mm (0.47 in.)		
207066	Snap Hook			53 mm (2.09 in.)	Stainless Steel Type 316	1/each	2 in. x 0.62 in.	16 mm (0.63 in.)			
207067	Turnbuckle Eye/Eye			195 mm (7.68 in.)	Stainless Steel Type 316	1/each	8 mm (0.31 in.)	14 mm (0.55 in.)			
207068	Turnbuckle Eye/Eye			240 mm (9.45 in.)	Stainless Steel Type 316	1/each	10 mm (0.38 in.)	16 mm (0.63 in.)			
207069	Turnbuckle Eye/Eye			310 mm (12.2 in.)	Stainless Steel Type 316	1/each	12 mm (0.44 in.)	18 mm (0.71 in.)			
207070	Pad-Eye				Stainless Steel Type 316	1/each		16 mm (0.63 in.)			
207072	External Corner Bracket			76 mm (3 in.)	Stainless Steel Type 316	1/each		13 mm (0.5 in.)			150 mm (5-29/32 in.)

SolaMesh® is a registered trademark of Glen Raven, Inc.



240000



240010



240015



240020



240030

Polyfab™ Pro Shade Sail Hardware

This premium line of hardware is ideal for use in tension shade structures such as hip and ridge and tension membrane shade sails. Use in conjunction with HDPE knitted shadecloth or equivalent fabrics. Polyfab Pro hardware is backed by a 5-year warranty.

Note: The finished structure should be properly engineered by a professional engineer and installed by a qualified contractor in accordance with local building codes. It is the responsibility of the fabricator to determine the proper hardware for a particular installation. It is recommended that an anti-seize product such as Ultra Tef-Gel Marine Lubricant (Item #214324) be used on turnbuckle threads to minimize binding.

Please refer to www.trivantage.com for proper care and cleaning of all Polyfab Pro hardware.

Warranty	5-Year
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Item #	Style #	Description	Material	Put Up	Size	Standard Package	Threaded For Size
240116	ZN-ZB14	Deck Post Bracket Set	Zinc Plated Steel	1/each		1	
240014	SS-SD-10	Polyfab Dee Shackle	AISI 316 Stainless Steel	1/each	10 mm	1	M10
240013	SS-SD-08	Polyfab Dee Shackle	AISI 316 Stainless Steel	1/each	8 mm	1	M8
240016	SS-SLD-10	Polyfab Long Dee Shackle	AISI 316 Stainless Steel	1/each	10 mm	150	M10
240015	SS-SLD-08	Polyfab Long Dee Shackle	AISI 316 Stainless Steel	1/each	8 mm	150	M8



240033



240041



240042



240044



240045



240048



240050



240055



240059



240067



240080

Item #	Style #	Description	Material	Put Up	Size	Standard Package	Threaded For Size
240020	SS-SLT-08	Polyfab Long Twisted Shackle	AISI 316 Stainless Steel	1/each	8 mm	280	M8
240021	SS-SLT-10	Polyfab Long Twisted Shackle	AISI 316 Stainless Steel	1/each	10 mm	150	M10
240045	SS-DRG-06	Polyfab Pro Dee Ring	AISI 316 Stainless Steel	1/each	6 x 50 mm	500	
240046	SS-DRG-08	Polyfab Pro Dee Ring	AISI 316 Stainless Steel	1/each	8 x 50 mm	300	
240056	SS-DRTH-850	Polyfab Pro Dee Ring Thimble	AISI 316 Stainless Steel	1/each	8 x 50 mm	230	
240055	SS-DRTH-650	Polyfab Pro Dee Ring Thimble	AISI 316 Stainless Steel	1/each	6 x 50 mm	300	
240057	SS-DRTH-1065	Polyfab Pro Dee Ring Thimble	AISI 316 Stainless Steel	1/each	10 x 65 mm	70	
240090	ZN-WPD-100	Polyfab Pro Diagonal Eye Wall Plate	Zinc Plated Steel	1/each	100 mm	20	
240091	ZN-WPD-150	Polyfab Pro Diagonal Eye Wall Plate	Zinc Plated Steel	1/each	150 mm	1	
240095	SS-PED-90	Polyfab Pro Diamond Pad Eye	AISI 316 Stainless Steel	1/each	80 mm	50	
240096	SS-PED-100	Polyfab Pro Diamond Pad Eye	AISI 316 Stainless Steel	1/each	100 mm	30	
240094	SS-WPD-180	Polyfab Pro Diamond Wall Plate with 100mm Shackle Eye	AISI 316 Stainless Steel	1/each	180 x 110 mm	1	
240052	SS-DRHD-10	Polyfab Pro Easy-Hold Dee Ring	AISI 316 Stainless Steel		10 x 55 mm	1	
240051	SS-DRHD-08	Polyfab Pro Easy-Hold Dee Ring	AISI 316 Stainless Steel	1/each	8 x 50 mm	300	
240050	SS-DRHD-05	Polyfab Pro Easy-Hold Dee Ring	AISI 316 Stainless Steel	1/each	5 x 50 mm	1	
240080	ZN-CBEX-100	Polyfab Pro External Corner Bracket	Zinc Plated Steel	1/each	100 mm	10	
240083	ZN-CBEX-250	Polyfab Pro External Corner Bracket	Zinc Plated Steel	1/each	250 mm	10	
240113	ZN-CBEX-150	Polyfab Pro External Corner Bracket	Zinc Plated Steel	1/each	150 mm	1	
240082	ZN-CBEX-100120	Polyfab Pro External Corner Bracket	Zinc Plated Steel	1/each	100 x 120 mm	10	
240049	SS-EYBC-10	Polyfab Pro Eye Bolt with Collar	AISI 316 Stainless Steel	1/each	10 mm	1	M10
240053	SS-EYBC-12	Polyfab Pro Eye Bolt with Collar	AISI 316 Stainless Steel	1/each	12 mm	1	M12
240032	SS-EYB-10120	Polyfab Pro Eye Bolt, Nut, 2 Washers	AISI 316 Stainless Steel	1/each	10 x 120 mm	50	M10
240047	SS-EYN-10	Polyfab Pro Eye Nut	AISI 316 Stainless Steel	1/each	10 mm	1	M10
240081	ZN-CBIN-100	Polyfab Pro Internal Corner Bracket	Zinc Plated Steel	1/each	100 mm	10	



240081



240083



240090



240094



240095



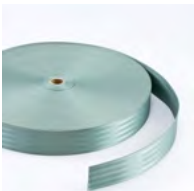
240106



240111

Item #	Style #	Description	Material	Put Up	Size	Standard Package	Threaded For Size
240067	SS-WRC-08	Polyfab Pro Rope Clamp	AISI 316 Stainless Steel	1/each	8 mm	300	
240111	SS-WRC-05	Polyfab Pro Rope Clamp	AISI 316 Stainless Steel	1/each	5 mm	1	
240010	SS-SBF-08	Polyfab Pro Shackle Bow	AISI 316 Stainless Steel	1/each	8 mm	450	M8
240012	SS-SBF-12	Polyfab Pro Shackle Bow	AISI 316 Stainless Steel	1/each	12 mm	120	M12
240011	SS-SBF-10	Polyfab Pro Shackle Bow	AISI 316 Stainless Steel	1/each	10 mm	200	M10
240107	SS-HKS-10	Polyfab Pro Spring Hook	AISI 316 Stainless Steel	1/each	10 mm	1	
240106	SS-HKS-08	Polyfab Pro Spring Hook	AISI 316 Stainless Steel	1/each	8 mm	1	
240061	SS-WRT-06	Polyfab Pro Thimble	AISI 316 Stainless Steel	1/each	6 mm	1000	
240041	SS-TRI-08	Polyfab Pro Triangle	AISI 316 Stainless Steel	1/each	8 x 50 mm	350	M8
240040	SS-TRI-06	Polyfab Pro Triangle	AISI 316 Stainless Steel	1/each	6 x 50 mm	500	M6
240007	SS-TBEE-12	Polyfab Pro Turnbuckle Eye/ Eye	AISI 316 Stainless Steel	1/each	12 mm	50	M12
240006	SS-TBEE-10	Polyfab Pro Turnbuckle Eye/ Eye	AISI 316 Stainless Steel	1/each	10 mm	100	M10
240005	SS-TBEE-08	Polyfab Pro Turnbuckle Eye/ Eye	AISI 316 Stainless Steel	1/each	8 mm	150	M8
240001	SS-TBJJ-10	Polyfab Pro Turnbuckle Jaw/ Jaw	AISI 316 Stainless Steel	1/each	10 mm	80	M10
240002	SS-TBJJ-12	Polyfab Pro Turnbuckle Jaw/ Jaw	AISI 316 Stainless Steel	1/each	12 mm	40	M12
240000	SS-TBJJ-08	Polyfab Pro Turnbuckle Jaw/ Jaw	AISI 316 Stainless Steel	1/each	8 mm	130	M8

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565111

Polyfab™ Shade Sail Edge Webbing

Polyfab Shade Sail Edge Webbing is used for shade structures and shade sails. Matches Polytex®, Comtex® and Architec 400® extra heavy duty knitted shadecloth.

Item #	Average Breaking Strength	Color	Color #	Put Up	Width
565135	4400 lbf.	Antec Orange	22	109 yd.	2 in.
565129	4400 lbf.	Beige	72	109 yd.	2 in.
565137	4400 lbf.	Berry	36	109 yd.	2 in.
565121	4400 lbf.	Black	99	109 yd.	2 in.
565103	4400 lbf.	Blue	50	109 yd.	2 in.
565109	4400 lbf.	Bronze	81	109 yd.	2 in.
565113	4400 lbf.	Charcoal	92	109 yd.	2 in.
565141	4400 lbf.	Fluro Green	67	109 yd.	2 in.
565142	4400 lbf.	Fluro Orange	27	109 yd.	2 in.

Item #	Average Breaking Strength	Color	Color #	Put Up	Width
565118	4400 lbf.	Golden Yellow	11	109 yd.	2 in.
565101	4400 lbf.	Midnight Green	62	109 yd.	2 in.
565105	4400 lbf.	Navy Blue	51	109 yd.	2 in.
565115	4400 lbf.	Porcelain	71	109 yd.	2 in.
565127	4400 lbf.	Red	30	109 yd.	2 in.
565111	4400 lbf.	Sage	19	109 yd.	2 in.
565107	4400 lbf.	Sandstone	73	109 yd.	2 in.
565125	4400 lbf.	Silver Gray	91	109 yd.	2 in.
565133	4400 lbf.	White	01	109 yd.	2 in.

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123004

Awning Hardware – Elbow

Threaded elbow made of plated, malleable iron.

Item #	Style #	For	Standard Package	Threaded For Pipe Size
123003	3	3/4 in. OD Tubing	25	1/2 in. ID
123004	4	1 in. OD Tubing	25	3/4 in. ID
123005	5	1-1/4 in. OD Tubing	25	1 in. ID
123008	8	1 in. and 3/4 in. OD Tubing	25	1/2 in. and 3/4 in. ID



293412

Awning Hardware – Slip-Fit Elbow – Aluminum

These aluminum Slip-Fit elbows are furnished with socket head set screws for easy installation.

Slip-Fit fittings offer a time and labor-saving means to build awnings. No threading is needed as they merely slip on or over the pipe structure and are tightened with stainless steel set screws. They allow fast modification when the piping is not cut to exact length.

Suggested uses: awning pipe frames.

Item #	Style #	For	Number Of Set Screws	Standard Package
282004	4-S	3/4 in. OD tubing, 5/8 in. ID pipe	2	25
293412	5-SQ	1 in. OD tubing, 3/4 in. ID pipe	4	25
293413	6-SQ	1-1/4 in. OD tubing, 1 in. ID pipe	4	25



123389



225135



244540

Awning Hardware – Slip-Fit Square Elbow – Malleable Iron

This Slip-Fit square elbow is made from plated, malleable iron and furnished with set screws. Its square design ensures a better fitting cover. Use to join front bars with end rafters.

Slip-Fit fittings provide a time and labor-saving method to install awnings. No threading is needed as they just slide on or over the pipe frame and are tightened with set screws. They allow rapid adjustment when the piping is not cut to precise size.

Suggested uses: joining right angles of any awning frame assembly.

Item #	Style #	Description	For	Number Of Set Screws	Standard Package
123385	289	Includes stainless steel screws	1-1/4 in. OD tubing, 1 in. ID pipe	2	25
123387	287	Includes stainless steel screws	1 in. OD tubing, 3/4 in. ID pipe	2	25
123389	289	Includes stainless steel screws	1-1/4 in. OD tubing, 1 in. ID pipe	2	25
225135	15-7	Includes screws	1-1/2 in. OD tubing, 1-1/4 in. ID pipe	2	20
244540	20-6	Includes screws	1-1/4 in. OD tubing, 1 in. ID pipe	3	25

225135 - Hot dip galvanized – smooth design, with socket head screw.



124702

Awning Hardware – Pin Or Nut End

Threaded Pin/Nut End made of plated, malleable iron. Includes a stainless steel nut. Use with side nut hinge or front cotter hinge

Item #	Style #	Standard Package	Threaded For Size
124702	2	25	1/2 in. pipe



281106

Awning Hardware – Eye End – Aluminum

Threaded.

Item #	Style #	For	Standard Package
281106	5A	3/4 in. pipe	25
293616	4A-4	1/2 in. pipe	25



124002

Awning Hardware – Eye End – Malleable Iron

Threaded Eye End made from GEOMET® plated, malleable iron. Placed on the ends of arms and rafters for fastening onto hinges or jaws. Use with side nut hinge or front cotter hinge.

Item #	Style #	Standard Package	Threaded For Size	Type
124010	10	25	3/4 in. pipe	Large eye
124007	7	25	1/4 in. pipe or 1/2 in. iron	Large eye
124009	9	25	1/2 in. pipe	Large eye
124012	12	25	1 in. pipe	Small eye
124002	2	25	1/4 in. pipe or 1/2 in. iron	Small eye
124003	3	25	3/8 in. pipe or 5/8 in. iron	Small eye
124004	4	25	1/2 in. pipe	Small eye
124005	5	25	3/4 in. pipe	Small eye

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282191

Awning Hardware – Slip-Fit Eye End – Aluminum

These Slip-Fit eye ends are made from sturdy aluminum. They’re designed to carry the unique needs of custom awnings. Furnished with socket head stainless steel set screws, they allow for quick installation.

Slip-Fit fittings offer a time and labor-saving way to install patio awnings. No threading is necessary as they simply slip on or over the pipe frame and are tightened with set screws. They permit rapid adjustment when the pipe is not cut to exact length.

Suggested uses: awning pipe frames.

Item #	Style #	For	Number Of Set Screws	Screw Size	Standard Package
282193	286A-304	3/4 in. OD tubing, 5/8 in. ID pipe	1	5/16-18 x 5/16	25
282190	290A-305	1 in. OD tubing, 3/4 in. ID pipe	1	5/16-18 x 5/16	25
282191	291A-315	1-1/4 in. OD tubing, 1 in. ID pipe	2	5/16-18 x 5/16" (two)	25
282122	25	3/8 in. OD tubing, 1/4 in. ID pipe	1		25



124190

Awning Hardware – Slip-Fit Eye End – Malleable Iron

These specially designed Slip-Fit eye ends are made from plated, malleable iron. The fittings are properly proportioned for the greatest rigidity. The small eye permits a snug fit between the eye end, rod, and rafter holder. A 2-inch barrel depth assures greater holding power. The eye end is furnished with a stainless steel set screw.

Slip-Fit fittings offer a labor and time-saving way to build awnings. No threading is required as they simply slip on or over the pipe frame and are tightened with a set screw. They allow fast adjustment when the pipe is not cut to exact length.

Suggested uses: awning pipe frame assemblies, supporting pipe posts.

Item #	Style #	For	Maximum Bolt Standard	Number Of Set Screws	Standard Package
124188	286	3/4 in. OD tubing, 1/2 in. ID pipe	1/4 in.	1	25
124190	290	1 in. OD tubing, 3/4 in. ID pipe	7/16 in.	1	25
124195	291	1-1/4 in. OD tubing, 1 in. ID pipe	7/16 in.	1	25



281680

Awning Hardware – Front Bar Clamp – Aluminum

Front bar clamps provide fast and complete slip fit of pipe rafter to front bar. Simply tighten the set screws which are furnished and the operation is complete.

Item #	Style #	For	Standard Package
281680	380-A	1 in. x 1 in. OD Tubing, 3/4 in. x 3/4 in. ID Pipe	25
281681	381-A	1-1/4 in. x 1-1/4 in. OD Tubing, 1 in. x 1 in. ID Pipe	25



130581

Awning Hardware – Slip-Fit Adjustable Front Bar

These Slip-Fit adjustable front bars include plated-steel clamps, a zinc die-cast collar, and stainless steel hardware. The interlocking three-piece fitting provides a rigid, low-cost assembly. Simply slip over the pipe and adjust to your desired position by tightening the set screw. With both hands free, you can quickly bolt the bottom section to the top section for a sturdy, reinforced assembly.

Slip-Fit hardware offer a time and labor-saving means to install awnings. No threading is needed as they just slide on or over the piping frame. They permit fast modification when the piping is not cut to exact size.

Suggested uses: awning pipe frames.

Item #	Style #	For	Number Of Set Screws	Reducing For Pipe Size	Standard Package
130580	280	1 in. OD tubing, 3/4 in. ID pipe	1 set screw, 1 bolt, 1 nut	3/4 in. pipe	25
130581	281	1-1/4 in. OD tubing, 1 in. ID pipe	1 set screw, 1 bolt, 1 nut	1 in. pipe	25
130582	282	1-1/4 in. OD tubing, 1 in. ID pipe / 1 in. OD tubing, 3/4 in. ID pipe	1 set screw, 1 bolt, 1 nut	3/4 in. pipe	25



112501



112505

Awning Hardware – Head Rod Clamp – Zinc Die Cast

A fixture designed for attaching the head rod of an awning to various building surfaces, as well as providing hooks for hanging awning pulleys. GEOMET® plated, zinc die-cast with stainless steel fasteners.



112504



112509

Item #	Style #	For	Size Head Rod	Standard Package
112504	4	Wood	1/2 in. diameter iron	25
112509	6	Wood	1/2 in. diameter iron	25
112501	1	Wood	3/8 in. diameter iron	25
112505	5	Wood	3/8 in. diameter iron	25

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112630

Awning Hardware – Head Rod Clamp – Narrow Base Type – Zinc Die Cast

A fixture designed for attaching the head rod of an awning to various building surfaces, as well as providing hooks for hanging awning pulleys. One countersunk hole for wood screw provides quick and solid installation. GEOMET® plated, zinc die-cast with stainless steel machine bolt and wing nut.

Item #	Style #	Size Head Rod	Standard Package
112630	30Z	1/2 in. diameter iron	25

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112510

Awning Hardware – Head Rod Clamp – Roller Curtain Type – Malleable Iron

A fixture designed for attaching the head rod of an awning to various building surfaces, as well as providing hooks for hanging awning pulleys. Fastens on inside of porch so that pulleys and pull ropes are on inside of curtain. Can be attached to either face board or ceiling. Plated, malleable iron with stainless steel fasteners.



112521

Item #	Style #	For	Size Head Rod	Standard Package
112510	10	Brick	3/8 in. or 1/2 in. diameter iron	25
112521	21	Wood	3/8 in. or 1/2 in. diameter iron	25



281510

Awning Hardware – Head Rod Clamp – For Brick Or Stone – Aluminum

Furnished with hole for 3/8 inch diameter lag. Includes machine screw and wing nuts.

Item #	Style #	For	Standard Package
281510	10A-4	1/2 in. rod	25



281501

Awning Hardware – Head Rod Clamp – For Wood – Aluminum

Furnished with two countersunk holes to accommodate No. 10 wood screws. Includes machine screw and wing nuts.



281505

Item #	Style #	For	Standard Package
281501	03	3/8 in. rod	25
281505	5A-1	3/8 in. rod	25
281506	6A-2	1/2 in. rod	25



140104

Awning Hardware – Rod And Rafter Holder No. 4

Rod and rafter holders are designed for attaching heads and rafters of patio or stationary awnings, eliminating the need for separate clamps for head rod or hinges for the rafters. Made of GEOMET® plated, malleable iron. Furnished with stainless steel machine bolt and wing nut to hold the head rod, machine screw and square nut, for fastening the rafter.

A combination fixture for application on brick, wood or concrete. It has two countersunk holes for wood screws. There is also a hole for a 5/16 inch or 3/8 inch lag screw. The No. 4 Rod and Rafter Holder is especially suitable for application and installation on narrow trim boards.

Item #	Style #	Size Head Rod	Standard Package
140104	4	1/2 in. diameter iron	25

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284093

Awning Hardware – Bracket Hinge – Aluminum

This helpful hinge bracket is made from durable aluminum for ultimate strength. Used on wood, the mounting bracket features two countersunk holes for wood screws. The fitting is furnished with a machine screw. Also available in plated, die-cast zinc (#138615).

Item #	Style #	Projection	Size	Standard Package
284093	OBA-3	1 in.	1/4" x 7/8" hinge screw	25



157500

Awning Hardware – Swivel Eye Pulley – Stamped Aluminum

Stamped aluminum with an aluminum pin. Rustproof with smooth rounded top section housing to keep swivel eye from contact with rope. ABS plastic sheaves rotate freely on aluminum rivet.

Item #	Style #	Rope Diameter	Sheave Diameter	Standard Package	Style Sheave
157500	60	1/8 in.	1/2 in.	100	Single
157501	61	3/16 in.	5/8 in.	100	Single
157502	62	3/16 in.	27/32 in.	100	Single



113234

Awning Hardware – Slip-Fit Tie Down Clamp – Steel

This Slip-Fit tie down clamp is made from plated, stamped steel with a stainless-steel bolt and hex nut. Tie down clamps are designed to eliminate pocketing of rainwater on stationary or terrace awnings. Their use permits fixed awning covers to be drawn taut. Assembly can be made quickly on new or old awning frames. Also available in aluminum.



113235

Slip-Fit hardware supply a labor and time-saving means to build awnings. No threading is needed as they just slide on or over the piping frame. They allow rapid modification when the piping is not cut to precise size.

Suggested uses: awning pipe frames for fixed awnings.

Item #	Style #	For	Front Bar Size	Standard Package
113233	33	1 in. OD Tubing, 3/4 in. ID Pipe	3/4 in. pipe	25
113234	34	1-1/4 in. OD Tubing, 1 in. ID Pipe	1 in. pipe	25
113235	35	1-1/2 in. OD Tubing, 1-1/4 ID Pipe	1-1/4 in. pipe	25



266678

Awning Hardware – Pulley – Malleable Iron

Plated malleable iron.

Item #	Style #	Rope Diameter	Standard Package	Style Sheave
266678	5	3/8 in.	25	Single



284106

Awning Hardware – Rod And Rafter Holders – Dual Duty – Aluminum

Made to take 1/2 inch head rod. Designed to mount with either wood screws or lag bolt. Furnished with machine screws and wing nut.

Item #	Style #	For	Standard Package
284106	99A-99	1/2 in. rod	25



281700

Awning Hardware – Slip-Fit Tie Down Clamp – Aluminum

Slip-fit tie down clamps help prevent water pockets from forming behind the front bar. This aluminum clamp fastens to the front bar and holds a 3/8-inch pipe or 5/8-inch rod. It is furnished with a stainless steel machine bolt and hex nut. Also available in steel.

Slip-Fit hardware provide a time and labor-saving method to mount awnings. No threading is needed as they simply slip on or over the pipe frame. They permit rapid modification when the piping is not cut to precise length.

Suggested uses: awning pipe frames.

Item #	Style #	For	Number Of Set Screws	Standard Package
281700	77	1 in. OD tubing, 3/4 in. ID pipe	1 bolt with nut	25
281699	78	1-1/4 in. OD tubing, 1 in. ID pipe	1 bolt with nut	25



284103

Awning Hardware – Rod And Rafter Holders – For Brick Or Wood – Aluminum

Rod and Rafter Holders furnished with machine screws and wing nut. Also available in iron.

Item #	Style #	For	Standard Package
284103	3A-89	1/2 in. rod	25



287803

Awning Hardware – Slip-Fit Adjustable Post Socket – For Brick – Aluminum

This Slip-Fit adjustable post socket is furnished with a square head set screw for slip-fit installation. Made from stable aluminum, it is ideal for use on brick. Also available in malleable iron.

Slip-Fit fittings provide a time and labor-saving means to mount awnings. No threading is required as they simply slide on or over the piping structure and are tightened with a stainless steel set screw. They permit quick modification when the piping is not cut to precise size.

Suggested uses: awning pipe frames.

Item #	Style #	For	Number Of Set Screws	Standard Package
287803	3A-205L	1 in. OD tubing, 3/4 in. ID pipe	1	25
287804	4A-206L	1 in. OD tubing, 3/4 in. ID pipe	1	25



162703

Awning Hardware – Slip-Fit Adjustable Post Socket – For Brick – Malleable Iron

This Slip-Fit adjustable post socket is furnished with two lag screw holes for attaching to brick. It is made from plated, malleable iron and comes with a stainless steel set screw. Also available in aluminum.

Slip-Fit fittings provide a labor and time-saving means to install awnings. No threading is required as they just slide on or over the pipe structure. They allow fast adjustment when the piping is not cut to exact length.

Suggested uses: awning pipe frames.

Item #	Style #	For	Number Of Set Screws	Size Post	Standard Package
163703	3	1 in. OD tubing, 3/4 in. ID pipe	1		25
163719	4	1-1/4 in. OD Tubing, 1 in. ID pipe		1 in. pipe	25

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163718

Awning Hardware – Slip-Fit Adjustable Post Socket – For Wood – Malleable Iron

This Slip-Fit adjustable post socket is furnished with four wood screw holes for attaching to wood. It is made from plated, malleable iron and comes with a stainless steel set screw.

Slip-Fit hardware supply a labor and time-saving way to build awnings. No threading is needed as they merely slip on or over the piping structure and are tightened with a set screw. They permit quick adjustment when the piping is not cut to specific length.

Suggested uses: awning pipe frames.

Item #	Style #	For	Size Post	Standard Package
163718	2	1-1/4 in. OD Tubing, 1 in. ID pipe	1 in. pipe	25

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215020

Awning Hardware – Slip-Fit Coupling – Malleable Iron

This Slip-Fit coupling is made from galvanized, malleable iron and comes with set screws.

Slip-Fit hardware provide a labor and time-saving way to build awnings. No threading is required as they just slide on or over the piping frame and are tightened with set screws. They allow fast modification when the piping is not cut to precise size.

Suggested uses: awning pipe frames.

Item #	Style #	Finish	For	Material	Number Of Set Screws	Standard Package
215020	14-6	Galvanized	1-1/4 in. OD tubing, 1 in. ID pipe	Galvanized Malleable Iron	2	25

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174377

Awning Hardware – Slip-Fit Tee – Malleable Iron

This Slip-Fit tee is made from plated, malleable iron. A special cast lip on the inside of the tee prevents the inserted pipe from interfering with the pipe crossing in the other direction. It is furnished with set screws.

Slip-Fit hardware provide a labor and time-saving way to install awnings. No threading is required as they simply slide on or over the pipe structure and are tightened with stainless steel set screws. They allow quick adjustment when the pipe is not cut to exact length.

Suggested uses: joining upright posts to front bars, joining rafters to front bars, joining special types of frames (such as carports, carnival booths, etc.).



274030

Item #	Style #	Description	Extension	For	Front Bar Size	Number Of Set Screws	Standard Package
174377	277	Includes stainless steel screws	3/4 in. pipe	1 in. OD tubing, 3/4 in. ID pipe	3/4 in. pipe	2	25
174380	279	Includes stainless steel screws	1 in. pipe	1-1/4 in. OD tubing, 1 in. ID pipe	1 in. pipe	2	25
274030	25-7	Includes screws	1-1/4 in. pipe	1-1/2 in. OD tubing, 1-1/4 in. ID pipe	1-1/4 in. pipe	3	10

274030 - Hot dip galvanized – does not have cast lip, with socket head screw.

Slip Tee

Plated, malleable Iron. The run is not threaded and can be slipped over the front bar. The extension outlet is tapped.



173604

Item #	Style #	Description	Extension Bar Threaded	Front (Slip Fit)	Standard Package
173504	4	Without set screws	3/4 in. pipe	3/4 in. pipe	25
173604	4	With stainless steel set screws	3/4 in. pipe	3/4 in. pipe	25

Awning Hardware – Slip-Fit Rafter And Upright Tees

This Slip-Fit rafter features upright tees. It is designed for quick and efficient installation at the rafter and front bar. Connect No. 600 and No. 601 slip tees to create corners. Used with 1-inch Schedule 40 piping, they are adjustable to 90°. Use interchangeable No. 600's together for other areas. They are furnished with stainless-steel set screws.

Slip-Fit hardware offer a time and labor-saving method to mount awnings. No threading is necessary as they simply slide on or over the pipe frame and are tightened with set screws. They allow rapid adjustment when the pipe is not cut to exact size.

Suggested uses: awning pipe frames.



288144



288147

Item #	Style #	For	Number Of Set Screws	Standard Package
288144	600	1-1/4 in. OD tubing, 1 in. ID pipe	3	25
288147	601	1-1/4 in. OD tubing, 1 in. ID pipe	2	25

Awning Hardware – Spear Head

Made of ductile iron and available in plain or plated finish.



138102

Item #	Style #	Description	Size	Standard Package	Threaded For Size
138002	2	Plain	9-1/2 in.	25	1/2 in. pipe
138102	2	Plated	9-1/2 in.	25	1/2 in. pipe



283902

Awning Hardware – Spear Head – Aluminum

Spear head with male threaded ends.

Item #	Style #	Length	Standard Package	Threaded For Pipe Size
283902	2A-103	8-1/2 in.	25	1/2 in. male thread



112833

Awning Hardware – Pipe Clamp – Wrought Steel

Designed for a carriage bolt to prevent bolt head from turning when nut is tightened. Plated. Includes stainless steel bolt unless stated otherwise.

Item #	Style #	Description	Bolt Size	For	Standard Package
112833	43	Bolt excluded	5/16 in.	1 in. OD Tubing, 3/4 in. ID Pipe	25
112834	44	Bolt excluded	5/16 in.	1-1/4 in. OD Tubing, 1 in. ID Pipe	25
112842	42	Bolt included	5/16 in.	3/4 in. OD Tubing, 1/2 in. ID Pipe	25
112843	43	Bolt included	5/16 in.	1 in. OD Tubing, 3/4 in. ID Pipe	25
112844	44	Bolt included	5/16 in.	1-1/4 in. OD Tubing, 1 in. ID Pipe	25
112849	44	Bolt included	3/8 in.	1-1/4 in. OD Tubing, 1 in. ID Pipe	25



138615

Awning Hardware – Bracket Hinge

Plated, die-cast zinc. Furnished with stainless steel machine screw and hex nut. Also available in aluminum.

Item #	Style #	Projection	Size	Standard Package
138615	O-B	1 in.	1/4"-20 x 1-1/8" slot Phillips-head drive with 1/4"-20 nut	25



138737

Awning Hardware – Camelback Hinge – Zinc Die-Cast

Plated, zinc die-cast. Fastens the projection arms of awning frames to a building. Furnished with stainless steel machine screws.
No. 11 is identical in design to the No. 2, but has a round head shoulder screw with "pilot" for holding No. 1 Sheet Brass Grommets.

Item #	Style #	Projection	Standard Package
138737	11	11/16 in.	25
238020	2	11/16 in.	25



238020



263913

Awning Hardware – Round Head Machine Screw

Item #	Description	Finish	For	Material	Size	Standard Package
263913	Round Head Shoulder Screw	Plated	No. 11 and C.B. Hinge		12-24 x 7/8 in.	100
263923	Round Slotted Head Screw		No. 2 C.B. Hinge, No 34. S.S. Hinge	Stainless Steel	12-24 x 3/4 in.	100



263923



139180

Awning Hardware – Extra Projection Hinge

Made of plated, malleable iron and furnished with a stainless steel machine screw.

Item #	Style #	Projection	Standard Package
139180	15	1-1/2 in.	25



139064

Awning Hardware – Hinge – Stamped Steel

Plated. Furnished with machine screw.

Item #	Style #	Gauge	Standard Package
139064	34	14	25



124504

Awning Hardware – Jaw End With Lag Screw

Used to attach awning frame to a brick surface. Furnished with machine screw and hex nut. Projection is from shoulder of jaw to center of bolt hole in jaw.

Item #	Style #	Jaw Opening	Lag Screw Size	Material	Projection	Standard Package	Use Expansion Shield
124504	4	7/16 in.	3/8 in. x 2-1/2 in.	Aluminum Extrusion	1-1/2 in.	25	3/8 in. x 2 in.



147002

Worm Gear Attachments – Universal Or Knuckle Joint

Used for connecting worm gear drive shaft or for splicing two drive shafts. Made of GEOMET® plated, malleable iron sockets with steel, square knuckles.

Item #	Style #	For	Standard Package
147002	2	3/4 in. x 3/4 in. iron	25

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126001

Worm Gear Attachments – Winding Shaft Eye

Reinforced, cadmium plated, malleable iron eye, easily attaches to winding shaft with M6 (metric) bolt.

Item #	Style #	For	Standard Package
126001	1	1/2 in. iron	25
126002	2	5/8 in. iron	25
126003	3	3/8 in. pipe	25



158342

Pulley – Stamped Steel – Swivel Eye

ABS Plastic Single Sheave. Full-bearing, with heavy wire, open end swivel eyes that function smoothly. Sheaves prevent rope from being cut or frayed. Plated.

Item #	Style #	Rope Diameter	Sheave Diameter	Standard Package	Style Sheave
158340	50	1/8 in.	1/2 in.	25	Single
158341	100	3/16 in.	5/8 in.	25	Single
158342	300	1/4 in.	1 in.	25	Single



256102



256103

Pulley – Swivel Eye

Made with high grade cast iron swivel eyes and bodies, steel rivets and steel sheaves. Nickel-plated and lacquered for extra rust protection.

Item #	Style #	Rope Diameter	Sheave Diameter	Standard Package	Style Sheave
256103	1	5/32 in.	3/4 in.	25	Single
256104	2	5/32 in.	3/4 in.	25	Double
256105	3	1/4 in.	1 in.	25	Single
256106	3/0	1/8 in.	1/2 in.	25	Single
256107	4/0	1/8 in.	1/2 in.	25	Double
256101	5	3/16 in.	1-1/4 in.	25	Single
256102	6	3/8 in.	1-1/2 in.	25	Double



274819

Tip – Rubber

Eliminates damage or wear on fabric end curtains of patio awning where a Tie-Down Bar is used. Slips over ends of pipe used on roller curtains, to prevent end of pipe from chafing side of house. Can also be used on mooring poles to prevent marring boat floor.

Item #	Style #	Description	Color	For	Standard Package
476095	18	Tip with Stud	White	3/4 in. tubing	1
274817	17	Tip	Black	5/8 in. tubing, 3/8 in. pipe	10
274819	19	Tip	Black	7/8 in. tubing, 1/2 in. pipe	10
274815	18	Tip	White	3/4 in. tubing	10
274816	17	Tip	White	5/8 in. tubing, 3/8 in. pipe	10
274818	19	Tip	White	7/8 in. tubing, 1/2 in. pipe	10



206861

Track – Steel Curtain Track System – 16 Gauge – Ceiling Support Brackets

This 16 gauge galvanized steel system includes a range of products that suspend and anchor the curtain system, as well as a variety of trolleys that allow the curtains to roll.

Track can be attached to the ceiling support hardware either before or after it is secured to the ceiling. There are no screws or nuts to hold the track in place protruding above the mounting plates. This eliminates the need for spacers or clearance holes in the ceiling. Ceiling support mounting plates (except the 16TBC, item# 206861) have bosses to lock the track in the ceiling support mounting hardware.

Item #	Style #	Description	Gauge	Standard Package
206861	16TBC	Ceiling Bracket	16	10
206865	16TSC	Ceiling Bracket	16	10



206854

Track – Steel Curtain Track System – 16 Gauge – Curved Track

The standard curved track has end connectors for securing to adjacent sections of the roller track. The standard curve has a two-foot 90-degree radius.

Item #	Style #	Description	Gauge	Material	Standard Package
206854	16CT	Curved Track – 90 degree 2 ft. radius	16	Galvanized Steel	25

Track – Steel Curtain Track System – 16 Gauge – End Stops

End stops are used to prevent trolleys from rolling out of the ends of the track system.



206856

Item #	Style #	Gauge	Standard Package
206856	ES	16	50

Track – Steel Curtain Track System – 16 Gauge – Industrial Curtain Trolley

This 16-gauge galvanized steel system includes a range of products that suspend and anchor the curtain system. A variety of trolleys enable the curtains to roll smoothly.

The track can be attached to the ceiling support hardware either before or after it is secured to the ceiling. No screws or nuts are needed to hold the track in place above the mounting plates. This eliminates the need for spacers or clearance holes in the ceiling. Ceiling support mounting plates (except item# 206861) have bosses to lock the track into the hardware.

Create partitions and privacy with Trivantage® curtain trolley systems.



206834



206868



206869



206867



206839



206866

Item #	Style #	Description	Bolt Size	Diameter Hole	Standard Package
206834	B3491-10	Overlapping Trolley with Steel Wheels and Pull Rope – 10 ft.			1
206868	16NR1B	Trolley with Bumper, 2 Nylon Wheels, 1" Hook			1
206867	16STS-4	Trolley with Bumper, 4 Steel Wheels, 1 in. Bolt 3/8-16 Thread	1 in. 3/8-16 Thread		10
206878	16STS-4	Trolley with Bumper, 4 Steel Wheels, 4 in. Bolt 3/8-16 Thread	4 in. 3/8-16 Thread		10
206839	B3427-10	Trolley with Pull Rope – 10 ft.			1
206866	16NR1	Trolley, 2 Nylon Wheels, 1" Hook			5
206835	16NR-1/2	Trolley, 2 Nylon Wheels, 1/2" Hook			1
206844	16SR1	Trolley, 2 Steel Wheels, 1" Hook			1
206877	16SR	Trolley, 2 Steel Wheels, 1-1/2" Height Plate		0.38	1
207880	16SR2-1/2(1/4)	Trolley, 2 Steel Wheels, 2-1/2" Hook, 1/4" Rivet			1
206845	16OT	Trolley, 4 Steel Overlapping Wheels, 2 1" Hooks			1
206870	16ST1	Trolley, 4 Steel Wheels, 1" Hook			1
206881	16ST	Trolley, 4 Steel Wheels, 2-3/4" Wide Plate, 1-1/2" Height Plate		0.38	1

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Track – Steel Curtain Track System – 16 Gauge – Roller Track

The roller track is roll formed from 16 gauge hot dipped galvanized steel. The trolley wheels roll on the track floor between the outside track wall and the inside safety flange. The ends of the track are punched so that the track splices can lock two adjoining track ends together.



206852

Item #	Style #	Gauge	Length	Material	Standard Package
206851	16RT-120	16	10 ft.	Galvanized Steel	250
206852	16RT-240	16	20 ft.	Galvanized Steel	200



207881



206863

Track – Steel Curtain Track System – 16 Gauge – Track Splice

The track splice is used to secure two straight sections of track together.

Item #	Style #	Description	Gauge	Material	Standard Package
207881	16TSEC	Edge Clamp	16	Galvanized Steel	1
206863	16TSWMD	Splice Wall Mount Down – 4 in.	16	Galvanized Steel	10
206850	16TSWМУSS	Splice Wall Mount Up – 4 in.	16	Stainless Steel Type 304	10
206864	16TSWMU	Splice Wall Mount Up – 4 in.	16	Galvanized Steel	10
206840	16TSTR	Splice with Angle Bracket	16	Galvanized Steel	1
206855	16TS	Splice – 4 in. with 2 Set Screws	16	Galvanized Steel	10



206859



206833



206841



206862

Track – Steel Curtain Track System – 16 Gauge – Wall Mount And End Mount Brackets

Wall mount and end mount brackets are used when the track system is running adjacent to a wall.

Item #	Style #	Description	Gauge	Standard Package
206859	16EMD	End Mount Down	16	10
206860	16EMU	End Mount Up	16	10
206833	16TBATR	Right Angle Threaded Rod Bracket	16	1
206841	16TBTR	Threaded Rod Bracket	16	1
206862	16TBV	Vertical Bracket	16	10
206857	16TBWMD	Wall Mount Down	16	10
206858	16TBWMU	Wall Mount Up	16	10



260981

Porcelain Rings

Porcelain Rings are manufactured with a strong and smooth finish for longer rope life.

Item #	Style #	Approximate Inside Diameter	Approximate Outside Diameter	Color	Size	Standard Package
260981	1	3/4 in.	1-5/8 in.	Gray	Small	25
260982	2	1 in.	2 in.	Gray	Medium	25



117201

Ring Clips

Item #	Style #	Finish	Standard Package	Thickness	Type	Width
117203	1	Plated Steel	25	0.049 in.	Heavy	15/64 in.
117201	2	Plated Steel	25	0.035 in.	Standard	5/32 in.
117205	3	Stainless Steel	25	0.035 in.		5/32 in.



212610

Chain – Double Loop Steel

This galvanized steel chain is ideal for application in awning curtain pockets as a “weight” to prevent curtain from flapping in the wind. Also, practical for supporting “hanging canopies” and “stationary awnings”, or as a chain lift on slide rod awnings, etc. Flexible and strongly made, heavy and of rigid galvanized steel wire.

Item #	Style #	Standard Package
212610	1/0	100 ft.



214201

Cleat – Awning

These rope cleats offer strong and durable design for outdoor use.

Item #	Style #	For	Length	Material	Number of Holes	Standard Package
214201	1	No. 8 wood screw	4-1/2 in.	Zinc Die-Cast	2	25
266676	2	No. 10 wood screw	6 in.	Zinc Die-Cast	2	100



249614

Curtain Loop – Shower/Bath

Nickel plated steel.

Item #	Style #	Size	Standard Package
249614	30570	1 in.	25



294650

Hook – Roller

Simple, sturdy, friction-free hooks for hanging and transporting the heaviest of industrial curtain materials on 3/4-inch or 1-inch pipe. Curtains can be run as long as necessary. Turn corners or form a complete enclosure. These hooks are weatherproof for indoor or outdoor use.

Support brackets can be easily formed from a 1/2-inch diameter rod and should be inserted into hold drilled in the bottom of the pipe for track support.

Item #	Style #	Size	Size Opening	Standard Package
294650	101	2 in. x 3-5/8 in. Hook	3/4 in. or 1 in. pipe	25



Eggcrate louvers have a perimeter which allows continuous appearance mounting by overlapping factory edges.

Fluorescent Eggcrate Louvers

Eggcrate louvers have a perimeter which allows continuous appearance mounting by overlapping factory edges. UV resistant.

Sold by full case only. Cannot ship UPS.

Item #	Style #	Cell Size	Color	Material	Put Up	Standard Package
249700	10	1/2 in. x 1/2 in. x 1/2 in.	White	Acrylic	10/case	1
249705	14	1/2 in. x 1/2 in. x 3/8 in.	White	Acrylic	15/case	1
249710	20	1/2 in. x 1/2 in. x 1/2 in.	White	Styrene	10/case	1
249720	24	1/2 in. x 1/2 in. x 3/8 in.	White	Styrene	15/case	1



107602



107610



107604

Bracket – Z

Awning frames can be easily mounted to the wall using our wide array of Z-Brackets. Z-Brackets are made from 1/8" standard or 3/16" heavy duty hot rolled steel. All Z-Brackets are zinc plated and can be powder coated or painted. Each comes with a 3/8" lag hole and a variety of Tek® screw holes. The 1/8" standard thickness Z-Brackets are manufactured with a gusset to provide additional strength.

Item #	Length	Round Tube Size	Square Tube Size	Standard Package	Thickness	Type	Width
107613	3 in.	2 in.	2 in.	100	1/8 in.	Large	1.5 in.
206805	1.5 in.	1 in.	1 in.	100	1/8 in.	Large	1-1/2 in.
107610	1 in.	1 in.	1 in.	50	3/16 in.	Mini	1 in.
107611	4.5 in.	1 in.	1 in.	100	1/8 in.	Large	1-1/2 in.
107604	1.5 in.	1 in.	1 in.	100	1/8 in.	Small	1.5 in.
107612	3 in.	1.5 in.	1.5 in.	100	1/8 in.	Large	1.5 in.
107602	4 in.	1 in.	1 in.	50	3/16 in.	Medium	1 in.
107614	3 in.	1-1/4 in.	1-1/4 in.	100	1/8 in.	Large	1.5 in.

Teks® is a registered trademark of Illinois Tool Works, Inc.



107632

Bracket – L

Made from 3/16 inch hot rolled steel. Two holes spaced equally for lagging into mortar are provided to secure bracket to wall. There is also a 3/16 inch hole to accommodate a Tek® screw for fastening the frame. Will accommodate a 3/8 inch lag screw.

Item #	Finish	Square Tube Size	Standard Package	Type
107632	Zinc Plated	1 in. or 3/4 in.	100	Large

Teks® is a registered trademark of Illinois Tool Works, Inc.



244518

Head Rod – Electro-Galvanized

In the bending process of making awning frames, this awning iron will not break when bent to right angles. The zinc plating will not chip or flake off during bending. Drawn to full sizes, the iron threads easily and exactly for perfect fitting with pipe-threaded frame fixtures. Also used for lacing and tie down bars, and in conjunction with head rod molding.

Item #	Diameter	Length	Number of Pieces Per Bundle
244516	3/8 in.	20 ft.	17
244518	1/2 in.	20 ft.	12
244520	5/8 in.	20 ft.	5

Head Rod – Fiberglass

Item #	Color	Number of Pieces Per Bundle	Size	Standard Package
244616	White	5	3/8 in. x 20 ft.	100 ft. bundle
244625	White	15	1/2 in. x 20 ft.	300 ft. bundle



555 180° open molding



555 90° open molding



555 curved molding



777 molding

Molding – Aluminum Awning

A fast and easy way to install covers. Mill finish, all-aluminum molding that remains in place all year. 6063-T6 aluminum. Cover slides into place easily. 1/4 inch rope is sewn into hem at top of cover. Then, the rope-filled hem slips into the channel of the molding. Allows for easy installation and removal. PE Tubing, Vinyl Welt, or 8.5 m Keder Welt can also be used.

Product is also commonly known as “trailer” molding.

No. 555 Moldings are lighter in weight than No. 777, and are flexible enough to form and bend to varying shapes. Recessed mounting face conforms readily to uneven surfaces.

Item #	Style #	Degree of Channel	Flange Size	Length	Rope Size	Standard Package	Thickness
251072	555	180°	0.600 in.	7.5 ft.	1/4 in.	9	3/64 in.
251063	555	180°	0.600 in.	18 ft.	1/4 in. in hem	12	3/64 in.
251067	777	45°	~0.500 in.	18 ft.	1/4 in. in hem	9	3/64 in.
251074	777	45°	~0.500 in.	7.5 ft.	1/4 in. in hem	9	3/64 in.
251073	555	90°	0.600 in.	7.5 ft.	1/4 in.	9	3/64 in.
251068	555	90°	0.64 in.	20 ft.	1/4 in. in hem	42	3/64 in.



578004

Welting – Vinyl

Use in place of rope headers on awnings that attach to motor homes, travel trailers, campers and other recreational vehicles. Can be used in conjunction with aluminum awning molding or with the extruded channel already provided by many of the RV manufacturers.

Item #	Style #	Color	Put Up	Size
578003	A02-002	White	300 ft.	31/32 in. with 5/16 in. bead
578004	A02-004	Black	300 ft.	31/32 in. with 5/16 in. bead
578098	6022	Black	100 ft.	31/32 in. with 5/16 in. bead

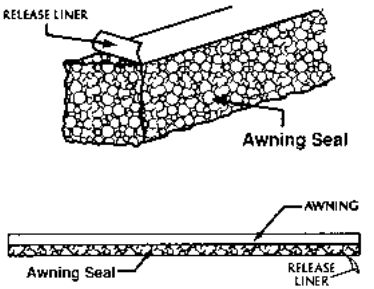


265757

Emseal UST Awning/Sign Sealant Tape

Why spend time caulking behind awning frames and suffer the frustration of messy jobs, dripped caulk and caulking in bad weather, when all you have to do is apply Awning Foam Sealant to the frame before it's hoisted on the wall?

Available in dimensions to fit most building surfaces, this self-expanding polyester polyurethane foam is filled with water-based stabilized acrylics and will not dry out, shrink or deteriorate when compressed and properly installed. Just peel off the release liner and apply the adhesive side to the back of the awning. This is a continuous seal that is easy to install at ground level, thus providing a safer and more efficient installation atmosphere.



Item #	Building Surface	Size	Standard Package
265757	Commercial Grade Corrugated Metal	5/16 in. x 3/4 in. x 13.12 ft.	1
265756	Split Block	11/32 in. x 3/4 in. x 13.12 ft.	1
265755	Stucco, Block, Brick	5/32 in. x 5/8 in. x 26.24 ft.	1



578054

Xtreme Seal® Awning Seal

Awning installations are a breeze with Xtreme Seal Awning Seal. Designed for the awning industry as a gasket material between the frame and the mounting surface, Xtreme Seal Awning Seal conforms to the contour of the mounting surface, eliminating the need for silicone and providing a clean finished product. Made of EPDM synthetic rubber, Xtreme Seal Awning Seal also features an adhesive back, saving time and making mounting easy. Sold in full rolls only.

Item #	Style #	Color	Put Up
578054	POD-AW	Black	250 ft.

Xtreme Seal® is a registered trademark of Xtreme Seal LLC.



578059

Tubing “PE” – Low-Density Polyethylene

Polyethylene tubing for use in the head of awnings, and for marine and tonneau covers when using aluminum awning rail. Will not rot, absorb water, shrink, or unravel.

Item #	Style #	Put Up	Size
578059	PEH8321000-6-SP	1000 ft.	1/4 in. OD x 1/8 in. ID

Molding – Head Rod Molding No. 35/37

For installations at the head of stationary or patio awnings and for installation and adjustment of the rafters of patio awnings. Extruded from 6063-T6 aluminum - mill finish.

Nos. 35 and 37 Head Rod Moldings are designed for use with a 1/2 inch diameter conventional head rod to eliminate the awkward job of threading a rope-filled hem through a slot in the molding. The head rod is merely placed in position and finger clips are tightened to hold the head of the awning under the rainproof lip of the molding. The finger clips ride in a track in the molding and can be adjusted to move laterally right or left.

The advantage of this system is that rafters can be placed precisely, even if the surface is uneven or the mounting supports are not located where the rafters should be, because once the molding is mounted, the rafters can be slid to their proper location.

Recommended rafter spacing is 1 1/2 feet in from each side, and then 3 feet to 4 feet centers depending on projection (the longer the rafters, the less the spacing). Awning rafters are attached to special jaw ends that are mounted in a track in the lower side of the molding. The jaw ends can be moved laterally to adjust the rafter width. This is done by turning or tightening the jaw end, which is fitted with a carriage bolt to ride in the same track as the finger clip.

The molding itself is designed so that a bead of caulking compound can be applied to the top length of the molding to prevent water from leaking behind the molding and down the wall.

The No. 35 Molding has the same basic design as the No. 37, but is 25% lighter in weight, with approximately 90% of the No. 37's strength. The No. 37 Finger Clip, No. 37W Jaw End and 1/2 inch Head Rod Clamp can be used with the No. 35 Molding without alteration.



117139



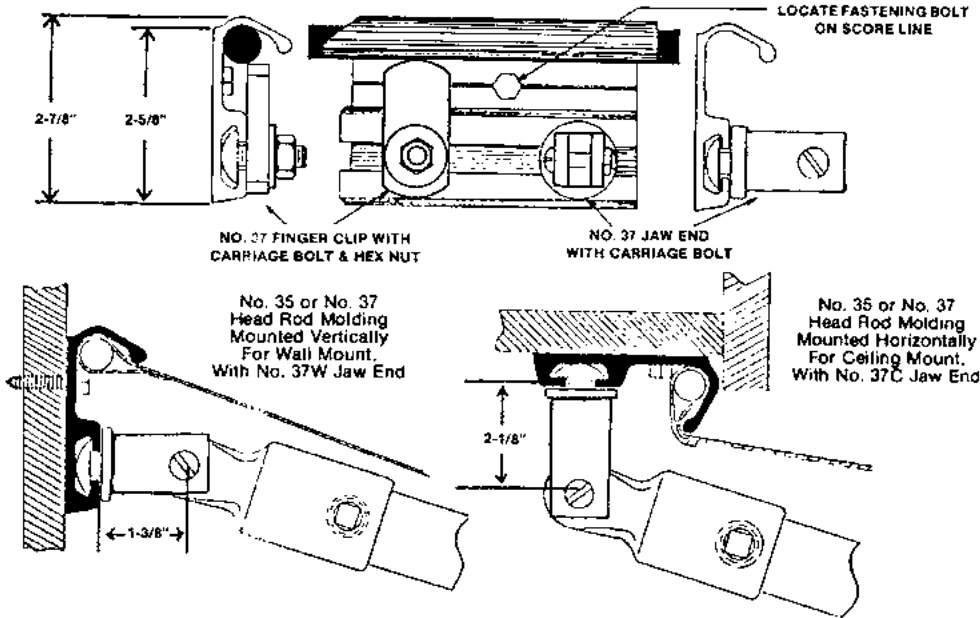
124538



124540

Item #	Style #	Description	Length	Standard Package
117139	37	Finger clip assembly. Stainless steel carriage bolt, machine screw, hex nut and washers.		25
124538	37C	Jaw end with stainless steel carriage bolt, machine screw, hex nut and washers.		25
124540	37W	Jaw end with stainless steel carriage bolt, machine screw, hex nut and washers.		25
251043	35	Molding	20 ft.	160 ft.
251040	37	Molding	20 ft.	160 ft.

Trivantage® is a registered trademark of Glen Raven, Inc.



For Face or Under Eave Mounting



Tubing – Aluminum Square And Rectangular

Square and rectangular 6063-T6 extruded mill finish aluminum tubing for awning framing and sign boxes. Both forms are lightweight, and corrosion resistant, offering the best combination of strength, bending and welding characteristics.

Item #	Length	Size	Standard Package
275921	20 ft.	1 in. x 1 in. x 0.060	300 ft.
275922	24 ft.	1 in. x 1 in. x 0.060	288 ft.
275923	20 ft.	1 in. x 1 in. x 0.125	300 ft.
275924	24 ft.	1 in. x 1 in. x 0.125	288 ft.
275926	20 ft.	1 in. x 2 in. x 0.060	300 ft.
275925	20 ft.	1 in. x 2 in. x 0.125	300 ft.

Ceiling Panel Support Members



SMP-2B



SMP-2C



SMP-2BS



SMP-3CP

Channeled Stapling Members



SMP-1B



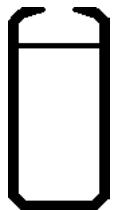
SMP-1C



SMP-1CD



SMP-22B



SMP-8C



SMP-8B

Support Members



SMP-4B



SMP-4C



SMP-6



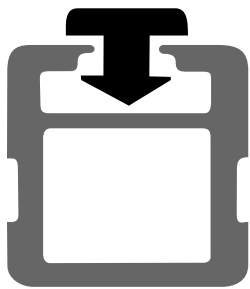
SMP-7

Steel Stitch™ Aluminum Extrusion

The Steel Stitch System offers flexibility in design and fabrication of interior and exterior awnings, canopies and back-lit signs. The aluminum alloy 6063-T5 mill finish frame system utilizes the "staple-in" method of attaching fabric, which is taken directly from the roll and stapled into a channel in the frame. A PVC finishing trim, in a choice of 30 colors plus Crystal Clear, is then driven into the channel to cover the staples. With the use of divider strips to join sections and the exclusive, patented FlashStrip®, which forms a watertight seal against building surfaces, the result is an attractive, seamless and wrinkle-free awning, canopy or sign.

Item #	Style #	Description	Feet Per Bundle	Length	Size	Standard Package
250084	SMP-6	Aluminum Bar	200 ft.	20 ft.	1 in. x 3/16 in.	200
250086	SMP-7	Aluminum Rod	200 ft.	20 ft.	1/2 in. OD	200
250055	SMP-1CD	Tube	250 ft.	25 ft.	1 in. x 1 in. x 0.090 in.	250
250076	SMP-4C	Tube	200 ft.	20 ft.	1 in. x 1 in. x 1/10 in.	200
250054	SMP-1C	Tube	250 ft.	25 ft.	1 in. x 1 in. x 1/10 in.	250
250078	SMP-4C	Tube	250 ft.	25 ft.	1 in. x 1 in. x 1/10 in.	250
250074	SMP-4B	Tube	200 ft.	20 ft.	1 in. x 1 in. x 1/8 in.	200
250052	SMP-1B	Tube	250 ft.	25 ft.	1 in. x 1 in. x 1/8 in.	250
250064	SMP-2C	Tube	250 ft.	25 ft.	1 in. x 1-3/4 in. x 1/10 in.	250
250062	SMP-2BS	Tube	250 ft.	25 ft.	1 in. x 1-3/4 in. x 1/8 in.	250
250058	SMP-2B	Tube	250 ft.	25 ft.	1 in. x 1-3/4 in. x 1/8 in.	250
250091	SMP-8C	Tube	250 ft.	25 ft.	1 in. x 2 in. x 1/10 in.	250
250090	SMP-8B	Tube	250 ft.	25 ft.	1 in. x 2 in. x 1/8 in.	250
250068	SMP-3CP	Tube	200 ft.	20 ft.	1 in. x 2-1/2 in. x 1/10 in.	200
250097	SMP-15B	Tube	150 ft.	25 ft.	1-1/2 in. x 1-1/2 in. x 1/8 in.	150
250099	SMP-22B	Tube	150 ft.	25 ft.	2 in. x 2 in. x 1/8 in.	150

Steel Stitch™ is a trademark of Steel Stitch Corporation. FlashStrip® is a registered trademark of Steel Stitch Corporation.



249917

Steel Stitch™ ZipStrip®

Designed to cover the staples once the fabric has been stapled into position. Product is driven into the open channel using an air hammer.

Item #	Color	Color #	Standard Package
249916	Aquamarine	16	400 ft.
249905	Beige	05	400 ft.
250305	Beige	05	150 ft.
250302	Black	02	150 ft.
249902	Black	02	400 ft.
249934	Bordeaux	33	400 ft.
250333	Bordeaux	33	150 ft.
249926	Bright Blue	26	400 ft.
249930	Bright Orange	30	400 ft.
249924	Bright Red	24	400 ft.
250324	Bright Red	24	150 ft.
249906	Brown	06	400 ft.
250306	Brown	06	150 ft.
249911	Burgundy	11	400 ft.
250311	Burgundy	11	150 ft.
250304	Cream	04	150 ft.
249904	Cream	04	400 ft.
250331	Crystal Clear	31	150 ft.
249931	Crystal Clear	31	400 ft.
249913	Dark Blue	13	400 ft.
250313	Dark Blue	13	150 ft.
250318	Dark Green	18	150 ft.
249918	Dark Green	18	400 ft.
249923	Deep Red	23	400 ft.
250323	Deep Red	23	150 ft.
249929	Golden Yellow	29	400 ft.
250329	Golden Yellow	29	150 ft.
249917	Grass Green	17	400 ft.
249903	Grey	03	400 ft.
250303	Grey	03	150 ft.
250322	Linen	22	150 ft.
249922	Linen	22	400 ft.
249914	Medium Blue	14	400 ft.
250310	Plum	10	150 ft.
249920	Pumpkin	20	400 ft.

Item #	Color	Color #	Standard Package
249912	Rouge Red	12	400 ft.
250312	Rouge Red	12	150 ft.
249925	Royal Blue	25	400 ft.
250325	Royal Blue	25	150 ft.
249927	Teal	27	400 ft.
250321	Terra Cotta	21	150 ft.
249921	Terra Cotta	21	400 ft.
249928	Turquoise	28	400 ft.
249933	Violet	32	400 ft.
250332	Violet	32	150 ft.
249901	White	01	400 ft.
250301	White	01	150 ft.
249919	Yellow	19	400 ft.
250319	Yellow	19	150 ft.

Steel Stitch™ is a trademark of Steel Stitch Corporation. ZipStrip® is a registered trademark of Steel Stitch Corporation.



249873

Steel Stitch™ ZipStrip® – Sunbrella® Fabric

This fabric covered PVC staple channel trim creates a traditional finish on woven canvas awnings and canopies. Fabric covered ZipStrip is made with Sunbrella Acrylic fabrics that completely conceal the PVC material. A durable lockstitch double seam holds the fabric securely in place for years of attractive performance. Custom colors and fabrics are available.

Item #	Color	Color #	Standard Package
249879	Beige	6020	160 ft.
249878	Black	6008	160 ft.
249891	Burgundy	6031	160 ft.
249890	Cadet Grey	6030	160 ft.
249896	Captain Navy	6046	160 ft.
249894	Forest Green	6037	160 ft.
249873	Jockey Red	6003	160 ft.
249893	Linen	6033	160 ft.
249876	Navy	6026	160 ft.
249897	Oyster	6042	160 ft.
249871	Pacific Blue	6001	160 ft.
249881	Terracotta	6022	160 ft.
249882	Toast	6028	160 ft.
249880	True Brown	6021	160 ft.

Steel Stitch™ is a trademark of Steel Stitch Corporation. ZipStrip® is a registered trademark of Steel Stitch Corporation. Sunbrella® is a registered trademark of Glen Raven, Inc.



249836

Steel Stitch™ ZipStrip® – Firesist® Fabric

This fabric covered PVC staple channel trim creates a traditional finish on woven canvas awnings and canopies. Fabric covered ZipStrip is made with Firesist fabrics that completely conceal the PVC material. A durable lockstitch double seam holds the fabric securely in place for years of attractive performance. Custom colors and fabrics are available.

Item #	Color	Color #	Standard Package
249837	Admiral Navy	82010	160 ft.
249836	Black	82008	160 ft.
249844	Burgundy	82016	160 ft.
249845	Crimson	82017	160 ft.
249833	Forest Green	82003	160 ft.

ZipStrip® is a registered trademark of Steel Stitch Corp. Firesist® is a registered trademark of Glen Raven, Inc.



249811

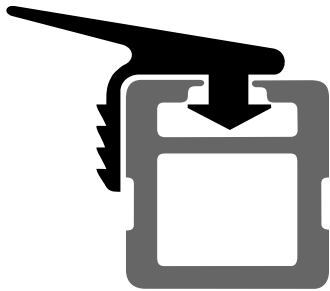
Steel Stitch™ ZipStrip® – Sunbrella® Fabric with Tenara® Thread

This fabric covered PVC staple channel trim creates a traditional finish on woven canvas awnings and canopies. Fabric covered ZipStrip is made with Sunbrella Acrylic fabrics that completely conceal the PVC material. A durable lockstitch double seam of Tenara thread holds the fabric securely in place for years of attractive performance. Custom colors and fabrics are available.

Item #	Color	Color #	Standard Package
249813	Black	4608	160 ft.
249816	Burgundy	4631	160 ft.
249819	Captain Navy	4646	160 ft.

Item #	Color	Color #	Standard Package
249808	Charcoal Grey	4644	160 ft.
249818	Forest Green	4637	160 ft.
249811	Jockey Red	4603	160 ft.
249827	Medium Blue	4652	160 ft.
249823	Seagrass Green	4645	160 ft.
249809	Taupe	4648	160 ft.

ZipStrip® is a registered trademark of Steel Stitch Corp. Sunbrella® is a registered trademark of Glen Raven, Inc. Tenara® is a registered trademark of W.L. Gore & Associates, Inc.



249950

Steel Stitch™ FlashStrip®

Driven into the back bar to create a secure seal against virtually any building surface. Eliminate the need for labor-intensive caulking by applying a single bead of the sealant to the product prior to installation.

Item #	Color	Color #	Standard Package
249950	Crystal Clear	31	125 ft.

Steel Stitch™ is a trademark of Steel Stitch Corporation. FlashStrip® is a registered trademark of Steel Stitch Corporation.



228033



250153



250162



250198



250216

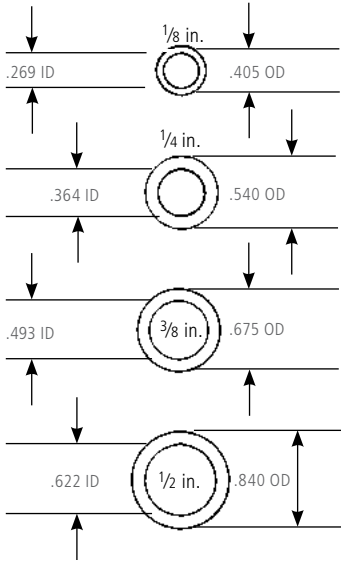
Steel Stitch™ Accessories

Steel Stitch branded chisel and divergent point staples work with Bea/Behrens (#250213, #250162), Fasco (#250198) and Apach (#250216) staplers.

Item #	Style #	Description	For Use With	Gauge	Put Up	Size	Standard Package	Thickness
250216	LU-9225AC	Apach Stapler with Case					1	
250162	92/25-553	Bea/Behrens Stapler with Safety					1	
250213	92/25-553	Bea/Behrens Stapler					1	
228035	AS0K151	Danair Hammer O-Ring Kit					1	
228031	T155	Danair Hammer Replacement Tip, Blue					1	
228033	158	Danair Hammer Replacement Valve					1	
228030	AH155	Danair Pneumatic Hammer					1	
250198	F21T92-25AST	Fasco Stapler with Safety					1	
250222	805STA12CP	Staples - Steel Stitch Chisel Point Galvanized	BeA Stapler (#250213), BeA Stapler with Safety (#250162), Apach Stapler (#250216)	18	8400/box	1/2 in.	1 box	18 gauge
250205	805STA38CP	Staples - Steel Stitch Chisel Point Galvanized	BeA Stapler (#250213), BeA Stapler with Safety (#250162), Apach Stapler (#250216)	18	5000/box	3/8 in.	1 box	18 gauge
250158	810STA20	Staples - Steel Stitch Divergent Point Galvanized	BeA Stapler (#250213), BeA Stapler with Safety (#250162), Apach Stapler (#250216)	18	5000/box	1/2 in.	1 box	18 gauge
250157	810STA10	Staples - Steel Stitch Divergent Point Galvanized	BeA Stapler (#250213), BeA Stapler with Safety (#250162), Apach Stapler (#250216)	18	5000/box	3/8 in.	1 box	18 gauge
250202	810STA85	Staples - Steel Stitch Divergent Point Stainless Steel	BeA Stapler (#250213), BeA Stapler with Safety (#250162), Apach Stapler (#250216)	18	5000/box		1 box	18 gauge
250153		Steel Stitch Grinding Disk					25	

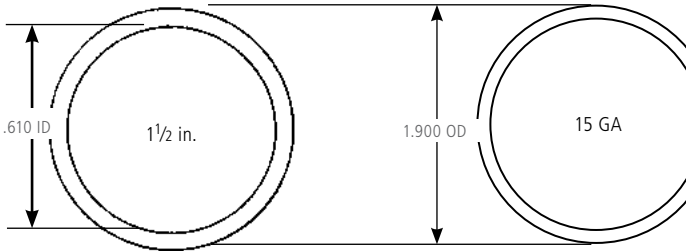
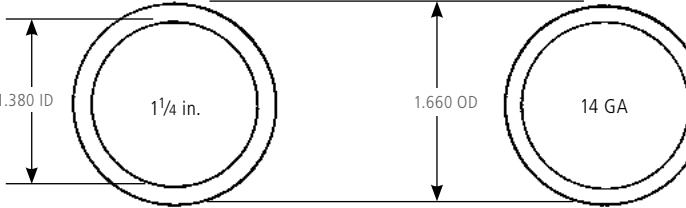
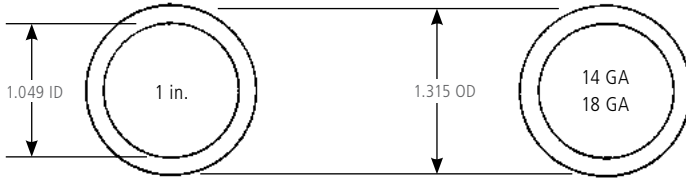
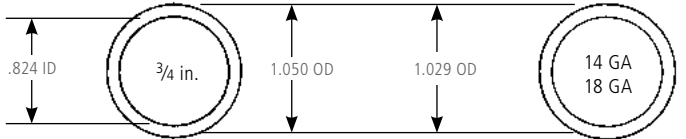
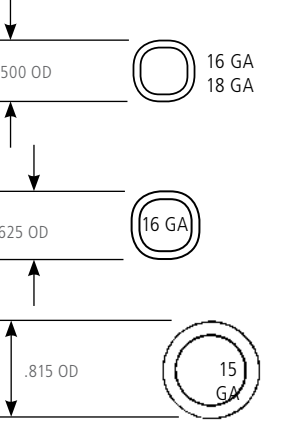
GATORSHIELD® TUBING – GALVANIZED FINISH STEEL

Pipe Schedule 40

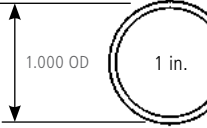
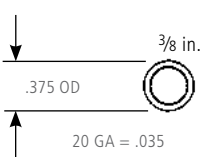


Gatorshield Wall Size

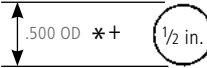
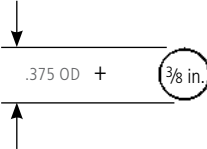
14 GA = .083 18 GA = .049
15 GA = .072 20 GA = .035
16 GA = .065



Mechanical Tubing (Numerous wall sizes available)



Awning Iron



ID = Inside Diameter
OD = Outside Diameter
* = Available in Aluminum Headrod
+ = Available in Fiberglass Headrod

Gatorshield® is a registered trademark of Allied Tube & Conduit Corporation.

Gatorshield® – Galvanized Finish Steel Tubing

Gatorshield steel tubing offers triple layer corrosion protection on the exterior surface consisting of zinc, a conversion coating and a clear organic topcoat. The interior is fully covered with a corrosion-resistant zinc coating. Independent tests have proven our steel tubing offers dramatically higher corrosion resistance than other products being marketed for awning framework.

Item #	Approximate Weight Per Piece	Feet Per Bundle	Gauge	Lbs Per Foot	Length	Pieces Per Bundle	Shape	Size Outside Diameter	Standard Package	Weight Per Bundle
276058	16.800 lbs.	1220 ft.	14	0.84 lbs.	20 ft.	61	Round	1.029	61	1025 lbs.
276062	21.800 lbs.	740 ft.	14	1.09 lbs.	20 ft.	37	Round	1.315	37	807 lbs.
276056	11.400 lbs.	1820 ft.	15	0.57 lbs.	20 ft.	91	Round	0.815	91	1037 lbs.
276065	9.960 lbs.	2540 ft.	18	0.498 lbs.	20 ft.	127	Round	1.000	127	1265 lbs.
276085	19.824 lbs.	1440 ft.	16	0.83 lbs.	24 ft.	60	Square	1 in.	60	1189 lbs.
276084	16.600 lbs.	1200 ft.	16	0.83 lbs.	20 ft.	60	Square	1 in.	60	1241 lbs.
276094	34.400 lbs.	500 ft.	16	1.72 lbs.	20 ft.	25	Square	2 in.	25	860 lbs.
276086	12.600 lbs.	1200 ft.	18	0.63 lbs.	20 ft.	60	Square	1 in.	60	561 lbs.
276088	9.200 lbs.	1200 ft.	20	0.46 lbs.	20 ft.	60	Square	1 in.	60	914 lbs.

Gatorshield® is a registered trademark of Allied Tube & Conduit Corporation.

Gatorshield® – Tubing Plug

Item #	Description	For	Inside Diameter	Size	Standard Package
255420	Square	1 in. 16 gauge tubing	7/8 in. x 7/8 in.	1 in. x 1 in. x 1/2 in.	25

Gatorshield® is a registered trademark of Allied Tube & Conduit Corporation.



254160

Touch Up Paint – Gatorshield®

Item #	Put Up	Standard Package
254160	12-oz aerosol can	12

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233795

Grommets – DOT® with Plain Washer

Item #	Style #	Finish	Hand Tools Part Number	Hole Size After Setting	Machine Tools Part Number	Material	Standard Package
233751	0		22-RHT0GR (#223531)	1/4 in.	22-RBS-0GR (#223562)	Brass	1 gross
233707	0		22-RHT0GR (#223531)	1/4 in.	22-RBS-0GR (#223562)	Brass	25 gross
233760	0	Government Black	22-RHT0GR (#223531)	1/4 in.	22-RBS-0GR (#223562)	Brass	1 gross
233715	0	Government Black	22-RHT0GR (#223531)	1/4 in.	22-RBS-0GR (#223562)	Brass	25 gross
233755	0	Nickel Plated	22-RHT0GR (#223531)	1/4 in.	22-RBS-0GR (#223562)	Brass	1 gross
233727	0	Nickel Plated	22-RHT0GR (#223531)	1/4 in.	22-RBS-0GR (#223562)	Brass	25 gross
233777	00		22-RHT00GR (#223530)	3/16 in.	22-RBS-00GR (#223561)	Brass	1 gross
233700	00		22-RHT00GR (#223530)	3/16 in.	22-RBS-00GR (#223561)	Brass	25 gross
233787	00	Government Black	22-RHT00GR (#223530)	3/16 in.	22-RBS-00GR (#223561)	Brass	1 gross
233699	00	Government Black	22-RHT00GR (#223530)	3/16 in.	22-RBS-00GR (#223561)	Brass	25 gross
233795	00	Nickel Plated	22-RHT00GR (#223530)	3/16 in.	22-RBS-00GR (#223561)	Brass	1 gross
233730	00	Nickel Plated	22-RHT00GR (#223530)	3/16 in.	22-RBS-00GR (#223561)	Brass	25 gross
233746	1		22-RHT1GR (#223532)	9/32 in.	22-RBS-1GR (#223563)	Brass	1 gross
233708	1		22-RHT1GR (#223532)	9/32 in.	22-RBS-1GR (#223563)	Brass	25 gross
233772	1	Government Black	22-RHT1GR (#223532)	9/32 in.	22-RBS-1GR (#223563)	Brass	1 gross
233716	1	Government Black	22-RHT1GR (#223532)	9/32 in.	22-RBS-1GR (#223563)	Brass	25 gross

Item #	Style #	Finish	Hand Tools Part Number	Hole Size After Setting	Machine Tools Part Number	Material	Standard Package
233754	1	Nickel Plated	22-RHT1GR (#223532)	9/32 in.	22-RBS-1GR (#223563)	Brass	1 gross
233731	1	Nickel Plated	22-RHT1GR (#223532)	9/32 in.	22-RBS-1GR (#223563)	Brass	25 gross
233740	2		22-RHT2GR (#223533)	3/8 in.	22-RBS-2GR (#223505)	Brass	1 gross
233709	2		22-RHT2GR (#223533)	3/8 in.	22-RBS-2GR (#223505)	Brass	25 gross
233756	2	Government Black	22-RHT2GR (#223533)	3/8 in.	22-RBS-2GR (#223505)	Brass	1 gross
233744	2	Nickel Plated	22-RHT2GR (#223533)	3/8 in.	22-RBS-2GR (#223505)	Brass	1 gross
233728	2	Nickel Plated	22-RHT2GR (#223533)	3/8 in.	22-RBS-2GR (#223505)	Brass	25 gross
233752	3		22-RHT3GR (#223534)	7/16 in.	22-RBS-3GR (#223564)	Brass	1 gross
233710	3		22-RHT3GR (#223534)	7/16 in.	22-RBS-3GR (#223564)	Brass	25 gross
233771	3	Government Black	22-RHT3GR (#223534)	7/16 in.	22-RBS-3GR (#223564)	Brass	1 gross
233718	3	Government Black	22-RHT3GR (#223534)	7/16 in.	22-RBS-3GR (#223564)	Brass	25 gross
233759	3	Nickel Plated	22-RHT3GR (#223534)	7/16 in.	22-RBS-3GR (#223564)	Brass	1 gross
233729	3	Nickel Plated	22-RHT3GR (#223534)	7/16 in.	22-RBS-3GR (#223564)	Brass	25 gross
233745	4		22-RHT4GR (#223535)	1/2 in.	22-RBS-4GR (#223565)	Brass	1 gross
233711	4		22-RHT4GR (#223535)	1/2 in.	22-RBS-4GR (#223565)	Brass	25 gross
233764	4	Government Black	22-RHT4GR (#223535)	1/2 in.	22-RBS-4GR (#223565)	Brass	1 gross
233719	4	Government Black	22-RHT4GR (#223535)	1/2 in.	22-RBS-4GR (#223565)	Brass	25 gross
233761	4	Nickel Plated	22-RHT4GR (#223535)	1/2 in.	22-RBS-4GR (#223565)	Brass	1 gross
233732	4	Nickel Plated	22-RHT4GR (#223535)	1/2 in.	22-RBS-4GR (#223565)	Brass	25 gross
233778	5		22-RHT5GR (#223536)	5/8 in.	22-RBS-5GR (#223566)	Brass	1 gross
233692	5		22-RHT5GR (#223536)	5/8 in.	22-RBS-5GR (#223566)	Brass	25 gross
233697	5	Government Black	22-RHT5GR (#223536)	5/8 in.	22-RBS-5GR (#223566)	Brass	25 gross
233796	5	Nickel Plated	22-RHT5GR (#223536)	5/8 in.	22-RBS-5GR (#223566)	Brass	1 gross
233733	5	Nickel Plated	22-RHT5GR (#223536)	5/8 in.	22-RBS-5GR (#223566)	Brass	25 gross
233779	6		22-RHT6GR (#223537)	13/16 in.	22-RBS-6GR (#223567)	Brass	1 gross
233693	6		22-RHT6GR (#223537)	13/16 in.	22-RBS-6GR (#223567)	Brass	10 gross
233698	6	Government Black	22-RHT6GR (#223537)	13/16 in.	22-RBS-6GR (#223567)	Brass	10 gross
233797	6	Nickel Plated	22-RHT6GR (#223537)	13/16 in.	22-RBS-6GR (#223567)	Brass	1 gross

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Grommets – DOT® with Plain Washer (Washer Only)

Item #	Style #	Material	Standard Package
233508	4	Brass	25 gross

DOT® is a registered trademark of Scovill Fasteners, Inc.

Grommets – DOT® with Tooth Washer

Item #	Style #	Finish	Hand Tools Part Number	Hole Size After Setting	Machine Tools Part Number	Material	Standard Package
233780	0		22-RHT0GR (#223531)	1/4 in.	22-RBS-0GR (#223562)	Brass	1 gross
233694	0		22-RHT0GR (#223531)	1/4 in.	22-RBS-0GR (#223562)	Brass	25 gross
233788	0	Government Black	22-RHT0GR (#223531)	1/4 in.	22-RBS-0GR (#223562)	Brass	1 gross
233736	0	Government Black	22-RHT0GR (#223531)	1/4 in.	22-RBS-0GR (#223562)	Brass	25 gross
233970	0	Nickel Plated	22-RHT0GR (#223531)	1/4 in.	22-RBS-0GR (#223562)	Brass	1 gross
233781	1		22-RHT1GR (#223532)	9/32 in.	22-RBS-1GR (#223563)	Brass	1 gross
233695	1		22-RHT1GR (#223532)	9/32 in.	22-RBS-1GR (#223563)	Brass	25 gross



233781

Item #	Style #	Finish	Hand Tools Part Number	Hole Size After Setting	Machine Tools Part Number	Material	Standard Package
233681	1	Government Black	22-RHT1GR (#223532)	1/4 in.	22-RBS-1GR (#223563)	Brass	1 gross
233737	1	Government Black	22-RHT1GR (#223532)	9/32 in.	22-RBS-1GR (#223563)	Brass	25 gross
233971	1	Nickel Plated	22-RHT1GR (#223532)	9/32 in.	22-RBS-1GR (#223563)	Brass	1 gross
233687	1	Nickel Plated	22-RHT1GR (#223532)	9/32 in.	22-RBS-1GR (#223563)	Brass	25 gross
233762	2		22-RHT2GR (#223533)	3/8 in.	22-RBS-2GR (#223505)	Brass	1 gross
233712	2		22-RHT2GR (#223533)	3/8 in.	22-RBS-2GR (#223505)	Brass	25 gross
233789	2	Black	22-RHT2GR (#223533)	3/8 in.	22-RBS-2GR (#223505)	Brass	1 gross
233720	2	Government Black	22-RHT2GR (#223533)	3/8 in.	22-RBS-2GR (#223505)	Brass	25 gross
233773	2	Nickel Plated	22-RHT2GR (#223533)	3/8 in.	22-RBS-2GR (#223505)	Brass	1 gross
233688	2	Nickel Plated	22-RHT2GR (#223533)	3/8 in.	22-RBS-2GR (#223505)	Brass	25 gross
233769	3		22-RHT3GR (#223534)	7/16 in.	22-RBS-3GR (#223564)	Brass	1 gross
233713	3		22-RHT3GR (#223534)	7/16 in.	22-RBS-3GR (#223564)	Brass	25 gross
233682	3	Government Black	22-RHT3GR (#223534)	1/4 in.	22-RBS-3GR (#223564)	Brass	1 gross
233721	3	Government Black	22-RHT3GR (#223534)	7/16 in.	22-RBS-3GR (#223564)	Brass	25 gross
233774	3	Nickel Plated	22-RHT3GR (#223534)	7/16 in.	22-RBS-3GR (#223564)	Brass	1 gross
233770	4		22-RHT4GR (#223535)	1/2 in.	22-RBS-4GR (#223565)	Brass	1 gross
233714	4		22-RHT4GR (#223535)	1/2 in.	22-RBS-4GR (#223565)	Brass	25 gross
233790	4	Government Black	22-RHT4GR (#223535)	1/2 in.	22-RBS-4GR (#223565)	Brass	1 gross
233738	4	Government Black	22-RHT4GR (#223535)	1/2 in.	22-RBS-4GR (#223565)	Brass	25 gross
233775	4	Nickel Plated	22-RHT4GR (#223535)	1/2 in.	22-RBS-4GR (#223565)	Brass	1 gross
233689	4	Nickel Plated	22-RHT4GR (#223535)	1/2 in.	22-RBS-4GR (#223565)	Brass	25 gross
233782	5		22-RHT5GR (#223536)	5/8 in.	22-RBS-5GR (#223566)	Brass	1 gross
233696	5		22-RHT5GR (#223536)	5/8 in.	22-RBS-5GR (#223566)	Brass	25 gross

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Grommets – DOT® Rolled Rim with Spur Washer



233753

Item #	Style #	Finish	Hand Tools Part Number	Hole Size After Setting	Machine Tools Part Number	Material	Standard Package
234422	0		22-RHTORR (#223540)	9/32 in.	22-RBS-ORR (#223570)	Brass	1 gross
233753	0		22-RHTORR (#223540)	9/32 in.	22-RBS-ORR (#223570)	Brass	1 gross
233636	0		22-RHTORR (#223540)	9/32 in.	22-RBS-ORR (#223570)	Brass	25 gross
233767	0	Government Black	22-RHTORR (#223540)	9/32 in.	22-RBS-ORR (#223570)	Brass	1 gross
234424	0	Government Black	22-RHTORR (#223540)	9/32 in.	22-RBS-ORR (#223570)	Brass	1 gross
233722	0	Government Black	22-RHTORR (#223540)	9/32 in.	22-RBS-ORR (#223570)	Brass	25 gross
234423	0	Nickel Plated	22-RHTORR (#223540)	9/32 in.	22-RBS-ORR (#223570)	Brass	1 gross
233743	0	Nickel Plated	22-RHTORR (#223540)	9/32 in.	22-RBS-ORR (#223570)	Brass	1 gross
233641	0	Nickel Plated	22-RHTORR (#223540)	9/32 in.	22-RBS-ORR (#223570)	Brass	25 gross
234375	0			17/64 in.		Stainless Steel	1 gross
234425	1		22-RHT1RR (#223541)	13/32 in.	22-RBS-1RR (#248212)	Brass	1 gross
233749	1		22-RHT1RR (#223541)	13/32 in.	22-RBS-1RR (#248212)	Brass	1 gross
233637	1		22-RHT1RR (#223541)	13/32 in.	22-RBS-1RR (#248212)	Brass	25 gross
234427	1	Government Black	22-RHT1RR (#223541)	13/32 in.	22-RBS-1RR (#248212)	Brass	1 gross
233765	1	Government Black	22-RHT1RR (#223541)	13/32 in.	22-RBS-1RR (#248212)	Brass	1 gross
233723	1	Government Black	22-RHT1RR (#223541)	13/32 in.	22-RBS-1RR (#248212)	Brass	25 gross
233748	1	Nickel Plated	22-RHT1RR (#223541)	13/32 in.	22-RBS-1RR (#248212)	Brass	1 gross
234426	1	Nickel Plated	22-RHT1RR (#223541)	13/32 in.	22-RBS-1RR (#248212)	Brass	1 gross

Item #	Style #	Finish	Hand Tools Part Number	Hole Size After Setting	Machine Tools Part Number	Material	Standard Package
233642	1	Nickel Plated	22-RHT1RR (#223541)	13/32 in.	22-RBS-1RR (#248212)	Brass	25 gross
234376	1		22-RHT1RR (#223541)	13/32 in.		Stainless Steel	1 gross
234428	2		22-RHT2RR (#223542)	7/16 in.	22-RBS-2RR (#223499)	Brass	1 gross
233741	2		22-RHT2RR (#223542)	7/16 in.	22-RBS-2RR (#223499)	Brass	1 gross
233638	2		22-RHT2RR (#223542)	7/16 in.	22-RBS-2RR (#223499)	Brass	25 gross
234430	2	Government Black	22-RHT2RR (#223542)	7/16 in.	22-RBS-2RR (#223499)	Brass	1 gross
233757	2	Government Black	22-RHT2RR (#223542)	7/16 in.	22-RBS-2RR (#223499)	Brass	1 gross
233724	2	Government Black	22-RHT2RR (#223542)	7/16 in.	22-RBS-2RR (#223499)	Brass	25 gross
234429	2	Nickel Plated	22-RHT2RR (#223542)	7/16 in.	22-RBS-2RR (#223499)	Brass	1 gross
233747	2	Nickel Plated	22-RHT2RR (#223542)	7/16 in.	22-RBS-2RR (#223499)	Brass	1 gross
233643	2	Nickel Plated	22-RHT2RR (#223542)	7/16 in.	22-RBS-2RR (#223499)	Brass	25 gross
234377	2			3/8 in.		Stainless Steel	1 gross
234431	3		22-RHT3RR (#223543)	15/32 in.	22-RBS-3RR (#223571)	Brass	1 gross
233750	3		22-RHT3RR (#223543)	15/32 in.	22-RBS-3RR (#223571)	Brass	1 gross
233639	3		22-RHT3RR (#223543)	15/32 in.	22-RBS-3RR (#223571)	Brass	25 gross
234433	3	Government Black	22-RHT3RR (#223543)	15/32 in.	22-RBS-3RR (#223571)	Brass	1 gross
233768	3	Government Black	22-RHT3RR (#223543)	15/32 in.	22-RBS-3RR (#223571)	Brass	1 gross
233725	3	Government Black	22-RHT3RR (#223543)	15/32 in.	22-RBS-3RR (#223571)	Brass	25 gross
234432	3	Nickel Plated	22-RHT3RR (#223543)	15/32 in.	22-RBS-3RR (#223571)	Brass	1 gross
233763	3	Nickel Plated	22-RHT3RR (#223543)	15/32 in.	22-RBS-3RR (#223571)	Brass	1 gross
233644	3	Nickel Plated	22-RHT3RR (#223543)	15/32 in.	22-RBS-3RR (#223571)	Brass	25 gross
234378	3			29/64 in.		Stainless Steel	1 gross
233742	4		22-RHT4RR (#223544)	9/16 in.	22-RBS-4RR (#223572)	Brass	1 gross
234434	4		22-RHT4RR (#223544)	9/16 in.	22-RBS-4RR (#223572)	Brass	1 gross
233640	4		22-RHT4RR (#223544)	9/16 in.	22-RBS-4RR (#223572)	Brass	25 gross
234436	4	Government Black	22-RHT4RR (#223544)	9/16 in.	22-RBS-4RR (#223572)	Brass	1 gross
233766	4	Government Black	22-RHT4RR (#223544)	9/16 in.	22-RBS-4RR (#223572)	Brass	1 gross
233726	4	Government Black	22-RHT4RR (#223544)	9/16 in.	22-RBS-4RR (#223572)	Brass	25 gross
234435	4	Nickel Plated	22-RHT4RR (#223544)	9/16 in.	22-RBS-4RR (#223572)	Brass	1 gross
233758	4	Nickel Plated	22-RHT4RR (#223544)	9/16 in.	22-RBS-4RR (#223572)	Brass	1 gross
233645	4	Nickel Plated	22-RHT4RR (#223544)	9/16 in.	22-RBS-4RR (#223572)	Brass	25 gross
234379	4			1/2 in.		Stainless Steel	1 gross
233783	5		22-RHT5RR (#223545)	5/8 in.	22-RBS-5RR (#223573)	Brass	1 gross
233653	5		22-RHT5RR (#223545)	5/8 in.	22-RBS-5RR (#223573)	Brass	25 gross
233928	5	Nickel Plated	22-RHT5RR (#223545)	5/8 in.	22-RBS-5RR (#223573)	Brass	1 gross
233652	5			41/64 in.		Stainless Steel	1 gross
233786	8		22-RHT8RR (#223548)	1-3/32 in.	Grommet too large for die	Brass	1 gross

DOT® is a registered trademark of Scovill Fasteners, Inc.



233958

Grommets – DOT® Self-Piercing with Plain Washer

Will pierce most fabrics without pre-punching a hole, while setting the grommet and washer in the same action.

Item #	Style #	Finish	Hand Tools Part Number	Hole Size After Setting	Machine Tools Part Number	Material	Standard Package
233958	0		Does not function with hand tools	1/4 in.	22-RBS-0SP (#223464)	Brass	500
233959	1		Does not function with hand tools	5/16 in.	22-RBS-1SP (#223465)	Brass	500
233960	2		Does not function with hand tools	3/8 in.	22-RBS-2SP (#223466)	Brass	500
233957	2	Nickel Plated	Does not function with hand tools	3/8 in.	22-RBS-2SP (#223466)	Brass	500
233961	3		Does not function with hand tools	7/16 in.	22-RBS-3SP (#223467)	Brass	500
233956	3	Nickel Plated	Does not function with hand tools	7/16 in.	22-RBS-3SP (#223467)	Brass	500

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233890

Grommets – DOT® Self-Piercing Rolled Rim with Spur Washer

Will pierce most fabrics without pre-punching a hole, while setting the grommet and washer in the same action.

Item #	Style #	Hand Tools Part Number	Hole Size After Setting	Machine Tools Part Number	Material	Standard Package
233890	0	22-RHTNS-ORR (#223549); Must pre-punch holes	1/4 in.	22-RNS-ORR (#223468)	Stainless Steel	1 gross
233896	0	22-RHTNS-ORR (#223549); Must pre-punch holes	1/4 in.	22-RNS-ORR (#223468)	Stainless Steel	25 gross
233891	1	22-RHTNS-1RR (#223550); Must pre-punch holes	5/16 in.	22-RNS-1RR (#223469)	Stainless Steel	1 gross
233897	1	22-RHTNS-1RR (#223550); Must pre-punch holes	5/16 in.	22-RNS-1RR (#223469)	Stainless Steel	25 gross
233892	2	22-RHTNS-2RR (#223551); Must pre-punch holes	3/8 in.	22-RNS-2RR (#223470)	Stainless Steel	1 gross
233898	2	22-RHTNS-2RR (#223551); Must pre-punch holes	3/8 in.	22-RNS-2RR (#223470)	Stainless Steel	25 gross
233893	3	22-RHTNS-3RR (#223552); Must pre-punch holes	7/16 in.	22-RNS-3RR (#223513)	Stainless Steel	1 gross
233899	3	22-RHTNS-3RR (#223552); Must pre-punch holes	7/16 in.	22-RNS-3RR (#223513)	Stainless Steel	25 gross
233894	4	22-RHTNS-4RR (#223553); Must pre-punch holes	1/2 in.	22-RNS-4RR (#223471)	Stainless Steel	1 gross
233900	4	22-RHTNS-4RR (#223553); Must pre-punch holes	1/2 in.	22-RNS-4RR (#223471)	Stainless Steel	25 gross
233895	5	22-RHTNS-5RR (#223559); Must pre-punch holes	5/8 in.	22-RNS-5RR (#223472)	Stainless Steel	1 gross
233901	5	22-RHTNS-5RR (#223559); Must pre-punch holes	5/8 in.	22-RNS-5RR (#223472)	Stainless Steel	25 gross

DOT® is a registered trademark of Scovill Fasteners, Inc.

Grommets – DOT® Sheet Metal

Constructed of heavy-duty materials, DOT Grommets and Washers are designed to provide reliable hole reinforcement. These high-quality grommets and washers conform to stringent commercial specifications. Trivantage® also offers a wide range of setting options to meet customers' unique requirements.

Item #	Style #	Description	Finish	Hole Size After Setting	Material	Standard Package
234407	0	Grommet and Neck Washer		1/4 in.	Brass	1 gross
234380	0	Grommet and Plain Washer		1/4 in.	Brass	1 gross
234382	0	Grommet and Plain Washer	Government Black	1/4 in.	Brass	1 gross
234409	0	Grommet and Neck Washer	Government Black	1/4 in.	Brass	1 gross
234408	0	Grommet and Neck Washer	Nickel	1/4 in.	Brass	1 gross
234381	0	Grommet and Plain Washer	Nickel	1/4 in.	Brass	1 gross
234404	00	Grommet and Neck Washer		3/16 in.	Brass	1 gross
234406	00	Grommet and Neck Washer	Government Black	3/16 in.	Brass	1 gross
234405	00	Grommet and Neck Washer	Nickel	3/16 in.	Brass	1 gross
234383	1	Grommet and Neck Washer		9/32 in.	Brass	1 gross
234410	1	Grommet and Plain Washer		9/32 in.	Brass	1 gross
234385	1	Grommet and Neck Washer	Government Black	9/32 in.	Brass	1 gross
234412	1	Grommet and Plain Washer	Government Black	9/32 in.	Brass	1 gross
234384	1	Grommet and Neck Washer	Nickel	9/32 in.	Brass	1 gross
234411	1	Grommet and Neck Washer	Nickel	9/32 in.	Brass	1 gross
234413	2	Grommet and Neck Washer		3/8 in.	Brass	1 gross
234395	2	Grommet and Tooth Washer		3/8 in.	Brass	1 gross
234386	2	Grommet and Plain Washer		3/8 in.	Brass	1 gross
234415	2	Grommet and Plain Washer	Black		Brass	1 gross
234397	2	Grommet and Tooth Washer	Government Black	3/8 in.	Brass	1 gross
234388	2	Grommet and Plain Washer	Government Black	3/8 in.	Brass	1 gross
234396	2	Grommet and Tooth Washer	Nickel	3/8 in.	Brass	1 gross
234387	2	Grommet and Plain Washer	Nickel	3/8 in.	Brass	1 gross
234414	2	Grommet and Neck Washer	Nickel	3/8 in.	Brass	1 gross
234398	3	Grommet and Tooth Washer		7/16 in.	Brass	1 gross
234416	3	Grommet and Neck Washer		7/16 in.	Brass	1 gross
234389	3	Grommet and Plain Washer		7/16 in.	Brass	1 gross
234418	3	Grommet and Neck Washer	Government Black	7/16 in.	Brass	1 gross
234391	3	Grommet and Plain Washer	Government Black	7/16 in.	Brass	1 gross
234400	3	Grommet and Tooth Washer	Government Black	7/16 in.	Brass	1 gross
234390	3	Grommet and Plain Washer	Nickel	7/16 in.	Brass	1 gross
234399	3	Grommet and Tooth Washer	Nickel	7/16 in.	Brass	1 gross
234417	3	Grommet and Neck Washer	Nickel	7/16 in.	Brass	1 gross
234419	4	Grommet and Neck Washer		1/2 in.	Brass	1 gross
234392	4	Grommet and Plain Washer		1/2 in.	Brass	1 gross
234401	4	Grommet and Tooth Washer		1/2 in.	Brass	1 gross
234394	4	Grommet and Plain Washer	Government Black	1/2 in.	Brass	1 gross
234421	4	Grommet and Neck Washer	Government Black	1/2 in.	Brass	1 gross
234403	4	Grommet and Tooth Washer	Government Black	1/2 in.	Brass	1 gross
234420	4	Grommet and Neck Washer	Nickel	1/2 in.	Brass	1 gross
234393	4	Grommet and Plain Washer	Nickel	1/2 in.	Brass	1 gross
234402	4	Grommet and Tooth Washer	Nickel	1/2 in.	Brass	1 gross

DOT® is a registered trademark of Scovill Fasteners, Inc.

Grommets – DOT® Special Brass And Washers

Item #	Style #	Description	Finish	Hand Tools Part Number	Hole Size After Setting	Machine Tools Part Number	Material	Standard Package
233656	1	Grommet with A1340 Neck Washer			9/32 in.		Brass	25 gross
233704	1	Grommet with A1340 Neck Washer	Government Black		9/32 in.		Brass	25 gross
233705	1	Grommet with A1340 Neck Washer	Nickel Plated		9/32 in.		Brass	25 gross
233706	2	Grommet with A3630 Washer			3/8 in.		Brass	25 gross
233702	2	Grommet with A3630 Washer	Nickel Plated		3/8 in.		Brass	25 gross
233198	4	Grommet with Neck Washer			1/2 in.		Brass	25 gross
233944	2J	Grommet with Neck Washer		22-RHT2GR (#223533)	3/8 in.	22-RBS-2JGR (#223569)	Brass	25 gross
233946	2J	Grommet with Plain Washer		22-RHT2GR (#223533)	3/8 in.	22-RBS-2JGR (#223569)	Brass	1 gross
233945	1J	Grommet with Plain Washer		22-RHT2GR (#223532)	9/32 in.	22-RBS-1JGR (#223568)	Brass	1 gross
233948	2J	Grommet with Plain Washer		22-RHT2GR (#223533)	3/8 in.	22-RBS-2JGR (#223569)	Brass	25 gross
233947	1J	Grommet with Plain Washer		22-RHT2GR (#223532)	9/32 in.	22-RBS-1JGR (#223568)	Brass	25 gross
233717	2	Grommet with Plain Washer	Government Black	22-RHT2GR (#223533)	3/8 in.	22-RBS-2GR (#223505)	Brass	25 gross
233979	2	Grommet with Special Lube Washer			3/8 in.		Brass	25 gross
233455	4	Rolled Rim Grommet (Washer Not Included)	Nickel Plated		1/2 in.		Brass	125 gross drum
233479	4	Spur Washer (Grommet Not Included)	Nickel Plated		9/16 in.		Brass	125 gross drum
233283	2	Spur Washer (Washer Only)			7/16 in.		Brass	25 gross

Scovill® is a registered trademark of GSG Fasteners, LLC

Grommets – Sharpened Edge with Small Tooth Locking Channel Washer

Will pierce most fabrics without pre-punching a hole, while setting the grommet and washer in the same action.

Item #	Style #	Finish	Hole Size After Setting	Material	Standard Package
233973	1	Lacquer	5/16 in.	Brass	500
233071	1	Nickel Plated	5/16 in.	Brass	500
233566	2	Nickel Plated	3/8 in.	Brass	500
233567	3	Nickel Plated	7/16 in.	Brass	100

Grommets – Self-Piercing with Plain Washer

Will pierce most fabrics without pre-punching a hole, while setting the grommet and washer in the same action.

Item #	Style #	Hole Size After Setting	Material	Standard Package
235413	1	5/16 in.	Stainless Steel	500
235414	2	3/8 in.	Stainless Steel	500

Grommets – Self-Piercing Rolled Rim with Spur Washer

Will pierce most fabrics without pre-punching a hole, while setting the grommet and washer in the same action.

Item #	Style #	Finish	Hole Size After Setting	Material	Standard Package
233024	1	Nickel Plated	3/8 in.	Brass	500
233025	2	Nickel Plated	7/16 in.	Brass	250

E-Z Lace Supreme®

E-Z Lace Supreme eliminates the need to insert grommets. A 1-inch re-enforced side hole size makes lacing that much easier and quicker, while the 3 inch center spacing of the holes greatly increases manufacturing design flexibility. E-Z Lace Supreme also has a specialized and durable finish that resists mildew and ultraviolet rays, significantly increasing long-term strength and durability.

Item #	Style #	Color	Put Up	Width
502108	6608	Black	50 yd.	2-1/8 in.
502109	6630	Cadet Grey	50 yd.	2-1/8 in.
502111	6637	Forest Green	50 yd.	2-1/8 in.
502112	6604	Natural	50 yd.	2-1/8 in.
502107	6601	Pacific Blue	50 yd.	2-1/8 in.

E-Z Lace Supreme® is a trademark of Offray Specialty Narrow Fabrics.

Buckles – “Push-Button”

Item #	Style #	Finish	For Use With	Material	Standard Package	Webbing Size
207723	#6105		1" webbing	Stainless Steel	100	1 in.
207721	#6105		1-1/2" webbing	Stainless Steel	100	1-1/2 in.
207671	#6105	Black Enamel	1" webbing	Steel	100	1 in.
207724	#6105	Nickel Plated	1" webbing	Steel	100	1 in.
207722	#6105	Nickel Plated	1-1/2" webbing	Steel	100	1-1/2 in.
207668	#6105	Zinc Plated	1" webbing	Steel	100	1 in.

Buckles – For Nylon Or Polyester Webbing

A 1 inch non-slip buckle developed to provide a positive hold on very smooth nylon or polyester webbing when webbing is threaded through the buckle.

Item #	Style #	Finish	For Use With	Material	Standard Package	Webbing Size
207652	#1020	Nickel Plated	1" webbing	Steel	100	1 in.
207680	#4042	Nickel Plated	1" webbing	Steel	100	1 in.



502109



207724



207652



207680



207558

Buckles – Single Bar

For 1 inch webbing. Sheet brass, black finish. Meets Mil-B-543 Type 1, Style 2, Class 1.

Item #	Style #	Finish	For Use With	Material	Standard Package	Webbing Size
207558	#146	Black Finish	1 " webbing	Brass	100	1 in.



207508



207516

Buckles – Tongueless

Dependable and sturdy buckles with a firm locking toothed slide. Made of the finest grade stamped steel.

Item #	Style #	Finish	Material	Standard Package	Type	Webbing Size
207512	#2690	Cadmium Plated	Steel	50	Type 1, 2, 3	1-1/2 in.
207517	#5270	Nickel Plated	Steel	100	Type 1, 2, 3	2 in.
207508	#635	Zinc Plated	Steel	200		1 in.
207649		Zinc Plated	Steel	100	Type 1, 2, 3	1 in.
207516	#5270	Zinc Plated	Steel	50	Type 1, 2, 3	2 in.



207512

Clip And Dee



260441

Item #	Style #	Finish	Inside Dimension Width	Length	Material	Size	Size Hole	Standard Package
213820	1954		3/4 in.	1-3/8 in.	Stainless Steel		0.201 in.	1000
260441	1954	Nickel Plated	3/4 in.		Steel	1-3/8 in.	0.201 in.	1000



249216

Footman Loop

Made of zinc-plated steel.

Item #	Style #	Diameter Hole	Size	Standard Package	Webbing Size
249208	118-25	7/32 in.	2-5/8 in.	100	1 in.
249214	524	7/32 in.	3-1/8 in.	100	1-1/2 in.
249218	138	1/4 in.	2-3/4 in.	100	1-1/4 in.
249216	218	1/4 in.	3-5/8 in.	100	2 in.

Webbing Loop

Made of nickel-plated steel.



295565

Item #	Style #	Size	Standard Package	Type
295560	4950	1 in. x 7/16 in.	100	Unwelded
295565	69900	2 in. x 7/16 in.	100	Unwelded



275703

Triangle Ring

Item #	Finish	Material	Size	Standard Package
275703	Nickel Plated	Steel	1-1/2 in. x 1-1/2 in. x 1-1/2 in.	100

Dee Ring – Zinc Die-Cast

Item #	Style #	Description	Inside Dimension Height	Inside Dimension Width	Material	Standard Package	Wire Diameter
260511	45204	Non-Welded	8/9 in.	1 in.	Zinc Die-Cast	1000	0.154 in.

Dee Ring – Zinc Plated

Made of steel wire, with a zinc plating.

Item #	Style #	Description	Inside Dimension Height	Inside Dimension Width	Standard Package	Wire Diameter
260507	563	Non-Welded	5/8 in.	3/4 in.	500	0.135 in.
260508	563	Non-Welded	7/8 in.	1 in.	200	0.135 in.
260512	563	Non-Welded	1-3/16 in.	1-1/2 in.	200	0.148 in.
260527	3250	Welded	3/4 in.	7/8 in.	100	0.207 in.
260528	3250	Welded	7/8 in.	1 in.	100	0.207 in.
260529	3250	Welded	1 in.	1-1/8 in.	100	0.207 in.
260530	3250	Welded	1-1/8 in.	1-1/4 in.	100	0.243 in.
260532	3250	Welded	1-5/16 in.	1-1/2 in.	50	0.253 in.
260534	3250	Welded	1-1/2 in.	1-3/4 in.	50	0.262 in.
260536	3250	Welded	1-5/8 in.	2 in.	50	0.262 in.

Dee Ring – Nickel Plated

Item #	Style #	Description	Finish	Inside Dimension Height	Inside Dimension Width	Material	Standard Package	Wire Diameter
260500	3250	Welded	Nickel Plated	1-3/5 in.	2 in.	Steel	500	0.260 in.
260502	563	Non-Welded	Nickel Plated	3/4 in.	1 in.	Steel	200	0.135 in.
260503	563	Non-Welded	Nickel Plated	5/8 in.	3/4 in.	Steel	500	0.135 in.

Webbing – 3 Bar Slide

Made of stamped steel, nickel plated. Used for garments, parkas, outerwear, equestrian equipment, horse blankets.

Item #	Style #	Size	Standard Package
295531	02300	1 in.	500
295532	02300	1-1/2 in.	500
295534	02300	2 in.	500
295537	03300	2 in.	200

Webbing – Tip For Types I And II Webbing

Flat type. Nickel plated steel.

Item #	Style #	Size	Standard Package
274908	1	1 in.	1000



275012

Webbing – Tip For Types I, II And III Webbing

Ball type. Brass with black finish. Meets Government Specifications MIL-C-496.

Item #	Style #	Size	Standard Package
275008	149	1 in.	1000
275012	149	1-1/2 in.	25



207701

ACW Side Release Buckles

Item #	Style #	Description	Color	Material	Standard Package	Webbing Size
207701	91514 BSR	Side Release Buckle	Black	Acetal	100	1 in.
207726	91409-BSR-DA	Side Release Double Adjust Buckle (BSR Female Only)	Black	Acetal	100	1 in.
207731	91435	Side Release Double Adjust Buckle (MSR Female Only)	Black	Acetal	100	1 in.
207732	91440	Side Release Double Adjust Buckle (MSR Male Only)	Black	Acetal	100	1 in.



585060

Fastex® Side Release Buckle

Can be used on backpacks, camera bags, and many other fastening applications.

Item #	Color	Material	Standard Package	Webbing Size
585030	Black	Acetal	100	1 in.
585060	Black	Acetal	100	1-1/2 in.
585075	Black	Acetal	100	2 in.
585015	Black	Acetal	100	3/4 in.
585031	White	Acetal	100	1 in.

Fastex® is a registered trademark of ITW.



585215

Fastex® Ladderloc™

Can be used on backpacks, camera bags, and many other fastening applications.

Item #	Style #	Color	Material	Standard Package	Webbing Size
585215	154-0075	Black	Acetal	100	3/4 in.
585270	104-2200	Black	Acetal	100	2 in.
585283	154-3100-5614	Black	Acetal	1000	1 in.

Fastex® is a registered trademark of ITW. Ladderloc™ is a trademark of ITW.

ACW Cam Buckles

Item #	Style #	Color	Material	Standard Package	Webbing Size
207720	91390 CB	Black	Acetal	100	1 in.



586430

Fastex® Cam Buckle

This versatile buckle works with a camming action directly against webbing. It provides easy adjustment and high security at the same time and is suitable for a wide range of webbing applications. One-handed quick release.

Item #	Color	Color #	Material	Standard Package	Webbing Size
586430	Black	525	Acetal	100	1 in.

Fastex® is a registered trademark of ITW.



586110

Fastex® Barreloc

Limitless applications include locking sleeping bag and parka hood draw strings. Can be used with either one or two cords.

Item #	Color	Material	Cord Size	Standard Package
586110	Black	Acetal	3/16 in.	100

Fastex® is a registered trademark of ITW.



586578

Fastex® Ellipse Cordloc

Provides an option for a lanyard tie down to assist in hand adjustments.

Item #	Color	Material	Cord Size	Standard Package
586578	Black	Acetal	1/4 in.	1000

Fastex® is a registered trademark of ITW.



585630

Fastex® D-Ring

These D-rings are perfect whenever a sturdy attachment point is required. Unlike metal D-rings, they won't rust or corrode.

Item #	Color	Material	Standard Package	Webbing Size
585630	Black	Acetal	100	1 in.
585660	Black	Acetal	100	1-1/2 in.
585675	Black	Acetal	100	2 in.

Fastex® is a registered trademark of ITW.



585775

Fastex® Looploc

Ideal for holding straps or webbing where no adjustment is needed.

Item #	Style #	Color	Material	Standard Package	Webbing Size
585715	111-0100	Black	Acetal	100	1 in.
585760	111-0150	Black	Acetal	100	1-1/2 in.
585775	111-0200	Black	Acetal	100	2 in.

Fastex® is a registered trademark of ITW.



587300

Fastex® Sewable Grommet

Molded from a toughened nylon, the Sewable Grommet can be sewn directly to fabric or webbing. It will withstand heavy load and stress factors, yet always return to its original shape. It is unaffected by weather and will not snap or pull rope or cord running through it. Unaffected by ultraviolet degradation. Radio frequency bondable.

Item #	Style #	Color	Material	Standard Package
587300	406-0000	Black	Toughened Nylon	500

Fastex® is a registered trademark of ITW.



586920

Fastex® Shock Cord Hook

These shock cord fasteners will not mar or scratch anything they touch. The entire unit is molded, which eliminates the necessity of using a metal crimp ring. They are also rust and corrosion proof. Operates under all weather conditions. Not affected by salt water.

Item #	Style #	Color	Cord Size	Material	Standard Package
586920	605-0250-5614	Black	1/4 in.	Acetal	100
586930	605-0375	Black	5/16 in.	Acetal	100

Fastex® is a registered trademark of ITW.



585975

Fastex® Triglide™ 3 Bar Slide

For sporting, recreational, luggage, medical, apparel and juvenile products. Extremely popular in the floatation and backpacking industries, these buckles can be used wherever webbing closures are needed. Useful in just about any application in which a variable length strap assembly is required.

Item #	Style #	Color	Material	Standard Package	Webbing Size
585930	105-0100	Black	Acetal	100	1 in.
585960	105-0150	Black	Acetal	100	1-1/2 in.
585975	105-0200	Black	Acetal	100	2 in.

Fastex® is a registered trademark of ITW. Triglide™ is a trademark of ITW.



207540



207545



586089

YKK® Fasteners

All plastic hardware.

Item #	Style #	Description	Color	Cord Size	Standard Package	Webbing Size
207540	LBS1	Easy Release Buckle	Black		100	1 "
207543	LBRU1	Heavy Duty Quick Release Buckle	Black		1000	1 "
207545	LBRU1.5	Heavy Duty Quick Release Buckle	Black		1000	1-1/2 "
586089	LC05SHD2	Single Cord Lock with Double Loop	Black	3/16 in.	1500	
585585	93838	Wheel Lock	Black		100	1 in.

YKK® is a registered trademark of YKK Corporation in Japan and other countries/regions.



585310

Snaphook – Interlocking Snaphook

Applications are similar to those of the side release buckle. However, the “tooth” design increases the overall strength.

Item #	Style #	Color	Material	Standard Package
585310	106-1000	Black	Delrin®	100

Delrin® is a registered trademark of E.I. Dupont de Nemours and Company, Inc.



Snaphook – Retainer

Item #	Style #	Color	Material	Size	Standard Package
585430	108-0100	Black	Delrin®	1 in.	100
585460	108-0150	Black	Delrin®	1-1/2 in.	100

Delrin® is a registered trademark of E.I. Dupont de Nemours and Company, Inc.



Snaphook – Standard Snaphook

Used most often for detachable shoulder straps.

Item #	Style #	Color	Material	Standard Package
585300	106-0000	Black	Delrin®	100

Delrin® is a registered trademark of E.I. Dupont de Nemours and Company, Inc.

DOT® Fasteners Two-Digit Letter Prefixes to Part Numbers

BS	Brass Strip
NS	Stainless Steep Strip
PS	Plastic
X2	All Brass Components
X8	Brass with Stainless Steel Screw
XB	All Brass Components
XE	Brass with Fiber Filler
XN	All Stainless Components
XV	Brass with Colored Nylon Cover
XX	Components of Various Materials

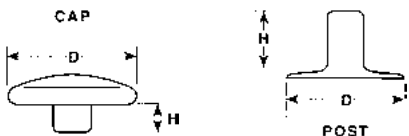
DOT® Fasteners One-Digit Number Suffixes to Part Numbers

Screw Length (In.)	DOT Code
1/4	2
3/8	4
7/16	5
1/2	6
5/8	7
1	8



DOT® Baby Durable™

An intermediate size snap fastener. Baby Durable provides firm snap action and strong holding power without being visually prominent on the end item.



Item #	Style #	Description	Finish	Size	Standard Package
230993	94-XB-12205-2C	Socket	Black Oxide		1000
230480	94-XB-12205-1D	Socket	Bright Brass		100
230483	94-XX-12206-1D	Socket	Bright Brass		100
230991	94-X2-12108-2B	Cap	Government Black	3/16 in.	1000
230478	94-X2-12126-1B	Cap	Government Black	19/64 in.	100
230479	94-XB-12105-1B	Linge Cap	Government Black	1/8 in.	100
230997	94-BS-12402-2C	Post	Government Black	3/16 in.	1000
230472	94-BS-12404-1C	Post	Government Black	1/4 in.	100
230473	94-BS-12405-1C	Post	Government Black	1/4 in.	100
230475	94-BS-12407-1C	Post	Government Black	3/16 in.	100
230476	94-X2-12108-1B	Post	Government Black	3/16 in.	100
230482	94-XX-12206-1C	Socket	Government Black		100
230469	94-BS-12302-1C	Stud, Narrow Flange	Government Black		100



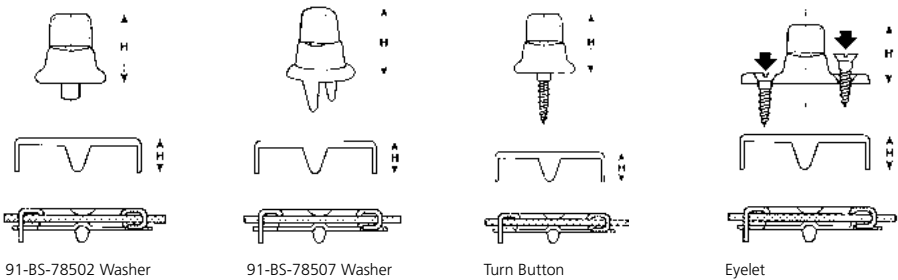
Item #	Style #	Description	Finish	Size	Standard Package
230471	94-BS-12303-1C	Stud, Wide Flange	Government Black		100
230995	94-BS-12302-2C	Stud	Government Black		1000
230998	94-BS-12303-2C	Stud	Government Black		1000
230477	94-X2-12126-1A	Cap	Nickel Plated	19/64 in.	100
230717	94-XB-12105-4A	Cap	Nickel Plated		100
230794	94-BS-12402-1A	Post	Nickel Plated	3/16 in.	100
230795	94-BS-12404-2A	Post	Nickel Plated	1/4 in.	1000
230474	94-BS-12407-1A	Post	Nickel Plated	3/16 in.	100
230792	94-XB-12205-4A	Socket	Nickel Plated		100
230481	94-XX-12206-1A	Socket	Nickel Plated		100
230470	94-BS-12303-1A	Stud, Wide Flange	Nickel Plated		100
230959	94-BS-12303-2A	Stud	Nickel Plated		1000

DOT® is a registered trademark of Scovill Fasteners, Inc. Baby Durable™ is a trademark of Scovill Fasteners, Inc.

DOT® Common Sense® / Curtain Fasteners

Curtain fasteners are available in black oxide, gilt or nickel-plated finish. All studs have rust-resistant brass springs. Sold in full package lots of 100 and1000 pieces.

For Style #s XB78322 and XB78323, a #6 oval head wood screw is recommended for wood and a #6 flat head screw of appropriate length for other materials.



Item #	Style #	Description	Finish	Height	Size	Standard Package	Tools Part Number
230509	91-PS-78511-49	Plastic Washer				100	
230207	91-BS-78507-2D	Back Plate	Gilt			1000	171 (#275575)
230403	91-BS-78403-1E	Eyelet	Gilt			100	C4-450 (#216045)
230203	91-BS-78403-2E	Eyelet	Gilt			1000	C4-450 (#216045)
230423	91-XB-78323-1E	Turn Button Double Height Two Screw Holes	Gilt			100	
230223	91-XB-78323-2E	Turn Button Double Height Two Screw Holes	Gilt			1000	
230426	91-XB-783247-1E	Turn Button Screw Stud	Gilt		5/8 in.	100	89-9908 (#275584)
230226	91-XB-783247-2E	Turn Button Screw Stud	Gilt		5/8 in.	1000	89-9908 (#275584)
230422	91-XB-78322-1E	Turn Button Two Screw Holes	Gilt			100	
230405	91-BS-78505-1D	Washer	Gilt			100	
230205	91-BS-78505-2D	Washer	Gilt			1000	
230446	91-BS-78502-1C	Back Plate	Government Black			100	
230580	91-BS-78403-1G	Eyelet	Government Black			100	C4-450 (#216045)
230380	91-BS-78403-2G	Eyelet	Government Black			1000	C4-450 (#216045)
230537	91-BS-78404-1G	Eyelet	Government Black	0.315 (H)		100	
230587	91-XB-78332-1G	Turn Button Double Prong	Government Black			100	171 (#275575)



230228



230303



230305



230307



230311



230323



230332



230504



230549

Item #	Style #	Description	Finish	Height	Size	Standard Package	Tools Part Number
230386	91-XB-78322-2G	Turn Button Two Screw Holes	Government Black			1000	
230448	91-XB-78317-1G	Turn Button	Government Black			100	
230449	91-XB-78322-1G	Turn Button	Government Black			100	
230450	91-XB-78323-1G	Turn Button	Government Black			100	
230581	91-BS-78505-1C	Washer	Government Black			100	
230381	91-BS-78505-2C	Washer	Government Black			1000	
230447	91-BS-78510-1C	Washer	Government Black			100	
230520	91-X8-783247-1A	Turn Button Screw Stud	Nickel Plated, Stainless Steel Stud		5/8 in.	100	89-9908 (#275584)
230228	91-X8-783247-2A	Turn Button Screw Stud	Nickel Plated, Stainless Steel Stud		5/8 in.	1000	89-9908 (#275584)
230504	91-BS-78502-1A	Back Plate	Nickel Plated			100	
230307	91-BS-78507-2A	Back Plate	Nickel Plated			1000	171 (#275575)
230507	91-BS-78507-4A	Back Plate	Nickel Plated			100	171 (#275575)
230534	91-BS-78404-4A	Eyelet (Long)	Nickel Plated			100	
230303	91-BS-78403-2A	Eyelet	Nickel Plated			1000	C4-450 (#216045)
230503	91-BS-78403-4A	Eyelet	Nickel Plated			100	C4-450 (#216045)
230527	91-XB-783257-1A	Turn Button Double Height Screw Stud	Nickel Plated		5/8 in.	100	89-9908 (#275584)
230327	91-XB-783257-2A	Turn Button Double Height Screw Stud	Nickel Plated		5/8 in.	1000	89-9908 (#275584)
230323	91-XB-78323-2A	Turn Button Double Height Two Screw Holes	Nickel Plated			1000	
230523	91-XB-78323-4A	Turn Button Double Height Two Screw Holes	Nickel Plated			100	
230533	91-XB-78333-1A	Turn Button Double Prong Double Height	Nickel Plated			100	171 (#275575)
230332	91-XB-78332-2A	Turn Button Double Prong	Nickel Plated			1000	171 (#275575)
230532	91-XB-78332-4A	Turn Button Double Prong	Nickel Plated			100	171 (#275575)
230326	91-XB-783247-2A	Turn Button Screw Stud	Nickel Plated		5/8 in.	1000	89-9908 (#275584)
230526	91-XB-783247-4A	Turn Button Screw Stud	Nickel Plated		5/8 in.	100	89-9908 (#275584)
230220	91-XX-783157-2A	Turn Button Screw Stud	Nickel Plated		5/8 in.	1000	
230500	91-XX-783157-4A	Turn Button Screw Stud	Nickel Plated		5/8 in.	100	89-9908 (#275584)
230322	91-XB-78322-2A	Turn Button Two Screw Holes	Nickel Plated			1000	
230522	91-XB-78322-4A	Turn Button Two Screw Holes	Nickel Plated			100	
230549	91-XB-78317-4A	Turn Button	Nickel Plated			100	
230530	91-XB-78318-1A	Turn Button	Nickel Plated			100	
230305	91-BS-78505-2A	Washer	Nickel Plated			1000	
230505	91-BS-78505-4A	Washer	Nickel Plated			100	
230311	91-BS-78510-2A	Washer	Nickel Plated			1000	
230508	91-BS-78510-4A	Washer	Nickel Plated			100	

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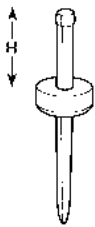


230932

DOT® Durable™ Blind Rivet Stud

This component will provide the installer with a convenient method for securing a stud on hard surfaces such as steel, aluminum, tubing and panels.

Blind Rivet Studs are set in the same manner as typical pop rivets and eliminate the need for threading a stud into a pre-drilled hole or using a machine screw and nut combination. Used with the X2-10128 Button and XB-10224 Socket or similar combinations.



Item #	Style #	Finish	Size	Standard Package
230772	93-X8-10314-1A	Nickel Plated, Stainless Steel Mandrel	0.299 in.(H), Mandrel Head and Rivet Pin	100
230932	93-X8-10314-2A	Nickel Plated, Stainless Steel Mandrel	0.299 in.(H), Mandrel Head and Rivet Pin	1000
230774	93-X8-10319-1A	Nickel Plated, Stainless Steel Mandrel	0.486 in. (H), Mandrel Head and Rivet Pin	100

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229625

DOT® Durable™ Enamel

These ultraviolet stabilized enamel painted caps are in popular demand. The generous color selection is designed to match or compliment a wide variety of today's most popular marine fabrics. Available in packs of 100 and 1000.

Item #	Style #	Color	Size	Standard Package
229684	93-X8-10128-9024-1V	Bahama Berry	11/64 in. Barrel	100
229601	93-X2-10128-1339-1V	Black	11/64 in. Barrel	100
229901	93-X2-10128-1339-2V	Black	11/64 in. Barrel	1000
229650	93-X8-10128-1339-1V	Black	11/64 in. Barrel	100
229669	93-X8-10128-9009-1V	Blue Marlin	11/64 in. Barrel	100
229617	93-X2-10128-2595-1V	Butternut Beige	11/64 in. Barrel	100
229660	93-X8-10128-9000-1V	Cadet Grey	11/64 in. Barrel	100
229625	93-X2-10128-9000-1V	Cadet Grey	11/64 in. Barrel	100
229623	93-X2-10128-9002-1V	Captain Navy	11/64 in. Barrel	100
229662	93-X8-10128-9002-1V	Captain Navy	11/64 in. Barrel	100
229620	93-X2-10128-1473-1V	Dark Green	11/64 in. Barrel	100
229600	93-X2-10128-1534-1V	Dull Black	11/64 in. Barrel	100
229900	93-X2-10128-1534-2V	Dull Black	11/64 in. Barrel	1000
229653	93-X8-10128-1534-1V	Dull Black	11/64 in. Barrel	100
229655	93-X8-10128-2234-1V	Foliage Green	11/64 in. Barrel	100
229664	93-X8-10128-9004-1V	Heather Beige	11/64 in. Barrel	100
229632	93-X2-10128-9004-1V	Heather Beige	11/64 in. Barrel	100
229688	93-X8-10128-9028-1V	Jericho Tan	11/64 in. Barrel	100
229604	93-X2-10128-1487-1V	Lindy	11/64 in. Barrel	100
229629	93-X2-10128-9030-1V	Logo Red	11/64 in. Barrel	100
229690	93-X8-10128-9030-1V	Logo Red	11/64 in. Barrel	100
229611	93-X2-10128-1290-1V	Medium Turquoise	11/64 in. Barrel	100
229615	93-X2-10128-2104-1V	Mulberry	11/64 in. Barrel	100
229672	93-X8-10128-9012-1V	Ranch Blue	11/64 in. Barrel	100
229622	93-X2-10128-9012-1V	Ranch Blue	11/64 in. Barrel	100
229671	93-X8-10128-9011-1V	Shingle Grey	11/64 in. Barrel	100
229693	93-X8-10128-9033-1V	Smoke Ring	11/64 in. Barrel	100
229666	93-X8-10128-9006-1V	Taupe	11/64 in. Barrel	100
229665	93-X8-10128-9005-1V	Toast	11/64 in. Barrel	100
229696	93-X8-10128-9036-1V	True Brown	11/64 in. Barrel	100

Item #	Style #	Color	Size	Standard Package
229624	93-X2-10128-9031-1V	Walden White	11/64 in. Barrel	100
229902	93-X2-10128-1959-2V	White	11/64 in. Barrel	1000
229602	93-X2-10128-1959-1V	White	11/64 in. Barrel	100
229654	93-X8-10128-1959-1V	White	11/64 in. Barrel	100
229630	93-X2-10128-3209-1V	Winter Wheat	11/64 in. Barrel	100
229658	93-X8-10128-3209-1V	Winter Wheat	11/64 in. Barrel	100

DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.

DOT® Durable™ Mariner™

High ultraviolet resistant plastic cap with a super-strong, self-piercing eyelet. Size matches the standard all-brass construction DOT Durable button.



230881

Item #	Style #	Color	Standard Package
230681	93-XV-10150-1X	Black	100
230881	93-XV-10150-2X	Black	1000
230682	93-XV-10150-11	Red	100
230680	93-XV-10150-1V	White	100

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230784



230705



230727



230728



230740



230758



230760



230899



230900

DOT® Durable™

Durable Fasteners are a medium-sized heavy-duty button type snap fastener. They are used largely by manufacturers of boat covers, porch curtains and industrial curtains. These fasteners are available in nickel or black finish on brass. Sold only in full package lots of 100, 1,000 or 10,000 pieces where indicated. Certain durable fasteners meet Government Specification MS-27980.

Item #	Style #	Description	Finish	For Use With	Hand Tools Part Number	Machine Tools Part Number	Size	Standard Package
230464	93-X2-10127-1E	Cap	Bright Brass				1/4 in. (H)	100
230458	93-BS-10379-1D	Eyelet Stud, Low Shelf	Bright Brass					100
230459	93-BS-10413-1D	Post	Bright Brass				5/16 in. (H)	100
230460	93-BS-10414-1D	Post	Bright Brass				3/8 in. (H)	100
230468	93-XX-10224-1D	Socket	Bright Brass					100
230463	93-X2-10112-1B	Cap	Government Black				5/16 in. (H)	100
230784	93-X2-10127-1B	Cap	Government Black	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	1/4 in. Barrel	100
230888	93-X2-10127-2B	Cap	Government Black	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	1/4 in. Barrel	1000
230780	93-X2-10128-1B	Cap	Government Black	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	11/64 in. Barrel	100

Item #	Style #	Description	Finish	For Use With	Hand Tools Part Number	Machine Tools Part Number	Size	Standard Package
230898	93-X2-10128-2B	Cap	Government Black	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	11/64 in. Barrel	1000
230465	93-X8-10128-1B	Cap	Government Black				11/64 in. (H)	100
230455	93-BS-10123-1C	Carpet Snap, Ring	Government Black					100
230467	93-XX-10222-1C	Carpet Snap, Socket	Government Black					100
230457	93-BS-10379-1C	Eyelet Stud, Low Shelf	Government Black					100
230729	93-XB-10342-1C	Gypsy Stud	Government Black			9557		100
230783	93-BS-10412-1C	Post	Government Black	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	1/4 in.	100
230895	93-BS-10412-2C	Post	Government Black	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	1/4 in. (H)	1000
230788	93-BS-10414-1C	Post	Government Black				3/8 in. (H)	100
230781	93-XB-10224-1C	Socket	Government Black	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		100
230896	93-XB-10224-2C	Socket	Government Black	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		1000
230786	93-XX-10224-1C	Socket	Government Black	10127 (#230701, #230899, #230784, #230888), 10128 (#230702)	164H (#248160)	1410 (#223510)		100
230787	93-XX-10224-2C	Socket	Government Black	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		1000
230782	93-BS-10370-1C	Stud	Government Black	93-BS-10413-1A (#230741), 93-BS-10413-2A (#230924)	164H (#248160)	1412 (#223512)		100
230897	93-BS-10370-2C	Stud	Government Black	93-BS-10413-1A (#230741), 93-BS-10413-2A (#230924)	164H (#248160)	1412 (#223512)		1000
230703	93-X2-10129-1A	20 Ligne Cap	Nickel Plated	10231 (#230838), 10342 (#230728, #230729, and #230935)	10342 (#275428)	9557 (#275580)	3/16 in. Barrel	100

Item #	Style #	Description	Finish	For Use With	Hand Tools Part Number	Machine Tools Part Number	Size	Standard Package
230462	93-X2-10112-1A	Cap	Nickel Plated				5/16 in. (H)	100
230701	93-X2-10127-1A	Cap	Nickel Plated	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	1/4 in. Barrel	100
230899	93-X2-10127-2A	Cap	Nickel Plated	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	1/4 in. Barrel	1000
230702	93-X2-10128-1A	Cap	Nickel Plated	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	11/64 in. Barrel	100
230900	93-X2-10128-2A	Cap	Nickel Plated	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	11/64 in. Barrel	1000
230890	93-X2-10128-3A	Cap	Nickel Plated				11/64 in. Barrel	10000
230456	93-BS-10373-1A	Eyelet Stud, without Flange	Nickel Plated					100
230728	93-XB-10342-1A	Gypsy Stud	Nickel Plated	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)		9557 (#275580)		100
230935	93-XB-10342-2A	Gypsy Stud	Nickel Plated	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)		9557 (#275580)		1000
230918	93-XB-103934-2A	Nickel Plated, Steel Screw	Nickel Plated		169N (#275504)		3/8 in.	1000
230737	93-XB-103934-4A	Nickel Plated, Steel Screw	Nickel Plated		169N (#275504)			100
230921	93-XB-103937-2A	Nickel Plated, Steel Screw	Nickel Plated		169N (#275504)		5/8 in.	1000
230756	93-XB-103937-4A	Nickel Plated, Steel Screw	Nickel Plated		169N (#275504)		5/8 in.	100
230749	93-XB-107084-1A	Nickel Plated, Steel Screw	Nickel Plated		169N (#275504)		3/8 in.	100
230753	93-XB-107087-1A	Nickel Plated, Steel Screw	Nickel Plated		169N (#275504)		5/8 in.	100
230740	93-BS-10412-1A	Post	Nickel Plated	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	1/4 in. (H)	100
230912	93-BS-10412-2A	Post	Nickel Plated	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	9936 (#223503)	1/4 in. (H)	1000
230741	93-BS-10413-1A	Post	Nickel Plated	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	5/16 in. (H)	100

Item #	Style #	Description	Finish	For Use With	Hand Tools Part Number	Machine Tools Part Number	Size	Standard Package
230924	93-BS-10413-2A	Post	Nickel Plated	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	5/16 in. (H)	1000
230743	93-BS-10414-1A	Post	Nickel Plated	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	3/8 in. (H)	100
230926	93-BS-10414-2A	Post	Nickel Plated	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	3/8 in. (H)	1000
230705	93-XB-10224-1A	Socket	Nickel Plated	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		100
230901	93-XB-10224-2A	Socket	Nickel Plated	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		1000
230891	93-XB-10224-3A	Socket	Nickel Plated					10000
230838	93-XB-10231-1A	Socket	Nickel Plated	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		100
230930	93-XB-10231-2A	Socket	Nickel Plated	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		1000
230706	93-XX-10224-1A	Socket	Nickel Plated	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		100

Item #	Style #	Description	Finish	For Use With	Hand Tools Part Number	Machine Tools Part Number	Size	Standard Package
230917	93-XX-10224-2A	Socket	Nickel Plated	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		1000
230727	93-BS-10370-1A	Stud	Nickel Plated	93-BS-10412-1A (#230740), 93-BS-10412-2A (#230912), 93-BS-10412-1C (#230783), 93-BS-10412-2C (#230895), 93-BS-10412-3A (#230893)	164H (#248160)	1412 (#223512)		100
230905	93-BS-10370-2A	Stud	Nickel Plated	93-BS-10412-1A (#230740), 93-BS-10412-2A (#230912), 93-BS-10412-1C (#230783), 93-BS-10412-2C (#230895), 93-BS-10412-3A (#230893)	164H (#248160)	1412 (#223512)		1000
230892	93-BS-10370-3A	Stud	Nickel Plated					10000
230916	93-BS-10379-2A	Stud	Nickel Plated					1000
230744	93-BS-10379-4A	Stud	Nickel Plated					100
230738	93-XX-10388-1A	Nickel Plated, Stainless Steel Clip	Nickel Plated/ Stainless Steel Clip				3/4 in. x 9/16 in.	100
230909	93-XX-10388-2A	Nickel Plated, Stainless Steel Clip	Nickel Plated/ Stainless Steel Clip				3/4 in. x 9/16 in.	1000
230745	93-XX-10391-1A	Nickel Plated, Stainless Steel Clip	Nickel Plated/ Stainless Steel Clip				7/8 in. x 9/16 in.	100
230934	93-X8-103015- 2A	Nickel Plated, Stainless Steel Screw	Nickel Plated/ Stainless Steel Screw		169N (#275504)		7/16 in.	1000
230764	93-X8-103015- 4A	Nickel Plated, Stainless Steel Screw	Nickel Plated/ Stainless Steel Screw		169N (#275504)		7/16 in.	100
230936	93-X8-103017- 2A	Nickel Plated, Stainless Steel Screw	Nickel Plated/ Stainless Steel Screw		169N (#275504)		5/8 in.	1000
230766	93-X8-103017- 4A	Nickel Plated, Stainless Steel Screw	Nickel Plated/ Stainless Steel Screw		169N (#275504)		5/8 in.	100
230768	93-X8-103025- 4A	Nickel Plated, Stainless Steel Screw	Nickel Plated/ Stainless Steel Screw		169N (#275504)		7/16 in.	100
230769	93-X8-103027- 4A	Nickel Plated, Stainless Steel Screw	Nickel Plated/ Stainless Steel Screw		169N (#275504)		5/8 in.	100
230911	93-X8-103934- 2A	Nickel Plated, Stainless Steel Screw	Nickel Plated/ Stainless Steel Screw		169N (#275504)		3/8 in.	1000
230739	93-X8-103934- 4A	Nickel Plated, Stainless Steel Screw	Nickel Plated/ Stainless Steel Screw		169N (#275504)		3/8 in.	100
230923	93-X8-103937- 2A	Nickel Plated, Stainless Steel Screw	Nickel Plated/ Stainless Steel Screw		169N (#275504)		5/8 in.	1000
230843	93-X8-103937- 2C	Nickel Plated, Stainless Steel Screw	Nickel Plated/ Stainless Steel Screw		169N (#275504)		5/8 in.	1000

Item #	Style #	Description	Finish	For Use With	Hand Tools Part Number	Machine Tools Part Number	Size	Standard Package
230758	93-X8-103937-4A	Nickel Plated, Stainless Steel Screw	Nickel Plated/Stainless Steel Screw		169N (#275504)		5/8 in.	100
230760	93-X8-103938-1A	Nickel Plated, Stainless Steel Screw	Nickel Plated/Stainless Steel Screw	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XX-10224-2C (#230787), 93-XX-10224-1A (#230706), 93-XX-10224-2A (#230917), 93-XB-10224-3A (#230891)	169N (#275504)		1 in.	100
230466	93-X8-107041-1A	Nickel Plated, Stainless Steel Screw	Nickel Plated/Stainless Steel Screw				3/16 in.	100
231117	93-X8-107044-1A	Nickel Plated, Stainless Steel Screw	Nickel Plated/Stainless Steel Screw					100
230850	93-X8-109344-2A	Nickel Plated, Stainless Steel Screw	Nickel Plated/Stainless Steel Screw				3/8 in.	1000
230723	93-X8-109344-4A	Nickel Plated, Stainless Steel Screw	Nickel Plated/Stainless Steel Screw				3/8 in.	100
230851	93-X8-109347-2A	Nickel Plated, Stainless Steel Screw	Nickel Plated/Stainless Steel Screw				5/8 in.	1000
230765	93-X8-109347-4A	Nickel Plated, Stainless Steel Screw	Nickel Plated/Stainless Steel Screw				5/8 in.	100
230939	93-X8-103027-2A	Screw Stud	Nickel Plated/Stainless Steel Screw		169N (#275504)		5/8 in.	1000
230913	93-XX-103624-2A	Nickel Plated, Steel Screw	Nickel Plated/Steel Screw		169N (#275504)		3/8 in.	1000
230713	93-XX-103624-4A	Nickel Plated, Steel Screw	Nickel Plated/Steel Screw		169N (#275504)		3/8 in.	100
230922	93-XX-103627-2A	Nickel Plated, Steel Screw	Nickel Plated/Steel Screw		169N (#275504)		5/8 in.	1000
230715	93-XX-103627-4A	Nickel Plated, Steel Screw	Nickel Plated/Steel Screw		169N (#275504)		5/8 in.	100
230501	93-XN-10135-1U	Snap Cap / Open Top Button / Pilot Hole Cap	Stainless Steel					100

Teks® is a registered trademark of Illinois Tool Works, Inc.



230655



230657

DOT® Durable™ Stainless

Item #	Style #	Description	Material	Size	Standard Package
231008	93-XN-10616-2U	Buckle	Stainless Steel		1000
230670	93-XN-10127-1U	Cap	Stainless Steel	1/4 in. Barrel	100
231000	93-XN-10127-2U	Cap	Stainless Steel	1/4 in. Barrel	1000
230974	93-XN-10128-2U	Cap	Stainless Steel	11/64 in. Barrel	1000
230664	93-XN-10128-4U	Cap	Stainless Steel	11/64 in. Barrel	100
230676	93-ZN-10127-1U	Cap	Stainless Steel	1/4 in. Barrel	100
230665	93-ZN-10128-1U	Cap	Stainless Steel	11/64 in. Barrel	100
230692	93-ZS-10413-1U	Cap	Stainless Steel	5/16 in. (H)	100



230659



230666



230667

Item #	Style #	Description	Material	Size	Standard Package
230667	93-NS-10412-1U	Post	Stainless Steel		100
230977	93-NS-10412-2U	Post	Stainless Steel		1000
230461	93-NS-10413-1U	Post	Stainless Steel	0.295 (H)	100
230687	93-ZS-10412-1U	Post	Stainless Steel	1/4 in. (H)	100
230659	93-XN-103934-1U	Screw Stud	Stainless Steel	3/8 in.	100
230970	93-XN-103934-2U	Screw Stud	Stainless Steel	3/8 in.	1000
230661	93-XN-103937-1U	Screw Stud	Stainless Steel	5/8 in.	100
230971	93-XN-103937-2U	Screw Stud	Stainless Steel	5/8 in.	1000
230969	93-XN-10224-2U	Socket	Stainless Steel		1000
230657	93-XN-10224-4U	Socket	Stainless Steel		100
230972	93-ZN-10224-1U	Socket	Stainless Steel		100
230973	93-ZN-10224-2U	Socket	Stainless Steel		1000
230666	93-NS-10370-1U	Stud	Stainless Steel		100
230976	93-NS-10370-2U	Stud	Stainless Steel		1000
230983	93-ZS-10370-1U	Stud	Stainless Steel		100

DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.

Fasnap® Rib Tree Bolster Fasteners

This 3/4 inch panel fastener with ribbed shank assures easy installation and secure hold. One ribbed end is pushed into primary panel to retain clip. Second panel is pushed down onto projecting ribbed end to complete the assembly.

Item #	Description	Material	Size	Standard Package
231085	3/4 in. double end clip with inner stop 1/2 in. x 7/8 in.	Plastic	3/4 in.	100

231085

Fasnap® is a registered trademark of The Fasnap Corporation.

Fasnap® Fasteners

High rust and corrosion resistant cap, normal action socket, stud, and eyelet. The cap and eyelet are, in many instances, able to self-pierce through multiple layers of fabric. All four components are interchangeable with nickel-plated brass screw studs or other snap fasteners and tools, eliminating special die requirements.

Item #	Style #	Description	Finish	Material	Screw Size	Size	Standard Package	Type
230960	SS4650AR	Cap		Stainless Steel		3/16-in. Barrel	1000	
230688	SSC4650AR	Cap		Stainless Steel		3/16-in. Barrel	100	
230968	SC4647D/ SS4647D	Post		Stainless Steel		1/4 in.	1000	
230696	SSC4647D	Post		Stainless Steel		1/4 in.	100	
230691	SSC4650B	Socket		Stainless Steel			100	
230963	SSC4650B/ SS4650B	Socket		Stainless Steel			1000	
230694	SSC4650C	Stud		Stainless Steel			100	
230966	SSC4650C/ SS4650C	Stud		Stainless Steel			1000	
231026	BN4647AR	Cap	Nickel Plated	Brass		3/16-in. Barrel	1000	
230767	BNSC705921	Oversized Screw Stud	Nickel Plated	Brass	#10 Screw	5/8 in.	100	5/8 in. #10 Screw
231096	BHST705916	Screw Stud	Nickel Plated	Brass	#8 Tek's Screw	1/2 in.	100	1/2-in. #8 Hardened Tek's Screw

230671



230691



230694



230696



230960

Item #	Style #	Description	Finish	Material	Screw Size	Size	Standard Package	Type
230671	BNCT705916	Screw Stud	Nickel Plated	Brass	#8 Teks Screw	1/2 in.	100	1/2-in. #8 Teks Screw
231027	BN4647B	Socket	Nickel Plated	Brass			1000	

Fasnap® is a registered trademark of The Fasnap Corporation.



DOT® Lift-The-Dot®

Featured below are styles available, complete with parts indicated. Sold only in full package lots of 100 pieces or 1000 pieces. Lift-The-Dot Fasteners are available in nickel or black oxide finish. Certain Lift-The-Dot fasteners meet Government Specification MS-27977. Strong and heavy duty, Lift-The-Dot fasteners lock on three sides and are opened by lifting the fourth side where the Dot and the Lift-The-Dot trademark appear.

Item #	Style #	Description	Finish	For Use On	For Use With	Hand Tools Part Number	Height	Machine Tools Part Number	Size	Standard Package
230956	90-PS-16510-29	Clear Washer		Canvas	90-XX-16205-1A (#230601), 90-XX-16205-2A (#230940), 90-XX-16205-1B (#230649), 90-XX-16205-2B (#230978), 90-BS-16506-1A (#230637), 90-BS-16506-2A (#230647), 90-BS-16506-2C (#230979)					1000
230656	90-PS-16510-49	Clear Washer		Canvas	90-XX-16205-1A (#230601), 90-XX-16205-2A (#230940), 90-XX-16205-1B (#230649), 90-XX-16205-2B (#230978), 90-BS-16506-1A (#230637), 90-BS-16506-2A (#230647), 90-BS-16506-2C (#230979)					100
230438	90-BS-16506-1C	Back Plate	Government Black							100
230979	90-BS-16506-2C	Back Plate	Government Black	Canvas	90-XX-16205-1A (#230601), 90-XX-16205-2A (#230940), 90-XX-16205-1B (#230649), 90-XX-16205-2B (#230978), 90-XX-16206-1A (#230602), 90-XX-16206-2A (#230647), 90-XX-16206-2B (#230654)			1455 (#223555)		1000
230649	90-XX-16205-1B	Socket	Government Black	Canvas	90-BS-16506-1A (#230637), 90-BS-16506-2A (#230951), 90-BS-16506-2C (#230979), 90-PS-16510-19 (#230656), 90-PS-16510-29 (#230956)			1454 (#223554)		100
230978	90-XX-16205-2B	Socket	Government Black	Canvas	90-BS-16506-1A (#230637), 90-BS-16506-2A (#230951), 90-BS-16506-2C (#230979), 90-PS-16510-19 (#230656), 90-PS-16510-29 (#230956)			1454 (#223554)		1000
230436	90-BS-16349-1B	Stud	Government Black							100
230440	90-XB-16358-1B	Stud	Government Black							100
230437	90-BS-16501-1C	Washer	Government Black							100

Item #	Style #	Description	Finish	For Use On	For Use With	Hand Tools Part Number	Height	Machine Tools Part Number	Size	Standard Package
230439	90-BS-16509-1C	Washer	Government Black							100
230637	90-BS-16506-1A	Back Plate	Nickel Plated	Canvas	90-XX-16205-1A (#230601), 90-XX-16205-2A (#230940), 90-XX-16205-1B (#230649), 90-XX-16205-2B (#230978), 90-XX-16206-1A (#230602), 90-XX-16206-2A (#230647), 90-XX-16206-2B (#230654)					100
230951	90-BS-16506-2A	Back Plate	Nickel Plated	Canvas	90-XX-16205-1A (#230601), 90-XX-16205-2A (#230940), 90-XX-16205-1B (#230649), 90-XX-16205-2B (#230978), 90-XX-16206-1A (#230602), 90-XX-16206-2A (#230647), 90-XX-16206-2B (#230654)	9940 (#275573)		1455 (#223555)		1000
230602	90-XX-16206-1A	Socket Long Prong	Nickel Plated	Canvas	90-BS-16506-1A (#230637), 90-BS-16506-2A (#230951), 90-BS-16506-2C (#230979), 90-PS-16510-19 (#230656), 90-PS-16510-29 (#230956)		0.275"	1454 (#223554)		100
230601	90-XX-16205-1A	Socket Short Prong	Nickel Plated	Canvas	90-BS-16506-1A (#230637), 90-BS-16506-2A (#230951), 90-BS-16506-2C (#230979), 90-PS-16510-19 (#230656), 90-PS-16510-29 (#230956)			1454 (#223554)		100
230940	90-XX-16205-2A	Socket	Nickel Plated	Canvas	90-BS-16506-1A (#230637), 90-BS-16506-2A (#230951), 90-BS-16506-2C (#230979), 90-PS-16510-19 (#230656), 90-PS-16510-29 (#230956)			1454 (#223554)		1000
230608	90-BS-16349-1A	Stud	Nickel Plated	Canvas	90-BS-16501-1A (#230636)	171 (#275575)				100
230610	90-XB-16358-1A	Stud	Nickel Plated	Canvas	90-BS-16509-1A (#230638), 90-BS-16509-2A (#230952), 90-BS-16509-2C (#230652)	9940 (#275573)		1456 (#223556)		100
230944	90-XB-16358-2A	Stud	Nickel Plated	Canvas	90-BS-16509-1A (#230638), 90-BS-16509-2A (#230952), 90-BS-16509-2C (#230652)	9940 (#275573)		1456 (#223556)		1000
231120	90-XB-16368-1A	Stud	Nickel Plated	Canvas, Metal, Plastic	90-XX-16205-1A (#230601), 90-XX-16205-2A (#230940), 90-XX-16205-1B (#230649), 90-XX-16205-2B (#230978), 90-XX-16206-1A (#230602), 90-XX-16206-2A (#230647), 90-XX-16206-2B (#230654)	9940 (#275573)				100
230636	90-BS-16501-1A	Washer	Nickel Plated	Canvas	90-BS-16349-1A (#230608)			8042 (#275480)		100
230638	90-BS-16509-1A	Washer	Nickel Plated	Canvas	90-XB-16358-1A (#230610), 90-XB-16358-2A (#230944), 90-XB-16358-2B (#230651)			1457 (#223557)		100
230952	90-BS-16509-2A	Washer	Nickel Plated	Canvas	90-XB-16358-1A (#230610), 90-XB-16358-2A (#230944), 90-XB-16358-2B (#230651)			1457 (#223557)		1000
230618	90-XB-163624-1A	Screw Stud	Nickel Plated/ Brass Screw	Metal		169B (#275502)			3/8 in.	100
230630	90-X8-16376-1A	Nickel Plated, Stainless Steel Clip	Nickel Plated/ Stainless Steel Clip						3/4 in.	100
230624	90-X8-163604-4A	Nickel Plated, Stainless Steel Screw	Nickel Plated/ Stainless Steel Screw	Wood		169B (#275502)			3/8 in.	100

Item #	Style #	Description	Finish	For Use On	For Use With	Hand Tools Part Number	Height	Machine Tools Part Number	Size	Standard Package
230620	90-X8-163606-4A	Nickel Plated, Stainless Steel Screw	Nickel Plated/Stainless Steel Screw	Wood, Metal, Plastic		169B (#275502)			1/2 in.	100
231125	90-X8-163607-1A	Nickel Plated, Stainless Steel Screw	Nickel Plated/Stainless Steel Screw	Metal, Plastic		169B (#275502)			5/8 in.	100

DOT® and Lift-The-Dot® are registered trademarks of Scovill Fasteners, Inc.



230800



230801



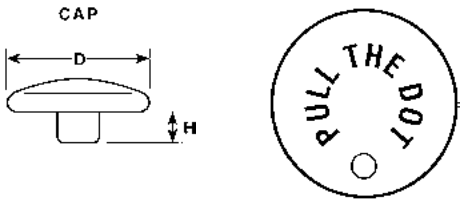
230802



230803

DOT® Pull-The-Dot®

The Pull-The-Dot Fastener is a side-locking snap fastener, similar to the Durable™ Glove-style fastener, except for its “built-in” locking feature. This fastener will withstand extreme pressure on three sides without unlocking, yet will release instantly on the fourth side if one “pulls the dot” embossed on one side of the button. Pull-The-Dots have no sharp edges or protrusions to tear or mar the fabric to be fastened.



Since the socket opens only on one side, care must be taken that the button and socket are set so that the fastener can be opened at the desired position.

Item #	Style #	Description	Finish	Standard Package
230819	92-XE-18100-A2B	Cap	Government Black	1000
230454	92-XE-18103-A1B	Cap	Government Black	100
230842	92-XX-18201-2C	Socket	Government Black	1000
230799	92-BS-18303-2C	Stud	Government Black	1000
230803	92-X8-183074-1A	Stud	Nickel Plated, Stainless Steel Screw	100
230800	92-XE-18100-A1A	Cap	Nickel	100
230820	92-XE-18100-A2A	Cap	Nickel	1000
230453	92-XE-18103-A1A	Cap	Nickel	100
230801	92-XX-18201-1A	Socket	Nickel	100
230821	92-XX-18201-2A	Socket	Nickel	1000
230802	92-BS-18303-1A	Stud	Nickel	100
230822	92-BS-18303-2A	Stud	Nickel	1000

DOT® and Pull-The-Dot® are registered trademarks of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.

DOT® Gripper®

Setting the standard in safety and performance for more than 75 years, Gripper Snap Fasteners are available in an open prong type cap.

Item #	Style #	Description	Material	Standard Package
230485	96-NS-90338-1U	Duo Stud	Stainless Steel	100
230486	96-NS-90945-1U	Prong Ring	Stainless Steel	100
230484	96-NS-90238-1U	Socket	Stainless Steel	100

DOT® and Gripper® are registered trademarks of Scovill Fasteners, Inc.

Q-Snap® Fasteners

The patented Q-Snap system is similar to the standard press-fastener, with the exception of two additional parts: a ring underneath the cloth and a hook on the deck. This combination turns the fastener into a secured connection that won't pop loose, while incorporating a stretch-function that acts as a lever. The result allows you to easily overcome the cloth tension as you fit the fastener.

Installation is like a normal press fastener, but with special tools that make it faster than other secured fasteners. There are no extra parts, thanks to smart pre-assembly.

Resistant to seawater, Q-Snap is made from high quality 316 stainless steel. The special ring spring in the socket is dimensionally stable and even more resistant to corrosion than 316 stainless steel. A thin rubber layer isolates the Q-stud to prevent tension corrosion. Above all, it is the only secured fastener without moving parts, making it very durable and robust.

Developed for covers and sprayhoods on boats, Q-Snap is an ideal solution for any application that requires textiles to be tight and secure.

Starter Kit includes: 50 Q-Caps, 50 Q-Sockets, 25 Q-Studs (including screw), 25 Q-Studs, 25 screws, 25 M4 bolts, 25 self-drilling screws, 25 eyelets, 5 blind rivets, Q-Stud holder, Q-Stud marker, 5 Q-Installation pins, 5 Q-Stud covers, hand punch set, 25 ringlets and 25 plugs.

DIY Pack includes: 10 polished Q-Caps, 10 Q-Sockets, Q-Studs with screws and hand punch tool.

Item #	Style #	Description	Color	Material	Size	Standard Package
231161	150000-10	DIY Pack				1
231155	141300-100	Fixing Blind Rivet		Stainless Steel Type 304	0.464 in. (H), Mandrel Head and Rivet Pin	100
231156	140500-100	Fixing Eyelet		Stainless Steel Type 316		100
231153	140200-100	Fixing M4 Bolt		Stainless Steel Type 316		100
231154	141400-100	Fixing Self-Drilling Screw		Stainless Steel Type 304		100
231152	140100-100	Fixing Tapping Screw		Stainless Steel Type 316		100
231142	110002-100	Q-Cap	Black Matte	Stainless Steel Type 316	Normal Shaft 4mm	100
231141	110001-100	Q-Cap	Black	Stainless Steel Type 316	Normal Shaft 4mm	100
231147	110007-100	Q-Cap	Bordeaux Red	Stainless Steel Type 316	Normal Shaft 4mm	100
231144	110004-100	Q-Cap	Grey	Stainless Steel Type 316	Normal Shaft 4mm	100
231145	110005-100	Q-Cap	Khaki	Stainless Steel Type 316	Normal Shaft 4mm	100
231146	110006-100	Q-Cap	Navy Blue	Stainless Steel Type 316	Normal Shaft 4mm	100
231143	110003-100	Q-Cap	Pearl White	Stainless Steel Type 316	Normal Shaft 4mm	100
231140	110000-100	Q-Cap	Polished	Stainless Steel Type 316	Normal Shaft 4mm	100
231148	110100-100	Q-Cap	Polished	Stainless Steel Type 316	Long Shaft 6.2mm	100
231164	190400-10	Q-Installation Pin				10
231165	190400-25	Q-Installation Pin				25
231149	120000-100	Q-Socket Integrated Socket and Ring		Stainless Steel Type 316		100
231166	190100-10	Q-Stud Cover	Grey			10
231167	190101-10	Q-Stud Cover	Off-White			10
231162	190200-1	Q-Stud Holder				1
231163	190300-1	Q-Stud Marker				1
231151	130100-100	Q-Stud with Tapping Screw		Stainless Steel Type 316		100
231150	130000-100	Q-Stud		Stainless Steel Type 316		100
231160	150000-1	Starter Kit				1

Q-Snap® is a registered trademark of Partnership Twello B.V.

CAF-COMPO Screw-Studs



231179

CAF-COMPO screw studs are for use in fiberglass, wood, and other composites. It is made from UV-stabilized, glass fiber-reinforced, thermoplastic. Available in four colors, the composite screw stud is made to match any standard boat color and its unique design fits any regular ring spring socket. Tested to hold 500 N of force, it delivers better performance and a stronger hold. 100% corrosion free and UV resistant, it is built for tough marine conditions. The lightweight piece of marine hardware is safe and quick to install. Use wherever a composite marine fastener is needed.

Item #	Description	Color	Size	Standard Package
231169	Self-tapping	White	16 mm	100
231170	Self-tapping	Cream	16 mm	100
231171	Self-tapping	Grey	16 mm	100
231172	Self-tapping	Black	16 mm	100
231173	Self-tapping	White	10 mm	100
231174	Self-tapping	Cream	10 mm	100
231175	Self-tapping	Grey	10 mm	100
231176	Self-tapping	Black	10 mm	100
231177	Machine threaded	White	M6 10 mm	100
231178	Machine threaded	Cream	M6 10 mm	100
231179	Machine threaded	Grey	M6 10 mm	100
231180	Machine threaded	Black	M6 10 mm	100



231014



231015



231016

Snapfast® System

The Snapfast fastening system offers an alternative to traditional all-metal directional fasteners. This non-corrosive directional fastening system has no moving parts and unlocks from one direction only. The sockets and studs are manufactured from heavy-duty polyacetal with a UV stabilizer. Snapfast's stainless steel pronged cap self-pierces most industrial fabrics and installs easily using hand tools.

Item #	Style #	Description	Color	Material	Standard Package
231045	SNPFSTLA	Long Pronged Cap		Stainless Steel	100
231016	SNPFSTA	Pronged Cap		Stainless Steel	100
231014	SNPTSTB	Socket	Black	Polyacetal	100
231046	SNPFSTBW	Socket	White	Polyacetal	100
231015	SNPFSTC	Stud	Black	Polyacetal	100
231047	SNPFSTCW	Stud	White	Polyacetal	100

Snapfast® is a registered trademark of The FASNAP Corporation.



289264



289270



289281

Stayput™ Fasteners

“Stayput” for a secure and corrosion free fastening solution. Stayput canvas fasteners have no springs to corrode or jam. They are manufactured from UV stabilized nylon and acetyl compounds. Originally designed for the marine market, are now used extensively in all areas of fabric fastening.

Item #	Style #	Description	Color	Standard Package
289264	87B	Attach Knob	Black	100
289265	86W	Attach Knob	White	100
289276	40W	Canvas to Canvas Double	White	100
289266	37B	Horizontal Single	Black	100
289268	37W	Horizontal Single	White	100
289281	50B	Tent Wall Hook	Black	100
289280	50W	Tent Wall Hook	White	100
289262	48B	Tent Wall J-Hook	Black	100
289263	48W	Tent Wall J-Hook	White	100



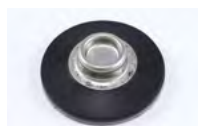
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Item #	Style #	Description	Color	Standard Package
289293	71B	Ultimate Clip Back	Black	100
289292	71W	Ultimate Clip Back	White	100
289284	70B	Ultimate Shock Cord Clip	Black	100
289283	70W	Ultimate Shock Cord Clip	White	100
289270	34B	Vertical Single	Black	100
289272	34W	Vertical Single	White	100

Stayput™ is a trademark of Stayput Fasteners.



231065



231077

YKK® SNAD® Pressure Sensitive Fasteners

The YKK® SNAD® fastener is a durable, innovative snap fastener that attaches to various substrates and surfaces using a sophisticated and proven adhesive. This eliminates having to drill holes in surfaces to mount the fastener.

Item #	Style #	Description	Color	Diameter	Size	Standard Package
231071	PG1-0000-A01	Domed Socket	Black	1-9/16 in.	40 mm	100
231068	PG1-0000-839	Domed Socket	White	1-9/16 in.	40 mm	100
231108	QW9-0000-A01	Domed Stud	Black	1 in.	25 mm	100
231065	PG3-0000-A01	Domed Stud	Black	1-9/16 in.	40 mm	100
231069	PG3-0000-839	Domed Stud	White	1-9/16 in.	40 mm	100
231107	QW9-0000-839	Domed Stud	White	1 in.	25 mm	100
231078	TR5-0000-TVO	Flexible Base Socket	Clear	1 in.	25 mm	100
231077	QL7-0000-QK1	Flexible Base Stud	Black	1 in.	25 mm	100
231079	TT5-0000-TVO	Flexible Base Stud	Clear	1-9/16 in.	40 mm	100
231076	TP9-0000-TVO	Flexible Base Stud	Clear	1 in.	25 mm	100
231075	QL7-0000-PX7	Flexible Base Stud	Gray	1 in.	25 mm	100
231073	QL7-0000-QP3	Flexible Base Stud	White	1 in.	25 mm	100

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231087

T Nut Fastener

Item #	Style #	Finish	Material	Size	Standard Package
230980	ST29-444		Stainless Steel	1/4-20	1000
231087	T29-444	Zinc Plated	Steel	1/4-20	1000



287820

Boat Top Fittings – Aluminum – Boat Cover Socket

Cast aluminum alloy. Ideal to keep boat covers from sagging. Use with Fiberglass Bow Slats to support boat cover. Two screw holes drilled for No. 8 screw.

Item #	Style #	Material	Size	Standard Package
287820	440-22	Aluminum	5/8 in. height, 1-7/8 in. x 1/2 in. opening, 3-1/2 in. x 7/8 in. base	10



282146

Boat Top Fittings – Aluminum – Insert Eye End

When inserted, flange of Eye End is flush with outside of tubing. Must be secured by means of crimping tool or rivet. For use with Deck Mounting and Angle Hinges.

Item #	Style #	For	Material	Standard Package
282146	4434-12	3/4 in. OD tube, 5/8 in. ID tube	Aluminum	10
282149	4436-16	7/8 in. OD tube, 3/4 in. ID tube	Aluminum	10



282142

Boat Top Fittings – Aluminum – Slip Fit Eye End

With stainless steel set screw.

Item #	Style #	For	Material	Number Of Set Screws	Screw Size	Standard Package
282142	422-3S	1/2 in. OD tubing, 3/8 in. ID pipe	Aluminum with Stainless-Steel Screw	1	1/4-20 x 1/4	10
281105	424-4S	7/8 in. OD tubing, 1/2 in. ID pipe	Aluminum with Stainless-Steel Screw	1	1/4-20 x 1/4	10
282143	433-7S	3/4 in. OD tubing, 5/8 in. ID pipe	Aluminum with Stainless-Steel Screw	1	10-32 x 3/16	10
282150	438-10S	1 in. OD tubing, 3/4 in. ID pipe	Aluminum with Stainless-Steel Screw	1	1/4-20 x 1/4	10



282143



282150

Boat Top Fittings – Aluminum – Deck Mounting Hinge

Item #	Style #	Material	Projection	Screw Size	Standard Package
284049	478-523	Aluminum	1-1/8 in.	12-24 x 7/8" Hinge Screw	10

284049



287688

Boat Top Fittings – Aluminum – Jaw Slide

Equipped with stainless set screw and round head machine screw.

Item #	Style #	For	Material	Screw Size	Standard Package
287688	458-5042	1/2 in. pipe, 7/8 in. OD tube	Aluminum	1/4-20 x 1/4 Set Screw; 12-24 x 7/8 Hinge Screw	10
287650	468-70J	1 in. OD tube	Aluminum	1/4-20 x 1/4 Set Screw; 12-24 x 7/8 Hinge Screw	10



284050

Boat Top Fittings – Aluminum – Pontoon Deck Hinge

90° aluminum deck hinge designed for use on pontoon boats with 1 inch square aluminum tubing. Made from 6063-T6 extruded aluminum with satin anodization for uniform finish. Requires a 1/4 inch diameter pull pin.

Item #	Style #	Material	Standard Package
284050	BH76	Aluminum	10



287647

Boat Top Fittings – Aluminum – Pontoon Jaw Slide

Designed for use on pontoon boats with 1 inch square aluminum tubing. Made from 6063T6 extruded aluminum with satin anodization for uniform finish. A 1/4 – 20 x 5/16 inch stainless steel socket set screw, a 1/4 – 20 stainless steel hex head shoulder bolt and a Nylok® hex nut are included.

Item #	Style #	Bolt Size	For	Material	Screw Size	Standard Package
287647	BH74	1/4"-20 hex head shoulder bolt; Nylok hex nut	1 in. square tube	Aluminum, Stainless Steel	1/4"-20 x 5/16" socket set screw	10

Nylok® is a registered trademark of Nylok, LLC.



287640

Boat Top Fittings – Aluminum – Pontoon H Bracket

Designed for use on pontoon boats with 1-1/4 inch square aluminum tubing. Includes bolt and nut.

Item #	Style #	Description	For	Material	Standard Package
287640	34440078	Standard Thin Wall	1-1/4 in. square tube	Aluminum	10
287642	34440077	Tall	1-1/4 in. square tube	Aluminum	10



239960

Boat Top Fittings – Aluminum – Tower Clamp

These Tower Clamps with knobs are designed for use with eye ends to attach Bimini frame hardware to a tower on large cruisers and sport fishing vessels.

Item #	Style #	Size	Standard Package
239959	200960	1-1/2 in.	10
239960	200980	2-1/8 in.	10
239961	200999	2-3/8 in.	10

Tubing – Marine – Aluminum

This bright dip anodized, drawn aluminum tubing is ideal. Ordering less than full carton is not recommended.

Item #	Style #	Description	Length	Material	Outside Diameter	Standard Package	Wall
275720		Round	20 ft.	Aluminum	3/4 in.	54	0.058 in.
275706		Round	24 ft.	Aluminum	7/8 in.	1 piece	0.058 in.
275704		Round	20 ft.	Aluminum	7/8 in.	1 piece	0.058 in.
275719	6111-18	Round	24 ft.	Aluminum	7/8 in.	432	0.065 in.
275701		Round	20 ft.	Aluminum	7/8 in.	1 piece	0.065 in.
275705		Round	20 ft.	Aluminum	7/8 in.	1 piece	0.095 in.
275718	6154	Square	24 ft.	Aluminum	1 in.	24	0.062 in.



205381

Bimini Bow Frames

Bow Bimini top kit (minus fabric). Comes in ready-to-assemble kit form. Packaged one boat set per box with hardware. Made with 7/8 in. outside diameter by 0.058 wall 6063, T832 hard drawn marine aluminum tubing with a bright anodized finish and joined together with inside sleeves. The radius of the bends is 6 in. inside diameter.

Item #	Style #	Description	Material	Standard Package	Width
205381	4850D	2 Bow Frame	Aluminum	1	80"
205382	4851D	3 Bow Frame	Aluminum	1	96"

Bow Slats – Fiberglass

These fiberglass bow slats have a slightly rounded edge, which reduces splinters and prevents damage to fabricated products like boat covers.

Item #	Color	Length	Standard Package
266361	Natural	6 ft.	10
266362	Natural	6-1/2 ft.	10
266363	Natural	7 ft.	10
266364	Natural	8 ft.	10
266365	Natural	10 ft.	10



286199

Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Coaming Side Plate

For use on side of boat when regular hinge cannot be mounted on deck. Furnished with 1/4 inch – 28 x 3/4 inch stainless steel hinge bolt.

Item #	Style #	Bolt Size	Drilled For	Material	Standard Package
286199	898-1839	1/4 "-28 x 3/4 " hinge bolt	#10 screws	Chrome-Plated Zinc Die-Cast, Stainless Steel	10



282177

Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Slip-Fit Eye End

With stainless steel set screw.

Item #	Style #	For	Number Of Set Screws	Screw Size	Standard Package
282177	824	7/8 in. OD tubing, 1/2 in. ID pipe	1	1/4 "-28 pointed set screw	10
282184	824-1843	7/8 in. OD tubing, 1/2 in. ID pipe	1	1/4 "-28 pointed set screw	10
282183	833A-1842	3/4 in. OD tubing, 5/8 in. ID pipe	1	1/4 "-28 pointed set screw	10



287890

Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Eye Strap

Item #	Style #	Material	Standard Package	Thickness
287890	8816	Chrome-Plated Zinc Die-Cast	10	3/16 in.



284088

Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Angle Hinge

10° angle, with stainless steel screw.

Item #	Style #	Material	Projection	Screw Size	Standard Package
284088	887-1841	Chrome-Plated Zinc Die-Cast	1 in.	1/4 "-20	10



284084

Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Deck Mounting Hinge

Furnished with stainless steel machine screw.

Item #	Style #	Material	Projection	Screw Size	Standard Package
284084	878 HD	Chrome-Plated Zinc Die-Cast	1-1/16 in.	1/4" -20	10



287687

Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Jaw Slide

Equipped with stainless steel set screw and machine screw.

Item #	Style #	For	Material	Screw Size	Standard Package
287686	865	3/4 in. OD tube	Chrome-Plated Zinc Die-Cast	1/4" -20	10
287687	856-1838	7/8 in. OD tube	Chrome-Plated Zinc Die-Cast	1/4" -20	10
287691	856 HD	7/8 in. OD tube	Chrome-Plated Zinc Die-Cast	1/4" -20	10
287881	86004	7/8 in. OD tube	Chrome-Plated Zinc Die-Cast	1/4" -20	10



287691



287881

Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Boat Cover Socket

Ideal to keep boat covers from sagging. Use with Trivantage® Fiberglass Bow Slats to support boat cover. Two screw holes drilled for No. 8 screw.

Item #	Style #	Material	Size	Standard Package
287840	740-CR180	Chrome-Plated Zinc Die Cast	3/8 in. height, 1-3/4 in. x 3/8 in. opening, 3-3/8 in. x 3/4 in. base	10
287839	840	Chrome-Plated Zinc Die Cast	1/2 in. height, 1-3/4 in. x 3/8 in. opening, 3-3/8 in. x 7/8 in. base	10

Trivantage® is a registered trademark of Glen Raven, Inc.

Leather Pearl Splits

A sturdy leather fabric that is ideal for marine applications that require extra reinforcement such as cut-outs, patches, etc.



249205

Item #	Standard Package	Weight
249205	12	~4 oz.



207608

Boat Top Fittings – Nickel-Plated Brass – Adjuster Buckle

Single bar buckle to adjust strap.

Item #	Style #	Material	Standard Package	Webbing Size
207608	100	Nickel-Plated Brass	100	1 in.



Boat Top Fittings – Nickel-Plated Brass – Eye Strap

Style No. 2816 Eye Strap is for fastening No. 142-A Snap Hook to deck. Style No. 2916 Eye Strap is for fastening No. 249-0 Snap Hook to deck.

Item #	Style #	Material	Standard Package	Thickness
287870	2816	Nickel-Plated Brass	10	3/16 in.
287872	2916	Nickel-Plated Brass	10	1/8 in.



Boat Top Fittings – Nickel-Plated Brass – Solid Eye Snap Hook

Item #	Style #	Description	Length	Standard Package	Webbing Size
266682	249B-0		2-1/8 in.	10	
266684	248B-0	Square Eye		10	1 in.

266682 - For use with 2916 Eye Strap.



Boat Top Fittings – Nylon – Bimini Top Ladder Clip

Item #	Style #	Color	Material	Size	Standard Package
289599	4330	Black	Nylon	1 in.	10
289639	4330	Black	Nylon	7/8 in.	10
289640	4330W	White	Nylon	1 in.	10
289598	4330W	White	Nylon	7/8 in.	10



Boat Top Fittings – Nylon – Rigid Support Clip

Item #	Style #	Color	Material	Size	Standard Package
289607	21463	Black	Nylon	7/8 in.	10



Boat Top Fittings – Nylon – Vadney Clip

Used for putting screw studs on a windshield of a boat.

Item #	Style #	Color	Material	Standard Package
289608	1178120	Black	Nylon	10

Boat Top Fittings – Nylon – Eye End



289201



289202

Item #	Style #	Description	Color	For	Material	Screw Size	Standard Package
289201	7402	Insert Eye End	White	3/4 in. OD tube	Nylon		10
289202	7416	Outside Eye End	White	3/4 in. OD tube	Nylon		10
289203	7417	Insert Eye End	White	7/8 in. OD tube	Nylon		10
289204	7419	Outside Eye End	White	7/8 in. OD tube	Nylon	1/4"-20	10
289251	7402	Insert Eye End	Black	3/4 in. OD tube	Nylon		10
289252	7416	Outside Eye End	Black	3/4 in. OD tube	Nylon	1/4"-20	10
289253	7417	Insert Eye End	Black	7/8 in. OD tube	Nylon		10
289254	7419	Outside Eye End	Black	7/8 in. OD tube	Nylon	1/4"-20	10
289255	7419	Outside Eye End	Natural	7/8 in. OD tube	Nylon		10

Boat Top Fittings – Nylon – Eye Strap



289592

Item #	Style #	Color	Material	Standard Package	Thickness
289591	7407	White	Nylon	10	1/4 in.
289592	7407	Black	Nylon	10	1/4 in.

Boat Top Fittings – Nylon – Wedge

Converts 90° deck hinges to angle hinges. Install between deck hinge and deck.



289088



289091

Item #	Style #	Description	Color	Material	Standard Package
289088	401-3SB	Base Angle Oval Polywedge – 10°	Black	Nylon	10
289092	401-3SN	Base Angle Oval Polywedge – 10°	Natural	Nylon	10
289091	7530B	Base Angle Rectangular Wedge – 9°	Black	Nylon	10
289090	7530N	Base Angle Rectangular Wedge – 9°	Natural	Nylon	10

Boat Top Fittings – Nylon – Curved Shim



289097

Item #	Style #	Color	Diameter	Material	Standard Package
289097	401-S-2.36B	Black	2.36 in.	Nylon	10
289098	401-S-2.36	Silver	2.36 in.	Nylon	10

Boat Top Fittings – Nylon – Hinge



289302



289430

Item #	Style #	Description	Color	Material	Screw Size	Size	Standard Package
289342	7443B	Concave Hinge Rail for 7/8 in. Tubing	Black	Nylon	1/4-20	7/8 in.	10
289430	7424P	Knurl Screw	Black	Nylon	1/4-20 x 7/8	1/4 in. - 20 x 7/8 in.	10
289352	7405	Large Deck Hinge	Black	Nylon	1/4-20		10
289302	7405	Large Deck Hinge	White	Nylon	1/4-20		10
289351	7401	Small Deck Hinge	Black	Nylon	1/4-20		10



289454



289458



289362



289460



289610



289618



289402

Boat Top Fittings – Nylon – Jaw Slide

Item #	Style #	Color	For	Material	Standard Package
289451	7406	White	3/4 in. OD Tubing	Nylon	10
289452	7418	White	7/8 in. OD Tubing	Nylon	10
289453	7406	Black	3/4 in. OD Tubing	Nylon	10
289454	7418B	Black	7/8 in. OD Tubing	Nylon	10
289458	7515	Black	1 in. Square Tubing	Nylon	10

Boat Top Fittings – Nylon – Lashing Hook

Item #	Style #	Color	Material	Standard Package
289360	7420	White	Nylon	10
289362	7420	Black	Nylon	10
289394	7460B	Black	Nylon	10

Boat Top Fittings – Nylon – Double Wing Windshield Latch

Item #	Style #	Color	Material	Standard Package
289460	7222B	Black	Nylon	10

Boat Top Fittings – Nylon – Bow Socket

Item #	Style #	Color	Material	Standard Package
289610	7434	Black	Nylon	10

Boat Top Fittings – Nylon – Side Curtain Spacer

Designed to keep clear vinyl side curtains away from convertible top frames. Eliminates scratching and discoloration of vinyl curtains. Snaps over a 7/8 inch or 1 inch outside diameter tube. No tools required for assembly.

Item #	Style #	Description	Color	For	Material	Standard Package
289618	7628	Single Spacer	White	7/8 in. OD tube	Nylon	10
289619	7629	Single Spacer	White	1 in. OD tube	Nylon	10

Boat Top Fittings – Nylon – Mounting Plate

Item #	Style #	Description	Color	Height	Length	Material	Screw Size	Standard Package	Width
289402	7415	Slide Mount Plate – 2-Hole	Black	4/5 in.	2-1/2 in.	Nylon	1/4"-20	10	1-1/2 in.



289089

Boat Top Fittings – Rubber Gasket

Item #	Style #	Color	Material	Standard Package
289089	401-GB	Black	Rubber	10



289551

Slide Track – Nylon – Slides

Item #	Style #	Description	Color	Standard Package
289505	7408	Slide for Deck Hinge	Natural	10
289551	7408	Slide for Deck Hinge	Black	10
289553	7430	Side Mount Slide	Black	10



289102

Slide Track – Nylon – Slide Cap

Item #	Style #	Description	Color	Standard Package
289102	7404	Slide Cap Channel Trim End Cap	Black	10
289153	7429	Slide Cap Channel Trim End Insert	Black	10



289371

Slide Track – Nylon – Slide Lock

Item #	Style #	Description	Color	Standard Package
289371	7432	Slide Lock	Black	10



289354

Slide Track – Nylon – Hinge

Item #	Style #	Description	Color	Standard Package
289354	7431	Deck Hinge/Slide Combination	Black	10



205432

Tele-Sun Shade Poles

The Tele-Sun Shade Pole is a premium product that allows boaters to escape from the sun's UV rays while on their boat. Built to handle harsh marine conditions, these top-of-the-line shade poles are made from UV-protected carbon fiber. The poles are easy to install and stow for effortless boat shade. Simply place the poles in the boat's rod holders, secure the shade fabric to the boat top, attach the fabric connector to the poles, and extend the poles into position. It can be mounted to the front or rear of the boat, depending on preference. Create custom, removable marine shade with Tele-Sun Shade Poles. Includes a one year limited warranty on carbon fiber poles.

Item #	Style #	Description	Color	Material	Size	Standard Package
205432	T10-7005CF	Shade Pole with Carrying Bag	Black	Carbon Fiber	52 in. to 80 in.	1 Pair
205433	T10-7001VEL	Shade Pole with Carrying Bag	Silver	Aluminum	44 in. to 69 in.	1 Pair
205431	F31-0702BXY	Flush Mount Rod Holder		Aluminum	Flange width: 3-1/2 in., Tube: 5-1/2 in., Angle: 10°.	1



205440

Carbiepole™ Shade Poles

Carbiepoles, carbon fiber shade poles are telescoping, light weight and durable making them ideal for boaters to add shade to their boat while anchored or for home patio use. Carbiepoles are adjustable from 68”-88” and will fit in all rod holders. Easy to store and maintain, Carbiepoles are a great choice for customers looking to cool down at home or on the water. Includes a one year limited warranty on carbon fiber poles.

Item #	Description	Color	Diameter	Height	Material	Maximum Extension	Size	Standard Package
205440	Shade Pole with Bag	Black	1.5 in.		Carbon Fiber	98.75 in.	68 in. to 88 in.	1 Pair
205441	Shade Pole with Bag	White	1.5 in.		Carbon Fiber	98.75 in.	68 in. to 88 in.	1 Pair
205442	Shade Pole with Bag	Blue	1.5 in.		Carbon Fiber	98.75 in.	68 in. to 88 in.	1 Pair
205444	Shade Pole with Bag	Red	1.5 in.		Carbon Fiber	98.75 in.	68 in. to 88 in.	1 Pair
205435	Shade Pole with Bag	Black	2 in.		Carbon Fiber		72 in. to 108 in.	1 Pair
205448	Separating Mounting Base for 1.5 in. Poles			0.25 in.	Stainless Steel Type 316			1
205449	Coverplate for Mounting Base for 1.5 in Poles			0.25 in.	Stainless Steel Type 316			1
205436	Separating Mounting Base for 2 in. Poles				Stainless Steel Type 316			1
205437	Coverplate for Mounting Base for 2 in. Poles				Stainless Steel Type 316			1
205438	Oval Base Plate for 2 in. Poles							1

Carbiepole™ is a trademark of AMC Pole Corporation.



154700

Mooring Pole – Aluminum “Thumb Screw”

Designed especially for boat mooring covers, the 730 Mooring Pole adjusts to 70 in. overall and collapsed measures 40-5/8 inch. Has 2-1/2 inch long swaged tip designed for No. 3 Grommet or larger. Top section is 3/4 inch O.D. x .049 wall and bottom section is 7/8 inch O.D. x .042 wall, mill finish, drawn 6063T832 aluminum tubing. Comes with crutch tip bottom to prevent marring of boat floor.

Item #	Style #	Maximum Extension	Standard Package
154700	730	5 ft. 10 in.	20



205454

Mooring Pole – Aluminum Extension

A medium range, multi-purpose support pole with interchangeable end components. Simply turn the pole extension around for a choice of either plastic injection molded end with snap stud or a molded swaged tip. Includes jointer section, adjuster screw and stainless steel internal spring button stop.

Item #	Style #	Description	Extension Bar Threaded	Standard Package
205453	4848	Black Crutch Tip	48 in. to 96 in.	10
205454	3636	Black Crutch Tip	40 in. to 70 in.	25
205458	3636	White Crutch Tip	40 in. to 70 in.	10



205452

Support Pole – Aluminum Extension

A medium range, multi-purpose support pole with interchangeable end components. Simply turn the pole extension around for a choice of either plastic injection molded end with snap stud or a molded swaged tip.

Item #	Style #	Size	Standard Package
205452	X47A-2TIP	47 in.	10
205457	X59A-2TIP	59 in.	10
205459	X70A-2TIP	70 in.	10

Flex Support – Rubber

This Flex Support is an easy way to support a cover if venting is not required. The rubber sides are designed to “mushroom” down to match the angle of the cover, distributing the weight and protecting it from rips or tears.

Designed to be sewn directly into the cover. This will help keep Flex Support in position for an easy, fixed location to tent the cover.

Item #	Standard Package
205462	1



289095



289185



289180



289191



289182



289625

Nylon Pole Fittings

Item #	Style #	Description	Color	Size	Standard Package
289625	7623	Jointer Section	Black	3/4 in. - 7/8 in.	10
289185	7521B	Jointer Section	Black	7/8 in. - 1 in.	10
289187	7624	Pole End Insert with Snap	Black	7/8 in.	10
289191	PE25	Pole End Insert with Snap	Black	7/8 in.	10
289183	7621	Pole End with Stainless Steel Cap	Black	3/4 in.	10
289188	7610B	Pole Tip	Black	7/8 in.	10
289180	7610B	Pole Tip	Black	7/8 in.	10
289095	9518	Soft Outside End Cap	Black	7/8 in.	10
289181	7619	Vinyl Foot	Black	3/4 in.	10
289182	7620	Vinyl Foot	Black	7/8 in.	10



274823

Nylon Pole Pads

Non-slip base pole pad.

Item #	Description	Size	Standard Package
205460	Adjustable	7/8 in.	1
274823	Non-adjustable	7/8 in.	1



274819

Tip – Rubber

Eliminates damage or wear on fabric end curtains of patio awning where a Tie-Down Bar is used. Slips over ends of pipe used on roller curtains, to prevent end of pipe from chafing side of house. Can also be used on mooring poles to prevent marring boat floor.

Item #	Style #	Description	Color	For	Standard Package
476095	18	Tip with Stud	White	3/4 in. tubing	1
274817	17	Tip	Black	5/8 in. tubing, 3/8 in. pipe	10
274819	19	Tip	Black	7/8 in. tubing, 1/2 in. pipe	10
274815	18	Tip	White	3/4 in. tubing	10
274816	17	Tip	White	5/8 in. tubing, 3/8 in. pipe	10
274818	19	Tip	White	7/8 in. tubing, 1/2 in. pipe	10



207620

Boat Top Fittings – Stainless Steel Type 304 – Adjuster Buckle

Item #	Style #	Description	Standard Package	Webbing Size
207620	300	Adjuster Buckle Single Bar	10	1 in.



260456

Boat Top Fittings – Stainless Steel Type 304 – Dee Ring

Item #	Style #	Description	Size	Standard Package	Thickness
260456	SS-0150	Welded	1-1/2 in.	10	0.148 in. (3.78 mm)
260457	4520SS	Welded	1 in.	1	
284235	SS-563-1	Welded	1 in.	10	



284074

Boat Top Fittings – Stainless Steel Type 303/304 – Pull Pin

Item #	Style #	Description	Standard Package
284074	C3-10R-303	Pull pin with 3/16 inch diameter pin, 1-3/8 inch pin length, 1 inch inner ring handle, and 2-5/16 inch overall length.	10



284060

Boat Top Fittings – Stainless Steel Type 304 – Lift Ring

Item #	Style #	Description	Standard Package
284060	F16-1812	Flush Mount Lift Ring	10



263930



263914

Boat Top Fittings – Stainless Steel Type 304 – Hinge/Set Screw

Item #	Description	Screw Size	Size	Standard Package	Threaded For Size
263930	Cup Point Set Screw 3/16 in.	1/4" -28 x 3/16	3/16 in.	10	1/4 - 28
263914	Machine Screw for #356/357 Jaw Slides			10	1/4 - 20



266683

Boat Top Fittings – Stainless Steel Type 304 – Snap Hook

Item #	Style #	Description	Length	Standard Package	Webbing Size
266683	990SS	Steel Wire Snap	2-1/8 in.	100	1 in.



282132



282133



282172



282173



284257

Boat Top Fittings – Stainless Steel Type 316 – Eye End

Item #	Style #	Description	For	Standard Package
282172	324	Eye End	7/8 in. OD tube	10
282132	324-88313	Eye End	7/8 in. OD tube	10
282173	338	Eye End	1 in. OD tube	10
282133	338-88314	Eye End	1 in. OD tube	10
284257	88328	Eye End with Double Set Screw	1-1/4 in. OD tube	10



282210



282214



282211

Boat Top Fittings – Stainless Steel Type 316 – Ball Eye End

Item #	Style #	Description	For	Standard Package
282209	F11-0177A	Ball Eye End For Pop Rivet	7/8 in. OD tube	10
282210	F11-0177S	Ball Eye End For Set Screw	7/8 in. OD tube	10
282211	F11-0180S	Ball Eye End – 90°	7/8 in. OD tube	10
282214	F12-0181S	Ball Eye End	1 in. OD tube	10



282171



282175

Boat Top Fittings – Stainless Steel Type 316 – Counter Bore Eye End

Item #	Style #	Description	For	Standard Package
282171	324	Counter Bore Eye End without Set Screw	7/8 in. OD tube	10
282175	333	Counter Bore Eye End without Set Screw	3/4 in. OD tube	10



282140



282179



282176



282187

Boat Top Fittings – Stainless Steel Type 316 – Humpback Eye End

Item #	Style #	Description	Bolt Size	For	Standard Package
282176	324	Humpback Eye End		7/8 in. OD tube	10
282179	338	Humpback Eye End		1 in. OD tube	10
282187	8208	Humpback Eye End with 2 Double Set Screws		1-1/4 in. OD tube	10
282139	88396	Humpback Eye End with Double Set Screw	1/4 in.	7/8 in. OD tube	10
282140	88397	Humpback Eye End with Double Set Screw	1/4 in.	1 in. OD tube	10



284216



287874



284276



287875

Boat Top Fittings – Stainless Steel Type 316 – Eye Strap

Item #	Style #	Description	Drilled For	Height	Length	Standard Package	Thickness
287875	3816	Eye Strap	0.208/0.198 in. Hole, 82° countersink			10	3/16 in.
284276	88545	Eye Strap	#10 screw	5/8 in.	1-7/8 in.	10	1/8 in.
284216	88542	Formed Eye Strap	#8 screw	1/2 in.	1-7/8 in.	10	3/16 in.
287874	3716	Heavy Duty Eye Strap	0.200 in. Hole			10	3/16 in.



284262

Boat Top Fittings – Stainless Steel Type 316 – Grab Handles

For use with 7/8" stainless steel tubing. Comes packaged with 2 handles per package.

Item #	Style #	Description	For	Standard Package
284262	9114665	Bimini/Dodger Adjustable Grab Handles	7/8 in. tubing	Pack of 2

Boat Top Fittings - Stainless Steel Type 316 - Hinge/ Set Screw

Item #	Style #	Description	Standard Package	Threaded For Size
284282	88338	Cone Point Allen Drive Set Screw	10	1/4 - 28



284071



284207



284073



284208



284076



284086



284210



284209

Boat Top Fittings – Stainless Steel Type 316 – Angle Hinge

Item #	Style #	Description	Drilled For	Panhead Screw	Projection	Standard Package
284207	230	Angle Hinge with Screw	#10 screw	1/4 - 20		10
284073	387QR	Angle Hinge without Pin – 10° (1/4 in. drilled hole)	#10 screw	1/4 - 20	1 in.	10
284208	233	Angle Hinge without Screw (1/4 in. drilled hole)	#10 screw			10
284071	387	Angle Hinge – 10°	#10 screw	1/4 - 20	1 in.	10
284076	886	Universal Deck Hinge – 90°	1/4 in. screws	M6 x 1	7/8 in.	10

Boat Top Fittings – Stainless Steel Type 316 – Concave Hinge

Item #	Style #	Description	Drilled For	Projection	Standard Package
284086	386R	Concave Hinge	#10 screw	1-1/4 in.	10
284209	88321	Concave Hinge with 1/4 in. Bolt	#10 screw	1-3/8 in.	10
284210	88321N	Concave Hinge without Pin	#10 screw	1-3/8 in.	10



284120



284124



284123

Boat Top Fittings – Stainless Steel Type 316 – Socket

Item #	Style #	Description	Standard Package
284124	F13-0242/244BN	Concave Hinge Socket with Lanyard	10
284132	F13-1095P	Concave Socket Hinge with D-Ring – Port	10
284120	F13-0241/244BN	Deck Hinge Socket with Lanyard	10
284123	F13-0301/244BN	Hinge Socket with Lanyard	10



284082



284083



284206



284102



282134



284059



284070

Boat Top Fittings – Stainless Steel Type 316 – Deck Hinge

Item #	Style #	Description	Drilled For	Panhead Screw	Projection	Standard Package
284083	401-07	Bimini Quick Release Deck Hinge	#10 screw		1 in.	10
284102	415	Bimini Quick Release Deck Hinge			1.3 in.	10
284130	F13-1085P	Deck Hinge with D-Ring Port				10
284131	F13-1085S	Deck Hinge with D-Ring Starboard				10
284082	378QR	Deck Hinge without Pin (1/4 in. drilled hole)	#10 screw		1-1/8 in.	10
282134	88320N	Deck Hinge without Pin – 90° (1/4 in. drilled hole)	#10 screw			10

Item #	Style #	Description	Drilled For	Panhead Screw	Projection	Standard Package
284206	88320	Deck Hinge – 90°	#10 screw	1/4 - 20		10
284059		Heavy Duty Adjustable Deck Hinge – 90°	1/4-20 screw		1-1/2 in.	10
284259	88320-3	High Profile Deck Hinge	#10 screw	5/16 in. flush head screw	3 in.	10
284070	378	Straight Deck Hinge	#10 screw	1/4 - 20	1-1/8 in.	10



284091

Boat Top Fittings – Stainless Steel Type 316 – Post

Item #	Style #	Description	Standard Package
284091	401-P-07 5/8	Bimini Quick Release Deck Hinge Post	10
284109	401-P-07 1/2	Bimini Quick Release Deck Hinge Post	10



284265

Boat Top Fittings – Stainless Steel Type 316 – Locking Rail Hinge

Item #	Style #	Description	For	Standard Package
284265	9027204	Locking Rail Hinge with Quick Release Pin	7/8 in. OD tube	10
284270	9027202	Locking Rail Hinge with Quick Release Pin	1 in. OD tube	10
284278	200297	Locking Rail Hing with Push Button Release	7/8 in. OD tube	10



286170

Boat Top Fittings – Stainless Steel Type 316 – Side Deck Plate Hinge

Item #	Style #	Description	Bolt Size	Drilled For	Standard Package
286170	398	Side Deck Plate – 2-Hole	1/4 "-20 Bolt	#10 screws	10
286172	388	Side Deck Plate – 4-Hole	1/4 "-20 Phillips Bolt	#10 screws	10
286173	388	Side Deck Plate – 4-Hole	5/16 " Hex Bolt	#10 screws	10



289325

Boat Top Fittings – Stainless Steel Type 316 – Side Mount Hinge

Item #	Description	For	Standard Package
289326	Sliding Side Mount Hinge	1 in. OD tube	10
289325	Sliding Side Mount Hinge	7/8 in. OD tube	10
289324	Sliding Side Mount Hinge	1-1/4 in. OD tube	10
289328	Split Side Mount Hinge	1 in. OD tube	10



287876

Boat Top Fittings – Stainless Steel Type 316 – Lashing Hook

Item #	Style #	Description	Size	Standard Package
287876	89010	Lashing Hook with two 3/16 inch holes.	1 in. x 1-1/4 in.	10



284268

Boat Top Fittings – Stainless Steel Type 316 – Hinged Jaw Slide

Item #	Style #	Description	For	Standard Package
284267	8731442	Hinged Jaw Slide with Allen Set Screw	7/8 in. OD tube	10
284268	8731443	Hinged Jaw Slide with Allen Set Screw	1 in. OD tube	10
284269	8731447	Hinged Jaw Slide with Allen Set Screw	1-1/4 in. OD tube	10



226948

Boat Top Fittings – Stainless Steel Type 316 – Rail

Item #	Description	Bolt Size	For	Standard Package
226947	Locking Hinged Jaw Slide	1/4 in.	1 in. OD tube	10
226948	Locking Hinged Jaw Slide	1/4 in.	1-1/4 in. OD tube	10



282137



287657

Boat Top Fittings – Stainless Steel Type 316 – Humpback Jaw Slide

Item #	Style #	Description	Bolt Size	For	Standard Package
282137	88398	Humpback Jaw Slide with 2 Set Screws	1/4 in.	7/8 in. OD tube	10
282138	88399	Humpback Jaw Slide with 2 Set Screws	1/4 in.	1 in. OD tube	10
287657	356	Humpback Jaw Slide		7/8 in. OD tube	10
287659	368	Humpback Jaw Slide		1 in. OD tube	10



282138



287659

Boat Top Fittings – Stainless Steel Type 316 – Jaw Slide

Item #	Style #	Description	For	Panhead Screw	Standard Package
287652	356	Jaw Slide with 1/4-28 Set Screw	7/8 in. OD tube	1/4 - 20	10
287653	368	Jaw Slide with 1/4-28 Set Screw	1 in. OD tube	1/4 - 20	10
282135	356-88316	Jaw Slide without Set Screw	7/8 in. OD tube	1/4 - 20	10
282136	356-88317	Jaw Slide without Set Screw	1 in. OD tube	1/4 - 20	10



282135



287652



282136



287653

Boat Top Fittings – Stainless Steel Type 316 – Heavy-Duty Jaw Slide

Item #	Style #	Description	Bolt Size	For	Standard Package
284258	88329	Heavy Duty Jaw Slide with 2 Set Screws	5/16 in.	1-1/4 in. OD tube	10



284258

Boat Top Fittings – Stainless Steel Type 316 – Jaw Slide For Pop Rivet

Item #	Style #	Description	For	Standard Package
284255	F11-1001	Jaw Slide Socket For Pop Rivet	7/8 in. OD tube	10



284255



287635

Boat Top Fittings – Stainless Steel Type 316 – Socket Jaw Slide

Item #	Style #	Description	For	Standard Package
287635	F11-1001AS	Jaw Slide Socket with Set Screw	7/8 in. OD tube	10
287636	F12-0300S	Jaw Slide Socket with Set Screw	1 in. OD tube	10



284215

Boat Top Fittings – Stainless Steel Type 316 – Adjuster Buckle

Item #	Style #	Description	For	Standard Package
284215	9114706	Web Adjuster Buckle with Recessed Base	1 in. OD tube	10



284126

Boat Top Fittings – Stainless Steel Type 316 – Pull Pin

This Pull Pin features a 1-1/2 inch length by 1/8 inch diameter, a 1 inch Pull Knob and 3 inch Lanyard.

Item #	Style #	Standard Package
284126	F13-0244BN	10



284217



284220

Boat Top Fittings – Stainless Steel Type 316 – Quick Release Pin

Item #	Style #	Description	Standard Package
284217	88546	Quick Release Pin (1/4 in. diameter, 7/8 in. grip)	10
284218	88547	Quick Release Pin (1/4 in. diameter, 7/8 in. grip) w/Tab and 6" Nylon-Coated Stainless Steel Cable	10
284220	88551	Quick Release Pin (1/4 in. diameter, 1 in. grip) w/DCAM-S Ring	10
284221	88548	Quick Release Pin (1/4 in. diameter, 3/4 in. grip) w/DCAM-S Ring and 6" Nylon-Coated Cable	10



284218



284221

Boat Top Fittings – Stainless Steel Type 316 – Push Button

Item #	Style #	Description	Standard Package
284203	89008	Push Button	10



284203



226965



284281

Boat Top Fittings – Stainless Steel Type 316 – Snap Hook

Item #	Style #	Description	Length	Standard Package	Webbing Size
226965	89007	Fast Eye Heavy Duty Snap Hook	2 in.	10	1 in.
266687	249SS-0	Snap	2-1/8 in.	10	3/8 in.
284281	8928263	Heavy Duty Snap Hook		10	1 in.



226940

Boat Top Fittings – Stainless Steel Type 316 – Side Mount with Concave Base

Item #	Description	Standard Package
226940	Side Mount – 90°	10
226941	Side Mount – 75°	10



226929

Boat Top Fittings – Stainless Steel Type 316 – Plug

Item #	Style #	Description	For	Standard Package
226929	88303	Bullet End Plug	7/8 in. OD tube	10



282216

Boat Top Fittings – Stainless Steel Type 316 – Elbow Eye End

Item #	Style #	Description	For	Standard Package
282216	88310	Elbow – 90°	1 in. OD tube	10



226920

Boat Top Fittings – Stainless Steel Type 316 – Slip Tee

Item #	Description	For	Standard Package
226920	Slip Tee – 90°	7/8 in. OD tube	10
226922	Slip Tee – 90°	1 in. OD tube	10



226921

Boat Top Fittings – Stainless Steel Type 316 – Hinged Tee

Item #	Description	For	Standard Package
226921	Hinged Slip Tee – 90°	7/8 in. OD tube	10



208340

Boat Top Fittings – Stainless Steel – Push Button

Item #	Style #	Size	Standard Package
208340	II-132	1/4 in.	10



286166

Boat Top Fittings – Stainless Steel Type 316 – Coaming Pad Hook and Eye Set

This coaming pad hook and eye set (clip) is a two-part design made of high quality type 316 stainless steel. Due to the low-profile design, the clip does not require large mounting holes in a bolster substrate. Clips are sold as a set, and include both components to make for easy upholstery installation and removal.

Item #	Height	Length	Standard Package	Width
286166	0.25 in.	2.60 in.	1	0.75 in.



255216

Boat Top Fittings – Stainless Steel – Bolster Clip

Item #	Style #	Length	Standard Package	Width
255216	F16-0094	2.31 in.	1	0.75 in.



275735

Tubing – Marine – Stainless Steel Type 304

For convertible boat tops and boat railings. Available from 7/8 inch to 1-1/4 inch O.D. with 16 and 18 gauge wall thicknesses. This tubing is tig welded, polished, buffed and paper sleeved. Sold in full lengths only.

Item #	Gauge	Length	Outside Diameter	Wall
275735	16	20 ft.	1 in.	0.065 in.
275736	16	24 ft.	1 in.	0.065 in.
275737	18	24 ft.	1 in.	0.049 in.
275739	16	20 ft.	1-1/4 in.	0.065 in.
275738	16	24 ft.	1-1/4 in.	0.065 in.
275733	18	20 ft.	7/8 in.	0.049 in.
275731	16	20 ft.	7/8 in.	0.065 in.
275732	16	24 ft.	7/8 in.	0.065 in.
275734	18	24 ft.	7/8 in.	0.049 in.



275741

Tubing – Marine – Stainless Steel Type 316

For convertible boat tops and boat railings. This tubing is tig welded, polished, buffed and paper sleeved. Sold in full lengths only.

Item #	Gauge	Length	Outside Diameter	Wall
275740	16	20 ft.	1 in.	0.065 in.
275741	16	24 ft.	1 in.	0.065 in.



578131

Keder – Marine

Made from a unique, heavy-duty polyester fabric welded to a solid PVC cord. It is easy to sew and won't tear out. It easily slides through Flex-A-Rail and various PVC and aluminum track.

Item #	Style #	Color	Put Up	Size
578131		Black	109 yd.	7.5 mm
578134	C7420	Black	109 yd.	8.5 mm x 20 mm
578130		White	109 yd.	7.5 mm
578133	C7420	White	109 yd.	8.5 mm x 20 mm

Keder – Tent

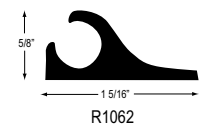
Keder is designed specifically for use in outdoor tensile structures where strength and resistance to the elements are critical. Made from a unique, heavy-duty polyester fabric welded to a solid PVC cord. It is easy to sew and won't tear out.

Available to ship by LTL only.

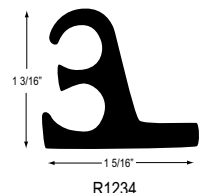
Item #	Color	Put Up	Size
578137	Panama with Blackout	218 yd.	11 mm x 40 mm
578136	White with Blackout	218 yd.	13 mm x 40 mm
578135	White	218 yd.	13 mm x 40 mm



251028



250817



251058

Track – PVC

This rigid PVC molding is UV resistant, non-corrosive, non-rusting and can be used in or on salt water. Can be shaped very easily. Will crack under extremely cold conditions.

Sold in full lengths only.

Item #	Style #	Description	Color	Degree of Channel	Flange Size	Length	Standard Package	Width
250816	333	With Flange	White	90°	0.610 in.	7.5 ft.	25	3 in.
250817	R1062	With Flange	White	45°	0.610 in.	7.5 ft.	25	3 in.
250825	1445	With Flange	White	90°	0.610 in.	18 ft.	25	
250828	R1062	With Flange	White	45°	0.610 in.	14 ft.	25	3 in.
250829	90-Z-W	Flexible without Flange	White	90°	0.610 in.	7.5 ft.	20	0.63 in.
250830	90-2-B	Flexible without Flange	Black	90°	0.610 in.	7.5 ft.	20	1 in.
250831	180-2-W	Flexible	White	90°	0.610 in.	15 ft.	20	1 in.
251058	R1234	Double Wall Molding	White		0.500 in.	8 ft.	8	1.25 in.



578060

Track – Costa Track®

Costa Track is a center mount track with a heavy-duty PVC profile that maximizes load capability for large covers, bimini and track-to-track enclosures. It is pre-drilled every four inches, and can be heat-formed to most radiuses. Its large channel opening allows use of stainless steel #6 oval head screws for more secure attachment. The deep screw trough base design allows for use of 8.5mm Keder with sufficient clearance of screw heads.

Costa Track is designed with a pocketed underside to accommodate Double-Faced Foam Pressure Sensitive Tape, which is used to set and seal the track to the mounting surface before being secured with the screws.

Item #	Description	Color	Length	Standard Package	Type
578060	UVR Heavy Duty Vinyl	White	8 ft.	8	Flat
578061	UVR Heavy Duty Vinyl	White	16 ft.	16	Flat
578063	UVR Heavy Duty Vinyl	Off-White	16 ft.	16	Flat
578066	UVR Heavy Duty Vinyl	Off-White	16 ft.	16	Contoured
578067	UVR Heavy Duty Vinyl	White	16 ft.	16	Contoured

Costa Track® is a registered trademark of Costa Marine Canvas and Enclosures.

Track – Costa Track® End Cap

This polished end cap gives a professional finish to your Costa Track® track installation while protecting the PVC opening from being "burned out" by taking the keder in and out of the track. Not applicable for contoured Costa Track.



284246

Item #	Style #	Material	Standard Package
284246	501354800	Stainless Steel Type 316	10



578069

Track – Three Channel – PVC

This white PVC Three Channel Track is designed to extend double track capabilities to locations where fasteners are not available, or when track cannot be mounted to a boat, such as the crown on a hardtop, and cross sections of fabric or stainless steel rods. This track can be used with Trivantage® 8.5 mm Keder.

Item #	Style #	Color	Length	Put Up	Standard Package	Width
578069	1290-003	White	12 ft.	12 ft.	144	0.5 in.

Trivantage® is a registered trademark of Glen Raven, Inc.



578019

Track – Flex-A-Rail

Flex-A-Rail provides quick and easy installation of boat windshields, tops, covers and curtains.

A PVC extrusion, Flex-A-Rail is non-corrosive and can be run around tight corners without the use of crimping tools. Only small amounts of heat are needed to bend or straighten. Designed for use of 7.5mm Keder. Pre-drill holes just slightly larger than the shank of the screw (screw item# 265453, screw hex driver item# 265452). Holes should be 2 inches to 2-1/2 inches apart for tight radiuses, and 4 inches to 8 inches apart depending upon the configuration of the mounting surface.

Item #	Style #	Description	Color	Length	Size	Standard Package
578019	180-2-W	UVR Vinyl	White	180 in.	7.5 mm	50



265450



265453



265452



265454

Track – Trim Screws

For use with PVC and aluminum track.

Item #	Description	Material	Size	Standard Package
265452	Hex Driver for Trim Screw (#265453)			1
265453	Hex Head Trim Screw	Stainless Steel	#6 x 3/4" x #4, #0 Square Drive	100
265450	Phillips Head Trim Screw	Stainless Steel	#6 x 3/4" x #4, Phillips Drive	100
265454	Phillips Head Trim Screw	Stainless Steel	#6 x 5/8" x #4, Phillips Drive	100



250837

Track – Headliner

Headliner track is an efficient and cost effective way to install or replace headliners. With Headliner Track, there is no need for staplers or trim strips, and fabricators no longer need to work in enclosed spaces using toxic adhesives and heavy foam backed fabrics.

Headliner Track also makes it possible to replace damaged headliners or work on parts of the boat which were previously not accessible without damaging or rebuilding the entire headliner. Headliner Track allows you to simply pull the fabric out of the track and put it back when the work is done.

Headliner Track is available in two profiles. The Perimeter track is used for the outside edge of a cabin ceiling and the Mid-Wall track is used as an intermediate attachment of the headliner fabric's seams and centerlines. Attached with screws, Headliner Track can be easily mitered for clean corners or slotted for gradual bends and curves.

Item #	Description	Color	Degree of Channel	Flange Size	Length	Material	Standard Package
250837	Perimeter Track	White	90°	0.610 in.	18 ft.	PVC	25
250838	Mid Wall Track	White	90°	0.610 in.	18 ft.	PVC	25



275454



275456



275455

Track – Headliner – Tools

Four custom Headliner track tools make fabric installation a snap. Each tool is lightweight and ergonomically designed with textured, non-slip surfaces. Tools include a 45-degree angle short run tool for tight spaces at close angles; a curved edge tool and straight edge tool for straight runs of short distance; and a nine-inch pizza cutter for long runs of either the Perimeter or Mid-Wall Track.

Item #	Description	Standard Package
275457	Bend Tool – 45°	1
275456	Curved Edge Tool	1
275454	Pizza Cutter Tool	1
275455	Straight Edge Tool	1



277543

Boat Vent 3

Boat Vent 3 is an improved version of Boat Vent II, which made its name in the marine industry by preventing the growth of mold and mildew on covered boats. Made from a high UV-inhibited plastic, improvements include 40% more venting, an overhanging top to deter moisture, 30 washer teeth for better grip and an ergonomic reversible nut for easy installation.

Item #	Color	Standard Package
277543	Black	10



277541

Boat Vent II

A plastic cover support and venting device for use with 3/4 inch or 7/8 inch mooring poles. Designed to distribute a greater volume of exhaust air while closing the top-to-bottom gap that keeps rain out. Suitable for all types of fabric. Unique design eliminates the need for screws, saving time.

Item #	Color	Standard Package
277541	Black	10



277664

Boat Vents

Venting caps for covered marine craft. Designed to prevent mold and mildew growth.

Item #	Description	Color	Material	Size	Standard Package
277664	Boat Vent Aero Sew In Vent with Screen	Black	Rubber	1-1/2 in. (H) x 5 in. (W) x 6-1/8 in. (L)	10



277547

SoftVent™ Vented Pole Cap

Item #	Description	Color	Standard Package
277547	Vented Pole Cap	Black	50
277548	Sewing Attachment Tool		1

SoftVent™ is a trademark of PrecisionSew, LLC.

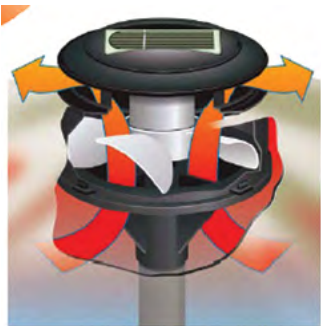


277540

Boat Vent Circle Cutter

Convenient circle cutter allows a hole to be cut in a matter of seconds, for quick and easy installation of the Boat Vent device into fabric. Simply place the cutter in position on the canvas where your Boat Vent is going to sit, press down, and rotate the handle clockwise. One complete revolution provides the perfect 2-1/4" hole for Boat Vent II or a 2-4/5" hole for Boat Vent 3. Using the circle cutter will save time and prevent costly mistakes. The one-of-a-kind device guarantees cutting at least 2,500 holes without dulling. You can use this circle cutter with Boat Vent II or Boat Vent 3 just by switching the blade around.

Item #	Description	Standard Package
277540	Boat Vent Circle Cutter	1
277542	Boat Vent Circle Cutter Replacement Blade	1



277550

Vent-Sol-Air

Vent-Sol-Air uses a solar-powered fan to circulate air under tented boat covers, which fights mold and mildew, and maintains the appearance of a boat's interior.

Vent-Sol-Air mounts to the pole of tented boat covers and installs in minutes. Its sealed, water-resistant design is constructed of tough-plastic for marine-grade durability. Vent-Sol-Air taps the natural power of the sun without using batteries or power cords.

Item #	Standard Package
277550	10



277501

Ventilator – Airlette®

Installs in seconds without the aid of hardware or adhesives, by “snapping” into place with an assured water-tight seal. The Airlette Ventilator automatically self-adjusts to fit any material up to 1/8 inch thick. Its hood rotates 360° and can be detached for easy storage.

Item #	Style #	Color	Standard Package
277501	BSA-2	White	10

Airlette® is a registered trademark of Airlette Manufacturing Corporation.



274811

HANGTYTE Boat Cover System

HANGTYTE is a boat cover suspension system that works with all covers, eliminating the need for poles. The rope ratchet system can be looped over a boat's tower or any overhead structure. Once tightened, HANGTYTE keeps the cover taught and leaves no chance for pooling of water on the cover.

Depending on the size of your boat, you may need one to three HANGTYTE units. One unit for boats 21-foot and under (cockpit), two units for boats in the 22 to 23-foot range (one in the bow, one in the cockpit) and for boats 24-foot and larger, 3 units (one in the bow, two in the cockpit).

Item #	Style #	Standard Package
274811	60901-0000	10



251913

Needle – Sail

Item #	Style #	Finish	Length	Material	Standard Package	Type
251916	16	Nickel Plated	2-3/8 in.	Steel	25	Standard
251913	13	Nickel Plated	3 in.	Steel	25	Standard



254710

Pencil – Fabric Marking

For clear, easy marking of fabrics:

254711 Black graphite pencil designed for use for shop notes, drawings and writing on hard surfaces. Can be used for light use on white fabric, but may be difficult to remove from woven fabrics.

254709 White marking "spit" pencil has a firmer element than the standard "spit" pencil. Designed for use on a variety of fabrics, including clear vinyl. Markings are best removed with a wet cloth.

254710 Soft yellow marking pencil designed for a variety of fabrics, from wovens to vinyls. Care should be taken to avoid marking too hard, as the yellow compound can be hard to remove. At a minimum, markings can be removed with a damp cloth, but heavier markings may require soap and water. Use with acrylic fabrics should be avoided.

Item #	Description	For	Standard Package
254711	Black Graphite	White fabrics (any type)	72 pencils/box
254709	White Lead 1256 "Spit Pencil"	Vinyl, acrylic and woven fabrics	72 pencils/box
254710	Yellow Lead	Vinyl and acrylic fabrics	72 pencils/box

Trivantage® is a registered trademark of Glen Raven, Inc.



255209

Pins – T

Used to secure fabric and make pattern before sewing. A very helpful aid when doing complex custom work, such as a boat top.

Item #	Length	Material	Put Up	Standard Package
255209	2 in.	Steel	1/2 lb. box	1



255215

Pins – Upholstery

Item #	Style #	Material	Size	Standard Package
255215	190	Steel	3 in.	1 gross



200795

Anchor – Pool Cover

The No. 50 deluxe brass anchor remains flush with the pool deck when not in use, and is highly corrosion resistant. It allows the cover to be easily and securely installed by unscrewing the bolt to receive “S” hooks on a rubber tie, a rubber tie hole, or the rounded ring end of the stainless steel spring. There are no threads to strip at the top of the bolt.

For use with Spring – Pool Cover (Item no. 200797).

Item #	Style #	Description	Material	Standard Package
200795	50	Pool Anchor	Brass	1



200797

Spring – Pool Cover

Item #	Length	Material	Standard Package
200797	7.5 in.	Stainless Steel Type 304	1



274511

Ties – Awning

Specially treated for outdoor exposure, these nylon cable ties are designed to allow uniform tightening. Plus, they require less time than traditional lacing cord. These ties are an ideal solution for a professional appearance at a low cost.

Item #	Style #	Color	Length	Standard Package
274511	T50ROM4	Black	8 in.	25



274515

Ties – Aluminium

These aluminum ties are flexible and very easy to use. Will not rust or stain and are reusable.

Item #	Style #	Length	Standard Package
274515	5	5 in.	25



239401

Hook – Tarp Binding

Cold drawn steel with zinc-plated finish, designed primarily to hold tarp ropes securely on truck bodies. Can be used in any industry where ropes are used, and where rope must be held tight.

Item #	Style #	Description	Diameter Hole	Hook Opening	Length	Standard Package	Wire Diameter
239402	12010	Hook No. 3	3/16 in.	5/8 in.	2 in.	25	0.250 in.
239401	12011	Hook No. 5	1/4 in.	1 in.	3-3/4 in.	25	0.365 in.
239452	12009	Hook No. 52C	3/16 in.	7/16 in.	1-1/2 in.	25	0.192 in.



226002

Screw Eye

Zinc-plated finish – with sharp gimlet points for quick starting.

Item #	Style #	Inside Diameter Eye	Length	Length Shank	Standard Package	Wire Diameter
226010	10	13/32 in.	1-3/8 in.	11/16 in.	25	0.135 in.
226008	8	15/32 in.	1-5/8 in.	13/16 in.	25	0.162 in.
226002	2	23/32 in.	2-5/8 in.	1-15/32 in.	25	0.263 in.



226085

Screw Eye – Long Shank

Zinc-plated. For fastening through wood shingles.

Item #	Style #	Inside Diameter Eye	Length	Length Shank	Standard Package
226085	8-1/2	1/2 in.	2-5/16 in.	1-3/8 in.	25



226108

Screw Eye – Open Eye

Zinc-plated finish with sharp gimlet points for starting.

Item #	Style #	Inside Diameter Eye	Length	Length Shank	Standard Package
226108	8	1/2 in.	1-5/8 in.	13/16 in.	25



260920



261012

O Ring

Item #	Finish	Gauge	Inside Diameter of Ring	Material	Standard Package
260902	Chrome Plated	9	1 in.	Zinc Die-Cast	25
260903		13	3/8 in.	Zinc Die-Cast	25
260905	Nickel Plated	12	5/8 in.	Steel	25
260906	Nickel Plated	11	3/4 in.	Zinc Die-Cast	25
260920	Nickel Plated	9	1 in.	Steel (Welded)	25
261004	Cadmium	3	1-1/2 in.	Steel	25
261005	Cadmium	6	1-1/4 in.	Steel	25
261007	Cadmium	0	1-3/4 in.	Steel	25
261008	Cadmium	0	2 in.	Steel	25
261009	Cadmium	000	2-1/4 in.	Steel	25
261010	Cadmium	000	2-1/2 in.	Steel	25
261011	Cadmium	000	2-3/4 in.	Steel	25
261012	Cadmium	000	3 in.	Steel	25
261102		9	1 in.	Type 304 Stainless Steel	25
261106		9	1 in.	Type 316 Stainless Steel	25



Spring – Snap Link

Zinc-plated steel.

Item #	Style #	Description	Standard Package
266677	245M-50M	1.97 in. x 5 mm wire	25



Goldline® EPDM Tie-Down And Tarp Strap

Straps reinforced at hook ends. Hooks are 2-1/2 inch and where included come in a quantity of 2.

To determine strap size, let maximum stretch length, below, be your guide. For example, if distance between tarp grommet and trailer tie-down bar is 24 inch, order a 15 inch strap which provides a maximum 25 inch stretch length. If distance is 27 inch, order a 21 inch strap with maximum 34 inch stretch length.

Where hooks are inserted we supply two hooks per strap.

UNIVERSAL POLYMER Warning for EPDM TARP AND TIE-DOWN STRAPS: Observe maximum stretch warnings. Straps should not be stretched more than 50% of their normal length. Sudden disconnect in a stretched position may cause serious eye injury. Wear safety glasses during tie down and disconnect. Inspect straps before each use. Discard if abraded, cut or cracked. Straps should not be substituted as primary tie-down device for load.

Item #	Style #	Description	Length Overall With Hook	Maximum Stretch With Hook	Standard Package	Tarp Strap Length
269109	635197920	Strap without Hooks	13 in.	18 in.	50	10 in.
269115	635197820	Strap without Hooks	18 in.	25 in.	50	15 in.
269120	635196920	Strap without Hooks	24 in.	34 in.	50	21 in.
269310	635197940	Strap with Hooks Inserted	13 in.	18 in.	50	10 in.
269315	635197840	Strap with Hooks Inserted	18 in.	25 in.	50	15 in.
269321	635196940	Strap with Hooks Inserted	24 in.	34 in.	50	21 in.
269331	635197740	Strap with Hooks Inserted	34 in.	49 in.	50	31 in.
269341	635738940	Strap with Hooks Inserted	44 in.	66 in.	50	41 in.

Goldline® is a registered trademark of Universal Polymer & Rubber LTD.



Hook – Tarp Strap “S”

Item #	Style #	Length	Material	Size Opening	Standard Package
239801	1	1-11/16 in.	Zinc-Plated Steel	3/8 in.	25
239803	3	1-5/8 in.	Zinc-Plated Steel	5/8 in.	25
269200		2-1/2 in.	Stainless Steel	9/16 in.	50
269202		2-1/2 in.	Galvanized Steel	7/8 in.	50



261992

Tie-Down – EPDM Rope Standard Black

Use anywhere constant tension is needed. Just cut the cord to the length required, apply the galvanized double eye hooks at both ends, and it's ready for use. Will not crack, chip or peel. Use in any weather.

UNIVERSAL POLYMER Warning for EPDM ROPE TIE-DOWNS: Sudden disconnect in a stretched position may cause serious eye injury. Wear safety glasses during tie down and disconnect. Inspect before use. Discard if abraded, cut or cracked.

Item #	Style #	Put Up	Rope Size	Standard Package
261991	933037502	200 ft. coil	3/8 in.	1
261990	933037501	200 ft. coil with 150 double eye hooks	3/8 in.	1
261992	933037503	800 ft. coil	3/8 in.	1



261993

Tie-Down – EPDM Rope Heavy Duty Black

Use anywhere constant tension is needed. Just cut the cord to the length required, apply the galvanized double eye hooks at both ends, and it's ready for use. Will not crack, chip or peel. Use in any weather.

UNIVERSAL POLYMER Warning for EPDM ROPE TIE-DOWNS: Sudden disconnect in a stretched position may cause serious eye injury. Wear safety glasses during tie down and disconnect. Inspect before use. Discard if abraded, cut or cracked.

Item #	Style #	Description	Put Up	Rope Size	Standard Package
261994	933043701		150 ft. coil	7/16 in.	1
261993	933043702		150 ft. coil with 150 double eye hooks	7/16 in.	1
261995	933043703		600 ft. coil	7/16 in.	1
261996		Galvanized Double Eye Hooks			25



261996

Snap – Bolt

Malleable iron, loop eye.



266679

Item #	Style #	Finish	Length	Material	Standard Package	Webbing Size
266679	25	Cadmium Plated	3-1/4 in.	Malleable Iron	10	1 in.

Snap – Curtain Trigger

Made of malleable iron. Used to fasten down roller curtains. Zinc plated.



266675

Item #	Style #	Length	Standard Package	Webbing Size
266675	204	1-3/4 in.	10	3/4 in.



266672



266895



266686



266514



266504



267612



267500

Snap – Spring

Item #	Style #	Finish	Length	Material	Standard Package	Webbing Size
266680	200	Cadmium Plated	3-1/16 in.	Malleable Iron	1	1 in.
266876	349			Stainless Steel	1	1 in.
266685	900ST	Nickel Plated		Steel	1	1 in.
266904	5350	Nickel Plated	1-3/4 in.	Steel	1	1 in.
266895	5016	Nickel Plated	2-5/8 in.	Steel	1	1 in.
266741	142-A	Zinc Plated	2-1/8 in.	Steel	1	1 in.
266672	200	Zinc Plated	3-9/16 in.	Malleable Iron	1	1-1/2 in.
266681	142-A	Nickel Plated	1-15/16 in.	Steel	1	1-1/2 in.
266674	200	Zinc Plated	3-3/4 in.	Steel	1	2 in.
266767	249	Brass	2-1/2 in.	Brass	1	3/4 in.

Snap – Tent Wall

Item #	Style #	Finish	Material	Standard Package	Webbing Size
266686	340Z	Nickel Plated	Zinc Die Cast	1	1 in.

Tent Slide

Stamped galvanized steel.

Item #	Style #	Length	Rope Size	Standard Package
266514	4	4 in.	5/16 in.	25

Tent Slip

Injection-molded, glass-filled nylon, 4 inch long for 5/16 inch diameter rope. Meets spec. MIL-S-1734 Type II.

Item #	Color	Length	Rope Size	Standard Package
266504	Olive Drab	4 in.	5/16 in.	700

Tent Stake – Steel

Formed of heavy-gauge, precoated galvanized steel. Specially designed top provides maximum strength with minimum weight.

Item #	Length	Standard Package
267609	9 in.	25
267612	12 in.	25
267615	15 in.	25

Tent Stake – Polypropylene

Made to withstand heavy usage. Superior strength in temperature extremes.

Item #	Color	Length	Standard Package
267500	Yellow	9 in.	25



280331

YKK® VISLON® 10VF No. 10 Sliders – Metal

Item #	Style #	Description	Color	Color #	Standard Package
280363	10VFDX	AutoLok Double Pull Tab	Black	580	100
280336	10CFDX	AutoLok Double Pull Tab	White	501	100
280362	10VFDA	AutoLok Single Pull Tab	Black	580	100
280595	10VFDA	AutoLok Single Pull Tab	Light Beige		100
280334	10VFDA	AutoLok Single Pull Tab	White	501	100
280873	10VFDWL	Non-Locking Long Double Pull Tab	Black	580	100
280872	10VFDWL	Non-Locking Long Double Pull Tab	White	501	100
280369	10VFDFWW	Non-Locking Short Double Pull Tab	Black	580	100
280332	10VFDFWW	Non-Locking Short Double Pull Tab	White	501	100
280331	10VFDFW	Non-Locking Short Single Pull Tab	Black	580	100
280330	10VFDFW	Non-Locking Short Single Pull Tab	White	501	100
280950	10VFDFL	Non-Locking Single Pull Tab	Black	580	100

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280417

YKK® VISLON® 10VF No. 10 Sliders – Plastic

Item #	Style #	Description	Color	Color #	Standard Package
280364	10VFTX	AutoLok Double Pull Tab	White	501	100
280365	10VFTX	AutoLok Double Pull Tab	Black	580	100
280366	10VFTW	Non-Locking Short Double Pull Tab	White	501	100
280415	10VF	Single Pull Platic Slider	White	501	100
280417	10VF	Single Pull Platic Slider	Black	580	100

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280311

YKK® VISLON® 10VFUV No. 10 Chain (VF)

Full rolls only.

Item #	Style #	Color	Color #	Standard Package	Width
280311	10VF	Black	580	109 yds.	11/16 in.
280309	10VF	Black	580	55 yds.	11/16 in.
299398	10VF	White	501	109 yds.	11/16 in.
280307	10VF	White	501	55 yds.	11/16 in.

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295641

YKK® VISLON® 5VS No. 5 Sliders – Metal

Item #	Style #	Description	Color	Color #	Standard Package
295658	5VSDXL	AutoLok Standard Double Pull Tab	Black	580	100
295657	5VSDXL	AutoLok Standard Double Pull Tab	White	501	100
295654	5VSDA	AutoLok Standard Single Pull Tab	Black	580	100
295653	5VSDA	AutoLok Standard Single Pull Tab	White	501	100
295650	5VSDWL	Non-Locking Long Double Pull Tab	Black	580	100
295649	5VSDWL	Non-Locking Long Double Pull Tab	White	501	100
295642	5VSDFL	Non-Locking Long Single Pull Tab	Beige	573	100
295641	5VSDFL	Non-Locking Long Single Pull Tab	Black	580	100

Item #	Style #	Description	Color	Color #	Standard Package
295640	5VSDFL	Non-Locking Long Single Pull Tab	White	501	100
295646	5VSDFW	Non-Locking Short Single Pull Tab	Black	580	100
295645	5VSDFW	Non-Locking Short Single Pull Tab	White	501	100

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YKK® VISLON® 5VS No. 5 Sliders – Plastic

Item #	Style #	Description	Color	Color #	Standard Package
295674	5VSTX	AutoLok Standard Double Pull Tab	Black	580	100
295670	5VSTA	AutoLok Standard Single Pull Tab	Black	580	100
295669	5VSTA	AutoLok Standard Single Pull Tab	White	501	100
295662	5VSTF	Non-Locking Short Single Pull Tab	Black	580	100
295661	5VSTF	Non-Locking Short Single Pull Tab	White	501	100

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YKK® VISLON® 5VS No. 5 Chain

Full rolls only.

Item #	Style #	Color	Color #	Standard Package	Width
295630	5VS	Beige	573	218 yds.	9/16 in.
295627	5VS	Black	580	109 yds.	9/16 in.
295628	5VS	Black	580	218 yds.	9/16 in.
295625	5VS	White	501	109 yds.	9/16 in.
295626	5VS	White	501	218 yds.	9/16 in.

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YKK® VISLON® 8VF No. 8 Sliders – Metal

Item #	Style #	Description	Color	Color #	Standard Package
280938	8VFDXL	AutoLok Long Double Pull Tab	Black	580	100
280926	8VFDXL	AutoLok Long Double Pull Tab	White	501	100
280922	8VFDA	AutoLok Single Pull Tab	Black	580	100
280920	8VFDA	AutoLok Single Pull Tab	White	501	100

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YKK® VISLON® 8VFUV No. 8 Chain

Full rolls only.

Item #	Style #	Color	Color #	Standard Package	Width
280910	8VFUV	Black	580	137 yds.	5/8 in.
280900	8VFUV	White	501	137 yds.	5/8 in.

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YKK® ZIPLON® Sliders – Metal



279836

Item #	Style #	Description	Color	Color #	Finish	Standard Package
279836	5CND A5	AutoLok Single Pull Tab	Black	580		100
280529	10CFDA6	AutoLok Single Pull Tab	Black	580		100
279835	5CND A5	AutoLok Single Pull Tab	White	501		100
280511	10CFDA3	AutoLok Single Pull Tab	White	501		100
280368	10CFDWL	Non-Locking Long Double Pull Tab	Black	580		100
279846	5CNDW3L	Non-Locking Long Double Pull Tab	Black	580		100
280341	8CFDWL	Non-Locking Long Double Pull Tab	Black	580		100
279845	5CNDW3L	Non-Locking Long Double Pull Tab	White	501		100
280339	10CFDWL	Non-Locking Long Double Pull Tab	White	501		100
279843	5CNDFL	Non-Locking Long Single Pull Tab	Beige	573		100
280319	4.5CNDFL	Non-Locking Long Single Pull Tab	Black	580		100
280348	10CFDFL	Non-Locking Long Single Pull Tab	Black	580		100
279841	5CNDFL	Non-Locking Long Single Pull Tab	Black	580		100
280514	8CNDFL	Non-Locking Long Single Pull Tab	Black	580		100
279842	5CNDFL	Non-Locking Long Single Pull Tab			Nickel Plated	100
280317	4.5CNDFL	Non-Locking Long Single Pull Tab			Nickel Plated	100
280338	10CFDFL	Non-Locking Long Single Pull Tab			Nickel Plated	100
280515	8CNDFL	Non-Locking Long Single Pull Tab			Nickel Plated	100
280510	8CFDFL	Non-Locking Long Single Pull Tab	White	501		100
280349	10CFDFL	Non-Locking Long Single Pull Tab	White	501		100
279840	5CNDFL	Non-Locking Long Single Pull Tab	White	501		100
279834	10CFDFL	Non-Locking Long Single Pull Tab	White	501	Powder Coated	100

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YKK® ZIPLON® Chain (CF)

Full rolls only.



279831

Item #	Style #	Color	Color #	Standard Package	Width
279827	5CF	Beige	573	218 yds.	5/8 in.
280509	8CF	Beige	573	165 yds.	3/4 in.
280316	10CF	Black	580	109 yds.	3/4 in.
280291	4.5CF	Black	580	218 yds.	5/8 in.
279831	5CF	Black	580	218 yds.	5/8 in.
280505	8CF	Black	580	165 yds.	3/4 in.
280591	8CF	Black	580	165 yds.	5/8 in.
280502	9CF	Black	580	109 yds.	3/4 in.
280315	10CF	White	501	109 yds.	3/4 in.
280290	4.5CF	White	501	218 yds.	5/8 in.
279830	5CF	White	501	218 yds.	5/8 in.
280504	8CF	White	501	165 yds.	3/4 in.

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280492

YKK® Pull Cord

YKK pull cord with a shell-type zipper cord end and elastic pull cord. Made with a durable black acetal plastic cord end and a highly elastic shock cord, it provides maximum tension and hold. Uses include apparel, accessories, backpacks, luggage, bags, marine and outdoor applications, and more.

Item #	Style #	Color	Cord Size	Length
586090	LCWE	Black	1/10 in.	4.5 in.

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280492

YKK® VISLON® Bottom Stops

This YKK bottom stop locks the chain to stop the slider where installed. Easily install the zipper stop end with pliers by piercing the prongs through the tape. Made from die-cast zinc with chip-resistant enamel paint. Use the zipper bottom stop for zipper repair, replacement, or custom zipper projects where a sturdy stopper is needed.

Item #	Style #	Color	Color #	Standard Package
280492	10 VF	Black	580	100
295681	5 VS	Black	580	100
280550	10 VF	White	501	100
295680	5 VS	White	501	100

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280493

YKK® VISLON® Top Stops

Top stops prevent sliders from running off the zipper chain. Easily install the zipper stop end by removing a tooth where the top stop will be placed (one top stop for each side of the zipper). The durable piece of hardware is made from die-cast zinc with enamel paint. Use the zipper top stop for zipper repair, replacement, or custom zipper projects where a sturdy stopper is needed.

Item #	Style #	Color	Color #	Standard Package
280493	10 VF	Black	580	100
280547	10 VF	White	501	100
295682	5 VS	White	501	100
295683	5 VS	Black	580	100

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280490

YKK® SNAPCAP®

This revolutionary zipper top stop is ready for assembly – simply snap it onto the end of the zipper. This top stop prevents the slider from running off the zipper chain. Use the SNAPCAP zipper top stop for zipper repair, replacement, or custom zipper projects where a sturdy plastic stopper is needed.

Item #	Style #	Color	Color #	Standard Package
280490	10VF	Black	580	100
280491	10VF	White	501	100

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280974

Top Stop No. 10

No. 10 Zipper Top Stop is placed over a tooth on each side of the zipper and bent in place with pliers. It eliminates the need to cut the zipper and chain with a hot knife or sew it down to form a stop. Providing added flexibility, the Stainless Steel Zipper Top Stop can be moved if needed.

Item #	Style #	Material	Standard Package
280974	89001	Stainless Steel	100



255251

Zipper Stop Application Tool

Convenient tool designed specifically to apply Zipper Stop to zipper chain, helping eliminate slippage and rotation of the stop. Features a special groove that firmly holds zipper stop in place.

Item #	Style #	Standard Package
255251	1012	1



255252

Zipper Jig

Save time during zipper installations with the Zipper Jig. This handy tool holds YKK® zipper sliders from #2.5 to #10, allowing you to easily install sliders. The lower clamp securely holds the Zipper Jig to a counter, while the upper clamp is used to lock the jig rod in any direction. It even allows you to put a zipper on backwards. The Zipper Jig is 5-1/2 inch x 4-3/4 inch, making it ideal for workstations.

To use simply place the slider upside-down and facing forward into the slot on the rod. Open the zipper one or two inches and hold face down. Feed both sides evenly into the slider held by the rod, coming in at a 45 degree angle. Pull forward and it's done!

Item #	Style #	Standard Package
255252	1014	1

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279872

YKK® VISLON® UV VFUV No. 10 Separating Zipper Automatic Lock – Metal Slider

Engineered especially for marine applications. All element and slider materials are scientifically designed to resist damage from sunlight as well as corrosion. Teeth injection-molded from DuPont™ Delrin®.

UV-resistant acetal resin attached to a strong cord and tape, which ensure the sliders stay on track. The Delrin polymer reduces the effect of ultraviolet radiation, significantly increasing its useful life.

Item #	Style #	Description	Color	Color #	Length	Standard Package
279872	VFUV	Single Pull Metal Slider	Black	32483	108 in.	10
279868	VFUV	Double Pull Metal Slider	Black	41578	144 in.	10
279866	VFUV	Double Pull Nylon Slider	Black	32241	78 in.	10

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279893

YKK® VISLON® UV VFUV No. 8 Separating Zipper Non-Locking – Double Pull Metal Slider

Engineered especially for marine applications. All element and slider materials are scientifically designed to resist damage from sunlight as well as corrosion. Teeth injection-molded from DuPont™ Delrin®.

UV-resistant acetal resin attached to a strong cord and tape, which ensure the sliders stay on track. The Delrin polymer reduces the effect of ultraviolet radiation, significantly increasing its useful life.

Item #	Style #	Color	Color #	Length	Standard Package
279890	VFUV	Black	32238	18 in.	10
279891	VFUV	Black	32238	24 in.	10
279893	VFUV	Black	32238	36 in.	10
279895	VFUV	Black	32238	42 in.	10
279896	VFUV	Black	32238	48 in.	10
279897	VFUV	Black	32238	54 in.	10
279898	VFUV	Black	32238	60 in.	10
279900	VFUV	Black	32238	72 in.	10
279875	VFUV	White	32438	18 in.	10
279876	VFUV	White	32438	24 in.	10
279878	VFUV	White	32438	36 in.	10
279879	VFUV	White	32438	42 in.	10
279880	VFUV	White	32438	48 in.	10
279882	VFUV	White	32438	60 in.	10
279884	VFUV	White	32438	72 in.	10

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296215

YKK® VISLON® VFOL105W No. 10 Separating Zipper Non-Locking – Double Pull Metal Slider

YKK® No. 10 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
296215	VFOL105W	Black	580	60 in.	10
296234	VFOL105W	Onion	801	72 in.	10

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280243

YKK® VISLON® VFULVOL-107 DX E No. 10 Separating Zipper With Automatic Lock – Short Double Pull Metal Slider

YKK® No. 10 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
280243	VFULVOL-107 DX E	Natural	572	96 in.	10

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296180

YKK® VISLON® VFUVOL-106 DA E No. 10 Separating Zipper With Automatic Lock – Short Single Pull Metal Slider

YKK® No. 10 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
296196	VFUVOL-106 DA E	Black	580	110 in.	10
296183	VFUVOL-106 DA E	Black	580	12 in.	10
296198	VFUVOL-106 DA E	Black	580	120 in.	10
296199	VFUVOL-106 DA E	Black	580	144 in.	10
296180	VFUVOL-106 DA E	Black	580	24 in.	10
296182	VFUVOL-106 DA E	Black	580	36 in.	10
296184	VFUVOL-106 DA E	Black	580	42 in.	10
296185	VFUVOL-106 DA E	Black	580	48 in.	10
296186	VFUVOL-106 DA E	Black	580	54 in.	10
296187	VFUVOL-106 DA E	Black	580	60 in.	10
296190	VFUVOL-106 DA E	Black	580	72 in.	10
296192	VFUVOL-106 DA E	Black	580	84 in.	10
296194	VFUVOL-106 DA E	Black	580	96 in.	10
296178	VFUVOL-106 DA E	White	501	120 in.	10
296179	VFUVOL-106 DA E	White	501	144 in.	10
296156	VFUVOL-106 DA E	White	501	18 in.	10
296160	VFUVOL-106 DA E	White	501	24 in.	10
296162	VFUVOL-106 DA E	White	501	36 in.	10
296165	VFUVOL-106 DA E	White	501	48 in.	10
296167	VFUVOL-106 DA E	White	501	60 in.	10
296170	VFUVOL-106 DA E	White	501	72 in.	10
296172	VFUVOL-106 DA E	White	501	84 in.	10
296174	VFUVOL-106 DA E	White	501	96 in.	10

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279692

YKK® VISLON® VFUVOL-106 EW 11/16 Boat Top UV Separating Zipper with Automatic Lock – Short Single Pull Plastic Slider

Item #	Style #	Color	Length	Standard Package
279696	VFUVOL-106 EW 11/16	Black	108 in.	10
279697	VFUVOL-106 EW 11/16	Black	120 in.	10
279690	VFUVOL-106 EW 11/16	Black	24 in.	10
279691	VFUVOL-106 EW 11/16	Black	36 in.	10
279692	VFUVOL-106 EW 11/16	Black	48 in.	10
279693	VFUVOL-106 EW 11/16	Black	60 in.	10
279694	VFUVOL-106 EW 11/16	Black	72 in.	10
279695	VFUVOL-106 EW 11/16	Black	84 in.	10
279687	VFUVOL-106 EW 11/16	White	120 in.	10
279680	VFUVOL-106 EW 11/16	White	24 in.	10
279681	VFUVOL-106 EW 11/16	White	36. in	10
279682	VFUVOL-106 EW 11/16	White	48 in.	10
279683	VFUVOL-106 EW 11/16	White	60 in.	10
279684	VFUVOL-106 EW 11/16	White	72 in.	10
279685	VFUVOL-106 EW 11/16	White	84 in.	10
279686	VFUVOL-106 EW 11/16	White	96 in.	10

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296119

YKK® VISLON® VFUVOL-107 DX E No. 10 Separating Zipper With Automatic Lock – Short Double Pull Metal Slider

YKK® No. 10 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
296145	VFUVOL-107 DX E	Black	580	100 in.	10
296147	VFUVOL-107 DX E	Black	580	108 in.	10
296149	VFUVOL-107 DX E	Black	580	110 in.	10
296118	VFUVOL-107 DX E	Black	580	12 in.	10
296151	VFUVOL-107 DX E	Black	580	120 in.	10
296120	VFUVOL-107 DX E	Black	580	18 in.	10
296119	VFUVOL-107 DX E	Black	580	20 in.	10
296122	VFUVOL-107 DX E	Black	580	24 in.	10
296154	VFUVOL-107 DX E	Black	580	240 in.	10
296124	VFUVOL-107 DX E	Black	580	30 in.	10
296125	VFUVOL-107 DX E	Black	580	34 in.	10
296126	VFUVOL-107 DX E	Black	580	36 in.	10
296128	VFUVOL-107 DX E	Black	580	40 in.	10
296129	VFUVOL-107 DX E	Black	580	42 in.	10
296134	VFUVOL-107 DX E	Black	580	46 in.	10
296131	VFUVOL-107 DX E	Black	580	48 in.	10
296133	VFUVOL-107 DX E	Black	580	54 in.	10
296135	VFUVOL-107 DX E	Black	580	60 in.	10
296137	VFUVOL-107 DX E	Black	580	66 in.	10

Item #	Style #	Color	Color #	Length	Standard Package
296142	VFUVOL-107 DX E	Black	580	68 in.	10
296139	VFUVOL-107 DX E	Black	580	72 in.	10
296144	VFUVOL-107 DX E	Black	580	76 in.	10
296146	VFUVOL-107 DX E	Black	580	80 in.	10
296141	VFUVOL-107 DX E	Black	580	84 in.	10
296148	VFUVOL-107 DX E	Black	580	90 in.	10
296143	VFUVOL-107 DX E	Black	580	96 in.	10
296265	VFUVOL-107 DX E	Light Beige	573	120 in.	10
296270	VFUVOL-107 DX E	Light Beige	573	144 in.	10
296233	VFUVOL-107 DX E	Light Beige	573	18 in.	10
296236	VFUVOL-107 DX E	Light Beige	573	24 in.	10
296237	VFUVOL-107 DX E	Light Beige	573	30 in.	10
296239	VFUVOL-107 DX E	Light Beige	573	36 in.	10
296242	VFUVOL-107 DX E	Light Beige	573	42 in.	10
296245	VFUVOL-107 DX E	Light Beige	573	48 in.	10
296248	VFUVOL-107 DX E	Light Beige	573	54 in.	10
296251	VFUVOL-107 DX E	Light Beige	573	60 in.	10
296254	VFUVOL-107 DX E	Light Beige	573	72 in.	10
296257	VFUVOL-107 DX E	Light Beige	573	84 in.	10
296260	VFUVOL-107 DX E	Light Beige	573	96 in.	10
296089	VFUVOL-107 DX E	White	501	100 in.	10
296091	VFUVOL-107 DX E	White	501	108 in.	10
296092	VFUVOL-107 DX E	White	501	110 in.	10
296094	VFUVOL-107 DX E	White	501	120 in.	10
296098	VFUVOL-107 DX E	White	501	144 in.	10
296099	VFUVOL-107 DX E	White	501	154 in.	10
296061	VFUVOL-107 DX E	White	501	18 in.	10
296063	VFUVOL-107 DX E	White	501	24 in.	10
296105	VFUVOL-107 DX E	White	501	240 in.	10
296065	VFUVOL-107 DX E	White	501	30 in.	10
296068	VFUVOL-107 DX E	White	501	36 in.	10
296069	VFUVOL-107 DX E	White	501	40 in.	10
296070	VFUVOL-107 DX E	White	501	42 in.	10
296072	VFUVOL-107 DX E	White	501	48 in.	10
296074	VFUVOL-107 DX E	White	501	54 in.	10
296076	VFUVOL-107 DX E	White	501	60 in.	10
296080	VFUVOL-107 DX E	White	501	66 in.	10
296082	VFUVOL-107 DX E	White	501	72 in.	10
296084	VFUVOL-107 DX E	White	501	78 in.	10
296086	VFUVOL-107 DX E	White	501	84 in.	10
296087	VFUVOL-107 DX E	White	501	90 in.	10
296088	VFUVOL-107 DX E	White	501	96 in.	10

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280681

YKK® VISLON® VFUVOL-86 DA E No. 8 Separating Zipper With Automatic Lock – Short Single Pull Metal Slider

YKK® No. 8 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
280690	VFUVOL-86 DA E	Black	580	36 in.	10
280692	VFUVOL-86 DA E	Black	580	48 in.	10
280681	VFUVOL-86 DA E	White	501	42 in.	10
280682	VFUVOL-86 DA E	White	501	48 in.	10

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280758

YKK® VISLON® VFUVOL-87 DXL E No. 8 Separating Zipper With Automatic Lock – Long Double Pull Metal Slider

YKK® No. 8 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
280770	VFUVOL-87 DXL E	Black	580	110 in.	10
280772	VFUVOL-87 DXL E	Black	580	120 in.	10
280740	VFUVOL-87 DXL E	Black	580	18 in.	10
280741	VFUVOL-87 DXL E	Black	580	22 in.	10
280742	VFUVOL-87 DXL E	Black	580	24 in.	10
280744	VFUVOL-87 DXL E	Black	580	30 in.	10
280746	VFUVOL-87 DXL E	Black	580	36 in.	10
280748	VFUVOL-87 DXL E	Black	580	40 in.	10
280750	VFUVOL-87 DXL E	Black	580	42 in.	10
280752	VFUVOL-87 DXL E	Black	580	48 in.	10
280754	VFUVOL-87 DXL E	Black	580	54 in.	10
280756	VFUVOL-87 DXL E	Black	580	60 in.	10
280758	VFUVOL-87 DXL E	Black	580	66 in.	10
280760	VFUVOL-87 DXL E	Black	580	72 in.	10
280762	VFUVOL-87 DXL E	Black	580	78 in.	10
280764	VFUVOL-87 DXL E	Black	580	84 in.	10
280766	VFUVOL-87 DXL E	Black	580	96 in.	10
280810	VFUVOL-87 DXL E	Gray	576	110 in.	10
280787	VFUVOL-87 DXL E	Gray	576	38 in.	10
280792	VFUVOL-87 DXL E	Gray	576	48 in.	10
280800	VFUVOL-87 DXL E	Gray	576	72 in.	10
280804	VFUVOL-87 DXL E	Gray	576	84 in.	10
280806	VFUVOL-87 DXL E	Gray	576	96 in.	10
280730	VFUVOL-87 DXL E	White	501	110 in.	10
280732	VFUVOL-87 DXL E	White	501	120 in.	10
280700	VFUVOL-87 DXL E	White	501	18 in.	10

Item #	Style #	Color	Color #	Length	Standard Package
280702	VFUVOL-87 DXL E	White	501	24 in.	10
280704	VFUVOL-87 DXL E	White	501	30 in.	10
280706	VFUVOL-87 DXL E	White	501	36 in.	10
280710	VFUVOL-87 DXL E	White	501	42 in.	10
280712	VFUVOL-87 DXL E	White	501	48 in.	10
280714	VFUVOL-87 DXL E	White	501	54 in.	10
280717	VFUVOL-87 DXL E	White	501	56 in.	10
280716	VFUVOL-87 DXL E	White	501	60 in.	10
280720	VFUVOL-87 DXL E	White	501	72 in.	10
280722	VFUVOL-87 DXL E	White	501	78 in.	10
280724	VFUVOL-87 DXL E	White	501	84 in.	10
280726	VFUVOL-87 DXL E	White	501	96 in.	10

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YKK® VISLON® VFUVOL107TX No. 10 Separating Zipper With Automatic Lock – Double-Pull Plastic Slider

YKK® No. 10 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
280442	VFUVOL107TX	Black	580	100 in.	10
280444	VFUVOL107TX	Black	580	108 in.	10
280446	VFUVOL107TX	Black	580	110 in.	10
280448	VFUVOL107TX	Black	580	120 in.	10
280418	VFUVOL107TX	Black	580	18 in.	10
280420	VFUVOL107TX	Black	580	24 in.	10
280421	VFUVOL107TX	Black	580	30 in.	10
280422	VFUVOL107TX	Black	580	36 in.	10
280424	VFUVOL107TX	Black	580	40 in.	10
280426	VFUVOL107TX	Black	580	42 in.	10
280428	VFUVOL107TX	Black	580	48 in.	10
280430	VFUVOL107TX	Black	580	54 in.	10
280432	VFUVOL107TX	Black	580	60 in.	10
280434	VFUVOL107TX	Black	580	66 in.	10
280436	VFUVOL107TX	Black	580	72 in.	10
280438	VFUVOL107TX	Black	580	84 in.	10
280440	VFUVOL107TX	Black	580	96 in.	10
280242	VFUVOL107TX	White	501	100 in.	10
280244	VFUVOL107TX	White	501	108 in.	10
280246	VFUVOL107TX	White	501	110 in.	10
280248	VFUVOL107TX	White	501	120 in.	10
280218	VFUVOL107TX	White	501	18 in.	10
280220	VFUVOL107TX	White	501	24 in.	10
280221	VFUVOL107TX	White	501	30 in.	10
280222	VFUVOL107TX	White	501	36 in.	10



280446

Item #	Style #	Color	Color #	Length	Standard Package
280224	VFUVOL107TX	White	501	40 in.	10
280226	VFUVOL107TX	White	501	42 in.	10
280228	VFUVOL107TX	White	501	48 in.	10
280230	VFUVOL107TX	White	501	54 in.	10
280232	VFUVOL107TX	White	501	60 in.	10
280234	VFUVOL107TX	White	501	66 in.	10
280236	VFUVOL107TX	White	501	72 in.	10
280237	VFUVOL107TX	White	501	78 in.	10
280238	VFUVOL107TX	White	501	84 in.	10
280240	VFUVOL107TX	White	501	96 in.	10

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295685

YKK® VISLON® VSOL56 No. 5 Separating Zipper With Automatic Lock – Short Single Pull Metal Slider

YKK® No. 5 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
295728	VSOL56	Black	580	108 in.	10
295711	VSOL56	Black	580	12 in.	10
295730	VSOL56	Black	580	144 in.	10
295713	VSOL56	Black	580	24 in.	10
295714	VSOL56	Black	580	30 in.	10
295715	VSOL56	Black	580	36 in.	10
295716	VSOL56	Black	580	42 in.	10
295717	VSOL56	Black	580	44 in.	10
295745	VSOL56	Black	580	46 in.	10
295718	VSOL56	Black	580	48 in.	10
295685	VSOL56	Black	580	52 in.	10
295719	VSOL56	Black	580	54 in.	10
295720	VSOL56	Black	580	60 in.	10
295722	VSOL56	Black	580	72 in.	10
295724	VSOL56	Black	580	84 in.	10
295726	VSOL56	Black	580	96 in.	10
295707	VSOL56	White	501	108 in.	10
295690	VSOL56	White	501	12 in.	10
295709	VSOL56	White	501	144 in.	10
295692	VSOL56	White	501	24 in.	10
295693	VSOL56	White	501	30 in.	10
295694	VSOL56	White	501	36 in.	10
295695	VSOL56	White	501	42 in.	10
295687	VSOL56	White	501	46 in.	10
295697	VSOL56	White	501	48 in.	10
295698	VSOL56	White	501	54 in.	10

Item #	Style #	Color	Color #	Length	Standard Package
295699	VSOL56	White	501	60 in.	10
295701	VSOL56	White	501	72 in.	10
295703	VSOL56	White	501	84 in.	10
295705	VSOL56	White	501	96 in.	10

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280085

YKK® Vislon® VFUVOL-86 DA E 5/8 No. 8 Separating Zipper With Automatic Lock – Single Pull Metal Slider

Item #	Style #	Color	Length	Standard Package	Width
280085	VFUVOL86 DA E 5/8	Black	60 in.	10	

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295778

YKK® ZIPLON® CFOR-106 DA E No. 10 Separating Zipper with Automatic Lock – Single Pull Metal Slider

Item #	Style #	Color	Color #	Length	Standard Package
295779	CFOR-106 DA E	Black	580	108 in.	10
295767	CFOR-106 DA E	Black	580	36 in.	10
295769	CFOR-106 DA E	Black	580	48 in.	10
295771	CFOR-106 DA E	Black	580	60 in.	10
295773	CFOR-106 DA E	Black	580	72 in.	10
295777	CFOR-106 DA E	Black	580	96 in.	10
295778	CFOR-106 DA E	White	501	108 in.	10
295766	CFOR-106 DA E	White	501	36 in.	10
295768	CFOR-106 DA E	White	501	48 in.	10
295770	CFOR-106 DA E	White	501	60 in.	10
295772	CFOR-106 DA E	White	501	72 in.	10
295774	CFOR-106 DA E	White	501	84 in.	10
295776	CFOR-106 DA E	White	501	96 in.	10

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295973

YKK® ZIPLON® CFOR-105 DWL E No. 10 Separating Zipper Non-Locking – Double Pull Metal Slider

Item #	Style #	Color	Color #	Length	Standard Package
295973	CFOR-105 DWL E	Black	580	108 in.	10
295961	CFOR-105 DWL E	Black	580	36 in.	10
295963	CFOR-105 DWL E	Black	580	48 in.	10
295965	CFOR-105 DWL E	Black	580	60 in.	10
295967	CFOR-105 DWL E	Black	580	72 in.	10
295969	CFOR-105 DWL E	Black	580	84 in.	10
295971	CFOR-105 DWL E	Black	580	96 in.	10
295972	CFOR-105 DWL E	White	501	108 in.	10
295960	CFOR-105 DWL E	White	501	36 in.	10



279570

Item #	Style #	Color	Color #	Length	Standard Package
295962	CFOR-105 DWL E	White	501	48 in.	10
295964	CFOR-105 DWL E	White	501	60 in.	10
295968	CFOR-105 DWL E	White	501	84 in.	10
295970	CFOR-105 DWL E	White	501	96 in.	10

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Sunbrella® SUNZIP™ III #10 Separating Zipper with Automatic Lock – Double Pull Metal Slider

Sunbrella SUNZIP marine zippers are lightweight but strong. They're water repellent, mold and mildew resistant, and bleach cleanable. This makes them great for boat covers, boat enclosures, and other marine applications. For reliable performance, this is the first zipper to feature genuine Sunbrella Acrylic zipper tape. To resist fading and damage from the sun, the zipper teeth are made from UV-resistant resin.

Item #	Color	Length	Standard Package
279570	Black	36 in.	10
279571	Black	48 in.	10
279572	Black	60 in.	10
279573	Black	72 in.	10
279551	White	36 in.	10
279552	White	48 in.	10
279553	White	60 in.	10
279554	White	72 in.	10

Sunbrella® is a registered trademark of Glen Raven, Inc. SUNZIP™ is a trademark of IDEAL Fastener Corporation.

YKK® ZIPPY COOL®

This two-part product includes a cleaner and lubricant. It is specially formulated for use on all types of metal and plastic zippers. The patented push/pull dispenser brush removes harmful dirt, sand and salt. After rinsing, it leaves a protective film on the zipper. Lubrication on the zipper will not flake or cause jams, even in extreme temperatures. It contains no silicone or paraffin.

Item #	Description	Standard Package
279813	Zippy Cleaner and Lubricant	1

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279813



279800



202475



202476



202469

Zipzap Lubricants

Extends the life of the zipper. Cleans and lubricates plastic, nylon, and metal zippers, without collecting dirt, sand or organic residue. The wax provides smooth zipper teeth operation, and the fluid cleans and lubricates the zipper action.

Item #	Description	Put Up	Standard Package
279800	Fluid	2 oz.	1

Awl – Automatic

The No. 413 Automatic Awl is used for sewing leather and canvas. This tool carries a spool of thread on the handle and includes an extra curved needle and wrench.

Item #	Style #	Description	Standard Package
202475	413	Automatic Awl	1
202476	413N-5	Automatic Awl Straight Needle	1
202479	413N-8	Automatic Awl Straight Needle	1

Awl – Heavy-Duty Scratch No. 4

Scratch Awl comes with a plastic handle and quality steel blade. It's used to mark surfaces for cutting and fabrication and for holding down fabric while working.

Item #	Style #	Blade Size	Standard Package
202469	4-1	2-1/2 in.	1
202470	4-2	3-1/2 in.	1



248232

Universal Binder With Plate

This inexpensive universal binder attachment is ideal for use with 3/4 inch and 1 inch acrylic bindings. It comes with a universal plate assembly so it fits almost any commercial sewing machine. The opening is wide enough so that two edge turn bias cut binding slides smoothly and effortlessly through the attachment.

Item #	Style #	For Use With	Standard Package	Type
248232	100LS-1	1 in. binding	1	Plain
248234	100-7/8	3/4-in. or 7/8-in. binding	1	Plain



275441

DrillSteady Drill For Stainless Tubing

DrillSteady uses 9/64 inch drill bit for No. 8 screw or fastener. Unique design allows drilling on installed frames, corners, or anywhere.

Item #	Style #	Standard Package
275441	3587	1



216110



216133



216134

DOT® Snapmaster™ M840

The M840 hand press incorporates many features of bench and foot presses in a portable and cost-effective tool. Ideal for installing DOT® Durable™, Pull-The-Dot®, Lift-The-Dot® and curtain fasteners. Replacement parts available.

Item #	Style #	Description	For Use With	Standard Package
216115	4101	Cutting Punch	16205 DOT Lift-The-Dot Socket	1
216136	4405	Setting Die Cap	18100 DOT Pull-The-Dot Button	1
216134	4203	Setting Die	78403 Curtain Fastener Eyelet	1
216118	4401	Setting Die	16506 DOT Lift-The-Dot Clinch Plate	1
216125	4402	Setting Die	78505 Curtain Fastener Washer	1
216130	4403	Setting Die	10127/10128 DOT Durable Button	1
216132	4404	Setting Die	10412 DOT Durable Eyelet	1
216133	4103	Setting Punch	78403 Curtain Fastener Eyelet	1
216117	4301	Setting Punch	16205 DOT Lift-The-Dot Socket	1
216124	4302	Setting Punch	78403 Curtain Fastener Eyelet	1
216129	4303	Setting Punch	10224 DOT Durable Socket	1
216131	4304	Setting Punch	10370 DOT Durable Stud	1
216135	4305	Setting Punch	18201 DOT Pull-The-Dot Socket	1
216110		Snapmaster Hand Press M840		1

DOT®, Lift-The-Dot® and Pull-The-Dot® are registered trademarks of Scovill Fasteners, Inc. Durable™ and Snapmaster™ are trademarks of Scovill Fasteners, Inc.



216047

Hand Tools For DOT® Common Sense® Fasteners

Item #	Style #	Description	For	Standard Package
275444	4100	Eyelet Hole Cutting Tool		1
216050	89-450E	Hole Cutter	Use with cutting pad (#223449). For BS- 78403 (No. 400) eyelet.	1
223509	9578	Machine Die	Use with BS-78502 back plate	1
216047	QTTL	Quick Turn Lock Driver	Use with 1/4 in. cordless screw driver or drill motor to install Common Sense XX-78315, XX-78324, XX-78325, X8-78324, XB-78324 or XB-78325.	1

DOT® and Common Sense® are registered trademarks of Scovill, Inc.



275501

Hand Tools For DOT® Lift-The-Dot® Fasteners

Item #	Style #	Description	For	Standard Package
275529	89-9941		Use with washers (BS-16509)	1
275575	171	Hole Cutting Punch Tool for Prong Fasteners	Use with cutting pad (#223449). Hand punch for BS-78332, BS-78333 or BS-16349.	1
275501	9951E	Hole Cutting Punch Tool	Use with cutting pad (#223449). For XX-16205 socket with chisel point.	1
275505	169B	Screwdriver	Lift-the-Dot Screw Studs	1
275445	4000	Socket Hole Cutting Tool		1

DOT® and Lift-The-Dot® are registered trademarks of Scovill Fasteners, Inc.



275504



275564

Hand Tools For DOT® Durable™ Fasteners

Item #	Style #	Description	For	Standard Package
275564	164	Cap Hand Punch		1
275504	169N	Phillips Head Screwdriver	Use with X8-10301, X8-10302, XX-10362, X8-10393, XB-10393, X8-10704, X8-10934.	1

DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.



275612

Hand Tools for Fasnap® Fasteners

For setting Fasnap One-Way-Lift® socket/washers, turn fastener eyelets/washers and SnapFast® products. Contains a turn fastener driver.

Item #	Standard Package
275612	1

Fasnap®, One-Way-Lift®, and SnapFast® are registered trademarks of The Fasnap Corporation.



248133

Fabric Fastener Kit

This die setting kit is used for installing DOT® Durable™ fasteners. The fabric fastener kit comes with a hand punch and fastener die for swift install. Use for setting DOT® Durable™ 10128 buttons, 10224 sockets, 10370 studs, and 10412 posts (all sold separately). The fasteners are ideal for use on canvas, tarps, tents, awnings, sailcloth, patio furniture, and more.

Item #	Style #	Description	Standard Package
248133	USC1T	Nos. 9896 and 9897 setting tools (2 pieces each bag)	1

DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.



256071

Hand Press No. M-380E

Easily mounted to a wooden table or bench, this hand-operated press is designed to quickly and securely attach a wide assortment of metal and plastic fasteners. Interchangeable with all hand and foot machine dies, this hand press is a required tool for fabricators and features an adjustable lower die holder for greater flexibility and creativity.

Item #	Style #	Standard Package
256071	M-380E	1

M380E and M200 – DOT® Grommet Die Set

These DOT Durable™ dies are strong enough to punch through multiple layers of fabric for maximum hold. It's perfect for projects using marine canvas and upholstery fabric. Applications include boat covers, boat seats, gear bags, luggage, outdoor fabric, tents, and awnings. Complete your set of performance upholstery tools with heavy-duty DOT dies. These fastener die sets are used with the 89-M200 or 89-M380E press machines. Sturdy enough to last through continued use and appropriate for various types of fasteners. Available for both Durable Dot and Pull-The-Dot® fasteners.

Item #	Style #	For Use With	Standard Package
223570	0	Rolled rim, spur grommets	1
223468	0	Stainless steel rolled rim, spur self-piercing grommets	1
223562	0	Plain, tooth, neck grommets	1
223464	0	Brass self-piercing grommets	1
223561	00	Plain, tooth, neck grommets	1
223465	1	Brass self-piercing grommets	1
223469	1	Stainless steel rolled rim, spur self-piercing grommets	1
223563	1	Plain, tooth, neck grommets	1
223568	1J	Long-barrel with plain, tooth, neck grommets	1
223499	2	Rolled rim, spur grommets	1
223470	2	Stainless steel rolled rim, spur self-piercing grommets	1
223466	2	Brass self-piercing grommets	1
223505	2	Plain, tooth, neck grommets	1
223569	2J	Long-barrel with plain, tooth, neck grommets	1
223467	3	Brass self-piercing grommets	1
223571	3	Rolled rim, spur grommets	1
223513	3	Stainless steel rolled rim, spur self-piercing grommets	1
223564	3	Plain, tooth, neck grommets	1
223572	4	Rolled rim, spur grommets	1
223471	4	Stainless steel rolled rim, spur self-piercing grommets	1
223565	4	Plain, tooth, neck grommets	1
223573	5	Rolled rim, spur grommets	1
223566	5	Plain, tooth, neck grommets	1
223472	5	Stainless steel rolled rim, spur self-piercing grommets	1
223567	6	Plain, tooth, neck grommets	1

DOT®, Gripper®, Lift-The-Dot® and Pull-The-Dot® are registered trademarks of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.



223510



223512

M-380E and M200 – Dies For DOT® Durable™ Fasteners

Item #	Style #	For Use With	Standard Package
223512	1412	BS-10370 stud	1
223507	1407	BS-10412 eyelet	1
275583	1482	Die for Baby Durable 12105 cap	1
275587	1488	Die for Baby Durable 12404, 12405 or 12407 post	1
275507	9772	Setting Punch for Baby Durable	1
275588	9323	Socket Setting Punch for Baby Durable	1
223501	1401	X2-10128 or X2-10127 button	1
223510	1410	XB-10224 socket	1
275580	9557	XB-10342 stud	1

DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ and Baby Durable™ are trademarks of Scovill Fasteners, Inc.



223558



275577

M-380E and M200 – Dies for DOT® Pull-The-Dot® Fasteners

Item #	Style #	For Use With	Standard Package
223560	8059	XX-18201 socket	1
275526	89-8101	BS-18303 stud	1
223558	9758	XE-18100 button	1
275577	9760	BS-18303 stud	1

DOT® and Pull-The-Dot® are registered trademarks of Scovill Fasteners, Inc.



223560



248111



248113

Pliers – VISE-GRIP® Pliers for DOT® Durable™

Item #	Style #	Description	For Use With	Standard Package
248113	MT480B	Metal Anvil Die	BS-10412 Eyelet #MT480B	1
248111	MT479B	Metal Anvil Die	X2-10128 Button #MT479B	1
248114	MT489A	Metal Clincher Die	BS-10370 Stud #MT489A	1
248112	MT482A	Metal Clincher Die	XB-10224 Socket #MT482B	1

VISE-GRIP® is a registered trademark of Irwin Tools. DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.



248112



248114



275400



275411



275412



275413



275415



275398



275420



275425

Pres-N-Snap®

Item #	Description	For Use With	Standard Package
275411	Baby Durable Die Set		1
275398	Bench Mount		1
248167	Die	#XB-78317 Button	1
275401	Die	#10128 Button	1
275404	Die	#10224 Socket	1
275428	Die	#10342 Gypsy Stud	1
275402	Die	#10370 Stud	1
275397	Die	#10379 Stud	1
275403	Die	#10412 Eyelet	1
275412	Die	#BS-16509 Washer	1
275413	Die	#XB-16358 Stud	1
275399	Frame		1
275417	Handle		1
275427	Lever		1
275405	M-2700 Rubber Ring	DOT Durable Dies	1
275415	Plunger		1
275400	Pres-N-Snap Complete Toolkit		1
275409	Rubber O-Ring		1
248172	Rubber O-Ring	#12 Stud Black	1
275416	Spring		1

275400 - Includes dies for 10128, 10224, 10370, 10412 durable fasteners – plus die for No. 1 grommet with plain washer.

Pres-N-Snap® is a registered trademark of Hoover Products. DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.

Pres-N-Snap® – Grommet Dies

Item #	Description	For Use With	Standard Package
275422	Die Set	No. 0 Plain Grommets	1
275434	Die Set	No. 0 Self-Piercing Grommets	1
275421	Die Set	No. 00 Plain Grommets	1
275432	Die Set	No. 1 Grommets with Spur Washers	1
275419	Die Set	No. 1 Plain Grommets	1
275431	Die Set	No. 1 Self-Piercing Grommets	1
275420	Die Set	No. 2 Plain Grommets	1
275430	Die Set	No. 2 Self-Piercing Grommets	1
275425	Hole Punch	No. 1 Grommets	1
275426	Hole Punch	No. 2 Grommets	1

Pres-N-Snap® is a registered trademark of Hoover Products. DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.



275590



275595



275596

Quick-Fit™ Tool Kit

Quick-Fit holding tool snaps on to existing studs and provides a quick and easy way to hold material while fitting — no clamps necessary. Quick-Fit holds material in place on the holding pin, especially on a windy day. Quick-Fit release tool easily installs and removes the holding pin from the stud. Quick-Fit tools are great for fitting with material and also holding paper or plastic when making a pattern. Can be used over and over on job after job. Can be used on boat cockpit covers, side curtains, enclosures, console covers, carpet and pickup truck tonneau covers. Quick-Fit holding tools accurately mark the fabric cover where the snap sockets are to be placed.

Quick-Fit Tool Kit includes 25 Quick-Fit Caps, 50 Quick-Fit Sockets and 1 Quick-Fit Release Tool.

Item #	Description	Standard Package
275590	Tool Kit	1
275591	Caps	25
275595	Sockets with Points	25
275596	Release Tool	1

Quick-Fit™ is a trademark of Quick Fit Canvas Tools.



248185

Fasnap® PM5 Grommet Machine

The PM5 machine is an industry standard bench-mounted machine. It is made of tough ductile iron and has a deep throat with a longer padded handle. This machine uses standard 3/8 inch diameter shank dies that set self-piercing grommets up to size 300 (#4), and snap fasteners in one motion, swiftly and efficiently. Throat depth: 4-3/4 inch. Dies sold separately

Item #	Description	Standard Package
248185	Fasnap PM5 Grommet Machine	1

FASNAP® is a registered trademark of The FASNAP Corporation.



256430

Hole Punch

Excellent for punching screw holes in aluminum molding, without leaving burred edges.

Makes a 1/8 inch or 3/16 inch hole. Punch is constructed from high-quality tool steel used in commercial high-production punch press dies. Body is lightweight, die cast aluminum with rust-resistant, nickel-plated steel handles and parts. Features a non-slip cushion handle grip.

Item #	Style #	Size	Standard Package
256430	HP18K	1/8 in. to 3/16 in. holes	1



248501



248502



248506

Engel Hot Knife

Cuts and seals the edges of synthetic fabrics to prevent fraying. The knife can be used with a cutting foot to eliminate the need for a special cutting base or surface. Designed for intermittent operation, the knife heats up in six to eight seconds. Temperature is controlled by a convenient trigger switch. All items are sold separately.

Use in well ventilated areas.

Item #	Style #	Description	Standard Package
248501	C851	Engel HSG-O Electric Hot Knife Cutter	1
248502	C852	Engel Hot Knife Blade 100R	1
248506	C856N	Engel Hot Knife Cutting Foot	1



252248

Hand Notcher

Fast and easy cutting. Notcher makes a clean 30°, “V”-shaped cut in sheet metal. 13/16 inch maximum throat depth. Upper cutting jaw is drop forged, high-impact alloy steel. Hook design of cutting jaw facilitates notching to desired depth without slippage. Nickel plated and black oxide finish. Blue grips.

Item #	Style #	Finish	Length	Material	Standard Package	Weight
252248	N1	Nickel Plated; Black Oxide	8 in.	Steel	1	1 lb.



256094



256095



256098

Multi-Duty Hand Press No. W-1

This Osborne high quality hand machine cuts fabric and covers buttons. It uses 2 piece dies and short cutters. This hand machine has a reinforced frame and handle. It bolts to a table for added stability. The machine handles between 80-120 buttons per hour. It can also be used to set snaps, grommets and ventilators.

Item #	Style #	Description	Standard Package
256095	W-1H	Handle	1
256094	W-1	Osborne Multi-Duty Hand Press #W-1	1
256098	W-1 SPRING	Top Spring	1



256300

256324

Multi-Duty Hand Press No. W-1 – Dies

Dies for setting snaps, grommets, and ventilators for the Osborne Multi-Duty Hand Press #W-1 (Item# 256094).

Item #	Style #	Description	Size	Size Hole	Standard Package
216491	WDISGRC2-75837	Setting Die and Hole Cutter #2 for Spur Washer	2	3/8 in.	1
256299	WDIGRC00	Setting Die #00 For Plain Washer	00		1

Item #	Style #	Description	Size	Size Hole	Standard Package
256300	WDIGRC0	Setting Die #0 For Plain Washer	0		1
256301	WDIGRC1	Setting Die #1 For Plain Washer	1		1
256302	WDIGRC2	Setting Die #2 For Plain Washer	2		1
256303	WDIGRC3	Setting Die #3 For Plain Washer	3		1
256304	WDIGRC4	Setting Die #4 For Plain Washer	4		1
256320	WDISGRC0	Setting Die #0 for Spur Washer	0		1
256321	WDISGRC1	Setting Die #1 for Spur Washer	1		1
256322	WDISGRC2	Setting Die #2 for Spur Washer	2		1
256323	WDISGRC3	Setting Die #3 for Spur Washer	3		1
256324	WDISGRC4	Setting Die #4 for Spur Washer	4		1
256334	684	Ventilator 3/4 in.			1



255250

Pliers – Fabric Pulling Pliers No. 250

No. 250 plier is made with a hammer jaw. The hammer acts as a lever if a strong pull is required. This is an excellent tool for stretching canvas and leather as well as webbing. It is ideal for pulling fabric over frames.

Item #	Style #	Length	Standard Package
255250	250	8-1/2 in.	1



256440

Revolving Punch No. 155

Used to punch holes in soft fabrics and leather goods. Made for tube sizes 1, 2, 3, 4, 5 and 6. The frame is made of highly polished forged steel. The cutting tubes are hand turned from high carbon tool steel and threaded to allow easy replacement.

Item #	Style #	Length	Standard Package	Weight
256440	155	8-1/2 in.	1	1 lb.



256452

Revolving Punch No. 155 – Cutting Tube Kit

Item #	Style #	Standard Package
256452	155T	1



256442

Revolving Punch No. 155 – Cutting Tubes

Item #	Style #	Size	Standard Package
256441	155T-1	3/32 in.	1
256442	155T-2	7/64 in.	1
256443	155T-3	1/8 in.	1
256444	155T-4	5/32 in.	1
256445	155T-5	11/64 in.	1
256446	155T-6	3/16 in.	1



256448

Revolving Punch No. 155 – Punch Anvil

A copper replacement base for the No. 155 Revolving Punch. The soft copper composition of this base is gentle on dies to provide longer service life.

Item #	Style #	Standard Package
256448	155A	1



214301

Thread Nippers

This 4.5-inch thread snip is sharp enough to trim even the finest fiber. Hot forged and fully double-plated with chrome over nickel, it's an essential sewing tool. The ball-bearing construction features a quick action spring return and precision ground blades.

With an ergonomic design and built-in thumb rest, the scissors are efficient and easy to handle. This means you can focus more on your craft and less on fraying thread. The nippers can withstand repeated sharpening for a smooth cut every time. Use for clipping threads or other light cutting functions.

Item #	Full Length	Standard Package
214301	4-1/2 in.	10



266225

Shears – Wiss® Upholstery, Carpet And Fabric Shears

Hot drop-forged, polished blades. One blade is ground to a knife-edge.

To attain the extra sharp knife edge, the cutting edge of the top blade is ground to a greater angle than regular shears. For this reason they will require more frequent sharpening than conventional Wiss Inlaid® Trimmers. However, a simple resharpening procedure will restore the edge quickly and easily. Do not stone the inside of this blade or the opposing blade.

Item #	Style #	Full Length	Length of Cut	Standard Package
266225	1225	10-1/4 in.	4-3/4 in.	1
266226	1226	12-1/4 in.	6-1/8 in.	1

Wiss® and Inlaid® are registered trademarks of Apex Brands, Inc.



266022

Shears – Wiss® Upholstery, Drapery, Carpet And Fabric Shears – Heavy Duty

With thick, heavy-duty blades to cut through multiple layers and tough material. Hot drop-forged, polished standard edge blades.

To attain the extra sharp knife edge, the cutting edge of the top blade is ground to a greater angle than regular shears. For this reason they will require more frequent sharpening than conventional Wiss Inlaid® Trimmers. However, a simple resharpening procedure will restore the edge quickly and easily. Do not stone the inside of this blade or the opposing blade.

Item #	Style #	Full Length	Length of Cut	Standard Package
266019	20W	10-1/4 in.	4-3/4 in.	1
266022	22W	12-1/4 in.	6-1/8 in.	1

Wiss® and Inlaid® are registered trademarks of Apex Brands, Inc.



266227

Shears – Ergonomic Shears

Ergonomic Shears have an extended bottom ring that allows you to use all four fingers and wear a glove, if needed. By using your whole hand, you have more comfort, less strain on the wrist and added cutting leverage. This bent trimmer is made from high-carbon steel with a knife edge and blue soft-coated handle for extra comfort. A chrome-over-nickel plating inside and out provides double rust prevention.

Item #	Style #	Full Length	Standard Package
266227	210LRK	10 in.	1



266027

Shears – Wiss® Industrial Shears

Hot drop-forged, nickel-plated shears with standard edge blades.

To attain the extra sharp knife edge, the cutting edge of the top blade is ground to a greater angle than regular shears. For this reason they will require more frequent sharpening than conventional Wiss Inlaid® Trimmers. However, a simple resharpening procedure will restore the edge quickly and easily. Do not stone the inside of this blade or the opposing blade.

Item #	Style #	Full Length	Length of Cut	Standard Package
266027	27	7-1/2 in.	3-1/8 in.	1
266028	28	8-1/8 in.	3-3/4 in.	1

d® are registered trademarks of Apex Brands, Inc.



266020

Shears – Wiss® Industrial Shears – Heavy Duty

Hot drop-forged, polished standard edge blades, with black handles. Style 20 LH is the left-handed version.

To attain the extra sharp knife edge, the cutting edge of the top blade is ground to a greater angle than regular shears. For this reason they will require more frequent sharpening than conventional Wiss Inlaid® Trimmers. However, a simple resharpening procedure will restore the edge quickly and easily. Do not stone the inside of this blade or the opposing blade.

Item #	Style #	Full Length	Length of Cut	Standard Package
266020	20	10-1/4 in.	4-3/4 in.	1
266021	20LH	10-1/4 in.	4-3/4 in.	1

Wiss® and Inlaid® are registered trademarks of Apex Brands, Inc.



266016

Shears – Wiss® Shop Shears

Serrated bladed shears.

Item #	Style #	Full Length	Standard Package
266016	W912	10 in.	1

Wiss® is a registered trademark of Apex Brands, Inc.



266233

Shears – Kretzer®

Kretzer Scissors is the leading German scissors manufacturer. The quality and durability of these shears are only two of many aspects associated with German craftsmanship.

Item #	Style #	Description	Full Length	Standard Package
266232	73725	Shop Shears	10 in.	1
266233	K22	Trim Shears	12 in.	1
266234	K20	Trim Shears	10 in.	1
266235	KRE764425	Pinking Shears	10-1/2 in.	1
266236	72020	Trim Shears	8 in.	1
266237	KRE773225	Heavy Duty Shop Shears	10 in.	1

Kretzer® is a registered trademark of Johann Kretzer GmbH & Co.



268100

Staple Remover

Forged from 4140 alloy tempered steel.

Item #	Style #	Standard Package
268100	124	1



275599



Top-Snapper®

Built of marine-grade stainless steel with an easy to grip rubberized handle, makes snapping your canvas boat top into place easy and convenient. Just slide the ingenious, patented Top-Snapper over the snap, pull it into place, and snap it shut.

Item #	Style #	Standard Package
275599	008.1	1

Top-Snapper® is a registered trademark of Ironwood Pacific Inc.



248221



248219

Cutter – Tubing

Excellent portable tubing cutter for aluminum. Stainless steel cutting wheel sold separately.

Item #	Style #	Description	Standard Package
248219	TC312	Tube Cutter	1
248221	75046	Stainless Steel Cutting Wheel	1



216400

Cutter – Side Cutter

Typically used for plain and tooth grommet washers. For best results use Cutting Pad (Item no. 223449). Do not use with steel head hammers.

Item #	Style #	Size Hole	Standard Package
216400	00	3/16 in.	1
216401	0	1/4 in.	1
216402	1	9/32 in.	1
216403	2	3/8 in.	1
216404	3	7/16 in.	1
216405	4	1/2 in.	1
216406	5	5/8 in.	1
216407	6	3/4 in.	1
216409	8	1 in.	1



216504

Cutter – Special Cutter

Typically used for rolled rim spur grommet washers. For best results use Cutting Pad (Item no. 223449). Do not use with steel head hammers.

Item #	Style #	Size Hole	Standard Package
216499	00	3/16 in.	1
216501	0	1/4 in.	1
216502	1	5/16 in.	1
216503	2	3/8 in.	1
216504	3	7/16 in.	1
216505	4	1/2 in.	1
216506	5	5/8 in.	1
216507	6	3/4 in.	1
216508	7	7/8 in.	1
216509	8	1 in.	1

DOT® Die Set Hand Tools

Use this DOT die set to install various sized grommets with either plain, tooth or neck washers. Use the grommet dies with a rawhide mallet or dead blow hammer and a urethane cutting pad (sold separately, #223449) to avoid damage to the die.

For stainless steel grommets, die sets are applicable to self-piercing grommets only.

Item #	Style #	For Use With	Standard Package
223540	0	Rolled rim, spur grommets	1
223531	0	Plain, tooth, neck grommets	1
223549	0	Stainless steel rolled rim grommets	1
223530	00	Plain, tooth, neck grommets	1
223541	1	Rolled rim, spur grommets	1
223550	1	Stainless steel rolled rim grommets	1
223532	1/1J	Long-barrel with plain, tooth, neck grommets	1
223542	2	Rolled rim, spur grommets	1
223533	2/2J	Long-barrel with plain, tooth, neck grommets	1
223551	2	Stainless-steel self-piercing rolled rim grommets (must pre-punch holes)	1
223552	3	Stainless-steel self-piercing rolled rim grommets (must pre-punch holes)	1
223553	4	Stainless-steel self-piercing rolled rim grommets (must pre-punch holes)	1
223559	5	Stainless-steel self-piercing rolled rim grommets (must pre-punch holes)	1
223543	3	Rolled rim, spur grommets	1
223534	3	Plain, tooth, neck grommets	1
223544	4	Rolled rim, spur grommets	1
223535	4	Plain, tooth, neck grommets	1
223545	5	Rolled rim, spur grommets	1
223536	5	Plain, tooth, neck grommets	1
223546	6	Rolled rim, spur grommets	1
223537	6	Plain, tooth, neck grommets	1
223547	7	Rolled rim, spur grommets	1
223548	8	Rolled rim, spur grommets	1

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223410

Setting Die For Plain And Tooth Grommets And Washers

For inserting round grommets. Made of superior grade drop forged steel.

Setting Dies are guaranteed against defects in material and workmanship, but this guarantee is not intended to cover tools against wear, over-strain or steel hammering. To obtain maximum life of tools use Dead Blow Hammer, Rawhide Mallet, Cutting Pad and strike at 90 degree angle.

Item #	Style #	Description	Standard Package
223410	00	Osborne #216	1
223411	0	Osborne #216	1
223412	1	Osborne #216	1
223413	2	Osborne #216	1
223414	3	Osborne #216	1
223415	4	Osborne #216	1
223416	5	Osborne #216	1
223417	6	Osborne #216	1



223423

Setting Die For Rolled Rim Grommets And Spur Washers

For inserting round grommets. Made of superior grade drop forged steel.

Setting Dies are guaranteed against defects in material and workmanship, but this guarantee is not intended to cover tools against wear, over-strain or steel hammering. To obtain maximum life of tools use Dead Blow Hammer, Rawhide Mallet, Cutting Pad and strike at 90 degree angle.

Item #	Style #	Description	Standard Package
223420	0	Osborne #217	1
223421	1	Osborne #217	1
223422	2	Osborne #217	1
223423	3	Osborne #217	1
223424	4	Osborne #217	1
223425	5	Osborne #217	1
223426	6	Osborne #217	1
223427	7	Osborne #217	1
223428	8	Osborne #217	1



216490

Punch Kit – Self-Centering

This handy and versatile kit contains a threaded handle with self-centering pointed plunger. Designed to accommodate nine interchangeable threaded cutting tubes in diameter sizes of 1/4 inch, 5/16 inch, 3/8 inch, 7/16 inch, 1/2 inch, 5/8 inch, 3/4 inch, 7/8 inch and 1 inch. The punches in this set will cleanly cut fabric, leather, rubber, paper, plastic and other soft materials.

Item #	Style #	Standard Package
216490	K156	1



248102

Grommet Kit – Home

A complete and inexpensive kit for household use. Each kit consists of a grommet die, a cutting punch, 3 dozen grommets and washers, a small cutting board and complete instructions.

Item #	Style #	Grommet Size	Standard Package
248100	0	1/4 in.	1
248101	1	9/32 in.	1
248102	2	3/8 in.	1
248103	3	7/16 in.	1
248104	4	1/2 in.	1



237000



237002

Hammer – Dead Blow

Quick-change threaded faces are molded in one piece without metal plugs. Shot-filled heads reduce rebound and increase impact.

Item #	Style #	Description	Color	For Use With	Size	Standard Package	Weight
237000	DB175	Dead Blow Hammer			1-3/4 in.	1	2 lbs.
237002	175HF	Face Replacement	White	DB175 (#237000)	1-3/4 in.	1	
237003	250HF	Face Replacement	White	DB250 (#237001)	2-1/2 in.	1	



250801

Mallet/Maul – Rawhide

Item #	Style #	Description	Standard Package	Weight
250809	196-2	Mallet	1	
250804		Maul Handle	1	
250808	393-6RR	Maul Leather Refill	1	
250806	393-3RR	Maul Leather Refill	1	
250807	393-2RR	Maul Leather Refill	1	
250800	393-2	Maul	1	2 lbs.
250801	393-3	Maul	1	2-12/ lbs.
250802	393-4	Maul	1	4-1/2 lbs.
250803	393-6	Maul	1	6 lbs.



237015

Hammer – Rawhide With Split Head – No. 395

Ideal for use with arch punches, grommet dies or wherever a cushioned blow is desired. No trouble to replace faces. Just loosen the safety nut, remove worn face, insert replacement and tighten.

Item #	Style #	Diameter of Face	Size	Standard Package	Weight
237013	395-1	1-1/4 in.	1	1	
237014	395-2	1-1/2 in.	2	1	2 lbs.
237015	395-3	1-3/4 in.	3	1	3 lbs.



237021

Hammer – Rawhide Replacement Heads

Item #	Style #	Size	Standard Package
237020	395F-1	1	1
237021	395F-2	2	1
237022	395F-3	3	1



223449

Cutting Pad

Made of a special formula resilient vinyl plastic, these tough cutting pads are ideal for use with Osborne Punches. They are long wearing and can be used on both sides. Use on a solid base for best results.

Item #	Style #	Material	Size	Standard Package
223449	603	Urethane	10 in. x 10 in. x 3/8 in.	1



237016

Hammer – Magnetic Tack

Item #	Style #	Description	Standard Package
237016	33	Magnetic Tack Hammer	1



205304

Bendarc Quick-Switch Bender

The Bendarc bends a 6, 8, 10 or 12 inch radius on either 7/8, 1, or 1-1/4 inch OD aluminum or stainless steel marine tubing. Designed for wall or bench mounting. Bends are formed using a long handle for leverage and with the aid of body weight. The Bendarc gives strong bends with smooth, rounded corners. Constructed of boiler plate steel with bearing supported roller. Rollers are high-density polymer for mar resistant contact with fine tubing finishes.

Interchangeable forming blocks, clamp blocks and rollers are also available to convert from a 6 inch radius to 8 inch or 10 inch, and a 7/8 inch OD tube to 1 inch OD. Switch sizes easily and quickly with only an Allen wrench and a 1/2 inch socket. Once forming block replacement is installed, only a finger tight adjustment of a nut on the clamp block is required.

Items are drop ship only.

Item #	Description	For	Radius	Standard Package
205349	Bearing Support Roller	1 in. square tubing		1
205347	Bearing Support Roller	1-1/4 in. round tubing		1
205344	Clamp Block Assembly	1 in. round tubing		1
205345	Clamp Block Assembly	1 in. square tubing		1
205340	Form Block	1 in. round tubing	10 in.	1
205343	Form Block	1 in. round tubing	12 in.	1
205332	Form Block	1 in. round tubing	6 in.	1
205336	Form Block	1 in. round tubing	8 in.	1
205352	Pull Down Handle			1
205337	Steel Encased Form Block	1 in. square tubing	10 in.	1
205321	Tube Bender With Steel Encased Form Block	1 in. square tubing	10 in.	1
205319	Tube Bender With Steel Encased Form Block	1 in. square tubing	12 in.	1
205320	Tube Bender	1 in. tubing	10 in.	1
205313	Tube Bender	1-1/4 in. tubing	10 in.	1
205315	Tube Bender	1 in. tubing	12 in.	1
205304	Tube Bender	1 in. tubing	6 in.	1
205316	Tube Bender	1 in. tubing	8 in.	1



205362

Crownarc Crown Bender

Bends 7/8 inch, 1 inch or 1-1/4 inch outside diameter marine tubing using the same dies. The crown radius is adjustable from 30 inch minimum to infinity. The only Crowner with gear drive; Crownarc's crank turns both lower wheels and "takes a bigger bite" to get more crown per pass. The Z wheel drive system makes control much easier. The back plate is boiler plate steel and rollers are high-density polymer for mar resistant contact with fine marine tubing. The center roller is fully adjustable.

The Crownarc is supplied with rollers cut for 1 inch diameter marine tubing. This easily crowns 1 inch and 7/8 inch stainless or aluminum marine tubing. Bender can be mounted on the wall, on a table or on the side or rear of a truck.

Items are drop ship only.

Item #	Description	For	Radius	Standard Package
205329	Gear Mounted Roller	1 in. square tubing	1 in.	1
205327	Tube Bender	1 in. square tubing		1
205362	Tube Bender	1-1/4 in. round tubing		1
205325	Tube Bender	7/8 in. and 1 in. tubing		1



999075

Hand Roller

This silicone hand roller is used for smoothing fabric, welding tape, or adhesive. The hand tool features an easy-roll silicone head and ergonomic wooden handle.

Item #	Style #	Material	Standard Package	Width
999075	11-150	Silicone	1	1.75 in.