



DufferHollowDesigns
SUBMITTAL SPECIFICATIONS

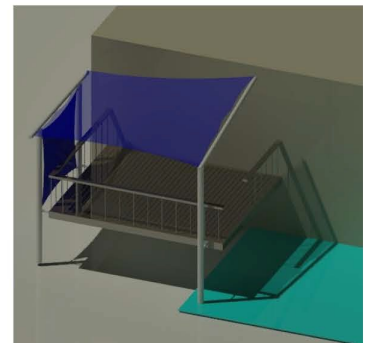
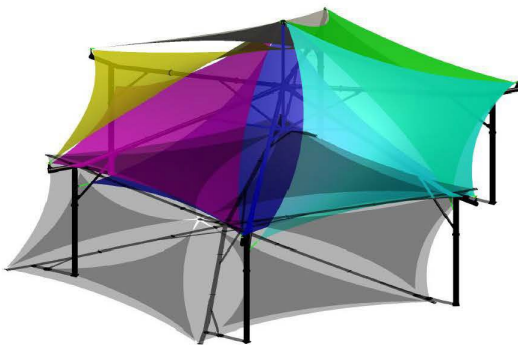
Submittal Specifications





- * Distinctive high quality structures for playgrounds, day care, aquatic facilities, decks & patios.
- * Up to 22 fabric colors, NFPA 701 & ASTM E84 compliant. All RAL powder coat colors available.
- * Easy installation with fabric tensioning system
- * No hassle 12 year fabric & steel warranty.
- * Galvanized and powder coated steel. 316 stainless steel & HDG hardware
- * 20 to 25 degree ambient temperature reduction with Duffer Hollow Designs shade fabric
- * Shields up to 96% UVA & UVB. Reduces dangerous heat gain on shaded equipment.
- * Code compliant designs for U.S. and Canadian locations.
- * Rachel knitted HDPE shade fabric tensioned off the steel structure.
- * No steel cables in catenary.
- * Sizes: Custom sizing available
- * Manufactured by Duffer Hollow Designs in Missouri with certified welders & commercial sewists.
- * Optional lighting & custom designs available
- * Cost effective shipment nationwide

Visit our website: www.dufferhollowdesigns.com



Duffer Hollow Designs ~ 7606 North 14th Street ~ Rich Hill, MO 64779
Phone: 660.464.4660 – www.dufferhollowdesigns.com

IN-STOCK RAL COATINGS

COLOR GUIDE



When you need to find the right color quickly, look to our lineup of in-stock powders. Our Powdura® RAL Series offers exceptional weatherability and super durable TGIC-free polyester powder coatings available in 75 colors in full satin sheens and high gloss. **Satin sheen and high gloss product numbers are listed respectively to the left of each color swatch.**

RAL 1001 Satin: RHS3-00004 High Gloss: RHS8-40004	RAL 2004 Satin: RES3-20003 High Gloss: RES8-00003	RAL 5002 Satin: RLS3-20001 High Gloss: RLS8-00019	RAL 5024 Satin: RLS3-60003 High Gloss: RLS8-00002	RAL 7011 Satin: RAS3-00018 High Gloss: RAS8-00011	RAL 7035 Satin: RAS3-00030 High Gloss: RAS8-70004	RAL 8011 Satin: RNS3-20002 High Gloss: RNS8-00014	RAL 9005 Satin: RBS3-60004 High Gloss: RBS8-00002
RAL 1003 Satin: RYS3-00001 High Gloss: RYS8-00008	RAL 2010 Satin: RES3-20004 High Gloss: RES8-40001	RAL 5003 Satin: RLS3-20003 High Gloss: RLS8-00013	RAL 6005 Satin: RGS3-80002 High Gloss: RGS8-00004	RAL 7012 Satin: RAS3-20002 High Gloss: RAS8-00010	RAL 7037 Satin: RAS3-00020 High Gloss: RAS8-80003	RAL 8014 Satin: RNS3-00002 High Gloss: RNS8-00006	RAL 9010 Satin: RWS3-60003 High Gloss: RWS8-00005
RAL 1013 Satin: RHS3-00001 High Gloss: RHS8-40001	RAL 3000 Satin: RRS3-20009 High Gloss: RRS8-40001	RAL 5005 Satin: RLS3-20007 High Gloss: RLS8-20003	RAL 6009 Satin: RGS3-00025 High Gloss: RGS8-00005	RAL 7015 Satin: RAS3-20003 High Gloss: RAS8-00013	RAL 7038 Satin: RAS3-00010 High Gloss: RAS8-80004	RAL 8016 Satin: RNS3-00012 High Gloss: RNS8-00012	RAL 9011 Satin: RBS3-60001 High Gloss: RBS8-00006
RAL 1015 Satin: RHS4-00001 High Gloss: RHS8-40002	RAL 3001 Satin: RRS3-00001 High Gloss: RRS8-00006	RAL 5010 Satin: RLS3-20008 High Gloss: RLS8-20005	RAL 6016 Satin: RGS3-00001 High Gloss: RGS8-00028	RAL 7016 Satin: RAS3-00005 High Gloss: RAS8-00014	RAL 7040 Satin: RAS3-00025 High Gloss: RAS8-80009	RAL 8017 Satin: RNS3-00011 High Gloss: RNS8-00011	RAL 9016 Satin: RWS3-60001 High Gloss: RWS8-00004
RAL 1018 Satin: RYS3-00003 High Gloss: RYS8-00014	RAL 3002 Satin: RRS3-00004 High Gloss: RRS8-20015	RAL 5011 Satin: RLS3-20010 High Gloss: RLS8-00014	RAL 6018 Satin: RGS3-00021 High Gloss: RGS8-00021	RAL 7021 Satin: RBS3-00002 High Gloss: RBS8-00009	RAL 7042 Satin: RAS3-00003 High Gloss: RAS8-80014	RAL 8019 Satin: RNS3-00004 High Gloss: RNS8-00004	RAL 9017 Satin: RBS3-60002 High Gloss: RBS8-00005
RAL 1019 Satin: RHS3-00005 High Gloss: RHS8-40003	RAL 3003 Satin: RRS3-00003 High Gloss: RRS8-00011	RAL 5012 Satin: RLS3-20009 High Gloss: RLS8-00007	RAL 6027 Satin: RGS3-00015 High Gloss: RGS8-00023	RAL 7022 Satin: RNS3-20001 High Gloss: RNS8-00008	RAL 7043 Satin: RAS3-00019 High Gloss: RAS8-80015	RAL 8025 Satin: RNS3-20011 High Gloss: RNS8-00001	
RAL 1023 Satin: RYS3-60010 High Gloss: RYS8-00018	RAL 3004 Satin: RRS3-00007 High Gloss: RRS8-00009	RAL 5013 Satin: RLS3-20011 High Gloss: RLS8-00018	RAL 6029 Satin: RGS3-60012 High Gloss: RGS8-00018	RAL 7023 Satin: RGS3-00011 High Gloss: RAS8-00015	RAL 7044 Satin: RAS3-00027 High Gloss: RAS8-80006	RAL 8028 Satin: RNS3-20012 High Gloss: RNS8-00003	
RAL 1028 Satin: RYS3-60013 High Gloss: RYS8-00019	RAL 3005 Satin: RRS3-60002 High Gloss: RRS8-00008	RAL 5015 Satin: RLS3-20013 High Gloss: RLS8-00004	RAL 7001 Satin: RAS3-00014 High Gloss: RAS8-00007	RAL 7024 Satin: RAS3-20004 High Gloss: RAS8-00012	RAL 7045 Satin: RAS3-00024 High Gloss: RAS8-80007	RAL 9001 Satin: RWS3-60004 High Gloss: RWS8-00003	
RAL 1037 Satin: RYS3-60006 High Gloss: RYS8-00016	RAL 3020 Satin: RRS3-20010 High Gloss: RRS8-20016	RAL 5017 Satin: RLS3-90001 High Gloss: RLS8-00009	RAL 7004 Satin: RAS3-20001 High Gloss: RAS8-70001	RAL 7030 Satin: RAS3-00007 High Gloss: RAS8-80011	RAL 7046 Satin: RAS3-00023 High Gloss: RAS8-80008	RAL 9002 Satin: RWS3-60002 High Gloss: RWS8-00002	
RAL 2003 Satin: RES3-00001 High Gloss: RES8-00005	RAL 4005 Satin: RRS3-20005 High Gloss: RRS8-00005	RAL 5019 Satin: RLS3-20015 High Gloss: RLS8-00011	RAL 7006 Satin: RHS3-00006 High Gloss: RHS8-70002	RAL 7032 Satin: RHS3-20002 High Gloss: RAS8-80010	RAL 7047 Satin: RAS3-40005 High Gloss: RAS8-80005	RAL 9003 Satin: RWS3-00002 High Gloss: RWS8-00006	

Disclaimer: Due to the printing process, colors shown approximate as closely as possible to the actual paint colors. Colors are provided by The Sherwin-Williams Company.

POLYTEX+ MEDIUM DUTY KNITTED SHADECLOTH

Polytex+ shadesails are ideal around swimming pools, beach entertainment and barbecue facilities, outdoor leisure and picnic areas. Other applications include playgrounds, preschools, secondary schools, camping grounds, hotels, motels and holiday resorts.

Shadesails made from **Polytex+** also offer a striking alternative to flat roof timber pergolas and can be designed to accentuate any location, whether it be a home, garden or commercial establishment.

Polytex+ provides maximum people protection against the sun's heat and strong Ultra Violet (UV) rays and utilizes the best UV stabilizers.

With heat-setting, the knitted fabric has better 'lay-flat'—less curling on the edges. Also, since the heating process takes out some of the shrinkage in the fabric, the stentured fabric will shrink less and have improved dimensional stability.

- ✓ High UVR Protection
- ✓ UV Stabilized
- ✓ Proven Performer
- ✓ Width eliminates excessive seams
- ✓ Fire Retardant
- ✓ Heat Set (NEW)
- ✓ New improved pigments*
- ✓ New 12 year warranty
- ✓ 5 New colors



*The new version of these colors have improved pigments that make them slightly more intense than the original color shades.

COLOR	COVER FACTOR	SHADE FACTOR	UVR BLOCK%	CALCULATED UVE%	PROTECTION CATEGORY	SRI*
1. Manor Red (NEW)	95	92.8	95.3	95	Most effective	Not tested
2. Monument (NEW)	96	95.7	96.3	95	Most effective	Not tested
3. Orange (NEW)	94	83.9	94.7	93	Very effective	61
4. Paperbark (NEW)	94	82.1	93.8	93	Very effective	Not tested
5. Woodland Gray (NEW)	94	91.2	94.1	93	Very effective	Not tested
6. Porcelain	92	73.6	91.2	90	Effective	87
7. Cappuccino	93	87.1	93.8	93	Very effective	36
8. Sandstone	95	87.7	95.3	94	Very effective	52
9. Café Noir	96	95.6	96.4	95	Most effective	Not tested
10. Bronze	94	87.2	94.6	93	Very effective	21
11. Midnight Green	94	91.4	94.0	93	Very effective	Not tested
12. Sage	95	91.7	95.5	94	Very effective	17
13. Silver	88	88.4	88.6	87	Effective	18
14. Black	96	96.6	97.0	96	Most effective	1
15. Slate Gray	95	94.2	95.2	94	Very effective	Not tested
16. Navy Blue	95	93.4	94.8	94	Very effective	Not tested
17. Aquamarine	95	90.6	94.7	94	Very effective	31
18. Red	94	88.2	94.9	95	Most effective	64
19. Lemon	93	72.2	93.7	92	Very effective	79
20. Lime	92	79.2	92.7	92	Very effective	56
21. Grape	90	79.1	90.2	91	Very effective	Not tested
22. White	96	76.2	95.3	95	Most effective	96

SRI - Solar Reflectance Index

Available sizes:

12.5 feet (width) x 33 yards (length)
center folded rolls

Average weight:

7 oz. per square yard

Ultraviolet Effectiveness (UVE) Classification System

UVE (%)	Protection category
80.0 to 90.9	Effective
91.0 to 94.9	Very effective
95.0+	Most effective

The information in this table represents the results sourced from third party testing authorities, and tolerances may vary by as much as 10%.

COMTEX+ HEAVY DUTY KNITTED SHADECLOTH

Comtex+ is ideal for medium to larger residential and commercial projects that require higher tensile loadings. Its 12.5 feet width helps eliminate seams.

Comtex+ offers excellent weight to strength ratios.

Comtex+ comes in an extensive range of 17 designer colors that will compliment any building exterior.

Comtex+ is made to the highest quality standards and is supported by a 12 year warranty (conditions apply).

Comtex+ provides maximum people protection against the sun's heat and strong Ultra Violet (UV) rays and utilizes the best UV stabilizers.

With heat-setting, the knitted fabric has better 'lay-flat'—less curling on the edges. Also, since the heating process takes out some of the shrinkage in the fabric, the stentered fabric will shrink less and have improved dimensional stability.

- ✓ High UVR Protection
- ✓ UV Stabilized
- ✓ Proven Performer
- ✓ Width eliminates excessive seams
- ✓ Fire Retardant
- ✓ Heat Set (NEW)
- ✓ New improved pigments*
- ✓ New 12 year warranty
- ✓ 3 New colors



*The new version of these colors have improved pigments that make them slightly more intense than the original color shades.

COLOR	COVER FACTOR	SHADE FACTOR	UVR BLOCK%	CALCULATED UVE%	PROTECTION CATEGORY	SRI
1. Paperbark (NEW)	93	83.4	92.6	92	Very effective	Not tested
2. Monument (NEW)	94	93.8	94.2	93	Very effective	Not tested
3. Smoke (NEW)	92	90.1	92.2	91	Very effective	Not tested
4. Black	95	95.4	95.6	94	Very effective	1
5. Silver	94	94.1	94.2	93	Very effective	18
6. Slate Gray	97	96.7	97.0	96	Most effective	Not tested
7. Navy Blue	97	95.8	97.1	96	Most effective	Not tested
8. Aquamarine	93	85.4	91.7	91	Very effective	31
9. Midnight Green	96	94.4	96.4	95	Most effective	Not tested
10. Sage	96	92.9	96.3	94	Very effective	17
11. Sandstone	96	88.0	96.2	95	Most effective	52
12. Cappuccino	95	89.5	95.6	93	Very effective	36
13. Porcelain	95	79.8	94.6	94	Very effective	87
14. White	96	77.4	96.2	96	Most effective	96
15. Rust	93	87.4	93.3	92	Very effective	33
16. Red	95	89.9	95.6	95	Most effective	64
17. Lemon	94	74.6	94.7	93	Very effective	79

Available sizes:

12.5 feet (width) x 33 yards (length)
center folded rolls

Average weight:

10 oz. per square yard

Ultraviolet Effectiveness (UVE) Classification System

UVE (%)	Protection category
80.0 to 90.9	Effective
91.0 to 94.9	Very effective
95.0+	Most effective

The information in this table represents the results sourced from third party testing authorities, and tolerances may vary by as much as 10%.

XTRA™ EXTRA HEAVY DUTY KNITTED SHADECLOTH

XTRA™ is the next generation in shade protection, setting new boundaries for functionality and performance.

Manufactured using premium quality raw materials, XTRA™ significantly exceeds any other shade cloth on the market for UV protection and strength to weight ratios.

This, combined with a comprehensive color range and a 15-year warranty for peace of mind, makes XTRA™ the ideal choice for medium to large sized structures, and high tensile commercial projects where safety and longevity are critical.

XTRA™ is the widest standard shade fabric in the industry - 4 meters wide - which means fewer seams, less labor cost and more structural integrity!

- ✓ Market leading sun protection
- ✓ Heat Set
- ✓ Width eliminates excessive seams
- ✓ Exceptional strength
- ✓ UV Stabilized
- ✓ 15 year warranty



COLOR	COVER FACTOR	SHADE FACTOR	UVR BLOCK%	CALCULATED UVE%	PROTECTION CATEGORY	SRI*
Navy Blue	99	98.8	99.4	98	Most effective	Not tested
Aquamarine	98	90.8	97.1	97	Most effective	31
Turquoise	98	91.5	97.5	97	Most effective	Not tested
Charcoal	99	99.5	99.7	99	Most effective	Not tested
Smoke	99	98.7	99.6	99	Most effective	Not tested
Monument	99	99.7	99.8	99	Most effective	Not tested
Black	99	99.7	99.8	99	Most effective	1
Midnight Green	99	98.4	99.5	99	Most effective	Not tested
Sage	99	97.5	99.5	99	Most effective	17
Manor Red	99	98.6	99.6	99	Most effective	Not tested
Bronze	98	92.1	98.5	99	Most effective	33
Cappuccino	99	96.7	99.7	99	Most effective	36
Sahara	98	92.7	98.7	98	Most effective	42
Porcelain	99	83.5	98.9	98	Most Effective	87

Available in:

4 meters/13.1 feet (width) x 50 meters/55 yards (length) straight rolls (not folded).
- Roll length requires truck shipping.

Average weight:

400gsm / 12 oz. per square yard

Ultraviolet Effectiveness (UVE) Classification System

UVE (%)	Protection category
80.0 to 90.9	Effective
91.0 to 94.9	Very effective
95.0+	Most effective

The information in this table represents the results sourced from third party testing authorities, and tolerances may vary by as much as 10%.
*SRI - Solar Reflectance Index



Warranty

DHD, LLC provides a limited warranty on all the products it supplies. This warranty is the buyer's warranty, and no other warranty is implied. This warranty is in effect from the date of payment in full and is void if the structure is not assembled and installed and maintained in accordance with DHD installation and warranty instructions.

- The purchaser must notify DHD in writing of any warranty claim.
- DHD may repair or replace any item covered by this warranty, at the sole discretion of DHD.
- This warranty is void if any modification is made to the steel structure components or fabric without written authorization from DHD. Unauthorized modification may result in structural steel or fabric damage.
- This warranty is void if damage to the steel components or fabric is the result of vandalism, misuse, acts of nature, including but not limited to snow, ice, or wind in excess of the applicable building code or the result of the owner's failure to perform regular maintenance.
- DHD denies any implied warranties of fitness for a particular purpose and DHD will not in any event be liable for indirect, consequential, or liquidated damages

Steel Fabrication

All upright steel components fabricated by DHD are warranted to perform structurally for a period of 20 years. Painted surfaces are warranted for 1 year. If you accidentally damage the paint finish, please contact us for touch up paint.

DHD Knitted Fabric

DHD fabrics carry a limited 12-year performance warranty, effective from the date of payment in full.

- The fabric is warranted against structural UV degradation, deterioration from normal outdoor heat or cold. Significant color fade is not covered
- This warranty is void if fabric is exposed to chemicals or vandalism, misuse, acts of nature, including but not limited to snow, ice or wind in excess of the applicable building code or the result of the owner's failure to perform regular inspections and maintenance.
 - The knitted shade fabric should be inspected at least a quarterly basis for tightness and to check for any signs of wear or tear damage.
 - If the shade fabric is exposed to severe wind, snow, or ice loads there may be a need for the fabric to be re-tensioned after the event ceases, so that the fabric maintains the required tension to perform as designed and avoid any possibility of mechanical damage taking place as a result of excessive movement of loose fabric. Re-tensioning is easily accomplished by using a socket wrench at the central hub, end of arm tensioner or by adjusting the turnbuckle(s).
 - If your shade fabric is damaged by any mechanical means, such as bird strike, wind blown debris, projectile impact such as stones thrown from mowers, vandalism, or chemical exposure, it should be repaired as soon as possible by removing the fabric, ship to DHD and we will repair and ship back.
- If the fabric we provide fails to perform under normal use that is within the intended design, DHD will provide repair or replace fabric as follows:

1 to 6 years after payment in full: DHD will pay 100% of replacement fabric cost

7 to 12 years after payment in full: DHD will pay 50% of replacement fabric cost

DHD structures are designed and fabricated in accordance with applicable codes and standards. Wind loads are derived using ASCE 7-10 with coefficients derived from testing the actual material. Steel is designed per current AISC specifications.

Our structures are appropriately engineered to carry all required loads and manufactured in accordance with accepted standards and practice.

During a high wind occurrence, there are typically significant, extremely high wind bursts and wind-blown debris. It is not possible to anticipate nor practical to design for these conditions.

We warrant that the design is in accordance with the applicable code and that we manufacture the structures in accordance with accepted standards and practice. We are not able to guarantee that the structure will not be damaged during a high wind event, and we strongly recommend that the simple fabric removal process be followed when high winds are anticipated.

This warranty goes into effect when we are paid in full AND when we receive photos of the completed installation.

If you have warranty questions, please address them to: office@dufferhollowdesigns.com






SOLAMESH®

HARDWARE: MEASUREMENTS










TURNBUCKLES

			SIZE OPENING		LENGTH		SIZE		CLOSED	OPEN
			MM	INCHES	MM	INCHES	MM	INCHES	INCHES	INCHES
	207020	SOLAMESH TURNBUCKLE JAW/JAW STAINLESS STEEL TYPE 316 8MM (5/16")	11MM	0.43"	196MM	7.72"	8MM	0.31"	7.72"	11.50"
	207021	SOLAMESH TURNBUCKLE JAW/JAW STAINLESS STEEL TYPE 316 10MM (3/8")	12MM	0.47"	238MM	9.37"	10MM	0.38"	9.94"	14.94"
	207022	SOLAMESH TURNBUCKLE JAW/JAW STAINLESS STEEL TYPE 316 12MM (7/16")	14MM	0.55"	324MM	12.76"	12MM	0.44"	12.94"	19.19"
	207067	SOLAMESH TURNBUCKLE EYE/EYE STAINLESS STEEL TYPE 316 8MM (5/16")	14MM	0.55"	195MM	7.68"	8MM	0.31"	7.50"	10.94"
	207068	SOLAMESH TURNBUCKLE EYE/EYE STAINLESS STEEL TYPE 316 10MM (3/8")	16MM	0.63"	240MM	9.45"	10MM	0.38"	9.06"	13.31"
	207069	SOLAMESH TURNBUCKLE EYE/EYE STAINLESS STEEL TYPE 316 12MM (7/16")	18MM	0.71"	310MM	12.20"	12MM	0.44"	11.88"	17.81"
	207023	SOLAMESH TURNBUCKLE HOOK/HOOK STAINLESS STEEL TYPE 316 8MM (5/16")	10MM	0.38"	200MM	7.87"	8MM	0.31"	7.75"	11.19"
	207024	SOLAMESH TURNBUCKLE HOOK/HOOK STAINLESS STEEL TYPE 316 10MM (3/8")	12MM	0.44"	240MM	9.45"	10MM	0.38"	9.50"	13.94"




ROPE CLAMP

			THREAD		LENGTH		WIDTH	
			MM	INCHES	MM	INCHES	MM	INCHES
	207053	SOLAMESH ROPE CLAMP STAINLESS STEEL TYPE 316 6MM (1/4")	6MM	0.25"	33MM	1.30"	26MM	1.02"
	207054	SOLAMESH ROPE CLAMP STAINLESS STEEL TYPE 316 8MM (5/16")	8MM	0.31"	35MM	1.38"	32MM	1.26"
	207055	SOLAMESH ROPE CLAMP STAINLESS STEEL TYPE 316 10MM (3/8")	10MM	0.38"	40MM	1.57"	37MM	1.46"




SHACKLES

			LENGTH		SIZE		SIZE OPENING	
			MM	INCHES	MM	INCHES	MM	INCHES
	207037	SOLAMESH BOW SHACKLE STAINLESS STEEL TYPE 316 8MM (5/16")	32MM	1.26"	8MM	0.31"	16MM	0.63"
	207038	SOLAMESH BOW SHACKLE STAINLESS STEEL TYPE 316 10MM (3/8")	40MM	1.57"	10MM	0.38"	20MM	0.79"
	207039	SOLAMESH BOW SHACKLE STAINLESS STEEL TYPE 316 12MM (7/16")	48MM	1.89"	12MM	0.44"	24MM	0.94"
	207040	SOLAMESH DEE SHACKLE STAINLESS STEEL TYPE 316 8MM (5/16")	32MM	1.26"	8MM	0.31"	16MM	0.63"
	207041	SOLAMESH DEE SHACKLE STAINLESS STEEL TYPE 316 10MM (3/8")	40MM	1.57"	10MM	0.38"	20MM	0.79"
	207042	SOLAMESH LONG DEE SHACKLE STAINLESS STEEL TYPE 316 8MM (5/16")	64MM	2.52"	8MM	0.31"	16MM	0.63"
	207043	SOLAMESH LONG DEE SHACKLE STAINLESS STEEL TYPE 316 10MM (3/8")	80MM	3.15"	10MM	0.38"	20MM	0.79"
	207044	SOLAMESH TWISTED DEE SHACKLE STAINLESS STEEL TYPE 316 8MM (5/16")	48MM	1.89"	8MM	0.31"	16MM	0.63"
	207045	SOLAMESH TWISTED DEE SHACKLE STAINLESS STEEL TYPE 316 10MM (3/8")	60MM	2.36"	10MM	0.38"	20MM	0.79"



WIRE ROPE

			SIZE		PUT UP	MINIMUM BREAKING LOAD	
			MM	INCHES	FEET	KG	LBS
	207059	SOLAMESH SHADE SAIL WIRE ROPE STAINLESS STEEL TYPE 316 6MM (1/4") 492' REEL	6MM	0.25"	492 FT	1,917 KG	4,217 LBS
	207060	SOLAMESH SHADE SAIL WIRE ROPE STAINLESS STEEL TYPE 316 8MM (5/16") 328' REEL	8MM	0.31"	328 FT	3,408 KG	7,497 LBS
	207061	SOLAMESH SHADE SAIL WIRE ROPE STAINLESS STEEL TYPE 316 10MM (3/8") 328' REEL	10MM	0.38"	328 FT	5,326 KG	11,717 LBS



THIMBLE

			GROVE		LENGTH		INSIDE WIDTH	
			MM	INCHES	MM	INCHES	MM	INCHES
	207056	SOLAMESH THIMBLE STAINLESS STEEL TYPE 316 6MM (1/4")	6MM	0.25"	26MM	1.02"	15MM	0.59"
	207057	SOLAMESH THIMBLE STAINLESS STEEL TYPE 316 8MM (5/16")	8MM	0.31"	33MM	1.30"	18MM	0.71"
	207058	SOLAMESH THIMBLE STAINLESS STEEL TYPE 316 10MM (3/8")	10MM	0.38"	48MM	1.89"	23MM	0.91"







DEE RING

			HEIGHT		LENGTH		WIRE DIAMETER x WEBBING	
			MM	INCHES	MM	INCHES	MM	INCHES
	207033	SOLAMESH DEE RING STAINLESS STEEL TYPE 316 6MM X 50MM (1/4" X 2")	47MM	1.85"	50MM	1.97"	6MM x 50MM	0.25" X 2"
	207034	SOLAMESH DEE RING STAINLESS STEEL TYPE 316 8MM X 50MM (5/16" X 2")	47MM	1.85"	50MM	1.97"	8MM x 50MM	0.31" X 2"





TRIANGLES


			HEIGHT		LENGTH		WIRE DIAMETER x WEBBING	
			MM	INCHES	MM	INCHES	MM	INCHES
	207035	SOLAMESH TRIANGLE STAINLESS STEEL TYPE 316 6MM X 50MM (1/4" X 2")	50MM	1.97"	50MM	1.97"	6MM x 50MM	0.25" X 2"
	207036	SOLAMESH TRIANGLE STAINLESS STEEL TYPE 316 8MM X 50MM (5/16" X 2")	50MM	1.97"	50MM	1.97"	8MM x 50MM	0.31" X 2"

EYE BOLT

			LENGTH		SIZE		INSIDE HOLE DIAMETER		OUTSIDE HOLE DIAMETER
			MM	INCHES	MM	INCHES	MM	INCHES	INCHES
	207051	SOLAMESH EYE BOLT, NUT, WASHER STAINLESS STEEL TYPE 316 8MM X 150MM (5/16" X 6")	150MM	5.91"	8MM X 150MM	0.31" X 6"	20MM	0.79"	1.25"
	207052	SOLAMESH EYE BOLT, NUT, WASHER STAINLESS STEEL TYPE 316 10MM X 150MM (3/8" X 6")	150MM	5.91"	10MM X 150MM	0.38" X 6"	23MM	0.91"	1.50"
	207050	SOLAMESH EYE BOLT, NUT, WASHER STAINLESS STEEL TYPE 316 8MM X 100MM (5/16" X 4")	100MM	3.94"	8MM X 100MM	0.31" X 4"	20MM	0.79"	1.25"
	207062	SOLAMESH EYE BOLT STAINLESS STEEL TYPE 316 8MM X 80MM (5/16" X 3-1/8")	80MM	3.15"	8MM X 80MM	0.31" X 3.125"	20MM	0.79"	1.31"
	207063	SOLAMESH EYE BOLT STAINLESS STEEL TYPE 316 10MM X 80MM (3/8" X 3-1/8")	80MM	3.15"	10MM X 80MM	0.38" X 3.125"	23MM	0.91"	1.56"
	207064	SOLAMESH EYE BOLT STAINLESS STEEL TYPE 316 12MM X 100MM (7/16" X 4")	100MM	3.94"	12MM X 100MM	0.44" X 4"	25MM	0.98"	1.88"

MOUNTING PLATES

			PLATE THICKNESS	HOLE OPENING	TOTAL HEIGHT	INSIDE DIAMETER	LENGTH		WIDTH	
			INCHES	INCHES	INCHES	INCHES	MM	INCHES	MM	INCHES
	207049	SOLAMESH DIAGONAL EYE WALL PLATE STAINLESS STEEL TYPE 316 150MM	0.125"	0.50"			150MM	5.91"	150MM	5.91"
	207048	SOLAMESH DIAGONAL EYE WALL PLATE STAINLESS STEEL TYPE 316 100MM	0.125"	0.50"			100MM	3.94"	100MM	3.94"
	207046	SOLAMESH DIAMOND PAD EYE STAINLESS STEEL TYPE 316 90MM X 55MM (3-1/2" X 2-9/16")	0.19"	0.25"	1.125"	0.88"	90MM	3.54"	55MM	2.17"
	207047	SOLAMESH DIAMOND PAD EYE STAINLESS STEEL TYPE 316 100MM X 62MM (4" X 2-1/2")	0.19"	0.25"	1.50"	1.00"	100MM	3.94"	62MM	2.44"

			LENGTH		HEIGHT		MOUNTING GAP		HOLE DIAMETER		THICKNESS	
			MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES
	207072	SOLAMESH EXTERNAL CORNER BRACKET STAINLESS STEEL TYPE 316 150MM	76MM	3.00"	150MM	6.00"	32MM	1.25"	13MM	0.50"	5MM	0.19"

SPRING HOOK



			SIZE OPENING		LENGTH		WIRE DIAMETER		SMALL INSIDE DIAMETER
			MM	INCHES	MM	INCHES	MM	INCHES	INCHES
207025	SOLAMESH SPRING HOOK STAINLESS STEEL TYPE 316 8MM (5/16")		9MM	0.35"	80MM	3.15"	8MM	0.31"	0.47"
207026	SOLAMESH SPRING HOOK STAINLESS STEEL TYPE 316 10MM (3/8")		12MM	0.47"	100MM	3.94"	10MM	0.38"	0.59"

DEE RING THIMBLE



			HEIGHT		WIDTH		INSIDE THIMBLE DIAMETER	OUTSIDE DIAMETER		GROVE DIAMETER
			MM	INCHES	MM	INCHES	INCHES	MM	INCHES	INCHES
207032	SOLAMESH DEE RING THIMBLE STAINLESS STEEL TYPE 316 10MM X 65MM (3/8" X 2-9/16")		76MM	2.99"	87MM	3.43"	1.88"	65MM	2.56"	0.38"
207031	SOLAMESH DEE RING THIMBLE STAINLESS STEEL TYPE 316 8MM X 50MM (5/16" X 2")		62MM	2.44"	69MM	2.72"	1.38"	50MM	2"	0.31"
207030	SOLAMESH DEE RING THIMBLE STAINLESS STEEL TYPE 316 6MM X 50MM (1/4" X 2")		57MM	2.24"	64MM	2.52"	1.31"	50MM	2"	0.25"

CABLE DEE RING



			HEIGHT		LENGTH OF FLAT OUTSIDE	WIDTH		GROVE HEIGHT	GROVE DIAMETER	SIZE	
			MM	INCHES	INCHES	MM	INCHES	INCHES	INCHES	MM	INCHES
207027	SOLAMESH CABLE DEE RING STAINLESS STEEL TYPE 316 6MM X 50MM (1/4" X 2")		58MM	2.28"	2.75"	52MM	2.05"	0.125"	0.31"	6MM X 50MM	0.25" X 2"
207028	SOLAMESH CABLE DEE RING STAINLESS STEEL TYPE 316 8MM X 50MM (5/16" X 2")		64MM	2.52"	3"	54MM	2.13"	0.19"	0.38"	8MM X 50MM	0.31" X 2"
207029	SOLAMESH CABLE DEE RING STAINLESS STEEL TYPE 316 10MM X 55MM (3/8" X 2-3/16")		70MM	2.76"	3.25"	56MM	2.20"	0.25"	0.44"	10MM X 55MM	0.38" X 2.19"

SLIDE-ON-WIRE



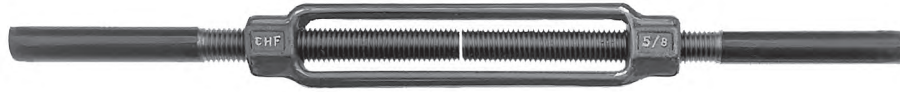
			LENGTH		HEIGHT		MOUNTING GAP		HOLE DIAMETER	
			MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES
207070	SOLAMESH PAD-EYE STAINLESS STEEL TYPE 316 2.00" X .75"		51MM	2.00"	19MM	0.75"	13MM	0.50"	5MM	0.19"



			SIZE OPENING		LENGTH		SIZE	HOLE DIAMETER
			MM	INCHES	MM	INCHES	INCHES	INCHES
207066	SOLAMESH SNAP HOOK STAINLESS STEEL TYPE 316 2" X 3/5"		16MM	0.63"	53MM	2.09"	2" X 0.63"	0.38"



DROP FORGED TURNBUCKLES



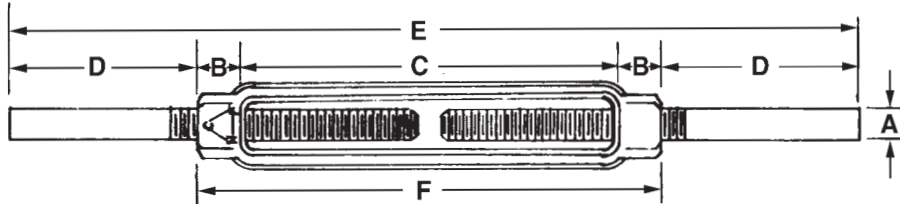
(Class C)



(Class B)



(Class B)



Turnbuckles Meet Performance Requirements of ASTM Specification F1145-92 Type 1 Grade 1 (Supercedes FF-T-791B)

Diameter & Take-up Dimensions A x C	Body Only						Body and Stubs					Working Load Limit in Lbs.
	Drilled & Tapped		Overall Length (F)	Weight per 100 D&T	Blanks		SC Part No.	Dimensions - Inches			Weight per 100	
	SC Part No.	Galv. Part No.			SC Part No.	Galv. Part No.		B	D	E		
1/4" x 4"	03805 8	03955 0	4-13/16"	14	00105 2	00255 4	04105 8	13/32"	2-5/8"	10"	25	500
5/16" x 4-1/2"	03810 2	03960 4	5-9/16"	21.5	00110 6	00260 8	04110 2	1-7/32"	2-25/32"	11"	42.5	800
3/8" x 6"	03815 7	03965 9	7-1/8"	37.5	00115 1	00265 3	04115 7	9/16"	4-7/16"	16"	85	1200
1/2" x 2"	03820 1	03970 3	3-1/2"	34	00120 5	00270 7	04120 1	3/4"	3-1/4"	10-1/4"	84	2200
1/2" x 6"	03823 2	03973 4	7-1/2"	66	00123 6	00273 8	04123 2	3/4"	4-1/4"	16"	142.5	2200
1/2" x 9"	03826 3	03976 5	10-1/2"	84.5	00126 7	00276 9	04126 3	3/4"	4-1/4"	19"	170	2200
1/2" x 12"	03829 4	03979 6	13-1/2"	102	00129 8	00279 0	04129 4	3/4"	4-1/4"	22"	200	2200
5/8" x 6"	03834 8	03984 0	7-7/8"	90.5	00134 2	00284 4	04134 8	15/16"	4-1/16"	16"	212.5	3500
5/8" x 9"	03837 9	03987 1	10-7/8"	131	00137 3	00287 5	04137 9	15/16"	4-1/16"	19"	285	3500
5/8" x 12"	03840 9	03990 1	13-7/8"	172.5	00140 3	00290 5	04140 9	15/16"	4-1/16"	22"	317.5	3500
5/8" x 18"	03843 0	03993 2	20-1/4"	345	00143 4	00293 6	04143 0	15/16"	4-1/16"	28"	577.5	3500
3/4" x 6"	03848 5	03998 7	8-1/4"	129	00148 9	00298 1	04148 5	1-1/8"	4-3/8"	17"	320	5200
3/4" x 9"	03851 5	04001 3	11-1/4"	191	00151 9	00301 8	04151 5	1-1/8"	4-3/8"	20"	412.5	5200
3/4" x 12"	03854 6	04004 4	14-1/4"	243	00154 0	00304 9	04154 6	1-1/8"	4-3/8"	23"	497.5	5200
3/4" x 18"	03857 7	04007 5	20-1/4"	336.5	00157 1	00307 0	04157 7	1-1/8"	4-3/8"	29"	677.5	5200
7/8" x 6"	03862 1	04012 9	8-5/8"	196	00162 5	00312 4	04162 1	1-5/16"	4-11/16"	18"	467.5	7200
7/8" x 12"	03865 2	04015 0	14-5/8"	309.5	00165 6	00315 5	04165 2	1-5/16"	4-11/16"	24"	661	7200
7/8" x 18"	03868 3	04018 1	20-5/8"	583.5	00168 7	00318 6	04168 3	1-5/16"	4-11/16"	30"	1039	7200
1" x 6"	03873 7	04023 5	9"	279	00173 1	00323 0	04173 7	1-1/2"	5"	19"	610	9800
1" x 12"	03876 8	04026 6	15"	383	00176 2	00326 1	04176 8	1-1/2"	5"	25"	920	9800
1" x 18"	03879 9	04029 7	21"	566	00179 3	00329 2	04179 9	1-1/2"	5"	31"	1176.5	9800
1-1/8" x 6"	03884 3	04034 1	9"	228	00184 7	00334 6	04184 3	1-11/16"	4-5/8"	19"	693	11500
1-1/8" x 12"	03887 4	04037 2	15"	467.5	00187 8	00337 7	04187 4	1-11/16"	4-5/8"	25"	1017.5	11500
1-1/4" x 6"	03892 8	04042 6	9-3/4"	449	00192 2	00342 1	04192 8	1-7/8"	5-1/8"	20"	1093	14800
1-3/8" x 6"	03897 3	04047 1	9-3/4"	430	00197 7	00347 6	04197 3	2-3/16"	5-1/2"	20-1/2"	1195	17500
1-1/2" x 6"	03902 4	04052 5	10-3/8"	684	00202 8	00352 0	04202 4	2-3/16"	5-1/2"	20-1/2"	1580	21000

Maximum load ratings are based on a straight vertical lift in a gradually increasing manner. Any deviations as angular lifts, shock loads, modification of the basic part, etc., will result in drastically reduced maximum loads.



DROP FORGED TURNBUCKLES



Turnbuckles Meet Performance Requirements of ASTM Specification F1145-92 Type 1 Grade 1
(Supersedes FF-T-791B)

Available with hot galvanized or self-colored finish.

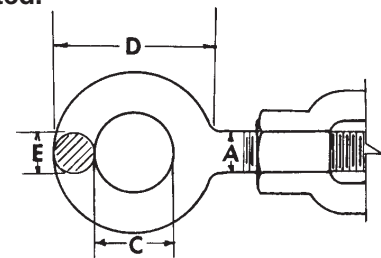
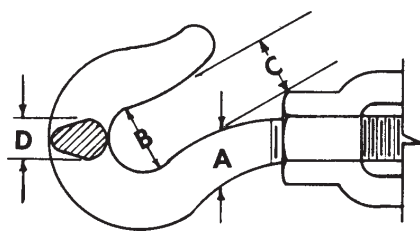


Diameter & Take-up	Eye and Eye			Hook and Hook			Weight per 100 in Lbs.
	Part No.		Closed Length	Part No.		Closed Length	
	SC	Galv.		SC	Galv.		
1/4" x 4"	01105 1	01255 3	8"	02005 3	02155 5	8-1/2"	35
5/16" x 4-1/2"	01110 5	01260 7	9"	02010 7	02160 9	9-1/2"	47.5
3/8" x 6"	01115 0	01265 2	11-1/2"	02015 2	02165 4	12"	90.6
1/2" x 2"	01120 4	01270 6	8-1/2"	02020 6	02170 8	10"	111
1/2" x 6"	01123 5	01273 7	13"	02023 7	02173 9	14-1/4"	170
1/2" x 9"	01126 6	01276 8	16"	02026 8	02176 0	17-1/4"	202
1/2" x 12"	01129 7	01279 9	19"	02029 9	02179 1	20-1/4"	232.5
5/8" x 6"	01134 1	01284 3	13-1/2"	02034 3	02184 5	14-3/4"	260
5/8" x 9"	01137 2	01287 4	17"	02037 4	02187 6	17-3/4"	320
5/8" x 12"	01140 2	01290 4	20-1/2"	02040 4	02190 6	20-3/4"	392.5
5/8" x 18"	01143 3	01293 5	26-1/2"	02043 5	02193 7	26-3/4"	557
3/4" x 6"	01148 8	01298 0	14-3/4"	02048 0	02198 2	16-3/4"	397.5
3/4" x 9"	01151 8	01301 7	18"	02051 0	02201 9	19-3/4"	512.5
3/4" x 12"	01154 9	01304 8	21-3/4"	02054 1	02204 0	22-3/4"	581
3/4" x 18"	01157 0	01307 9	27-3/4"	02057 2	02207 1	28-3/4"	666
7/8" x 6"	01162 4	01312 3	18"	02062 6	02212 5	19"	650
7/8" x 12"	01165 5	01315 4	22-1/2"	02065 7	02215 6	23-3/4"	787.5
7/8" x 18"	01168 6	01318 5	28-1/2"	02068 8	02218 7	29-3/4"	1212
1" x 6"	01173 0	01323 9	17"	02073 2	02223 1	20"	805
1" x 12"	01176 1	01326 0	25"	02076 3	02226 2	25-1/2"	1077.5
1" x 18"	01179 2	01329 1	31"	02079 4	02229 3	31-1/2"	1386



To ascertain extended length add amount of take-up to length in closed position.

Eye, Jaw and Hook fittings are heat treated.



Hook

Dimensions – Inches				Working Load Limit in Lbs.†
A	B	C	D	
1/4"	5/16"	9/32"	7/32"	400
5/16"	1/2"	1/2"	5/16"	700
3/8"	1/2"	1/2"	3/8"	1,000
1/2"	7/8"	13/16"	17/32"	1,500
5/8"	29/32"	27/32"	5/8"	2,250
3/4"	1-1/8"	29/32"	11/16"	3,000
7/8"	1-3/16"	1-1/16"	13/16"	3,200
1"	1-3/8"	1-1/4"	7/8"	5,000

EYE

Dimensions – Inches				Working Load Limit in Lbs.†
A	C	D	E	
1/4"	1/2"	1"	7/32"	500
5/16"	5/8"	1-1/4"	9/32"	800
3/8"	3/4"	1-1/2"	11/32"	1,200
1/2"	1"	2"	7/16"	2,200
5/8"	1-1/4"	2-5/16"	17/32"	3,500
3/4"	1-1/2"	2-3/4"	5/8"	5,200
7/8"	1-3/4"	3-1/2"	7/8"	7,200
1"	2"	3-3/4"	7/8"	10,000

† Loads are based on a safety factor of 5 to 1. Maximum load ratings are based on a straight vertical lift in a gradually increasing manner. Any deviations as angular lifts, shock loads, modification of the basic part, etc., will result in drastically reduced maximum loads.

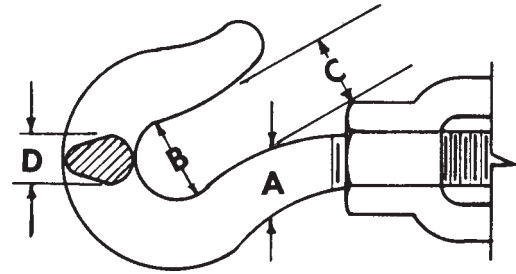


DROP FORGED TURNBUCKLES

Turnbuckles Meet Performance Requirements of ASTM Specification F1145-92 Type 1 Grade 1 (Supercedes FF-T-791B)



(Class F)



HOOK DIMENSIONS - STRENGTH

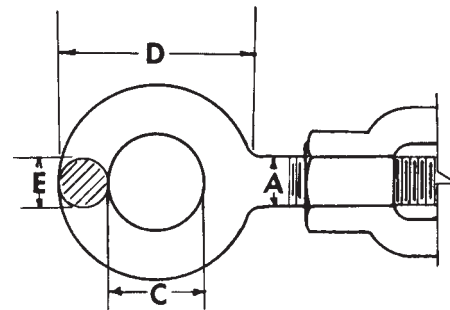
Dimensions - Inches				Working Load Limit in Lbs. †
A	B	C	D	
1/4"	5/16"	9/32"	7/32"	400
5/16"	1/2"	1/2"	5/16"	700
3/8"	1/2"	1/2"	3/8"	1,000
1/2"	7/8"	13/16"	17/32"	1,500
5/8"	29/32"	27/32"	5/8"	2,250
3/4"	1-1/8"	29/32"	11/16"	3,000
7/8"	1-3/16"	1-1/16"	13/16"	3,200
1"	1-3/8"	1-1/4"	7/8"	5,000

† Loads are based on a safety factor of 5 to 1.

Available with hot galvanized or self-colored finish.
Eye, Jaw and Hook fittings are heat treated.

Diameter & Take-up	Hook and Eye		Closed Length	Weight per 100 in Lbs.
	Part No. SC	Galv.		
1/4" x 4"	01555 4	01705 3	8-1/4"	35
5/16" x 4-1/2"	01560 8	01710 7	9-1/4"	47.5
3/8" x 6"	01565 3	01715 2	11-3/4"	90.6
1/2" x 2"	01570 7	01720 6	9-1/4"	109
1/2" x 6"	01573 8	01723 7	13-5/8"	170
1/2" x 9"	01576 9	01726 8	16-3/8"	202
1/2" x 12"	01579 0	01729 9	19-5/8"	232.5
5/8" x 6"	01584 4	01734 3	14-1/8"	260
5/8" x 9"	01587 5	01737 4	17-3/8"	320
5/8" x 12"	01590 5	01740 4	20-5/8"	392.5
5/8" x 18"	01593 6	01743 5	26-5/8"	557
3/4" x 6"	01598 1	01748 0	15-3/4"	397.5
3/4" x 9"	01601 8	01751 0	18-7/8"	512.5
3/4" x 12"	01604 9	01754 1	22-1/8"	581
3/4" x 18"	01607 0	01757 2	28-1/8"	666
7/8" x 6"	01612 4	01762 6	18-1/2"	650
7/8" x 12"	01615 5	01765 7	23-1/8"	787.5
7/8" x 18"	01618 6	01768 8	29-1/8"	1212
1" x 6"	01623 0	01773 2	19-1/2"	805
1" x 12"	01626 1	01776 3	25-1/4"	1077.5
1" x 18"	01629 2	01779 4	31-1/4"	1386

To ascertain extended length add amount of take-up to length in closed position.



EYE DIMENSIONS - STRENGTH

Dimensions - Inches				Working Load Limit in Lbs. †
A	C	D	E	
1/4"	1/2"	1"	7/32"	500
5/16"	5/8"	1-1/4"	9/32"	800
3/8"	3/4"	1-1/2"	11/32"	1,200
1/2"	1"	2"	7/16"	2,200
5/8"	1-1/4"	2-5/16"	17/32"	3,500
3/4"	1-1/2"	2-3/4"	5/8"	5,200
7/8"	1-3/4"	3-1/2"	7/8"	7,200
1"	2"	3-3/4"	7/8"	10,000

† Loads are based on a safety factor of 5 to 1.

Maximum load ratings are based on a straight vertical lift in a gradually increasing manner. Any deviations as angular lifts, shock loads, modification of the basic part, etc., will result in drastically reduced maximum loads.

DROP FORGED TURNBUCKLES



Turnbuckles Meet Performance Requirements of ASTM Specification F1145-92 Type 1 Grade 1
(Supercedes FF-T-791B)

Eye, Jaw and Hook fittings are heat treated.



Diameter & Take-up	Jaw and Eye Hot Galvanized			Jaw and Jaw Hot Galvanized		
	Part No.	Closed Length	Weight per 100	Part No.	Closed Length	Weight per 100
1/4" x 4"	02605 5	8-1/4"	37.5	03055 7	8-1/2"	40
5/16" x 4-1/2"	02610 9	9-1/8"	52.5	03060 1	9-1/4"	52.5
3/8" x 6"	02615 4	11-1/2"	96.5	03065 6	11-1/2"	97.5
1/2" x 2"	02620 8	8-3/4"	109	03070 0	8-7/8"	119
1/2" x 6"	02623 9	13-1/4"	160	03073 1	13-1/2"	170
1/2" x 9"	02626 0	16-1/4"	198.5	03076 2	16-1/2"	202.5
1/2" x 12"	02629 1	19-1/4"	225	03079 3	19-1/2"	227.5
5/8" x 6"	02634 5	14-5/8"	257.5	03084 7	15-3/4"	260.5
5/8" x 9"	02637 6	17-7/8"	330	03087 8	18-3/4"	330
5/8" x 12"	02640 6	21-1/8"	402	03090 8	21-3/4"	407
5/8" x 18"	02643 7	27-1/8"	581	03093 9	27-3/4"	607
3/4" x 6"	02648 2	15-5/8"	402.5	03098 4	16-1/2"	417.5
3/4" x 9"	02651 2	18-3/4"	522.5	03101 1	19-1/2"	545
3/4" x 12"	02654 3	22"	602.5	03104 2	22-1/2"	619.5
3/4" x 18"	02657 4	28"	702	03107 3	28-1/2"	753
7/8" x 6"	02662 8	19"	655	03112 7	19-1/2"	668
7/8" x 12"	02665 9	23-1/2"	842.5	03115 8	24-1/2"	862.5
7/8" x 18"	02668 0	29-1/2"	1252	03118 9	30-1/2"	1281
1" x 6"	02673 4	19-1/8"	872	03123 3	21-3/16"	911
1" x 12"	02676 5	25-1/4"	1137.5	03126 4	25-1/2"	1165
1" x 18"	02679 6	31-1/4"	1463	03129 5	31-1/2"	1518



(Class H)



(Class G)

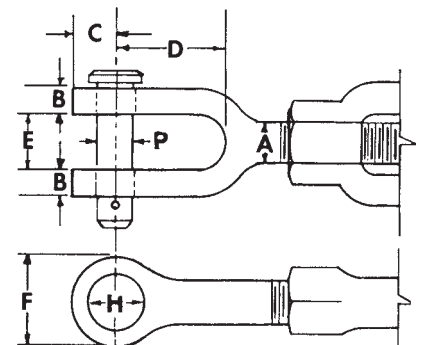
Available with hot galvanized or self-colored finish. Jaw types supplied with round pins and cotter keys unless nuts and bolts are specified. Locking nuts are also available.



Diameter & Take-up	Rod End Eye & Eye Self-Colored		
	Part No.	Closed Length	Weight per 100
1/2" x 6"	03373 2	13"	131
5/8" x 6"	03384 8	13-1/4"	205
3/4" x 6"	03398 5	13-1/2"	293
7/8" x 6"	03412 8	14"	456
1" x 6"	03423 4	14-1/8"	589

JAW DIMENSIONS - STRENGTH

Dimensions - Inches								Working Load Limit in Lbs.†
A	B	C	D	*E	F	**H	P	
1/4"	7/32"	5/16"	25/32"	3/8"	5/8"	9/32"	1/4"	500
5/16"	1/4"	5/16"	7/8"	15/32"	5/8"	9/32"	1/4"	800
3/8"	9/32"	13/32"	1"	1/2"	13/16"	11/32"	5/16"	1,200
1/2"	5/16"	1/2"	1-9/32"	5/8"	1"	15/32"	7/16"	2,200
5/8"	3/8"	21/32"	1-21/32"	7/8"	1-5/16"	35/64"	1/2"	3,500
3/4"	1/2"	13/16"	1-27/32"	15/16"	1-5/8"	43/64"	5/8"	5,200
7/8"	9/16"	29/32"	1-31/32"	1-5/32"	1-7/8"	25/32"	3/4"	7,200
1"	11/16"	1-1/16"	2-13/32"	1-3/16"	2"	15/16"	7/8"	10,000



* At parting line: includes 7° draft.

** Hole size.

† Loads are based on a safety factor of 5 to 1.

September 23, 2008

Sherwin-Williams Introduces New POWDURA Super Durable TGIC-Free Polyester Powder Coating

Technology Offers Important Performance and Application Benefits for Metal Finishers

(INDIANAPOLIS – September 23, 2008) – New from Sherwin-Williams is POWDURA® Super Durable TGIC-Free Polyester, an innovative, powder coating technology formulated to provide a greener coating solution with significant performance and application advantages for metal finishers.

Sherwin-Williams POWDURA® Super Durable TGIC-Free Polyester provides better exterior durability, UV resistance and gloss retention than standard TGIC powders. Further, it accepts and holds onto electrical charge better and longer than standard TGIC powders, improving transfer efficiency by 10% or more. The technology's non-toxic, TGIC-free properties also contribute to making it a greener solution for metal finishers.

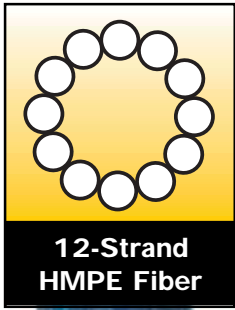
Available in 188 RAL colors, Sherwin-Williams POWDURA® Super Durable TGIC-Free Polyester is ideal for store fixtures, casual outdoor furniture and contract furniture. It also can be used in combination with some Sherwin-Williams liquid coatings to create special effects such as popular aged bronze finishes.

Available as epoxy, hybrid, polyester and polyurethane, Sherwin-Williams POWDURA finishes deliver a highly durable, protective finish that minimizes substrate defects in both interior- and exterior-use products such as office furniture, electronic cabinetry, automotive components, lawn/garden equipment and outdoor furniture. Whether finishers need special effect looks, low-cure or thin-film, out-gas-free or E-cap-free, Sherwin-Williams has the right chemistries to ensure that finishing lines run smoothly and at peak efficiency.

The Sherwin-Williams Chemical Coatings Division, with more than 140 years of experience in products finishing technology, serves the products finishing market through a North American network of company-owned locations and with expanding global reach.

Sherwin-Williams is committed to being a recognized leader in the development of sustainable processes, products and activities that preserve natural resources and contribute to social improvement. The company's GreenSure designation is used to help customers identify products that meet our highest green coating standards and offer maximum performance and long-term durability.

Sherwin-Williams broad line of low-VOC coatings, full range of technical support and just-in-time distribution capabilities allows product finishers to specify quality coatings that provide innovative solutions with the assurance of regulatory compliance. For a better finish, visit Sherwin-Williams on the Internet at www.sherwin-williams.com/oem or to have a representative contact you, call 1-800-524-5979.



**12-Strand
HMPE Fiber**



AmSteel®-Blue

Product Code: 872

AmSteel®-Blue is the latest development of HMPE fiber in a twelve-strand braided rope utilizing Parallay™ design with our proprietary blue Samthane™ urethane coating. This twelve-strand braided rope yields the maximum in strength-to-weight ratio and is stronger than wire rope constructions--yet it floats. It also has the best flex-fatigue and wear resistance when compared to products made of HMPE or post-drawn HMPE fibers.

FEATURES/BENEFITS

- ➔ Lightweight and Flexible
- ➔ Superior wear life
- ➔ Floats
- ➔ Fast and easy to splice
- ➔ Highest resistance to wear and flex-fatigue
- ➔ Non-rotational

See other side for additional product information.

SIZE			WEIGHT		AVERAGE Strength		MINIMUM Strength	
Dia. Inches	mm	Circ. Inches	Lbs per 100 Ft.	Kg per 100 M	Lbs	Kg	Lbs	Kg
3/16"	5	9/16"	1.0	1.5	5,400	2,449	4,860	2,204
1/4"	6	3/4"	1.6	2.4	9,200	4,173	8,280	3,756
5/16"	8	1"	2.7	4.0	13,700	6,214	12,330	5,593
3/8"	9	1-1/8"	3.6	5.4	20,445	9,274	18,401	8,347
7/16"	11	1-1/4"	4.2	6.3	23,925	10,852	21,533	9,767
1/2"	12	1-1/2"	6.4	9.5	36,250	16,443	32,625	14,799
9/16"	14	1-3/4"	7.9	11.8	44,660	20,258	40,194	18,232
5/8"	16	2"	10.2	15.2	59,015	26,769	53,114	24,093
3/4"	18	2-1/4"	13.3	19.8	69,600	31,571	62,640	28,414
13/16"	20	2-1/2"	15.8	23.6	81,925	37,161	73,733	33,445
7/8"	22	2-3/4"	19.6	29.2	98,310	44,593	88,479	40,134
1"	24	3"	21.8	32.4	116,000	52,618	104,400	47,356
1-1/16"	26	3-1/4"	27.5	41.0	131,300	59,558	118,170	53,602
1-1/8"	28	3-1/2"	31.9	47.4	147,900	67,087	133,110	60,379
1-1/4"	30	3-3/4"	36.2	53.9	165,300	74,980	148,770	67,482
1-5/16"	32	4"	41.8	62.2	184,150	83,530	165,735	75,177
1-1/2"	36	4-1/2"	51.7	77.0	227,650	103,262	204,885	92,936
1-5/8"	40	5"	65.2	97.0	283,185	128,453	254,867	115,608
1-3/4"	44	5-1/2"	78.4	116.6	334,950	151,933	301,455	136,740
2"	48	6"	87.0	129.5	380,625	172,652	342,563	155,387
2-1/8"	52	6-1/2"	109.0	162.2	456,750	207,182	411,075	186,464
2-1/4"	56	7"	116.0	172.6	537,443	243,784	483,698	219,406
2-1/2"	60	7-1/2"	148.0	220.3	588,000	266,717	529,200	240,045
2-5/8"	64	8"	167.0	248.5	661,500	300,056	595,350	270,051
2-3/4"	68	8-1/2"	187.0	278.3	735,000	333,396	661,500	300,056
3"	72	9"	206.0	306.6	830,550	376,737	747,495	339,064
3-1/4"	80	10"	240.0	357.2	1,006,950	456,753	906,255	411,077

Specific Gravity:
.98 (Floats)

Stated strength are approximate averages of new rope. Construction, materials, and specifications subject to change without notice. Please visit samsonrope.com for the most current product specifications. Important information on Standards for Strengths and Usage is published in our catalog, product list and price list.

AmSteel®-Blue - Additional Information

ELASTIC ELONGATION

At stated % of Break Strength

% Break Strength	10%	20%	30%
% Elastic Elongation	0.46%	0.70%	0.96%

Based on rope stabilized from 200D². Rope cycled 50 times at each percent of break strength.



QUALITY ASSURANCE & ISO CERTIFICATION

Quality assurance monitoring is a critical aspect of our manufacturing operation. Two key components of quality assurance are plant-wide ISO 9001-2000 certification and product testing facilities.

CERTIFICATION: Samson was one of the first US rope manufacturers to receive ISO 9001-2000 certification. All three Samson manufacturing facilities are ISO 9001-2000 certified, testimony to our commitment to quality and industry leadership.

TESTING CAPABILITY: Routine inspection, computerized production documents and individual manufacturing specifications for all products help ensure the highest level of quality throughout the production phase. Because our plants are equipped with the necessary equipment, we are able to audit and verify product quality throughout the production process. Our quality assurance processes include:

- Integrated product development and production software that translates engineering specifications into production orders for manufacturing.
- Specialized production documents for processing high modulus fibers.
- Standardized procedures for inspection, analysis and testing of in-process product as well as finished goods.
- Individual specifications for all products.


Description

Polyfab Shade Sail Edge Webbing is used for shade structures and shade sails. This polyester webbing has a breaking strength of approximately 4,700 pound force. Matches Polytex®, Comtex® and Archtec 400® extra heavy duty knitted Shadecloth.

Trademark: Polyfab™ is a trademark of Polyfab USA. Polytex®, Comtex® and Archtec 400® are registered trademarks of Polyfab USA.

Info & Guides - Click to Download

 [Warranty](#)

 [Sample Card](#)

Specifications

Color:	Black		
Product Category:	Polyfab Shade Sail Edge Webbing	Put Up:	109 yd.
Width:	2 in.		
Average Breaking Strength:	4400 lb.		
Color Number:	59		
Standard Package:	1		

Recently Viewed Products



Polyfab™ Shade Sail Edge Webbing

2" Black (109 yards)



DHD
DUFFERHOLLOWDESIGNS.COM
660-464-4660