

MATERIAL FOR PARACHUTE SYSTEMS FABRIC, CORD

Updated: April 15, 2021

All products are qualified, manufactured in strict accordance with current applicable PIA SPECIFICATIONS and STANDARDS.

Fabric, Cord for Parachute Systems

Fabric, nylon, rip-stop, 36 or 48 inches wide

PIA-C-7020 Type I



- Rip-stop weave
- Weight: max. 1.10 oz/sq.yd
- Air permeability: 80 - 120 CFM
- Tensile strength: min. 42(W) X 42(F) lbf

Fabric, nylon, dobby, 36 or 48 inches wide

PIA-C-7350 Type I



- Dobby weave
- Weight: max. 2.25 oz/sq.yd
- Air permeability: 90 - 140 CFM
- Tensile strength: min. 85(W) X 85(F) lbf

Fabric, nylon, duck, oxford, 60 inches wide

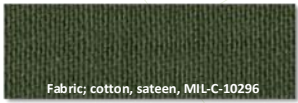
PIA-C-7219 Type III



- Plain weave
- Weight: max. 7.25 oz/sq.yd
- Tensile strength: min. 325(W) X 275(F) lbf
- Tearing strength: min. 20(W) X 20(F) lbf

Fabric, cotton, sateen, 60 inches wide

MIL-C-10296



- Sateen weave, 5 harness
- Weight: max. 9.00 oz/sq.yd
- Tensile strength: min. 115(W) X 100(F) lbf
- Singed, de-sized, and mercerized finish

Others;

- PIA-C-44378 Type II: Fabric, nylon, rip-stop, 1.12 oz/sq.yd, 30 - 50 CFM
- PIA-C-44378 Type IV: Fabric, nylon, rip-stop, 1.20 oz/sq.yd, 0.5 - 3.0 CFM
- PIA-C-7020 Type III: Fabric, nylon, rip-stop, 1.60 oz/sq.yd, 100 - 160 CFM

Fabric, nylon, rip-stop, low porosity, 36 or 48 inches wide

PIA-C-44378 Type I



- Rip-stop weave
- Weight: max. 1.20 oz/sq.yd
- Air permeability: 0.5 - 5.0 CFM
- Tensile strength: min. 45(W) X 45(F) lbf

Fabric, nylon, duck, 40 inches wide

PIA-C-3953



- Basket, 3X4 weave
- Weight: 20.50±1 oz/sq.yd
- Tensile strength: min. 1,100(W) X 1,100(F) lbf
- Tearing strength: min. 135(W) X 135(F) lbf

Fabric, cotton, army duck, plied-yarns, 60 inches wide

PIA-C-419 Type III



- Plain weave
- Weight: min. 12.30 oz/sq.yd
- Tensile strength: min. 210(W) X 130(F) lbf

Net, nylon, anti-inversion, 5 mesh

PIA-C-43805

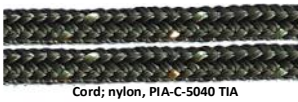


- Mesh type knit, 5 of twisted thread
- Mesh size: 3-3/4 X 3-3/4 inches
- Width: 18±1 inches
- Single end of 840 denier

- PIA-C-44378 Type III: Fabric, nylon, rip-stop, 1.17 oz/sq.yd, 30 - 50 CFM
- PIA-C-7020 Type II: Fabric, nylon, twill, 1.60 oz/sq.yd, 100 - 160 CFM
- PIA-C-498 Type D: Fabric, nylon, plain, 0.88 oz/sq.yd, 300 - 500 CFM

Cord, nylon, suspension lines, coreless

PIA-C-5040 Type IA



- Braided weave, coreless, 16 carriers
- Length per pound: min. 1050 feet
- Tensile strength: min. 100 lbf
- Elongation: min. 30%

Cord, nylon, suspension lines, 5 cores

PIA-C-5040 Type II



- Braided weave, 5 cores, 32 carriers
- Length per pound: min. 265 feet
- Tensile strength: min. 400 lbf
- Elongation: min. 30%

Cord, nylon, suspension lines, 8 cores

PIA-C-5040 Type III



- Braided weave, 8 cores, 32 carriers
- Length per pound: min. 225 feet
- Tensile strength: min. 550 lbf
- Elongation: min. 30%

Cord, nylon, suspension lines, coreless

PIA-C-7515 Type IV



- Braided weave, coreless, 16 carriers
- Length per pound: min. 120 feet
- Tensile strength: min. 1000 lbf
- Elongation: min. 20%

Others;

- PIA-C-7515 Type II: Cord, nylon, coreless, break 550 lbf
- PIA-C-7515 Type V: Cord, nylon, coreless, break 1500 lbf
- PIA-C-2754: Cord, polyester, coreless, break 600 lbf (Type I), 1000 lbf (Type II)
- PIA-C-17183: Cord, nylon, tubular, splice-able

MATERIAL FOR PARACHUTE SYSTEMS

WEBBING, TAPE

Updated: April 15, 2021

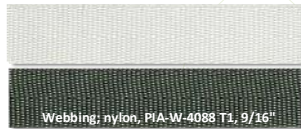
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Webbing, Tape for Parachute Systems

PIA-W-27265(R): Resin impregnated nylon webbing PIA-W-4088

Webbing, nylon, 9/16 inch wide

PIA-W-4088 Type I



- Twill, herringbone (2X2 HBT) weave
- Thickness: 0.025 - 0.040 inch
- Weight: max. 0.28 oz/yd
- Tensile strength: min. 500 lbf

Webbing, nylon, 1-1/4 inches wide

PIA-W-4088 Type III



- Twill, herringbone (2X2 HBT) weave
- Thickness: 0.025 - 0.040 inch
- Weight: max. 0.52 oz/yd
- Tensile strength: min. 800 lbf

Webbing, nylon, 1-3/4 inches wide

PIA-W-4088 Type VIII



- Twill, herringbone (2X2 HBT) weave
- Thickness: 0.040 - 0.070 inch
- Weight: max. 1.60 oz/yd
- Tensile strength: min. 4000 lbf

Webbing, nylon, 1-3/4 inches wide

PIA-W-4088 Type XIII



- Plain, double weave
- Thickness: 0.080 - 0.120 inch
- Weight: max. 2.90 oz/yd
- Tensile strength: min. 7000 lbf

Webbing, nylon, tubular, 1/2 inch wide

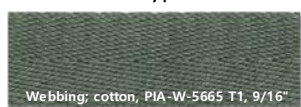
PIA-W-5625



- Plain, tubular weave
- Thickness: max. 0.090 inch
- Weight: max. 0.50 oz/yd
- Tensile strength: min. 1000 lbf

Webbing, cotton, 9/16 inch wide

PIA-W-5665 Type I



- Twill, herringbone (2X2 HBT) weave
- Thickness: 0.040 - 0.050 inch
- Weight: max. 0.40 oz/yd
- Tensile strength: min. 350 lbf

Webbing, cotton, 1-1/4 inches wide

PIA-W-5665 Type III



- Twill, herringbone (2X2 HBT) weave
- Thickness: 0.040 - 0.050 inch
- Weight: max. 0.90 oz/yd
- Tensile strength: min. 750 lbf

Webbing, cotton, 1 inch wide

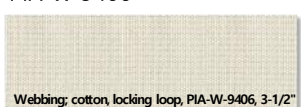
PIA-W-5665 Type XVII



- Twill, herringbone (2X2 HBT) weave
- Thickness: 0.075 - 0.095 inch
- Weight: max. 1.25 oz/yd
- Tensile strength: min. 900 lbf

Webbing, cotton, locking loop, 3-1/2 inches wide

PIA-W-9406



- Plain weave
- Thickness: 0.070 - 0.100 inch (base and loop)
- Weight: 8.19 - 9.00 oz/yd
- Tensile strength: min. 1100 lbf

Webbing, nylon, 1 inch wide

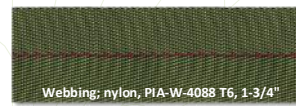
PIA-W-4088 Type II



- Twill, herringbone (2X2 HBT) weave
- Thickness: 0.025 - 0.040 inch
- Weight: max. 0.42 oz/yd
- Tensile strength: min. 600 lbf

Webbing, nylon, 1-3/4 inches wide

PIA-W-4088 Type VI



- Twill, herringbone (2X2 HBT) weave
- Thickness: 0.030 - 0.050 inch
- Weight: max. 1.15 oz/yd
- Tensile strength: min. 2500 lbf

Webbing, nylon, 1-3/4 inches wide

PIA-W-4088 Type XII



- Twill, herringbone (2X2 HBT) weave
- Thickness: 0.025 - 0.040 inch
- Weight: max. 0.80 oz/yd
- Tensile strength: min. 1200 lbf

Webbing, nylon, 1 inch wide

PIA-W-4088 Type XVII



- Twill, herringbone (2X2 HBT) weave
- Thickness: 0.045 - 0.070 inch
- Weight: max. 1.15 oz/yd
- Tensile strength: min. 2500 lbf

Webbing, nylon, tubular, 1 inch wide

PIA-W-5625



- Plain, tubular weave
- Thickness: max. 0.120 inch
- Weight: max. 1.70 oz/yd
- Tensile strength: min. 4000 lbf

Webbing, cotton, 1 inch wide

PIA-W-5665 Type II



- Twill, herringbone (2X2 HBT) weave
- Thickness: 0.040 - 0.050 inch
- Weight: max. 0.75 oz/yd
- Tensile strength: min. 575 lbf

Webbing, cotton, 1-3/4 inches wide

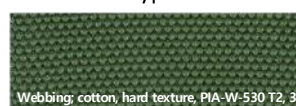
PIA-W-5665 Type VIII



- Twill, herringbone (2X2 HBT) weave
- Thickness: 0.070 - 0.095 inch
- Weight: max. 3.00 oz/yd
- Tensile strength: min. 1200 lbf

Webbing, cotton, hard texture, 3 inches wide

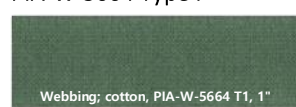
PIA-W-530 Type II



- Plain weave
- Weight: max. 1.95 oz/yd
- Tensile strength: min. 810 lbf

Webbing, cotton, elastic, 1 inch wide

PIA-W-5664 Type I



- Thickness: 0.016 - 0.046 inch
- Weight: max. 0.73 oz/yd
- Load range: 3.00 - 5.50 lbf (to produce 50% elongation)

Webbing, Tape for Parachute Systems

Tape, nylon, 3/8 inch wide
PIA-T-5038 Type III



- Plain weave
- Thickness: 0.015 - 0.025 inch
- Weight: max. 0.12 oz/yd
- Tensile strength: min. 200 lbf

Tape, nylon, 3/4 inch wide
PIA-T-5038 Type III



- Plain weave
- Thickness: 0.015 - 0.025 inch
- Weight: max. 0.20 oz/yd
- Tensile strength: min. 400 lbf

Tape, nylon, 1 inch wide
PIA-T-5038 Type III



- Plain weave
- Thickness: 0.015 - 0.025 inch
- Weight: max. 0.30 oz/yd
- Tensile strength: min. 525 lbf

Tape, nylon, 1-1/2 inches wide
PIA-T-5038 Type III



- Plain weave
- Thickness: 0.015 - 0.025 inch
- Weight: max. 0.40 oz/yd
- Tensile strength: min. 850 lbf

Webbing, nylon, 1 inch wide
PIA-T-5038 Type IV



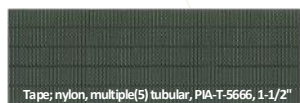
- Plain, double weave
- Thickness: 0.030 - 0.040 inch
- Weight: max. 0.50 oz/yd
- Tensile strength: min. 1000 lbf

Webbing, nylon, 1-1/2 inches wide
PIA-T-5038 Type IV



- Plain, double weave
- Thickness: 0.030 - 0.040 inch
- Weight: max. 0.75 oz/yd
- Tensile strength: min. 1500 lbf

Tape, nylon, multiple(5) tubular, 1-1/2 inches wide
PIA-T-5666



- Plain, tubular, multiple(5) weave
- Thickness: 0.020 - 0.025 inch
- Weight: max. 0.40 oz/yd
- Tensile strength: min. 500 lbf

Tape, nylon, tubular, 1 inch wide
PIA-T-6134 Type I



- Plain, tubular weave
- Thickness: 0.025 - 0.045 inch
- Weight: max. 0.40 oz/yd
- Tensile strength: min. 525 lbf

Tape, cotton, 1/4 inch wide
PIA-T-5661 Type I



- Plain weave
- Weight: max. 0.11 oz/yd
- Tensile strength: min. 80 lbf

Tape, cotton, 3/4 inch wide
PIA-T-5661 Type III



- Twill, 2X2 weave
- Weight: max. 0.14 oz/yd
- Tensile strength: min. 75 lbf

Fastener tapes, hook and loop, 1 inch wide
A-A-55126 Type II Class 1



- Materials: hook (nylon), pile (nylon)
- Thickness: max. 0.050 (hook), 0.095 (pile) inch
- Weight: min. 4.7 g/yd (hook)
min. 5.9 g/yd (loop)
- Tensile strength: min. 100 (hook) X 75 (loop) lbf

MATERIAL FOR PARACHUTE SYSTEMS HARDWARE

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Hardware for Parachute Systems

Canopy release, female 60B4313 (100681)



- Hot forged alloy steel, cadmium plated
- Proof load: min. 5000 lbf
- Weight: approx. 8.00 ounces

Canopy release, male 60J4328



- Hot forged alloy steel, cadmium plated
- Proof load: min. 5000 lbf
- Weight: approx. 4.00 ounces

Link, connector, removable PS22002-1



- Hot forged alloy steel, cadmium plated
- Proof load: min. 3000 lbf
- Weight: approx. 2.60 ounces

Adapter, with tensioner and spring PS70124-1



- Hot forged alloy steel, cadmium plated
- Proof load: min. 2500 lbf
- Side load: min. 1000 lbs
- Weight: approx. 4.40 ounces

Adapter, adjusting strap PS22014-3



- Hot forged alloy steel, cadmium plated
- Proof load: min. 1000 lbf
- Side load: min. 1000 lbf
- Weight: approx. 1.90 ounces

Snap, quick-fit ejector PS22017



- Hot forged alloy steel, cadmium plated
- Proof load: min. 2500 lbf
- Weight: approx. 4.70 ounces

V-ring, with tensioner and spring PS27765-1



- Hot forged alloy steel, cadmium plated
- Proof load: min. 2500 lbf
- Side load: min. 1000 lbf
- Weight: approx. 4.50 ounces

D-ring, wide mouth 11-1-485



- Hot forged alloy steel, cadmium plated
- Proof load: min. 5000 lbf
- Weight: approx. 4.00 ounces

Link, triangle, equipment ring PS22020



- Hot forged alloy steel, cadmium plated
- Proof load: min. 2500 lbf
- Weight: approx. 1.50 ounces

Snap assembly, static line, standard PS70120



- Sheet steel, cadmium plated
- Proof load: min. 1750 lbf
- Weight: approx. 8.60 ounces

Pin, locking snap 55B6261



- Wire steel, high carbon, round
- Weight: approx. 1.00 ounce

Toggle, dowel, hardwood 68B219 (A-A-1975)



- Dowel, hardwood (MM-L-736)
- Length: 2 inches
- Diameter dowel 5/8 inch, hole 3/16 inch

Ring, reefing, control line guide PS27762-1



- Carbon steel, cadmium plated
- Diameter, inner: 1/2 inch
- Weight: approx. 1.00 ounce

Snap, connector, with ear on guard PS70121-1



- Hot forged alloy steel, cadmium plated
- Proof Load: min. 5000 lbf
- Weight: approx. 7.00 ounces

Spring, ripcord, activate pilot chute 48A6975



- Wire steel, corrosion resisted
- Length: 1-3/16 inch
- 24.5 coils per inch

Ripcord assembly, releases reserve parachute, cloverleaf grip 62C4250



- Tubing stainless steel, wire steel, swaged ball steel
- Weight: approx. 3.10 ounces
- 2 locking pins

Hardware for Parachute Systems

Frame, umbrella shape, pilot chute

59C22010



- Wire steel, spring, cadmium plated
- Size: 18-1/2(L) X 18-1/2(W) X 4-3/4(H) inches
- Weight: approx. 5.26 ounces

Frame, rectangular shape, parachute pack

42D14626



- Wire steel, spring, cadmium plated
- Size: 16(L) X 6(W) inches
- Weight: approx. 4.00 ounces

Fastener, parachute pack

PS70092



- Copper ally, chrome plated
- Diameter, hole: 1/2 inch
- Thickness: 1/16 inch
- Weight: approx. 0.30 ounce

Grommet with washer, plain, 3/5 inch (15 mm)

MS22048-C1



- Brass, chrome plated
 - Weight: approx. 0.10 ounce/set
- | | Grommet | Washer |
|-------------------|-----------|-----------|
| ▪ Diameter: outer | 0.97 inch | 0.97 inch |
| inner | 0.60 inch | 0.67 inch |

Cone, releasing, locking ripcord pins

PS27763



- Brass(PS27763-1) chrome plated, stainless steel(PS27763-2)
- 8 holes equally spaced
- Weight: approx. 0.50 ounce

Stiffener, cone flap, phenolic sheet

45A28142



- Cotton-fabric-base, Phenolic-resin binder (MIL-I-24768 Type FBM)
- Size: 5-1/4(L) X 1-1/8(W) inches
- Weight: approx. 0.36 ounce

Eye, corresponding hooks

50A6153



- Wire steel, corrosion resisted
- Height: 1/2 inch
- Weight: approx. 0.01 ounce

Hook, corresponding eyes

46A3155



- Wire steel, corrosion resisted
- Proof load: min. 25 lbf
- Weight: approx. 0.01 ounce

Spring, pack opening band, 12-1/2 inches long

PS90296-6 (46A3154-3)



- Wire steel, corrosion resisted
- 66 coils per inch
- Weight: approx. 0.15 ounce

Spring; pack opening band, 16-1/2 inches long

PS90296-7 (46A3154-2)



- Wire steel, corrosion resisted
- 66 coils per inch
- Weight: approx. 0.21 ounce

Others;

- PS22014-1/-2: Adapter, harness, adjusting strap
- PS22040-1/-2: Adapter, harness, quick fit
- PS22047-1/-2: Adapter, harness, strap, uneven slide
- PS70101-1/-2/-3: Adapter, reversible, quick fit
- PS70114-1: Adapter, quick fit, small frame
- PS22018-1E: Hook, snap, harness, quick fit ejector
- PS22042-1/-2: Hook, snap, quick connector
- PS22043-1/-2: Hook, snap, harness, quick fit
- PS22044-1/-2: Hook, snap, harness
- PS70099-1/-2: Hook, snap, quick release
- 68D37721-3: Hook, snap assembly, removable pin & roller
- PS22002-2: Link, removable connector
- PS70098-1/-2: Link, quick release, 1-3/4 inches web slot
- PS70108-1/-2: Link, solid connector, adjuster
- PS70116: Link, quick release
- 44B26454: Link, lap safety belt, 1-3/4 inches web slot
- 52B6660-2: Link, separable connector
- 555-1: Link, quick fit ring
- PS22020-2: V-ring, triangle link
- PS22045-1/-2: V-ring
- PS70102-1/-2/-3: V-ring, quick fit
- PS70113: V-ring, quick fit
- PS70123-1: V-ring accessory, attaching ring
- 56B6115: V-ring, adjustable without tensioner & spring
- 59C381: V-ring, triangle reversible, quick fit
- PS22046-1/-2: D-ring, harness, angled
- PS22046-3/-4: D-ring, harness, angled, 2 holes drilled on the center bar
- PS27760: D-ring, lug assembly, quick release
- 101407: D-ring, separable bar
- 11-1-3538: D-ring, bent
- 11-1-4232: D-ring, replaceable bar
- 3-ring for military and sport parachute
- PS70112: Ripcord assembly, 62C4252-1/-2
- 62C4250: Ripcord assembly
- 60C6004: Ripcord housing, clamp assembly
- Ripcord assembly for sport parachute
- 60A113C24-1: Cone, reserve, release
- 47B3197: Stiffener, reserve, B-12/B-20
- 47D3195: Stiffener, reserve, B-12/B-20
- 50B6864: Stiffener, reserve, B-12/B-20
- 62B4012, 62B4013: Stiffener, reserve
- PS22048: Grommet with washer, 12mm, C2, C3 (black)
- PS20230: Grommet with washer, BS1(8mm), BS10(6mm)
- 60D652: Connector, adjustable
- 53C72017: Spring, pilot chute
- 64C21128: Spring, pilot chute
- 55A6173: Washer
- 51B6740: O-ring, A-21
- 57B6112: Retainer snap, lanyard
- 53C6711: Disk
- PS22007: Adjuster, shoulder harness
- PS22046-7/-8: D-ring, cargo, restraint
- PS27761: D-ring, knife release, cargo platform
- PS70086-1: Cargo, clevis riser, air delivery
- 11-1-3359: Cargo, link assembly, extraction line, single
- Alligator snap for cargo parachute
- Link, pear shaped hoist & cargo net
- A-A-55634: Zippers with slider
- PS27983: Fasteners, snap
- MIL-R-1832: Rubber band
- MIL-R-5001: Rubber cellular sheet
- 11-1-6991-1: Snap, hook, universal static line (USL)



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