

**G-12D 64 FT. CARGO ASSEMBLY**  
**P/N 55A6045**  
**NSN 1670-00-893-2371**

**TECHNICAL DATA**  
**UPDATED MAY 17, 2004**

**U.S. PART NO:**

**55A6045**

1. 48K6076
2. 11-1-3967-1
3. 53E6803-1
4. 53D6805
5. 59J6171
6. 51D6183; 51D6183-1

**The standard assembly consists of:**

**G-12D 64 FT. CARGO ASSEMBLY**

- 64 Ft. Canopy With Large Clevis Assembly
- New Deployment Bag
- Pilot Chute
- Deployment Line 10 Ft.
- Static Line Nylon With Small Clevis Assembly
- Risers; -1 Riser With Log Pocket P/N 11-1-2587

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1. **64 Ft. Canopy, P/N 48K6076:**

Shape:	Flat, Circular
Diameter:	64 Ft.
Number of Gores	64
Number of Sections Per Gore	5
Number of Suspension Lines	64
Free Length of Suspension Lines	51 Ft.
Number of Riser Assemblies	2
Length of Suspension Riser Assemblies	65 Inches
Gore Material:	Nylon Cloth, PIA-C-7350, Type I, 2.25 oz., Camouflage Green #483, 58", 85# tensile strength warp and fill 90 – 140 CFM air permability
Suspension Line Material:	Nylon Cord, PIA-C-7515, Type IV, Camouflage Green #483, 1000# tensile strength
Vent Reinforcement:	PIA-W-4088, 1", Type XVIII, Class 2, Natural, 6000# tensile strength, Condition U
Skirt Reinforcement:	PIA-W-5625, 1", Natural, 4000# tensile strength
Line Reinforcement:	PIA-W-5625, 9/16", Tubular, Camouflage Green #483, 1500# tensile strength
Pocket Bands:	PIA-C-7515, Type IV, 1000# tensile strength, Camouflage Green #483
Large Clevis:	PS 70087-2, 20,000# proof load
Connector Links:	PS 22002-1, Opt. -2 or PS 70118-3 – All 3000# proof load
Riser Material:	PIA-W-27265, 1-3/4", Type X, Class 2, Camouflage Green #483, 9500# tensile strength

**1. 64 Ft. Canopy, P/N 48K6076 (Cont.):**

Rip Tab Material: PIA-T-5038, 1/2", Type III, Class 2, Camouflage Green #483, 250# tensile strength

Canopy Stitching: Nylon Thread, V-T-295, Type I/II, Class A, Size E, FF, 3-C, Natural

Bridle Loop: PIA-W-27265, Type VII, 1-23/32", Class 2, Camouflage Green #483, 6000# tensile strength

**2. New Deployment Bag, P/N 11-1-3967-1:**

Type bag: Locking closure

Bag Panel Material: MIL-C-43375, 12.5 oz., Class 2, Camouflage Green #483, 800# warp tensile strength, 700# fill tensile strength

Reinforcement Straps: PIA-W-27265, Type VIII, Camouflage Green #483, 1-23/32", Class 2, 6000# tensile strength

Stow Loops; Closing Loops: PIA-W-5625, 5/8", Natural, 2250# tensile strength

Tie Loops: PIA-W-5625, 5/8", Camouflage Green #483, 2250# tensile strength

Locking Loops: PIA-W-27265, Type VIII, 1-23/32", Class 2, Camouflage Green #483, 3600# tensile strength with PIA-C-419, Camouflage Green #483 cloth covered loop

Binding Material: PIA-T-5038, Type III, 1", Class 2, Camouflage Green #483, 525# tensile strength

Stow Loop Reinforcements: PIA-T- 5038, Type IV, 1", Class 2, Camouflage Green #483, 1000# tensile strength

Stitching: Nylon Thread, V-T-295, Type I/II, Class A, Camouflage Green #483, Size E, FF, 3-C, 5-C, 6-C

**3. Pilot Chute, P/N 536803-1:**

Panel Material: Nylon Cloth, PIA-C-7020, Type I, 1.1 oz., ripstop, Camouflage Green #483, 36", 42# tensile strength warp and fill

**3. Pilot Chute, P/N 536803-1 (Cont):**

Suspension Line Material: Nylon Cord, PIA-C-5040, Type III, Camouflage Green #483, 550# tensile strength

Reinforcing Tapes: Nylon Tape, PIA-T-5038, Type V, 9/16" Camouflage Green #483, Class 2, 550# tensile strength

Hem Tape: Nylon Tape, PIA-T-5038, Type IV, 1", Camouflage Green #483, Class 2, 1000# tensile strength

Connector Link: PS 22002-1, Opt -2 or PS 70118-3, All 3000# proof load

Pilot Chute Stitching: Nylon Thread, V-T-295, Type I/II, Class A, Size E, Natural

**4. Deployment Line, 10 Ft., P/N 53D6805:**

Strap Material: Nylon Webbing, PIA-W-4088, Type VIII, 1-23/32", Class 2, Camouflage Green #483, 4000# tensile strength

Connector Link: PS 22002-1, Opt. -2 or PS 70118-3, All 3000# proof load

Deployment Line Stitching: Nylon Thread, V-T-295, Type I/II, Class A, 3-C, Camouflage Green #483/Natural

**5. Static Line, P/N 59J6171:**

Panel Material: Nylon Cloth, PIA-C-43375, Class 2, 12.5 oz., Camouflage Green #483, 800# warp tensile strength, 700# fill tensile strength

Strap Material: Nylon Webbing, PIA-W-27265, Type VIII, Class 2, 1-23/32", Camouflage Green #483, 4000# tensile strength

Tie Loop Material: Nylon Tape Webbing, PIA-W-5038, Type IV, 1", Camouflage Green #483, 1000# tensile strength

Panel Binding Material: Nylon Tape, PIA-T-5038, Type III, Class 2, 3/4" Camouflage Green #483, 400# tensile strength

Bridle Loop Material: Nylon Cord, PIA-C-7515, Type IV, 1000# tensile strength, Camouflage Green #483

**5. Static Line, P/N 59J6171 (Cont.):**

Clevis Assembly: PS 70086-1, 20,000# proof load with Pin and Tie Cord, PIA-C-5040, Type 1A, Camouflage Green #483, 100# tensile strength

Stitching: Nylon Thread, V-T-295, Type I/II, Class A, Camouflage Green #483, Size E, FF, 3-C

**6. Riser, P/N 51D6183; 51D6183-1:**

Strap and Buffer Material: Nylon Webbing, PIA-W-27265, Type X, 1-23/32", Camouflage Green #483, 9500# tensile strength, Class 2

Strap Keeper Material: Nylon Webbing, PIA-W-27265, Type VIII, 1-23/32", Camouflage Green #483, 4000# tensile strength, Class 2

Stitching: Nylon Thread, V-T-295, Type I/II, Class A, Camouflage Green #483, Size 6-C, Natural

Handstitching: Nylon Thread, V-T-295, Type I/II, Class A, Camouflage Green #483, Size 5-C

Log Pocket: P/N 11-1-2587, Camouflage Green Color assembled to -1 Riser only

All G-12D 64 Ft. Cargo Assemblies are manufactured using the latest revisions of material listed in Technical Data.

All G-12D 64 Ft. Cargo Assemblies' material color was changed to the new U.S. Army Camouflage Green #483 in 1995. All type VIII/X Cotton Webbing, PIA-W-5665, which is no longer available, was also replaced with Nylon Webbing, Type VII/X as noted in Technical Data, during 1995.

All G-12D 64 Ft. Cargo Assemblies are manufactured in strict accordance with Cargo Parachute U.S. Military Specifications MIL-DTL-7620 and MIL-STD-849, latest revisions.

All G-12D 64 Ft. Cargo Assemblies are preserved, packaged and packed in accordance with U.S. Military Specifications or customer's specific packaging instructions.

### **64 FT. DIAMETER G-12D CARGO PARACHUTE**

The 64 Ft. G-12D parachute was developed in the early 1950's primarily for medium capacity (approximately 2,000 lbs.) use in conjunction with the A-22 Aerial Delivery Cargo Bag. It is also used for platform airdrops and continues to be the only cargo parachute of this size which is readily available for military use. The G-12D canopy has 64 gores, each of which contains 5 panels, using the latest U.S. military patterns for 58" width material. The G-12D packed assembly weighs 130 lbs.

The static line panel, Cotton Duck Cloth, PIA-C-419, Type III, MRT, treated and the Cotton Webbing Tie Cord, PIA-W-5665, Type II, 1" MRT, was revised to Nylon Cloth Panel, MIL-C-43375 and Nylon Tape Tie Loops as noted in technical data by the U.S. Army in 2002 due to unavailability of Cotton Duck Cloth and Cotton Webbing. All other components are identical to the basic G-12D Assembly.

In its basic configuration, a single G-12D is capable of supporting an approximate 2,000# payload. Payloads up to 3500# maximum have been handled with a cluster of two G-12D's.

Additional load capacity can be obtained by installing a 57 Ft. center line, P/N 11-1-568, inside the 64 Ft. canopy packed in a new style Deployment Bag, P/N 11-1-3967, converts the G-12D Assembly to a G-12E Assembly, P/N 11-1-2620. All other components are identical on both assemblies.

The older Deployment Bag, P/N 54K6299 was replaced with the new deployment bag, P/N 11-1-3967-1, for the G-12D canopy packed assembly by the U.S. Army in 1991.

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