

CARGO DELIVERY PARACHUTE SYSTEMS

Cargo Delivery Parachutes are used for the safe and reliable aerial delivery of supplies and equipment by *Bundle Drop* (small weight), *Container Delivery Systems* (medium weight), and the *Platform Delivery Systems* (heavy weight). Irvin offers a variety of parachutes allowing its customers flexibility in weight and delivery method.

Irvin offers a complete-package solution to its customers covering every aspect of aerial cargo delivery - from a wide range of delivery systems, products, and services to technical support and training. An Irvin package can include all aerial delivery equipment (such as parachutes, containers, platforms, pallets, and consumables) together with all hardware necessary for reconfiguring aircraft to different roles. All parachutes are produced in accordance with the latest U.S. Army specifications.



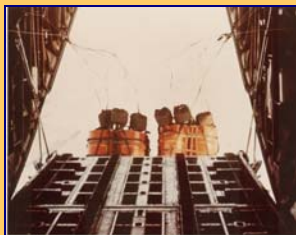
G-14 34-FT CARGO DELIVERY PARACHUTE ASSEMBLY

The G-14 is a 34-foot (10.3 m) diameter, flat circular Cargo Parachute Assembly designed primarily for use in the aerial delivery of supplies and equipment by the low-velocity, bundle drop delivery method. In this mode of delivery, the G-14 Cargo Parachute is rigged to a container and manually ejected from the aircraft door or ramp.

Additionally, the G-14 may be rigged in cluster configurations of two or more parachutes for use in Container Delivery Systems (CDS) drops.

Technical Specifications:

NATO Stock Number	: 1670-00-999-2658
Part Number	: 11-1-578
Packed Dimensions	: 16 in (40.6 cm) Length / 16 in (40.6 cm) Width / 15 in (38.1 cm) Height
Weight of Assembly	: 37 lbs (16.8 Kg)
Load Carrying Capacity	: Single Parachute: Min 250 lbs (113.4 kg) / Max 500 lbs (226.8 kg)
<u>Note:</u> Can be used in clusters of up to three parachutes to accommodate: Min 1001 lbs (454 kg) / Max 1500 lbs (680.4 kg)	



G-12 64-FT CARGO DELIVERY PARACHUTE ASSEMBLY

The G-12 is a 64-foot (19.4 m) diameter, flat circular Cargo Parachute Assembly designed primarily for use in the aerial delivery of supplies and equipment either by the Container Delivery System (CDS) or by the Platform Delivery System (PLADS). The G-12 is a heavy capacity parachute designed for the air delivery of bulk-type platform loads. In the CDS mode, a single G-12 Cargo Parachute Assembly is normally used in conjunction with a cargo container. In the PLADS mode of delivery, two or more G-12 cargo parachutes are rigged to a platform load in a multi-canopy cluster configuration.

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 CargoDelivery-0804



Technical Specifications:

Packed Dimensions : 35 in (88.9 cm) Length / 24 in (60.9 cm) Width / 12 in (30.5 cm) Height
 Weight of Assembly : 128 lbs (58 Kg)
 Load Carrying Capacity : Min 501 lbs (227 Kg) / Max 3500 lbs (1587.5 Kg)
 (depending upon air delivery load weight)
 Minimum Drop Altitude : 550 ft (167.64 m) AGL depending upon air delivery load weight.

Differing Characteristics	G-12D	G-12E
NSN	1670-00-893-2371	1670-01-065-3755
Part Number	55A6045	11-1-2620
Centerline	No Centerline	57 Ft centerline used to pull down canopy vent.



G-11 100-FT CARGO DELIVERY PARACHUTE ASSEMBLY

The G-11 is a 100-ft (30.3 m) diameter, flat circular Cargo Parachute Assembly designed primarily for use in the aerial delivery of supplies and equipment by the Heavy-Drop, Platform Delivery System (PLADS). In this mode of delivery, the G-11 Cargo Parachute is rigged to the platform load either singularly or, depending upon the load's all-up weight, in cluster configurations of up to eight parachutes. A heavy capacity parachute, designed for the air delivery of vehicular and bulk loads, it is capable of supporting up to 42,000-lbs (19,050 kg), when in a cluster of eight. It can be used singularly or in clusters of two or more and can be dropped from minimum altitudes of 700 ft AGL (213.36 m) – 1300 ft AGL (396.24 m), depending upon air delivery load weight.

Technical Specifications:

Total Weight (packed for use) : 250 lbs (113.4 kg)
 Dimensions (packed for use) : 48-5/16 in (123 cm) Length / 35-1/2 in (90.17 cm) Width /
 12 in (30.48 cm) Height
 Cube (packed for use) : 11.9 cubic feet

Differing Characteristics	G-11B	G-11C	G-11D
NSN	1670-01-016-7841	1670-01-016-7841	1670-01-016-7841
Part Number	11-1-2566	11-1-2566	11-1-2566
Centerline and Cutters	Uses 100-foot centerline to pull down canopy vent and four M-21 reefing line cutters with a 2 second delay	Uses 100-foot centerline to pull down canopy vent and two M-21 reefing line cutters with a 2 second delay.	No centerline. Uses four M-21 reefing line cutters with a 2 second delay.
Reefing Line Length	16-1/2-Feet	10-Feet	12-Feet
Reefing Line Material	1/2-inch-wide tubular nylon webbing	Type IV coreless nylon cord	1/2-inch-wide tubular nylon webbing