



CARGO DELIVERY SYSTEM

Products catalogue

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NOMENCLATURE: BAG, CARGO, AERIAL DELIVERY, CONTAINER ASSEMBLY A-22

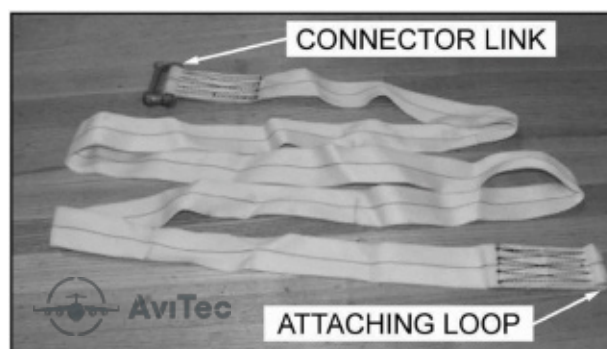
DESCRIPTION: Adjustable container consisting of a sling, a cover, four cover lacing cords, and four suspension webs. Capacity: 2,200 lb. The sling is made of Type VII nylon webbing sewn to a rectangular scuff pad made from 29.93 ounce nylon duck cloth. The cover is made from 29.93 ounce nylon duck cloth. The cover lacing cords are made of 0.25-inch diameter Type I nylon cord and are 11 feet long. The suspension webs are made from Type VIII nylon webbing. Each web is 27.50-inches long with a connector snap fixed at one end and a d-ring fixed to the opposite end. (Plywood Skid Board P/N 11-1-1394-2 not included) Weight: 38 lbs.

NSN: 1670-00-587-3421

P/N: 50B7702

APPLICABLE MILITARY SPECIFICATION/STANDARD: MIL-C-7554

**APPLICABLE MILITARY TECHNICAL REFERENCE: TM 10-1670-298-23&P
FM 4-48.03 / TO 13C7-1-11**



NOMENCLATURE: DEPLOYMENT LINE, 111 INCH

DESCRIPTION: Material: Webbing, Type VIII, Natural (MIL-W-4080). Connector Link, Parachute (PS22002-2). Used in conjunction with the 68 inch Pilot Parachute and G-12 Cargo Parachute.

NSN: 1670-00-218-1185

P/N: 53D6805

APPLICABLE MILITARY TECHNICAL REFERENCE: TM 10-1670-281-23&P / TO 13C5-32-2&P

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<h1 style="margin: 0;">PRODUCT DATA SHEET</h1>		
<h2 style="margin: 0;">ELECTROMECHANICAL DEREEFER DEVICE</h2>		
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>Electro Mechanical Dereefer</p> </div> <div style="text-align: center;">  <p>Components of the Electro Mechanical Dereefer</p> </div> </div>		
<div style="display: flex; justify-content: space-between;"> <u>MODEL NUMBER:</u> DM-500 <u>PART NUMBER:</u> DM-10000B <u>NSN:</u> 1670-01-630-0376 </div> <p><u>USE:</u> The Electro Mechanical Dereefing Device allows for the dereefing of G-11 A/B/C cargo parachute canopies</p> <p><u>DESCRIPTION:</u> The Electro Mechanical Dereefing Device is a reusable component that replaces the 1377-M500 (M-21), and MLU-58/B Pyrotechnic Reefing Line Cutter. This device uses a fabricated, re-usable segmented reefing line. Also used with special applications on other selected airdrop systems. Major components: main body, arming pin, time setting arm, arming wire and arming screw. Uses standard mounting bracket provided on the parachute.</p> <p><u>OPERATION:</u> The device works when the canopy of a G-11 A/B/C cargo parachute is deploying from the deployment bag. The device is mounted in the same brackets as the M-21 reefing line cutters, located on the special reinforced panels near the skirt of the canopy. During the deployment phase, the arming wire secured to the deployment bag is pulled. The device retracts the shaft after the preset 2-second delay for the G-11 A/B/C, allowing the looped ends of the segmented reefing lines to be free to dereef the canopy skirt. Two devices are required for the G-11 A/C and four devices for the G-11B cargo parachutes. This device has a fixed 2-second delay.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p><u>LEADING PARTICULARS:</u></p> <p>Model Number: DM-500</p> <p>As per attached drawing</p> <p>Delay Range: 2 seconds</p> <p>Part No.: DM-10000B</p> </div> <div style="width: 45%;"> <p><u>WARRANTED USE</u></p> <p>50 operational uses or 3 years (whatever occurs first)</p> <p>Battery shelf life: 5 years</p> <p>No battery replacement over life of unit</p> </div> </div>		
		<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> NCAGE 06UL7 </div>



NOMENCLATURE: EXTRACTION FORCE TRANSFER ASSEMBLY

DESCRIPTION: Where Used: Extraction system component, Type V airdrop platform. Proof Load: 60,000 lb. Major Components: Latch assembly, 11-1-1725; Actuator assembly, 11-1-1737; Cable assembly: 11-1-2061-1 through -5; Link assembly, 11-1-1715; Link assembly adapter, 11-1-1721; Connector assembly, 11-1-3924.

SPECIAL NOTE: 11-1-1721 Link Assembly Adapter is supplied only with P/N 11-1-2060-4 or -5

NSN: 1670-00-434-5783	P/N: 11-1-2060-1 (with 12 ft cable)
NSN: 1670-00-434-5785	P/N: 11-1-2060-2 (with 16 ft cable)
NSN: 1670-00-434-5787	P/N: 11-1-2060-3 (with 20 ft cable)
NSN: 1670-00-434-5782	P/N: 11-1-2060-4 (with 24 ft cable)
NSN: 1670-01-326-7309	P/N: 11-1-2060-5 (with 28 ft cable)

APPLICABLE MILITARY TECHNICAL REFERENCE: TM 10-1670-296-20&P / TO 13C7-49-2
FM 4-20.102 / TO 13C7-15

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NOMENCLATURE: PARACHUTE, CARGO, TYPE G-11B/ C/ D

DESCRIPTION: Type Of Canopy: Flat, circular. Size: 100 ft diameter. Load Capacity: 2,270 - 5,000 lb. . Canopy Fabric: Cloth, nylon, MIL-C-7020, 1.6 oz. /yd², Type III. Suspension Lines: Material: Cord, nylon, MIL-C-5040, Type III. Number: 120 each. Special Features: Can be clustered in 2 - 8 parachutes for loads up to 42,000 lbs. Centerline for vent pull-down. Reefing consists of 0.50-inch tubular nylon in four sections for the G-11B configuration and four M21 pyrotechnic dereefing cutters, or 4 each DM-2/DM-500 electro-mechanical dereefers, which are sold separately. A secondary reefing system consists of 0.50-inch tubular nylon in two sections for the G-11C configuration and two M-21 pyrotechnic, 2-second dereefing cutters, or two each DM-2/DM-500 electro- mechanical dereefers, which are sold separately. Typical Deployment Speed: 140 knots IAS. Altitude: 700 ft. - 1,500 ft. AGL. Weight of Assy: 250 lbs.

NSN: 1670-01-016-7841

P/N: 11-1-2566

Difference between models:

Model: Difference:

G-11B: Uses 100-foot centerline to pull down canopy vent and four M-21 reefing line cutters with 2-second delay. **G-**

11C: Uses 100-foot centerline to pull down canopy vent and two M-21 reefing line cutters with 2-second delay. **G-**

11D: No centerline. Uses four M-21 reefing line cutters with 2-second delay.

NOTE: THE G-11 B/ C/ D DOES NOT COME SUPPLIED WITH THE LARGE CLEVIS ASSY. FOR THE PARACHUTE RISERS.

Clevis, Large: NSN: 4030-00-090-5354

P/N: MS70087-3, PS70087-3

**APPLICABLE MILITARY TECHNICAL REFERENCE: TM 10-1670-280-23&P / TO 13C5-31-2
FM 4-20.102 / TO 13C7-1-5**

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NOMENCLATURE : PARACHUTE, CARGO, TYPE G-12D/E

DESCRIPTION: Type Of Canopy: Flat, circular. Size: 64 ft. diameter. Load Capacity: 501 lbs. to 2,200 lbs. or 3,500 lbs. in a cluster of two parachutes. Canopy Fabric: Cloth, Nylon, 2.25 oz. /yd², Suspension Lines: Material: Cord, nylon, PIA-C-7515, Type IV. Number: 64 each. Includes 57 ft. Centerline for pull-down vent, 68 inch pilot chute and deployment bag assembly, P/N 11-1-2566. Typical Deployment Speed: 140 knots IAS. Altitude: 550 ft. AGL (minimum). Weight: 128 lbs.

G-12D NSN: 1670-01-065-3755

P/N: 11-1-2620

Difference between models:

Model: Difference:

G-12D: No Centerline

G-12E: Uses a 57 ft. Centerline to pull down canopy vent

NOTE: THE 111 INCH DEPLOYMENT LINE MUST BE ORDERED SEPARATELY

APPLICABLE MILITARY TECHNICAL REFERENCE TM 10-1670-281-23&P / TO 13C5-32-2

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NOMENCLATURE: LINE, MULTI-LOOP, CONCENTRIC TYPE

DESCRIPTION: Nylon webbing, Type XXVI, 1-3/4-inch wide

SEE CHART BELOW FOR DETAILS

APPLICABLE MILITARY SPECIFICATION/STANDARD: PIA-W-4088

**APPLICABLE MILITARY TECHNICAL REFERENCE: TM 10-1670-296-20&P / TO 13C7-49-2
FM 4-20.102 / TO 13C7-1-5**

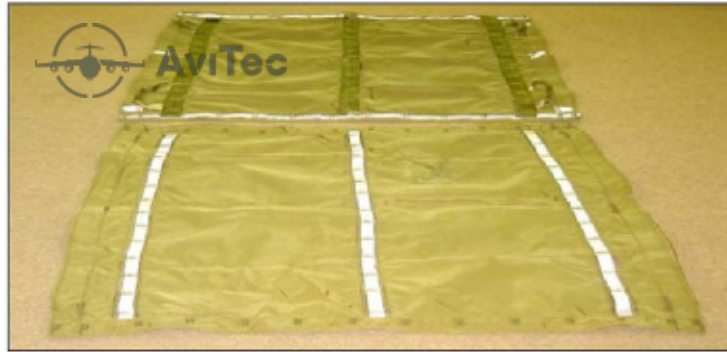
PART NO.	NSN	LENGTH	LOOP	TEST LOAD
68F217-48	1670-01-062-6301	3 FT.	2	44,500
68F217-49	1670-01-062-6304	9 FT.	2	44,500
68F217-58	1670-01-063-7760	11 FT.	2	44,500
68F217-50	1670-01-062-6303	12 FT.	2	44,500
68F217-22	1670-01-063-7761	16 FT.	2	44,500
68F217-51	1670-01-062-6302	20 FT.	2	44,500
68F217-52	1670-01-062-6306	3 FT.	4	89,000
68F217-53	1670-01-062-6305	9 FT.	4	89,000
68F217-59	1670-01-062-6310	11 FT.	4	89,000
68F217-54	1670-01-062-6307	12 FT.	4	89,000
68F217-55	1670-01-062-6308	16 FT.	4	89,000
68F217-56	1670-01-064-4453	20 FT.	4	89,000
68F217-57	1670-01-062-6309	28 FT.	4	89,000
68F217-47	1670-01-064-4451	36 FT.	1	22,500

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PART NO.	NSN	LENGTH	LOOP	TEST LOAD
68F217-45	1670-01-064-4452	60 FT.	1	22,500
68F217-30	1670-01-062-6313	60 FT.	3	67,500 135,000
68F217-32	1670-01-064-4454	60 FT.	6	
68F217-41	1670-01-062-6311	120 FT.	2	44,500
68F217-33	1670-01-062-6312	120 FT.	6	135,000
68F217-60	1670-01-107-7651	140 FT.	3	67,500
68F217-61	1670-01-107-7652	160 FT.	1	22,500
68F217-38	1670-00-040-8187	215 FT.	1	22,250
68F217-37	1670-00-040-8185	215 FT.	2	44,500
68F217-39	1670-00-040-8194	215 FT.	3	67,500
68F217-35	1670-00-040-8184	215 FT.	6	135,000



NOMENCLATURE: SLING, EXTRACTION LINE, PANEL (LINE BAG)

DESCRIPTION: Where Used: Is a universal panel that stows extraction lines and suspension slings for deployment. One or two panels are required depending upon their application. The body is made from nylon duck cloth. Three reinforcement straps are used and are located in the center and outside of the body at positions 3-1/2-inches from each side of the body. Three tie-down straps with 12 each tie strap loops are also used and are located in the center and inside of the body at positions which are the same as the reinforcement straps. Four strap handles are located on the outside of the body. Two closing straps are located at each side of the body. Six closing loops are used; three on the outside and three on the inside of the body. Special Features: Accommodates extraction line and suspension slings, portable, used with all approved extraction line for C-130 and C-17 aircraft. Equipment Data: Length: 41 inches. Width: 38 inches. Material: Cloth, duck, nylon, 12.5 oz. Weight: 2 lb.

NSN: 1670-01-183-2678

P/N: 11-1-2881

**APPLICABLE MILITARY TECHNICAL REFERENCE: TM 10-1670-286-20 / TO 13C5-2-41
FM 4-20.102 / TO 13C7-1-5**

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NOMENCLATURE: RELEASE, M1, CAPACITY 16,000 LB

DESCRIPTION: Where Used: Suspension component with Type V airdrop platform. Load Capacity: 16,000 lb. suspended load rating. Material: Alloy steel forging, or optionally machining. Major Components: Front and back plates, delay timer assembly, lower suspension links, parachute connectors (new unit ships with 4 each), upper suspension link, lanyard with arming wire. Weight: Approximately 41 lbs.

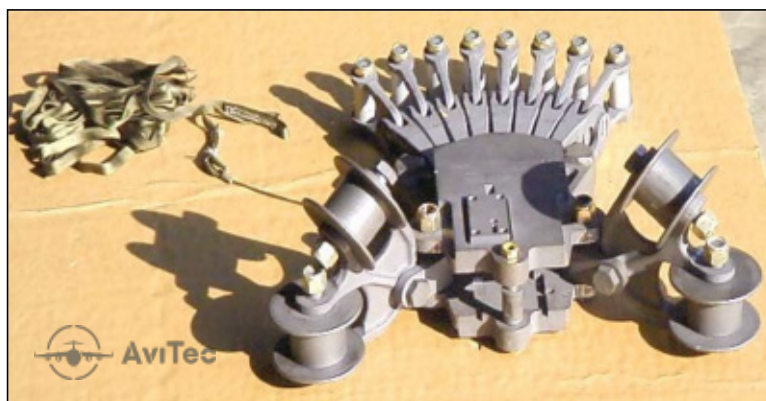
NSN: 1670-01-097-8816

P/N: 11-1-1487-2

APPLICABLE MILITARY SPECIFICATION/STANDARDS: PS70087

APPLICABLE MILITARY TECHNICAL REFERENCE: TM 10-1670-296-20&P / TO 13C7-49-2

FM 4-20.102 / TO 13C7-1-5



NOMENCLATURE: RELEASE, M2, CAPACITY 42,000 LB (UPGRADED VERSION)

DESCRIPTION: Where Used: Suspension component, Type V airdrop platform. Load Capacity: 42,000 lb. Major Components: Front and back plates, delay timer assembly, lower suspension links, parachute connectors (8 each), upper suspension link, lanyard with arming wire. Weight approximately 73 lbs.

NSN: 1670-01-097-8817

P/N: 11-1-565-2

APPLICABLE MILITARY TECHNICAL REFERENCE: TM 10-1670-296-20&P / TO 13C7-49-2

FM 4-20.102 / TO 13C7-1-5

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TALON Parachute Release

Talon Description:

Wamore's Talon Parachute Release ("ACPRS" - Advanced Cargo Parachute Release System) uses an innovative and unique methodology for separating a canopy or canopies from their payload only after the payload has been safely delivered to the DZ. Talon's advanced sensor suite & algorithm brings unparalleled reliability lacking in other parachute releases. The Talon PR has been selected by the US Army as the replacement for the existing M1 / M2 parachute releases that have been in use for 40+ years.

While Talon PR is advanced, the user is presented a device that is simple to operate and easy to understand, incorporating components, nomenclature, and rigging techniques that (s)he will already be familiar with from training on the current M1 / M2 release.

Talon Vital Statistics:

The Talon presents a modular approach to Parachute Release solutions. A single Talon is capable of managing up to 5 G-11 parachutes.

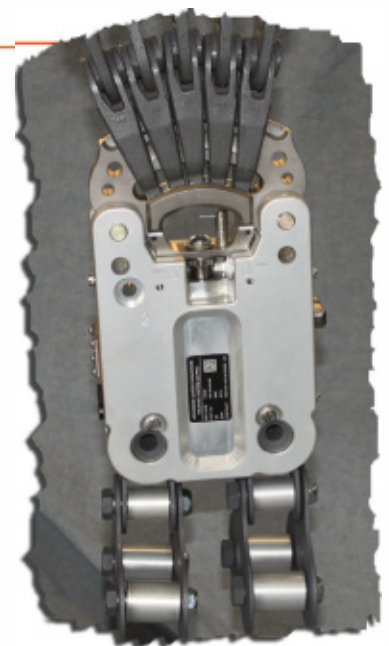
Talon -1 Configuration:

• Capacity	0 - 25,000lbs	(0 - 11,350kg)
• Gross Weight	32lbs	(14.5kg)
• Length	19"	(48cm)
• Height	6.6"	(17cm)
• Width	8.3"	(21cm)

Two Talon Parachute Releases can be attached together in less than 5 minutes using simple hand tools and the Talon -2 Assembly Kit.

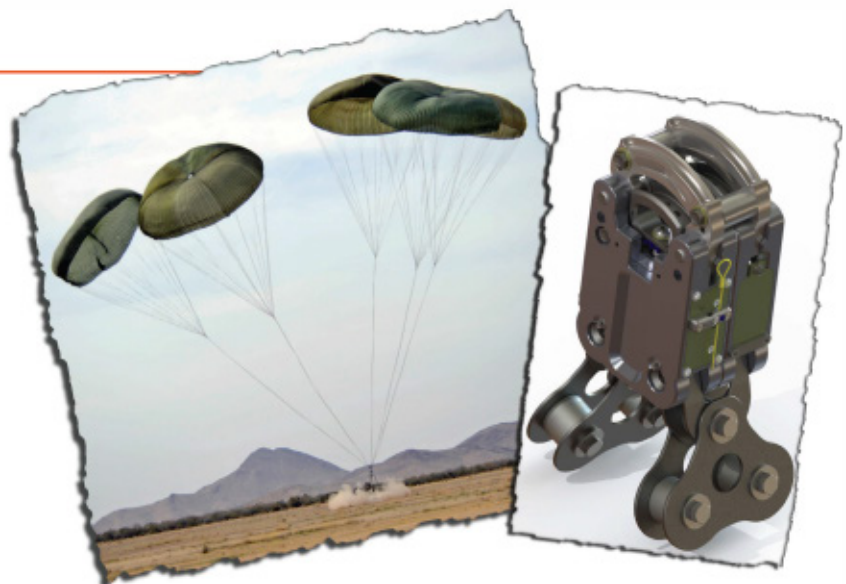
Talon -2 Configuration:

• Capacity	25,001 - 40,000lbs	(11,350kg - 18,182kg)
• Gross Weight	63lbs	(28.6kg)
• Length	21"	(53cm)
• Height	8.375"	(21cm)
• Width	8.5"	(22cm)



Talon Capabilities / Special Features:

- Weight 0 - 40,000lbs
- Altitude As low as 500'
- Speed 90 - 150KIAS
- Omni - directional
- Modular Design
- No consumables or pyrotechnics



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M-1, M-2, TIMER DELAY ASSEMBLY



NOMENCLATURE: TIMER DELAY ASSEMBLY

DESCRIPTION: Timer Delay: 12-16 seconds. Where Used: In the M-1 and M-2 cargo parachute release. Major Components: Housing, cover, toggle, keys, pin, mounting block assembly, timer and stem assembly.

NSN: 1670-01-099-2380
PN: 11-1-894-1

REPLACES NSN: 1670-00-400-2772
REPLACES P/N 11-1-894

APPLICABLE MILITARY TECHNICAL REFERENCE:
TM 10-1670-296-20&P/T.O. 13C7-49-2

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NOMENCLATURE: PLATFORM, AIRDROP, TYPE V, 108 INCH

DESCRIPTION: The 108 inch Type V airdrop platform is a modular component constructed, aluminum extrusion structure used for airdropping loads ranging from 2,500 lb. to 42,000 lb. from aircraft having the 463L-standard dual rail restraint systems. (60,000 lb. have been dropped using large aircraft.) A vented version is used to drop loads onto water. This platform is LAPES qualified.

8 FT.	NSN: 1670-01-530-0984	P/N: 11-1-2780-1
12 FT.	NSN: 1670-01-530-0985	P/N: 11-1-2780-2
16 FT.	NSN: 1670-01-530-0986	P/N: 11-1-2780-3
20 FT.	NSN: 1670-01-550-6787	P/N: 11-1-2780-4
24 FT.	NSN: 1670-01-550-6786	P/N: 11-1-2780-5
28 FT.	NSN: 1670-01-550-6788	P/N: 11-1-2780-6
32 FT.	NSN: 1670-01-550-6789	P/N: 11-1-2780-7

***Vented platform assemblies use same part number as nonvented**

Platform Assembly Weights (approximate):

Load Capacity:

8-ft	820 lb.
12-ft	1,220 lb.
16-ft	1,590 lb.
20-ft	1,950 lb.
24-ft	2,280 lb.
28-ft	2,820 lb.
32-ft	3,056 lb.

Low Velocity Airdrop (LVAD): 2,500 - 42,000 lb.

Low Altitude Parachute Extraction System (LAPES): 6,700 - 42,000 lb.

Note: Weights Include Platform Assembled with: Four Each Tandem, Or Suspension Links One Each Extraction Bracket
One Nose Bumper No Tiedown Clevises Included.

APPLICABLE MILITARY SPECIFICATION/STANDARD: (NONE)
(Previous specification MIL-P-44115 was cancelled.)

APPLICABLE MILITARY TECHNICAL REFERENCE: TM 10-1670-268-23&P / TO 13C7-52-22
FM 4-20.102 / TO 13C7 1-5

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PARACHUTE RELEASE STRAP WITH KNIFE



NOMENCLATURE: MULTI-CUT, STRAP, WEBBING, PARACHUTE RELEASE

DESCRIPTION: Length: 11 feet. Where Used: Extraction System Component, Type V airdrop platform. Major Components: 3 each Guillotine Knife, 65C1630 {Each of which is comprised of: 1 each Strap Assembly (body) [comprised of: 1-inch wide woven nylon per MIL-W-27657B, Type I (cancelled), (Note 1: MIL-W-27657 was canceled 3 June 1988 and superseded by AMS 3718), (Note 2: MIL-W-27657B was cancelled May 1997 and replaced with PIA-W-4088, Type XVIII, CL 1A); 3 each Knife Strap Buffers per PIA-W-4088 treated to 27265 condition R}.

NSN: 5340-00-040-8219 PN: 11-1-484-2
(Without knives PN: 11-1-484-1)

APPLICABLE MILITARY TECHNICAL REFERENCE: FM 10-500-2 / TO 13C7-1-5

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