

Type V Aerial Delivery Platform

TYPE V HEAVY DUTY EXTRUDED ALUMINUM AIRDROP PLATFORM

The Type V Heavy Duty Extruded Aluminum Airdrop Platform was developed by the U.S. Department of Defense to replace the A/E 29H-1 (LAPES) and the Type II (LVAD) airdrop platforms. Because of its durability and survivability, it is now used in the U. S. and other nations without modifications for low velocity airdrops from all cargo aircraft types equipped with the 463L-type rail cargo handling system (A400M, C-130, C-2, C-5, C-17, C-27J, C-390, and CN-295). The platform is available in vented and nonvented configurations.

ADVANTAGES

Modular design ensures ease of logistical support and maximum adaptability to mission requirements by providing seven different platform lengths. Replaced both Type II and Type IV platforms in the U.S. inventory and most Aerial Delivery Operators worldwide. Main panels are constructed of 6061-T6 aircraft grade aluminum in a vertical web design plus an interlocking joint between panels, providing exceptional strength and resistance to bending. Single point platform extraction of up to 42,000 lbs. (19,051 kg) payloads. Interfaces with cargo aircraft equipped with either 88 inch (223.5 cm) or 108 inch (274 cm) wide cargo handling systems. Roller pads interface with floor mounted roller conveyor systems providing additional strength while protecting the underside of the platform. Designed to accommodate future advances in airdrop technology.

COMPONENTS

- Main Panels
- Rear Panels
- Roller Pads
- Tie Down Clevises*
- Side Rails
- EFTA Brackets
- Tandem Links
- Suspension Links
- Nose Bumper* (LAPES)
- Extraction Bracket (LVAD)
- Panel Tiedown Rings

TECHNICAL REFERENCES

- Technical Manual
10-1670-268-20&P
- Technical Manual 4-48.2

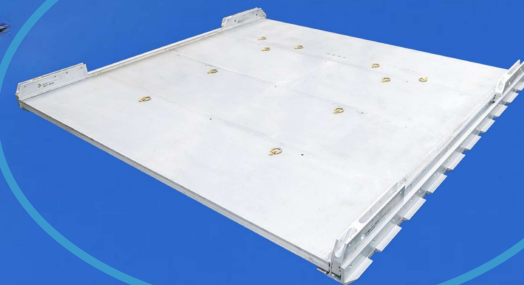
*optionally quoted item

TYPE V PLATFORMS		
PART #	LENGTH	NSN
108 INCHES WIDE		
11-1-2780-1	8 FT	1670-01-594-9400
11-1-2780-2	12 FT	1670-01-530-0985
11-1-2780-3	16 FT	1670-01-530-0986
11-1-2780-4	20 FT	1670-01-550-6787
11-1-2780-5	24 FT	1670-01-550-6786
11-1-2780-6	28 FT	1670-01-550-6788
11-1-2780-7	32 FT	1670-01-550-6789
88 INCHES WIDE		
C97-2780-88-1	8 FT	
C97-2780-88-2	12 FT	
C97-2780-88-3	16 FT	
C97-2780-88-4	20 FT	
C97-2780-88-5	24 FT	
C97-2780-88-6	28 FT	
C97-2780-88-7	32 FT	

PRODUCT DATA SHEET

Type V Aerial Delivery Platform

11-1-2780 (Rev U) PLATFORM, AIRDROP TYPE V										
PART LISTING FOR TYPE V PLATFORMS			SIZE	8'	12'	16'	20'	24'	28'	32'
			DASH NUMBER	-1	-2	-3	-4	-5	-6	-7
NSN	PART NUMBER	DESCRIPTION	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY
1670-01-168-8398	11-1-2781-1	REAR PANEL ASSY	1	1	1	1	1	1	1	1
1670-01-168-8397	11-1-2781-2	MAIN PANEL ASSY	3	5	7	9	11	13	15	
1670-01-162-2371	11-1-2793-1	SIDE RAIL 8'	2							
1670-01-162-2370	11-1-2793-2	SIDE RAIL 12'		2						
1670-01-162-2369	11-1-2793-3	SIDE RAIL 16'			2					
1670-01-162-2368	11-1-2793-4	SIDE RAIL 20'				2				
1670-01-162-2366	11-1-2793-5	SIDE RAIL 24'					2			
1670-01-162-2367	11-1-2793-6	SIDE RAIL 28'						2		
1670-01-162-9174	11-1-2793-7	SIDE RAIL 32'								2
1670-01-162-2386	11-1-2795-1	ROLLER PAD 8'	4							
1670-01-162-2383	11-1-2795-2	ROLLER PAD 12'		4						
1670-01-162-2382	11-1-2795-3	ROLLER PAD 16'			4					
1670-01-162-2387	11-1-2795-4	ROLLER PAD 20'				4				
1670-01-162-2388	11-1-2795-5	ROLLER PAD 24'					4			
1670-01-162-2389	11-1-2795-6	ROLLER PAD 28'						4		
1670-01-162-2385	11-1-2795-7	ROLLER PAD 32'								4
1670-01-162-2381	11-1-2798-1	TANDEM LINK ASSY	4	4	4	4	4	4	4	4
1670-01-247-2389	11-1-2798-2	SUSPENSION LINK ASSY				4	4	4	4	4
1670-01-247-2376	11-1-2871	EXTRACTION BRACKET ASSY	1	1	1	1	1	1	1	1
HARDWARE KIT INCLUDES										
1670-01-162-2374	11-1-3175	OUTSIDE BRACKET EFTA	1	1	1	1	1	1	1	1
1670-01-162-2375	11-1-2872	INSIDE BRACKET EFTA	1	1	1	1	1	1	1	1
5365-01-162-2384	11-1-2792	SIDE RAIL BUSHINGS	32	48	64	80	96	112	128	
5306-00-638-7718	AN8-31A	BOLT .500-20 (SIDE RAIL)	32	48	64	80	96	112	128	
5306-01-140-6356	B1821BH038F125L	HEXHD SCREW .375-24UNF-2A X 1.25 LG (ROLLER PAD)	64	96	128	160	192	224	256	
5306-00-180-1489	AN6-17A	BOLT .375-24 (BRACKET, EFTA)	2	2	2	2	2	2	2	2
5306-01-076-3146	AN17-26	BOLT, 1.000-12 (TAND LINK)	2	2	2	2	2	2	2	2
5306-00-527-4240	AN10-36A	BOLT, .625-18 (EXTRACTION BKT)	4	4	4	4	4	4	4	4
5310-00-057-7151	MS21044-N16	NUT, SELF LK 1.000-12	2	2	2	2	2	0	0	0
5310-00-950-0039	MS21044-N6	NUT, SELF LK .375-24	2	2	2	2	2	2	2	2
5310-00-982-6809	MS21044-N10	NUT, SELF LK .625-18	4	4	4	4	4	4	4	4
5310-00-167-0821	NAS1149F0663P	WASHER,FLAT .390 ID	68	100	132	164	196	224	260	
5310-01-396-8392	NAS1149F0863P	WASHER,FLAT .515 ID	32	48	64	80	96	112	128	
5310-01-408-2779	NAS1149F1063P	WASHER,FLAT .640 ID	8	8	8	8	8	8	8	8
5310-01-397-1798	NAS1149F1690P	WASHER,FLAT 1.015 ID	4	4	4	4	4			
1670-01-162-9156	11-1-2780-10	NOSE BUMPER COMPONENT ASSY	QUOTE ON REQUEST							
1670-01-162-2372	11-1-2801	CLEVIS ASSY	QUOTE ON REQUEST							



Type V Sub-system Assemblies

PART NO: 11-1-2780-8 PANEL, MAIN-COMPONENT ASSEMBLY

NSN 1670-01-304-3006

QTY REQ'D	PN	NOMENCLATURE OR DESCRIPTION
1	11-1-2781-2	PANEL, ASSEMBLY MAIN
8	11-1-2792	BUSHING, SIDE RAIL
8	AN8-31A	BOLT, MACH HEX HD, .500-20UNF-3A X 3.21
16	B1821BH038F125L	SCREW, CAP, HEX HD, SELF-LOCKING, ZINC COATED, .375-24UNF-2A X 1.25" LG PER ANSI B18.2.1
8	NAS1149F0863P	WASHER, FLAT. 515 ID
16	NAS1149F0663P	WASHER, FLAT. 390 ID

PART NO: 11-1-2780-9 PANEL, REAR-COMPONENT ASSEMBLY

NSN 1670-01-304-1057

QTY REQ'D	PN	NOMENCLATURE OR DESCRIPTION
1	11-1-2781-1	PANEL, ASSEMBLY REAR
8	11-1-2792	BUSHING, SIDE RAIL
8	AN8-31A	BOLT, MACH HEX HD, .500-20UNF-3A X 3.21
16	B1821BH038F125L	SCREW, CAP, HEX HD, SELF-LOCKING, ZINC COATED, .375-24UNF-2A X 1.25" LG PER ANSI B18.2.1
8	NAS1149F0863P	WASHER, FLAT. 515 ID
16	NAS1149F0663P	WASHER, FLAT. 390 ID

PART NO: 11-1-2780-10 NOSE BUMPER COMPONENT ASSEMBLY

NSN 1670-01-353-8423

QTY REQ'D	PN	NOMENCLATURE OR DESCRIPTION
1	11-1-2797	NOSE BUMPER
3	AN-632A	BOLT, MACH HEX HD .375-24UNF-3A X 3.32
6	NAS1149F0663P	WASHER, FLAT .390 ID
3	MS21044-N6	NUT, HEX SELF-LOCKING .375-24UNJF-3B

PART NO: 11-1-2780-11 EXTRACTION BRACKET COMPONENT ASSEMBLY

NSN 1670-01-353-8424

QTY REQ'D	PN	NOMENCLATURE OR DESCRIPTION
1	11-1-2871	EXTRACTION BRACKET ASSEMBLY
4	AN10-36A	BOLT, MACH HEX HD, .625-18UNF-3A X 3.89
4	MS21044-N10	NUT HEX SELF-LOCKING .625-18UNJF-3B
8	NAS1149F1063P	WASHER, FLAT .64 ID

PART NO: 11-1-2780-12 EFTA BRACKET COMPONENT ASSEMBLY

NSN 1670-01-353-8425

QTY REQ'D	PN	NOMENCLATURE OR DESCRIPTION
1	11-1-3175	BRACKET, OUTSIDE, EFTA
1	11-1-2872	BRACKET, ASSEMBLY, INSIDE, EFTA
2	AN6-17A	BOLT, MACH HEX HD .375-24UNF-3A X 1.95
4	NAS1149F0663P	WASHER, FLAT .390 ID
2	MS21044-N6	NUT, HEX SELF-LOCKING .375-24UNJF-3B

