

MCAS-UH - MISSION CONFIGURABLE AIRCRAFT SYSTEM



LAND



AIR



SEA

MISSION CONFIGURABLE AIRCRAFT SYSTEM (MCAS-UH)

The Dillon Aero Mission Configurable Aircraft System (MCAS-UH) offers numerous configurations allowing for any combination of both Fixed Forward, outboard weapons/storage locations, and internally mounted Crew-Served Weapons without any aircraft modifications. Both internal and external weapons stations can be mounted on the cross-cabin floor plate system, which swings out of the way when not in use. Two 3,000- or 4,000-round magazines may be accommodated with the M134D gun systems.



Left side stations with Fixed Forward and Crew-Served M134D-H miniguns



Outboard station with an M260 rocket pod (also showing the mount with an M240/MAG58)



Kick-out weapon mount with an M134D retracted



Kick-out weapon mount with an M134D deployed

MCAS - UH ARMAMENT OPTIONS

(4-WEAPON STATION CONFIGURATION)



GUNS: M134, 7.62mm; M240, 7.62mm; M60, 7.62mm; PKM, 7.62mm; GAU-19, .50 BMG (12.7 x 99)

ROCKETS: M260, 7 shot, 70mm / 2.75" FFAR; M261, 19 shot, 70mm / 2.75" FFAR; LWL12, 12 shot, 70mm / 2.75" FFAR

FEATURES

- Internally mounted Crew-Served options
 - Kick-out mount supports any two of the M134D, M240/MAG58, PKM, or M60
 - Both Crew Served options may retract/fold/swing back into the cabin, allowing closure of cabin doors
- Externally mounted Fixed Forward options
 - Outboard stations (14" NATO bomb rack on each side)
 - Fixed Forward Hard Back M134D Weapon System
 - Rocket pod (7-, 12- or 19-tube)
 - Total outboard station capacity of 800 pounds
 - Outboard station arms may fold upwards, reducing overall aircraft footprint for storage or transport
 - Compatible with dual M134D Miniguns, dual M260 rocket pods, dual .50 caliber pods, or a combination of guns and rockets

The Dillon Aero MCAS-UH is currently in service with the U.S. and foreign militaries, as well as in government service branches.

MISSION CONFIGURABLE AIRCRAFT SYSTEM (MCAS-UH)
PART NUMBER: MCASUH1000
NSN: PENDING

MCAS - UH SYSTEM WEIGHTS

UH-1H Max 9500 lb (4309 kg)

Weight MCAS - UH		
2 X M134D-H Crew-Served Door Guns		
2 X M260 70mm Rocket Launchers		
	LB	KG
Empty	5,245.0	2,379.1
MFAS (mount only)	273.8	124.2
MCAS armed with: 2 x M134D-H Crew-Served door guns & 2 x M260 70mm Rocket Launchers	596.8	270.7
MCAS armed and loaded with: 6,000 rounds 7.62mm & 14 x H163 10# FFAR	1,292.8	586.4
Fuel	1,404.0	636.8
Weight No Crew (subtotal)	7,941.8	3,602.3
Crew x 4	1,000.0	453.6
Total (mount, guns, ammunition, and crew)	8,941.8	4,055.9
Available Payload	558.2	253.2

*FOR SYSTEM WEIGHT ESTIMATION ONLY.

Huey II Max 10500 lb (4763 kg)

Weight MCAS - UH		
2 X M134D-H Crew-Served Door Gun		
1 X Gun Pod Weapon System		
1 X M261 70mm Rocket Launcher		
	LB	KG
Empty (Estimated)	5,440.0	2,467.5
MCAS (mount only)	273.8	124.2
MCAS armed with: 2 x M134D-H Crew-Served door guns, 1 x Gun Pod Weapon System & 1 M261 70mm Rocket Launcher	768.1	348.5
MCAS armed and loaded with: 9,000 rounds 7.62mm & 19 x H163 10# FFAR	1,766.1	801.3
Fuel	1,404.0	636.8
Weight No Crew (subtotal)	8,610.1	3,905.6
Crew x 4	1,000.0	453.6
Total (mount, guns, ammunition, and crew)	9,610.1	4,359.2
Available Payload	889.9	403.8

*FOR SYSTEM WEIGHT ESTIMATION ONLY.



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