

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 crosscabin 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)



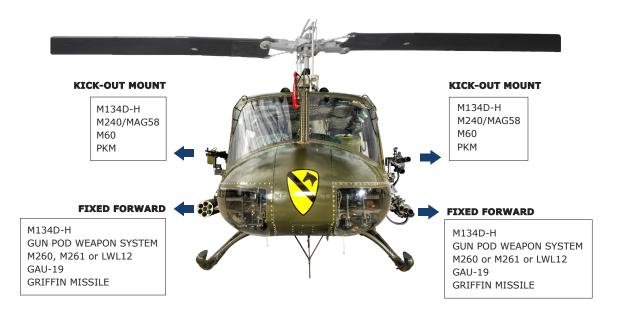
Kick-out weapon mount with an M134D retracted



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

phs Courtesy of U.S. Department of Defense DADS0047-03-22-1

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 Do	or Gun	
1 X Gun Pod Weapon Syst	em	
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.



Dillon Aero, Inc.