

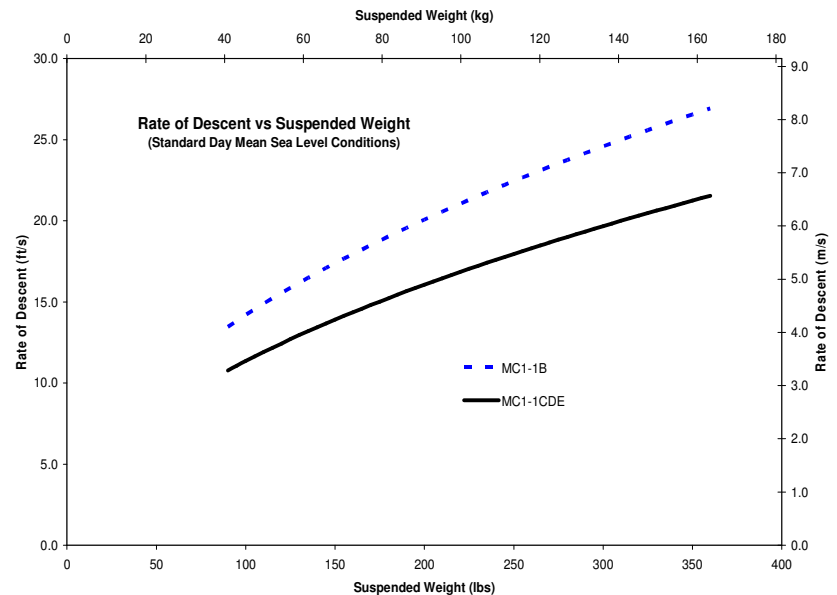
MC-1-1B/C/D/E

MANUVERABLE TROOP PARACHUTE ASSEMBLY

MC1-1 MAIN PARACHUTE (AVAILABLE IN MC1-1B, C, D and E VERSIONS)

Designed for precision infiltration of Airborne Forces, the MC1-1 steerable troop parachute assembly is a proven system that has been in operation with US Forces and military units around the globe. With hundreds of thousands of successful jumps, the MC1-1 has proven itself to be a safe and reliable delivery system.

Rate of Descent Chart



The MC1-1 parachute system comprises four main sub-systems:

Main Parachute - The main parachute is a 35 ft nominal diameter, flat circular canopy with a 10% extended skirt. A TU modification to the canopy provides drive and maneuverability. The canopy incorporates an anti-inversion net which ensures excellent deployment and inflation reliability. This parachute design provides good stability, tolerable opening force and rates-of-descent commensurate with heavily laden airborne troops. The canopy incorporates a four riser system that terminates with two standard male canopy release fittings. The canopy is available in 4 variants, MC1-1B, MC1-1C, MC1-1D and MC1-1E.

Harness - The MC1-1 harness is designed to afford the maximum amount of maneuverability to the airborne soldier. It is fully adjustable to fit all sizes of jumper; from the 5th percentile female to the 95th percentile male. The design incorporates attachment points for a chest mounted reserve parachute and equipment rucksack. The harness is secured using 3 quick-ejector snaps (2 leg straps and 1 chest strap) which allow rapid donning and doffing. The canopy is attached to the harness via standard female canopy releases which allow the jumper to readily jettison the canopy in the event of a high-wind or water landing

Deployment Bag - The MC1-1 deployment bag is designed to provide sequentially controlled deployment of the main parachute during static line exits up to 150 KEAS from both side door and ramp.

MC-1-1B/C/D/E

Deployment Bag (continued) The main structure of the bag is manufactured from high-quality cotton which ensures that the main parachute is not subject to any frictional heating and damage during egress. The line stowage loops are sized to retain the lines and to control the deployment in the most severe cross-flow conditions. The canopy is retained using a mouthlock which ensures uniform deployment at all airspeeds.

Static Line - The MC1-1 can be configured to use either the standard US Army 15 ft Static Line (for a C-130) or the Universal Static Line (USL). The USL is manufactured from webbing which provides exceptional abrasion resistance. It employs the new and improved USL snap hook that enhances safety and reliability and can be configured to use a 5 ft extension which increases the Static Line length to 20 ft. (for a C-17). The extension can be incorporated without any major disassembly.

MC1-1B, MC1-1C, MC1-1D, MC1-1E TECHNICAL SPECIFICATIONS*

Item	MC1-1B	MC1-1C	MC1-1D	MC1-1E
Parachute Assembly Part Number	11-1-900-1	11-1-900-2	11-1-900-3	11-1-900-4
NATO Stock Number	1670-01-598-0751	1670-01-262-2359	1670-01-487-0777	1670-01-499-6573
Nominal Diameter	10.7 Meters (35 Feet)	10.7 Meters (35 Feet)	10.7 Meters (35 Feet)	10.7 Meters (35 Feet)
Number of Gores	30	30	30	30
Canopy Material	MIL-C-7020 / PIA-C-7020 T1, Nylon	MIL-C-44378 / PIA-C-44378 T1, Low Porosity Nylon	MIL-C-44378 / PIA-C-44378 T1, Low Porosity Nylon	MIL-C-44378 / PIA-C-44378 T1, Low Porosity Nylon
Standard Color	CG483 Green	CG483 Green	CG483 Green	CG483 Green
Suspension Line Material	PIA-C-5040 Type II	PIA-C-5040 Type II	PIA-C-5040 Type II	PIA-C-5040 Type II
Suspension Line Length	7.8 meters (25.5 feet)	6.7 meters (22 feet)	6.7 meters (22 feet)	7.8 meters (25.5 feet)
Suspension Line Tensile Strength	181kg (400 lbs)	181kg (400 lbs)	181kg (400 lbs)	181kg (400 lbs)
Time for 360° Turn	9 seconds	9 seconds	9 seconds	9 seconds
Assembled Weight	13 kg (29 lbs)	13 kg (29 lbs)	13 kg (29 lbs)	13 kg (29 lbs)
Maximum Exit Weight	163 kg (360 lbs)	163 kg (360 lbs)	163 kg (360 lbs)	163 kg (360 lbs)
Minimum Exit Altitude	152 m (500 ft) AGL	152 m (500 ft) AGL	152 m (500 ft) AGL	152 m (500 ft) AGL
Maximum Exit Velocity	150 KEAS	150 KEAS	150 KEAS	150 KEAS
Rate of Decent	See Chart on Page 1	See Chart on Page 1	See Chart on Page 1	See Chart on Page 1