

MOAB (GBU-43/B Massive Ordnance Air Blast, Also known as Mother of All Bombs)



The GBU-43/B Massive Ordnance Air Blast (MOAB, commonly known as the Mother of All Bombs) is a large-yield bomb, developed for the United States military. The MOAB is the most powerful conventional bomb ever used in combat as measured by the weight of its explosive material. The explosive yield is comparable to that of the smallest tactical nuclear weapons, such as the Cold War-era American M-388 projectile fired by the portable Davy Crockett recoilless gun.

Being the biggest non-nuclear bomb ever dropped in combat by the US, at 30ft (9m) in length, 21,600lb (9,800kg), the GPS-guided munition is dropped from the cargo doors of an MC-130 transport plane and detonates shortly before it hits the ground.

The MOAB falls from the aircraft on a pallet, which is then tugged aside by a parachute allowing the weapon to glide down, stabilised and directed by four grid-like fins.

Its principal effect is a massive blast wave - said to stretch for a mile in every direction - created by 18,000lb of TNT.

The bomb's thin aluminium casing was designed specifically to maximise the blast radius.

The Air Force is said to have as many as 20 MOABs, so the deadly machine dropping toward Earth represented a significant chunk of the US stockpile.

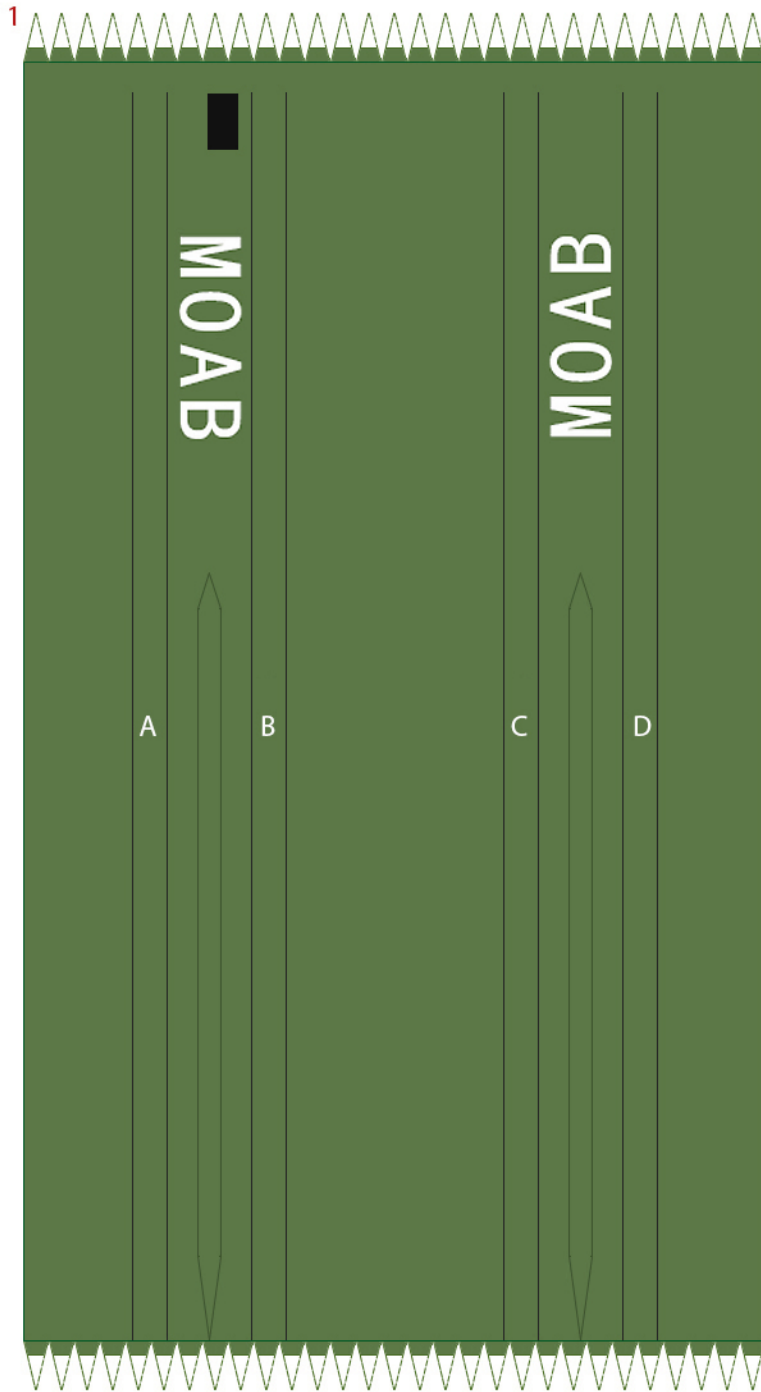
The bomb is designed to damage underground facilities and tunnels.

On 13 April 2017, a MOAB was first dropped on an ISIL-Khorasan cave complex in Achin District, Nangarhar Province, Afghanistan. It was the first operational use of the bomb. Two days later, an Afghan army spokesman said that the strike killed 94 ISIS-K militants, including four commanders, with no signs of civilian casualties.

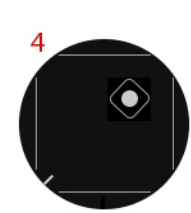
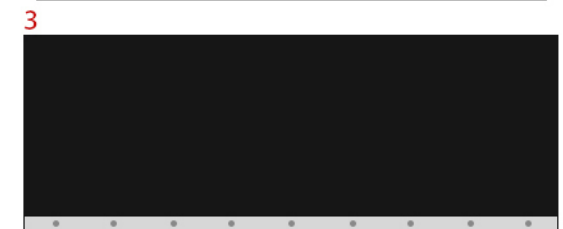
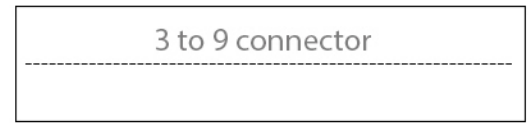
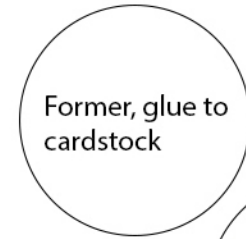
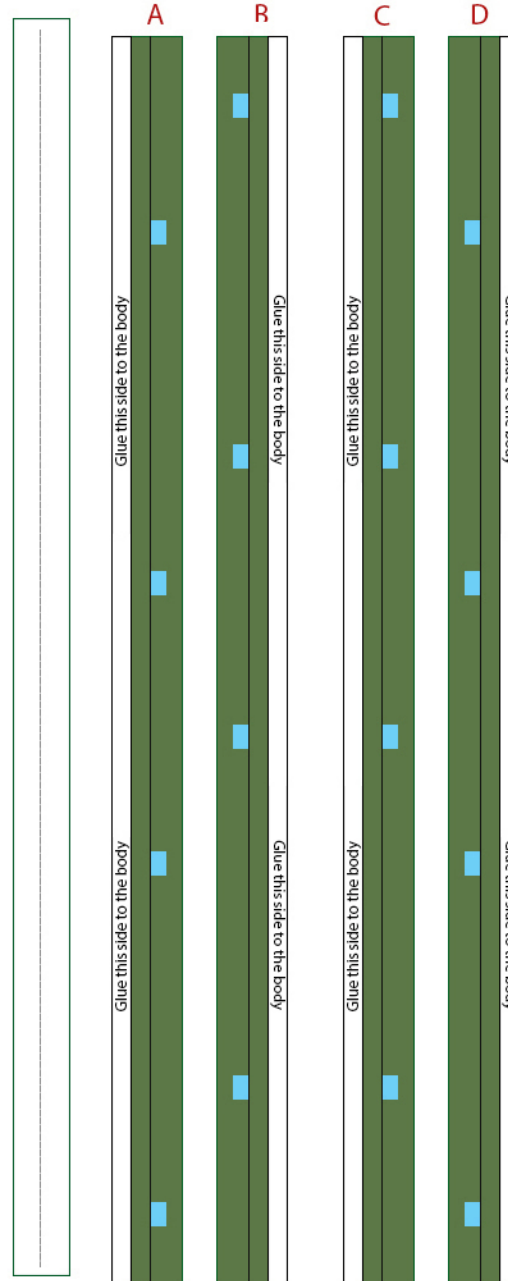
Specifications...

Weight	9,800 kg (21,600 lb)
Length	9.1885 m (30 ft 1.75 in)
Diameter	103 cm (40.5 in)
Filling	H-6
Filling weight	8,500 kg (18,700 lb)
Blast yield	11 tons TNT (46 GJ)

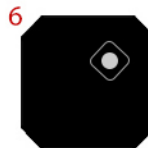
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Cut out the glue squares

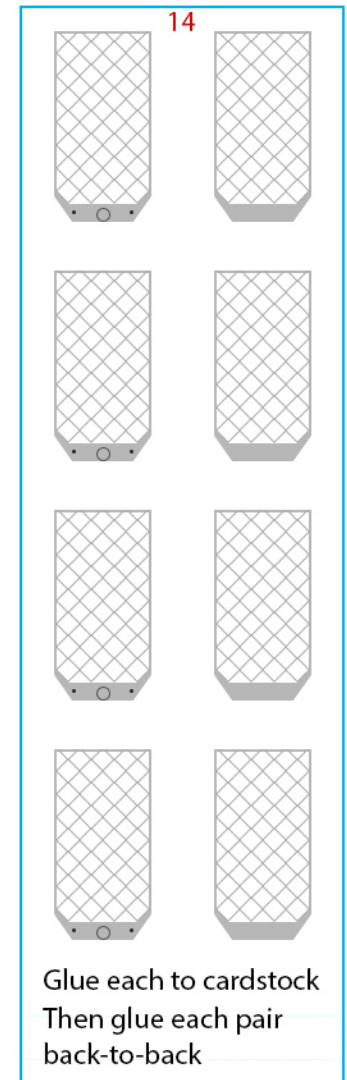
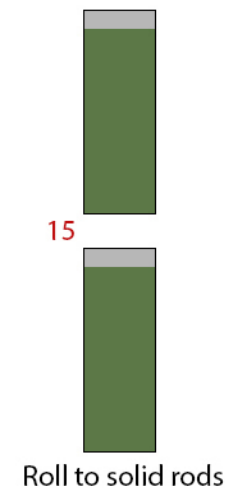
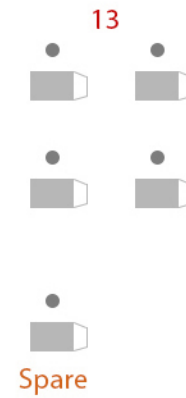
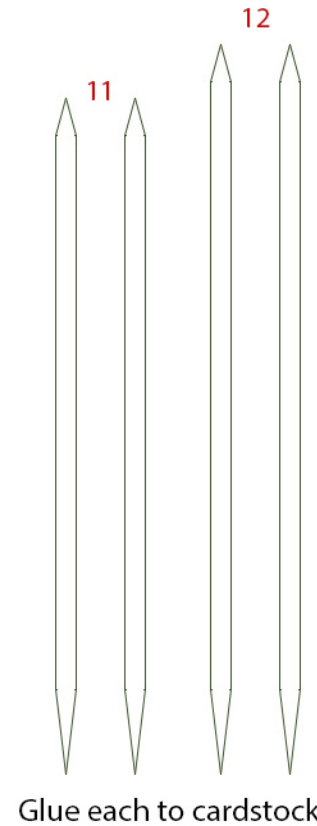
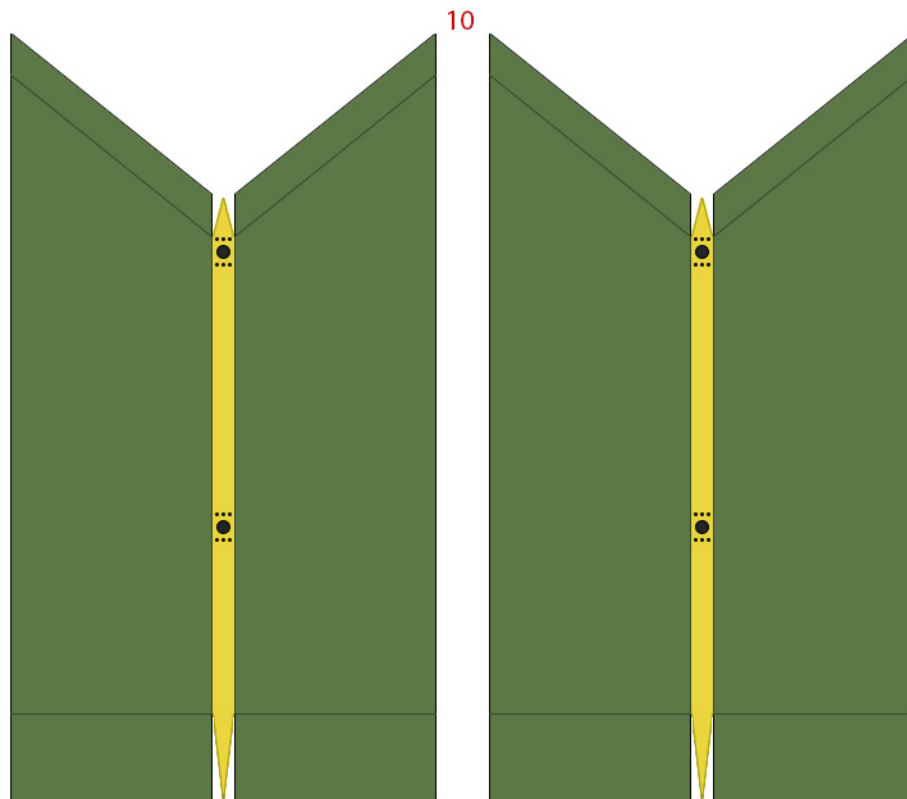
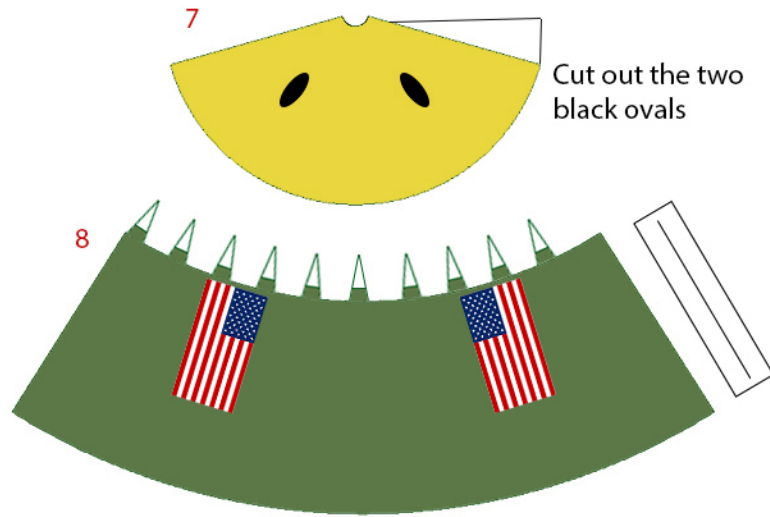


Score on the vertical lines including the tab. Fold to irregular Octagon. Part below fits inside.

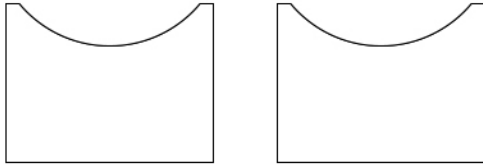


Glue to cardstock

MOAB (GBU-43/B Massive Ordnance Air Blast, Also known as Mother of All Bombs)



Model Stand



Glue to cardstock
Glue onto the two vertical lines on the base.



Score-fold at the lower line to an "L" shape.
Glue on the line on the base.



Glue the base onto cardboard or foamboard.