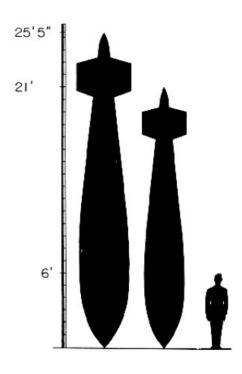
22,000lb Grand Slam Bomb



The Grand Slam was an enlarged version of Barnes Wallis' 12,000lb Tallboy bomb. This mammoth bomb was the largest conventional bomb dropped during the Second World War weighing in a 22,400lb - the empty weight of a Wellington bomber was around 18,000lb. The bomb was used on specialised targets such as submarine pens and viaducts, the grandslam would penetrate deep underground and then create a heavy shock wave.

As with Tallboy the Grandslam was dropped by the Lancaster

Written by David Boyd Thursday, 01 January 2009 20:55 -

bomber, several modifications were required including usually the removal of all but the rear turrets, it was however possible to have the rear and mid-upper turrets if the maximum ammunition carried by the rear turret was reduced to 5,000 rounds. Maximum take of weight was 72,000lb and the maximum allowable speed with the bomb attached was 250mph. The bomb caused vibration of the rear fuselage which could be felt in the entire aircraft (this was caused by the crutches for the store and was later fixed). Handling was found to be not entirely satisfactory, though acceptable.

Grandslam bomb specifications
Bom 22000-lb DP Mk I

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Con stasct Streel
Usu 22400 ht (10,181kg)
Chard weight ratio
Total ength 74.7cm)
Bod 4 ength 6.84cm)
Bod 5 ength 6.84cm)
Bod 5 ength (38 cm)
Wallth 5 kn ssin (4.44-19.68cm)
Tail 15 enth (132.08cm)
Fillingorpex
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Sources - AVIA 46 285, AVIA 46 163