



INVICTUS DEFENCE SYSTEMS

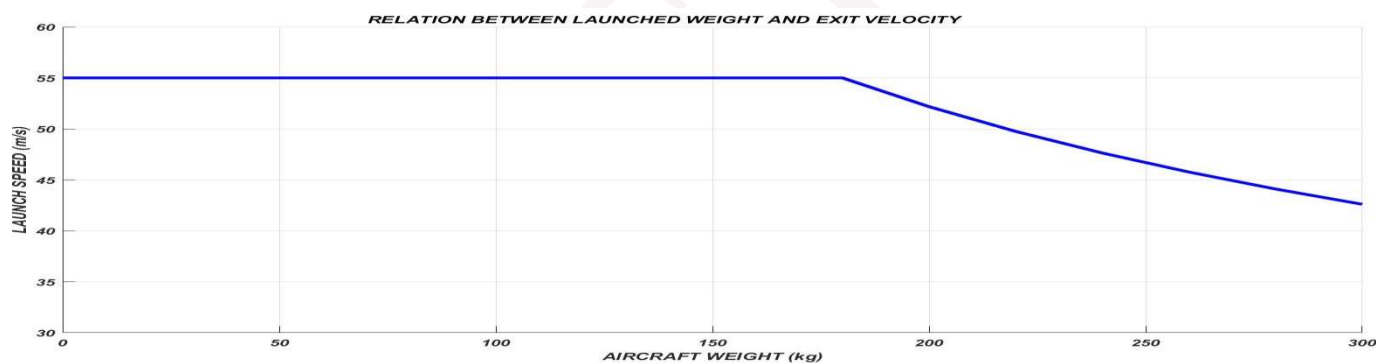
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IDS – BHEEM

PNEUMATIC AIR VEHICLE LAUNCHER

IDS- BHEEM launcher can launch a 200kg Unmanned Aerial Vehicle (UAV) at a speed of 53 m/s. This is achieved by pneumatic catapult system operating at maximum 150 bar pressure. The design of launcher provides smooth acceleration along the entire length of the launch rail.

PHYSICAL SPECIFICATION		TECHNICAL SPECIFICATION	
Length	16 meters	Maximum Launch Velocity	55 m/s
Width	< 2.2 meters	Maximum Aircraft Weight	300 kg
Height	< 2 meters	Operating Temperature	-30°C to +50°C
Launch Angle	8-15°	Typical Fill Time	< 5 min
Weight	3.5 tons	Energy Stored (Maximum)	324 kJ
		Loading on Aircraft at Exit	12g to 14g
		Indigenised Content	Launcher design and Manufacturing



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