


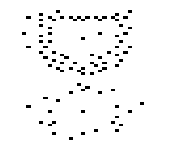

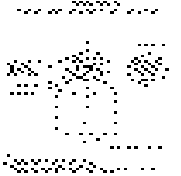
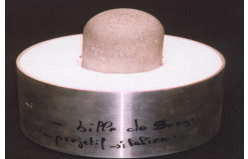
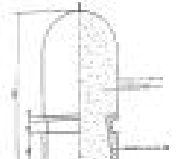

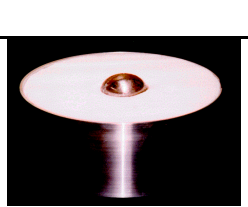
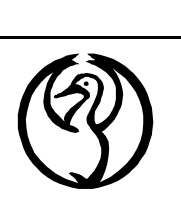


COUNTRY	PICTURE	DRAWING	Weight in Kg Speed in Km/H Kinetic Energy in J	Projectile Material	OTHER CONDITIONS
FRANCE			> 4 Kg from 130 to 250 Km/H, thus Kinetic Energy up to 9646 J and \perp .	Aluminium	STONE IMPACT. Aluminium 0,15 mm at 500 mm. Ballistic at 20°C and 0°C.
UIC DB - SPAIN			Max speed + 160 Km/H Impact from 80 to 600 Km/H Energy up to 14 000 J.	Aluminium	No interlayer hole < 20°C. Scale 1 and Impact with REAL OBLIQUITY. Totally Antispall.
SWEDEN UK			> 900 g from 210 to 410 Km/H, Energy up to 6500 J \perp	Steel plates	SWEDEN : LOWSPALL no hole \varnothing 4 mm and < 5 holes \varnothing > 2 mm. Al. 0,15 mm - 500 mm. UK : TOTALLY NOSPALL at - 17°C. Al. 0,013 mm - 400 mm.
ITALY			1000 \pm 20 g 360 Km/H, Energy 4370 J and \perp	Concrete	TOTALLY NOSPALL. Aluminium 0,15 mm at 150 mm
USA			FRA Type I & II 24lbs-48,28 Km/h - 979 J. HST 12lbs-160 mph – Energy 13921 J. - FULL SCALE . \perp	Cinder block and 22 LR. Steel ball and 9 mm ...	TOTALLY NOSPALL Aluminium 0,05 mm at 305 mm TEMP. : -34 °C up to 55 °C for all impact cases. SCALE 1.
JAPAN			2 or 4lbs, from 240 to 400 Km/H, t Energy up to 18 000 J REAL OBLIQUITY.	BIRD IMPACT Steel ball 250 g	GRAVELLING TEST (stone impact). Totally Antispall.