

Options for light/medium AFV gun armament

Anthony G Williams

Editor, IHS Jane's Weapons: Ammunition

AMMUNITION 1

7.62 mm RCMG



.50 HMG



40 mm HV AGL



25 mm LW25



20 mm GA-1



AMMUNITION 2

20x83 GA-1

20x102 20M621

20x139 20M693

25x137 M242 etc

30x165 Russian

30x170 British Rarden

30x173 MK44 etc



AMMUNITION 3

30x173



40x180 Super 40



35x228
Oerlikon/Bushmaster III



50x330
Supershot



40x255 CTWS

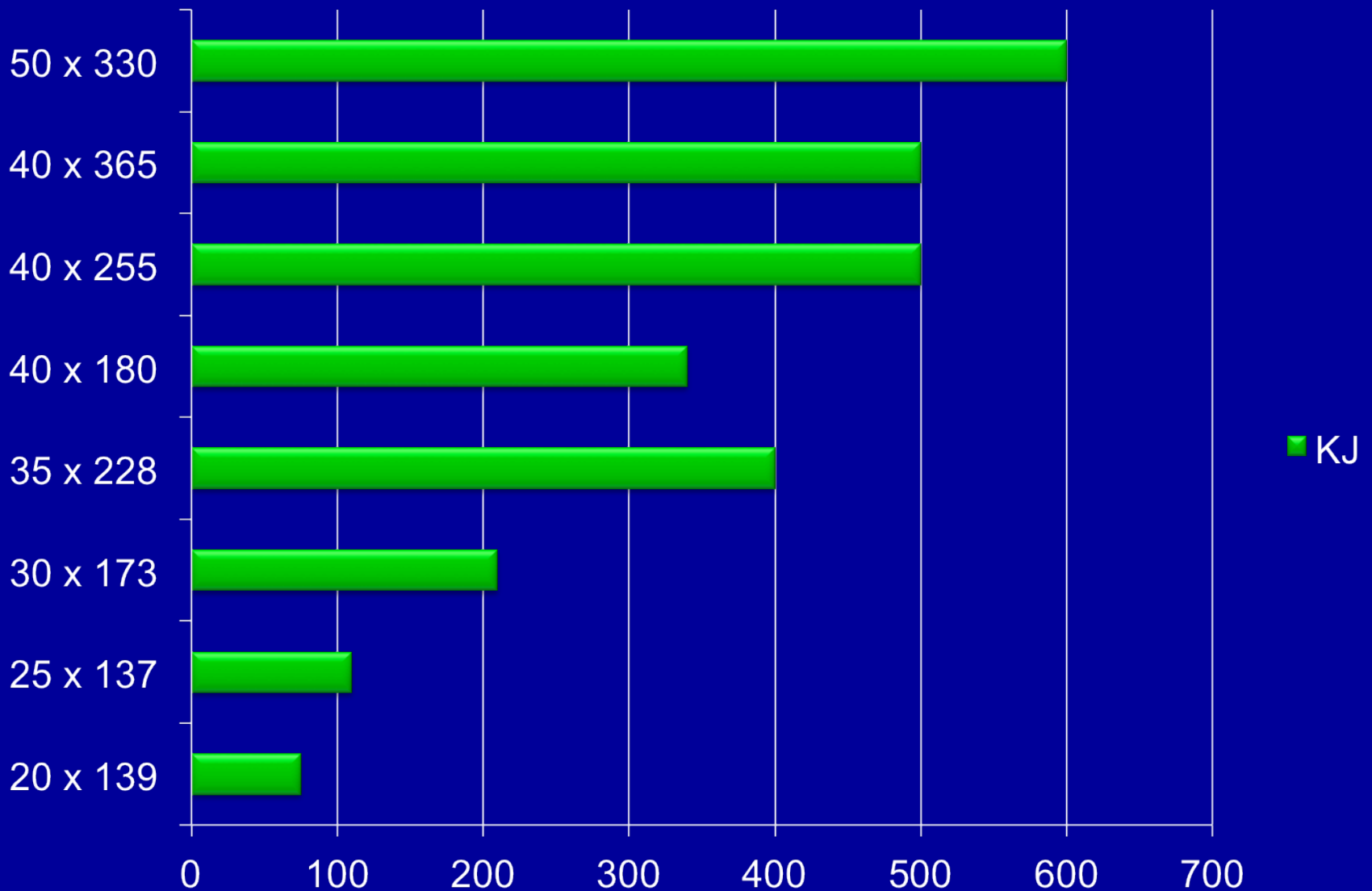


40x365 Bofors

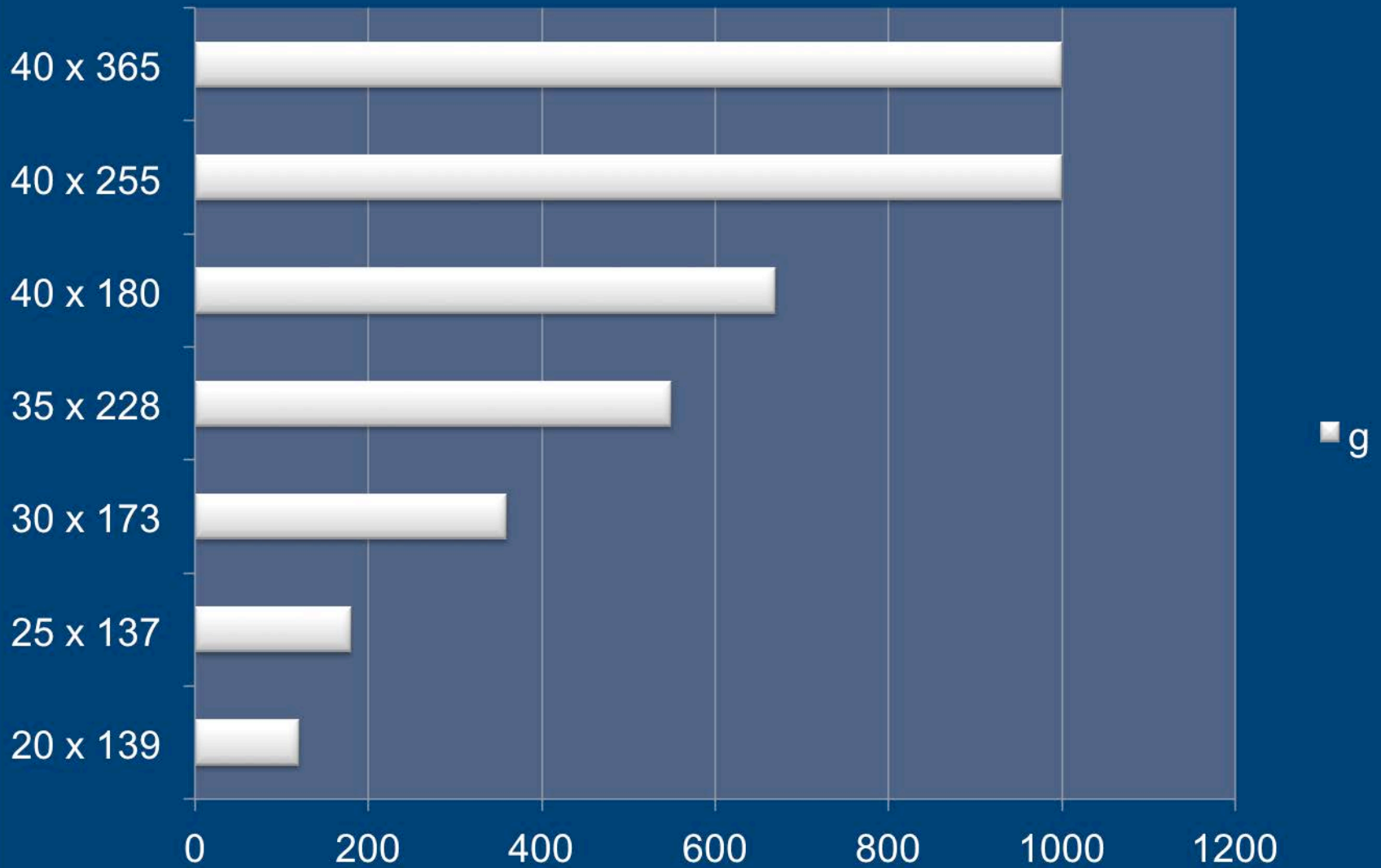


57mm Russian

AMMUNITION CALIBRES vs MUZZLE ENERGIES



AMMUNITION CALIBRES vs HE SHELL WEIGHT



THE HEDP OPTION: 30 x 113 M230

25 x 137
NATO



30 x 113
M230LF



30 x 173
MK
30/MK44



25 x 137

30 x 113

30 x 173

Projectile weights g:

180

240

360

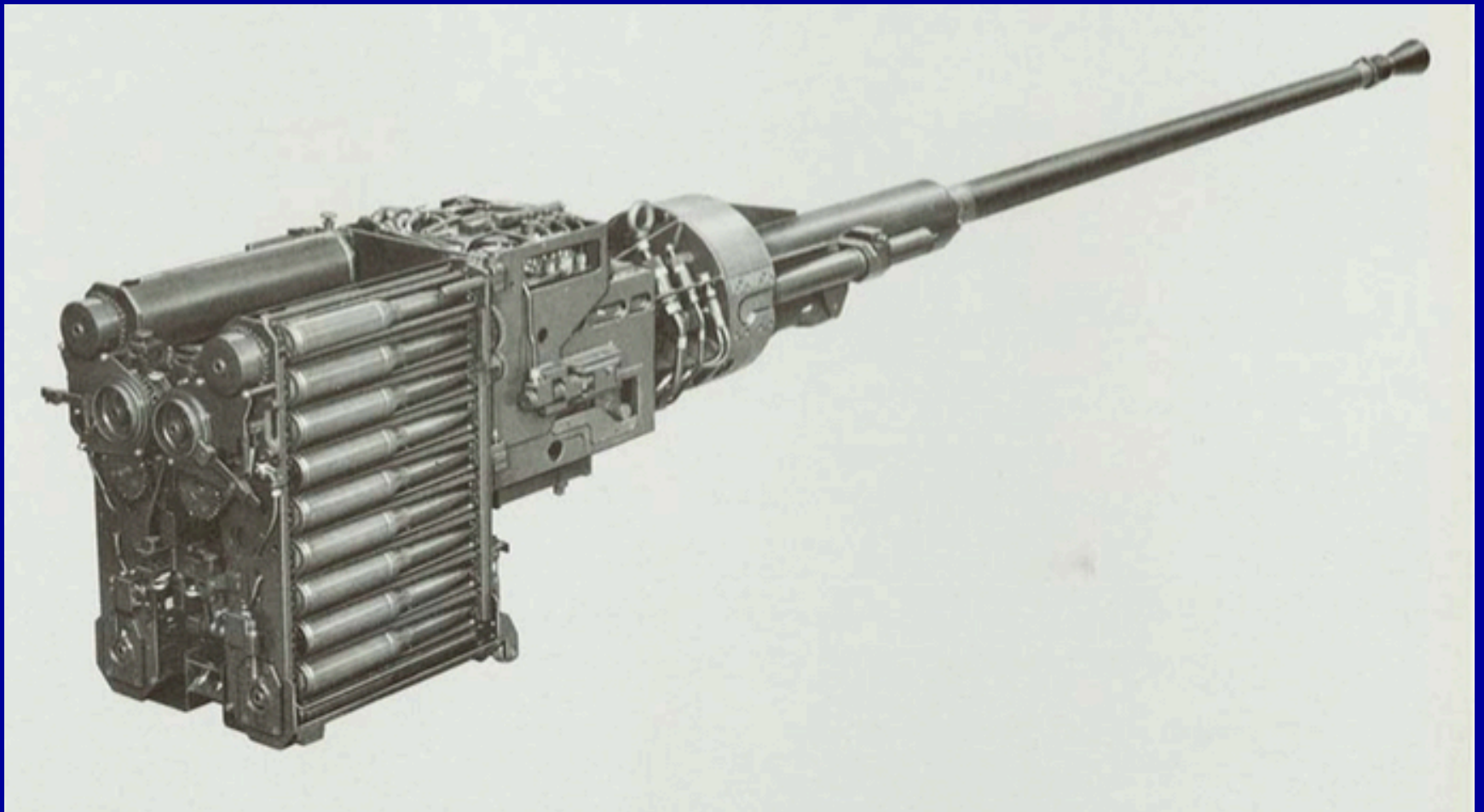
Muzzle velocities m/s:

1,100

838

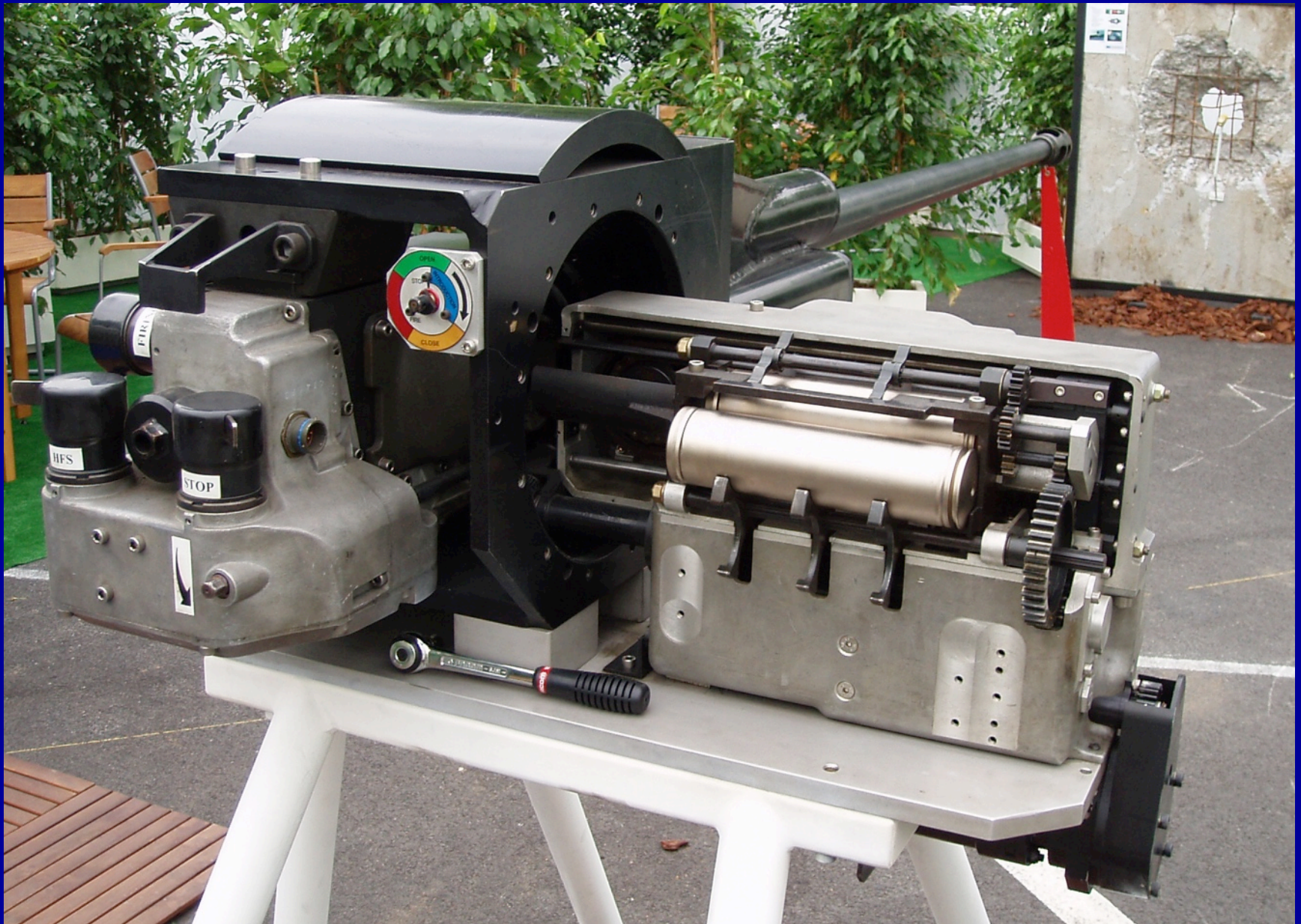
1,060

INTEGRAL MAGAZINE – OERLIKON KDE

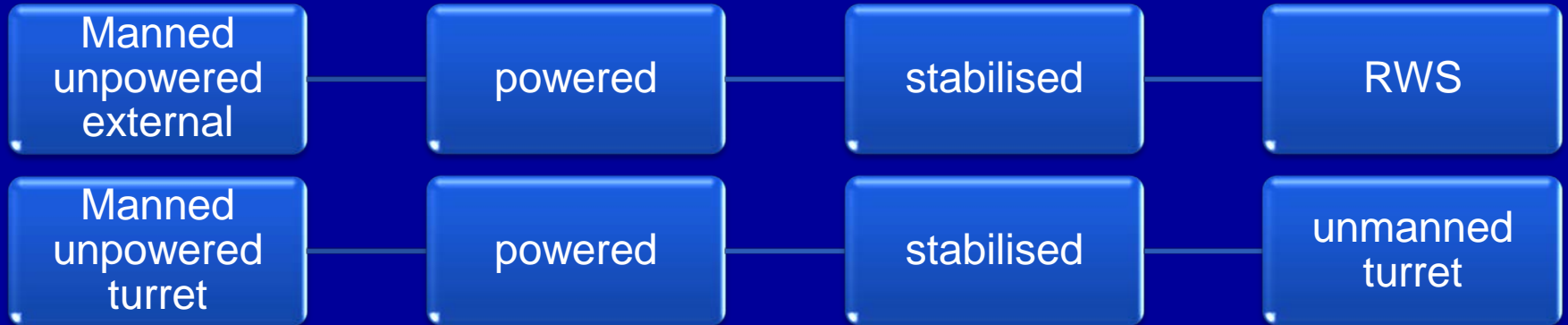


35 mm gun with two 17 round magazines attached to the breech

THROUGH TRUNNION LOADING – 40 CTWS



MOUNTING TYPES



MOUNTING TYPES – RWS for MGs



MOUNTING TYPES - RWS for HMG+AGL or 20 mm



MOUNTING TYPES – VIPER for M230LF on GD FLYER



MOUNTING TYPES – EOS and LEMUR for M230LF



MOUNTING TYPES – OPEN & ENCLOSED RWS in 30 mm



MOUNTING TYPES – KMW IWS35 RWS



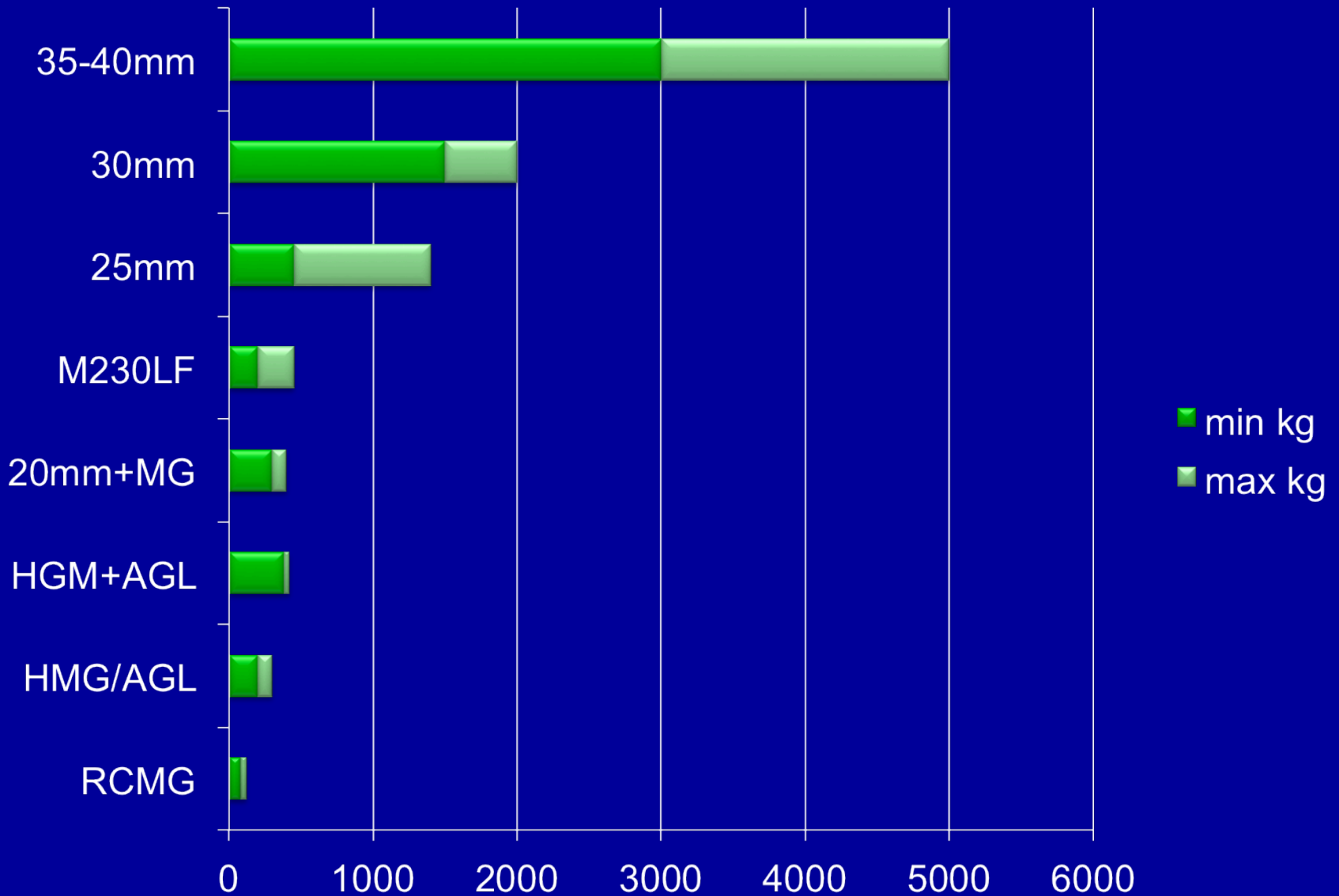
RHEINMETALL LANCE MANNED/UNMANNED TURRET



MANNED 40 CTWS TURRET for WARRIOR



MOUNTING WEIGHTS



WHERE IT ALL BEGAN: the RENAULT FT 17



Anthony G Williams

<http://www.quarryhs.co.uk/>

williams@quarryhs.co.uk