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Table of symbols

This book uses SI units and units derived from them (some tables are also printed in British/U.S. units). Dimensionless quantities are indicated by [-]. Where no dimension is possible for a quantity, the corresponding space is left blank.

A	Area	[m ²]
C	General proportionality factor (e.g. specific heat capacity)	
C/L	Measure of effectiveness (CARANTA and LEGRAIN)	
C _D	Drag coefficient	[-]
C _{dr}	Pressure coefficient	[-]
C _F	Coefficient of friction	[-]
C _L	Lift force coefficient	[-]
C _M	Overturning moment coefficient	[-]
C _p	Pressure coefficient	[-]
D	Plate thickness (terminal ballistics)	[m]
E	Energy	[J]
E'	Energy density	[J/mm ²]
E' _{ab}	Wounding potential (energy deposited per cm travelled)	[J/cm]
E' _{gr}	Threshold energy density	[J/mm ²]
E _a	Impact energy	[J]
E _{ab}	Energy transferred	[J]
E _{ad}	Entry energy (the energy of the projectile as it enters a layer, having passed through another)	[J]
E _{dr}	Pressure energy	[J]
E _{ds}	Energy expended in passing through a layer	[J]
E _e	Exit energy	[J]
E _{gr}	Threshold energy	[J]
EKE	Expected kinetic energy	[J]
E _{kin}	Kinetic energy	[J]
E _{mech}	Mechanical energy (= E _{kin} + E _{pot} + E _{rot})	[J]
E _{pot}	Potential energy	[J]
E _{rot}	Energy of rotation	[J]
E _{rst}	Residual energy of the projectile after it has exited the target (e.g. the body)	[J]



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Wound Ballistics

Basics and Applications

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