

Linear displacement		Radius of object		Angular displacement		Linear velocity	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
d	m	r	m	θ	rad	v	ms^{-1}
Angular velocity		Acceleration		Angular acceleration		Time	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
ω	$rads^{-1}$	a	ms^{-2}	α	$rads^{-2}$	t	s
Kinetic energy		Rotational Inertia		torque		mass	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
E_k	J	I	Kgm^2	τ	Nm	m	kg
Displacement from equilibrium position		Spring constant		Length of pendulum		Acceleration due to gravity	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
y	m	k	Nm^{-1}	l	m	g	ms^{-2}

Angular momentum		Impulse		Distance between the centre of masses		Period of oscillation	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
L	$\text{Kg m}^2 \text{s}^{-1}$	Δp	Ns	r	m	T	s
Universal Gravitational constant		Amplitude of oscillation		Potential energy		Force	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
G	$\text{Nm}^2 \text{kg}^{-1}$	A	m	E_p	J	F	N
Force due to gravity		momentum		frequency		Rotational kinetic energy	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
F_g	N	p	kgms^{-1}	f	Hz	$E_{K(\text{rot})}$	J
Initial angular velocity		Final angular velocity		Mass of an object		Mass of another object	
SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT	SYMBOL	UNIT
ω_i	rads^{-1}	ω_f	rads^{-1}	M	kg	m	kg

