

• II / Agreed Abbreviations

Magnitude	Abbreviation (symbol)	Unit
Frequency	F	Hz (cps)
Resonance frequency	Fr	Hz
Excitation frequency	Fe	Hz
Natural frequency	Fo	Hz
Weight	m	Kg
Static stiffness	Ks	N/m
Dynamic stiffness	K	N/m
Static deflection (deflection)	$\Delta_s$	mm
Dynamic deflection	$\Delta_d$	mm
Sub tangent	$\Delta$	mm
Acceleration	$\gamma$	m/s <sup>2</sup>
Gravity acceleration	g	m/s <sup>2</sup>
Speed	V	m/s
Damping coefficient	C	N.s/m
Critical damping coefficient	Cc	N.s/m
Damping factor	$\zeta$	-
Loss factor	$\text{tg}\delta$	-
Transmissibility	T	-
Amplification at resonance Q Factor	Q	-
Decibel		db
Power spectral density	DSP	g <sup>2</sup> /Hz
Impact amplitude	Ao	m/s <sup>2</sup>
Impact time	To	s