

ISO 8568:2007-07 (E)

Mechanical shock - Testing machines - Characteristics and performance

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Performance	2
4.1	General	2
4.2	Operation principles	2
4.3	Test types	3
4.4	Shock-testing machine components	3
5	Shock-testing machine specification	4
6	Requirements for shock-testing machines	5
6.1	General	5
6.2	Safety requirements	5
6.3	Table or carriage	5
6.4	Hoisting or pre-loading	6
6.5	Braking systems	6
6.6	Reaction mass	6
6.7	Shock pulse-shaping devices and methods	7
7	Inspection of a shock-testing machine	7
7.1	General	7
7.2	Preparation procedure	7
7.3	Example of an inspection procedure for a shock-testing machine operation	8
Annex A (informative) Devices for shaping various pulse shapes		10
Annex B (informative) Shock-response spectra, shock synthesis and analysis		12
Annex C (informative) Use of a vibration generator for producing a shock pulse		15
Annex D (normative) Determination of uniformity of acceleration and relative transverse motion on the table of a shock-testing machine		20
Annex E (normative) Stray magnetic field		22
Bibliography		23