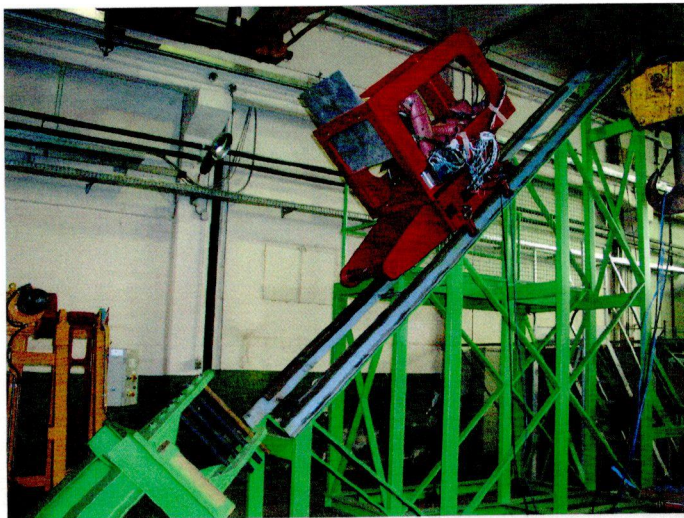
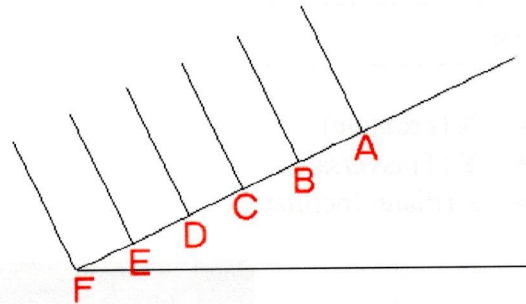


Macchina Shock a Caduta con Manichino Strumentato

M. Dell'Agnolo, BPS, Pero (Milano), I

SCHEMA TEST: Macchina Shock a Caduta con Manichino Strumentato

PROVA	Test n° 15 del 22/04/10 Prova Macchina Shock a caduta con Manichino Strumentato fissato su sedile con cinghie di sicurezza																																																														
Configurazione Macchina	Configurazione Set Tubi per Impatto																																																														
  Corsa Slitta: 2000 mm	  <table><thead><tr><th rowspan="2">Tipo</th><th rowspan="2">Diametro (mm)</th><th colspan="6">Disposizione</th></tr><tr><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>F</th></tr></thead><tbody><tr><td>Ferro Pieno</td><td>40</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Ferro Pieno</td><td>40</td><td></td><td>X</td><td></td><td></td><td></td><td></td></tr><tr><td>Ferro Pieno</td><td>40</td><td></td><td></td><td>X</td><td></td><td></td><td></td></tr><tr><td>Ferro Pieno</td><td>40</td><td></td><td></td><td></td><td>X</td><td></td><td></td></tr><tr><td>Ferro Pieno</td><td>40</td><td></td><td></td><td></td><td></td><td>X</td><td></td></tr><tr><td>Ferro Pieno</td><td>40</td><td></td><td></td><td></td><td></td><td></td><td>X</td></tr></tbody></table> Sedile Sedile in vetroresina con cinghie di sicurezza.	Tipo	Diametro (mm)	Disposizione						A	B	C	D	E	F	Ferro Pieno	40	X						Ferro Pieno	40		X					Ferro Pieno	40			X				Ferro Pieno	40				X			Ferro Pieno	40					X		Ferro Pieno	40						X
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Setup Prova

- N° 1 manichino strumentato su sedile in tela con terna accelerometri nella testa e terna accelerometri sulla colonna vertebrale in zona pelvica, cella di carico nel collo con misura momento, cella di carico nella tibia bassa Sx e Dx con misura momento, sensore di spostamento nel torace;
- N° 1 accelerometro corpo slitta;
- N° 1 Tachimetrica

Assi

- X (Frontale)
- Y (Trasversale)
- Z (Piano Inclinato)

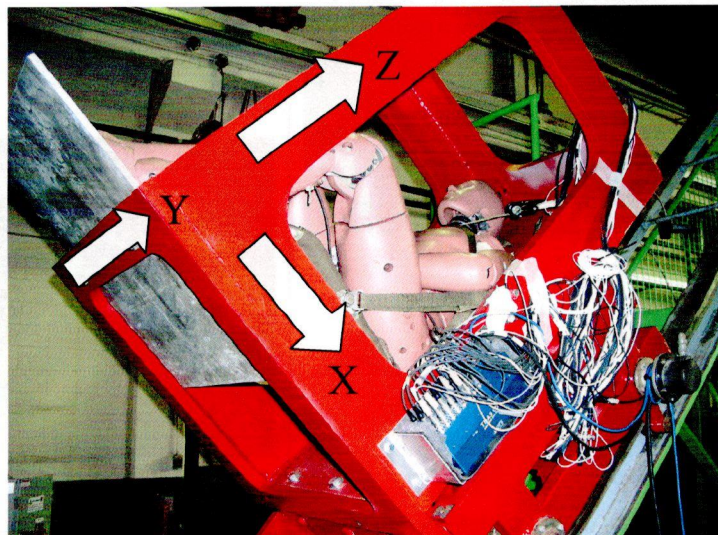
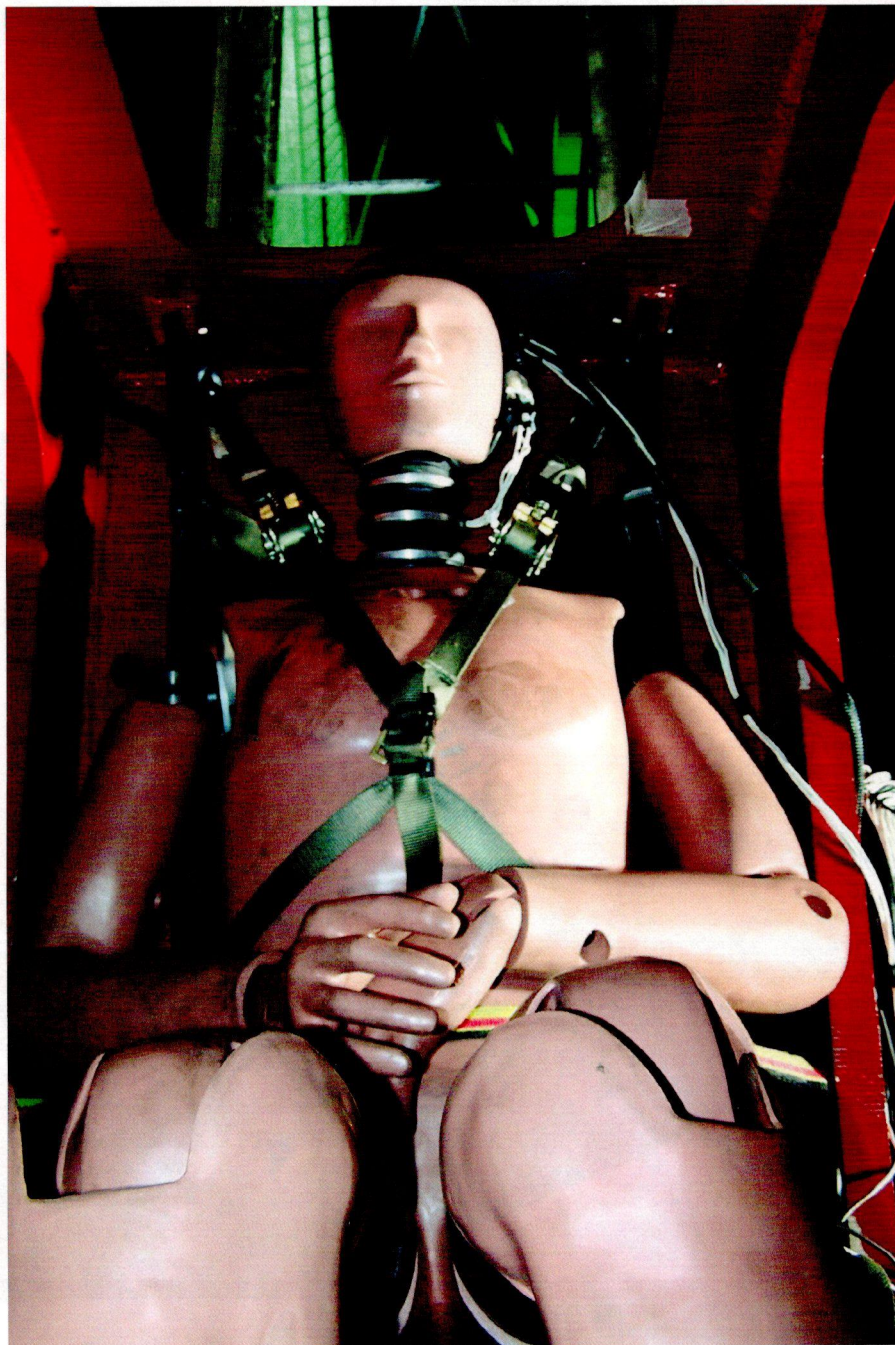


Foto dell'allestimento della cabina della macchina shock con manichino strumentato su sedile in tela.



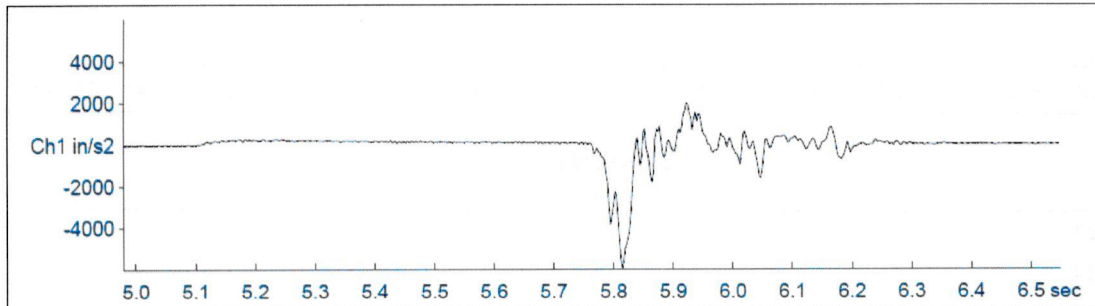


MR2002 - Vibration Data Evaluation

File Name: ...Com 2.2\Data\----002.XMR
 Station: MR2002 SYSCOM Instruments SA
 Signal: Baseline corrected

Event Nr.: 2
 Event Date: 29/04/2010
 Start Time: 9.28.38 + 295 ms
 Range: 4.98 - 6.55 s

Peak(1): 5994 in/s²
 Peak(2): 105 in/s²
 Peak(3): 4886 in/s²
 RMS(1): 758 in/s²
 RMS(2): 84.7 in/s²
 RMS(3): 702 in/s²



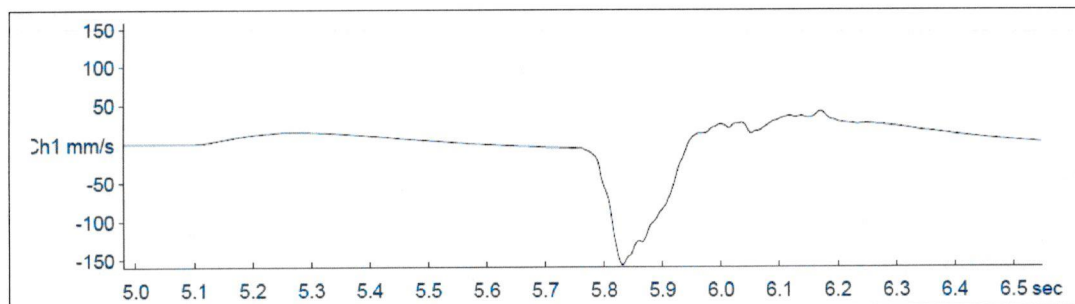
MR2002 - Vibration Data Evaluation

File Name: ...Com 2.2\Data\----002.XMR
 Station: MR2002 SYSCOM Instruments SA
 Signal: Baseline corrected

Event Nr.: 2
 Event Date: 29/04/2010
 Start Time: 9.28.38 + 295 ms
 Range: 4.98 - 6.55 s

AbsMax(1): 157 mm/s
 AbsMax(2): 0.940 mm/s
 AbsMax(3): 159 mm/s
 RMS(1): 35.0 mm/s
 RMS(2): 0.385 mm/s
 RMS(3): 32.5 mm/s

Velocity



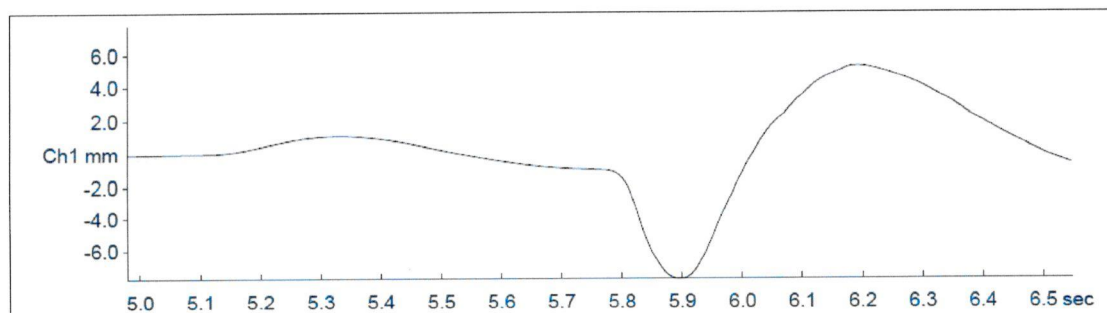
MR2002 - Vibration Data Evaluation

File Name: ...Com 2.2\Data\----002.XMR
 Station: MR2002 SYSCOM Instruments SA
 Signal: Baseline corrected

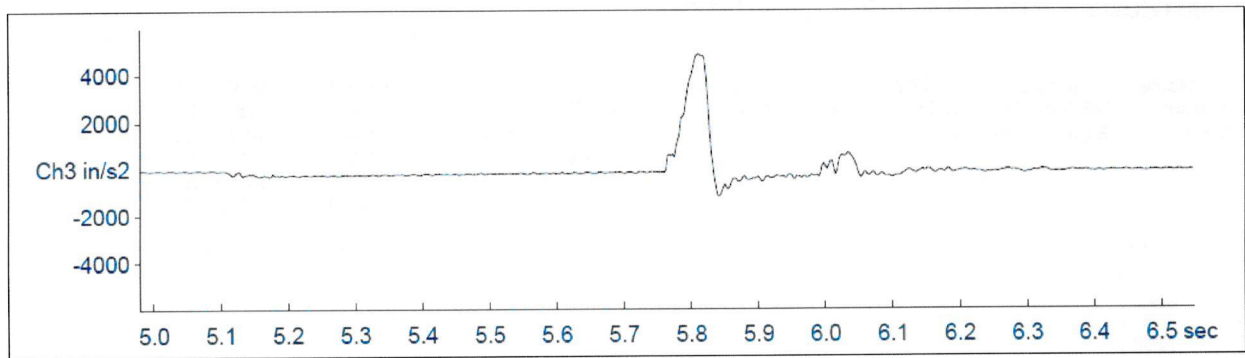
Event Nr.: 2
 Event Date: 29/04/2010
 Start Time: 9.28.38 + 295 ms
 Range: 4.98 - 6.55 s

AbsMax(1): 7.78 mm
 AbsMax(2): 0.0255 mm
 AbsMax(3): 7.40 mm
 RMS(1): 2.85 mm
 RMS(2): 0.0103 mm
 RMS(3): 2.78 mm

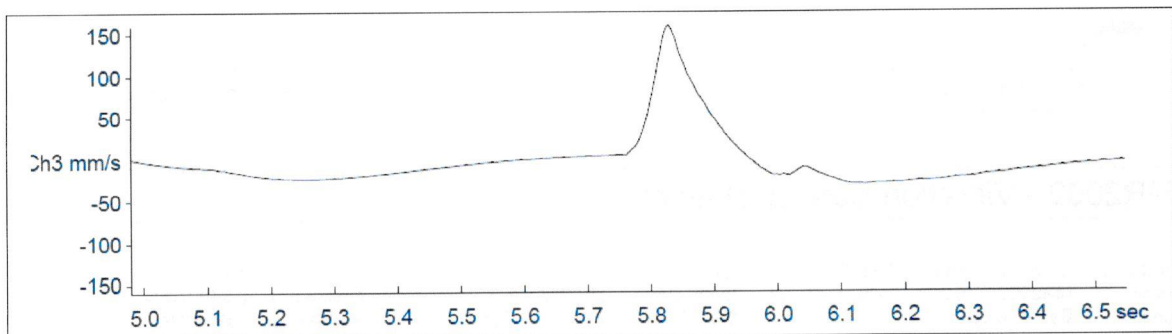
Displacement



Acceleration



Velocity



Displacement

