

Corso di Laurea Magistrale in Ingegneria Civile

TESI DI LAUREA MAGISTRALE

ALLEGATO 1: APPENDICE DEI GRAFICI - PARTE 3-B

**Prove su tavola vibrante di un silo metallico a fondo piano:  
identificazione dinamica mediante accelerometri**

Candidato:

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Matricola 0000812334

Relatore:

**Chiar.mo Prof. Ing. Stefano Silvestri**

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# A

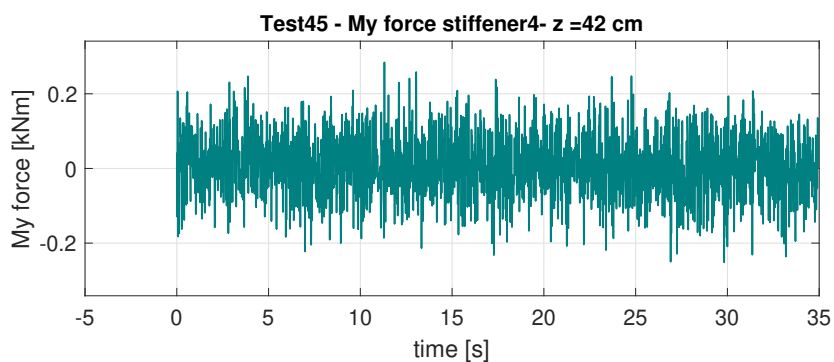
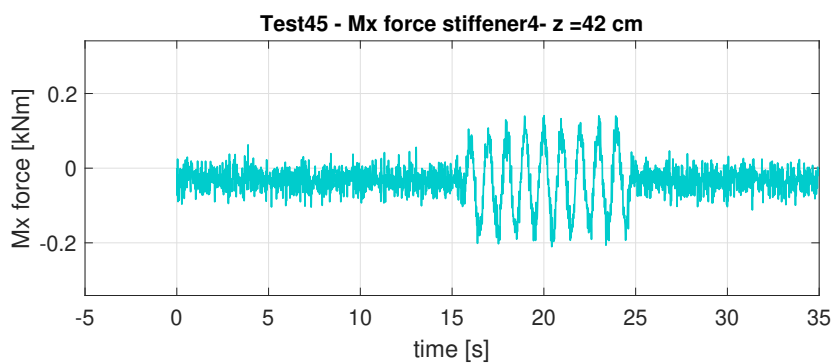
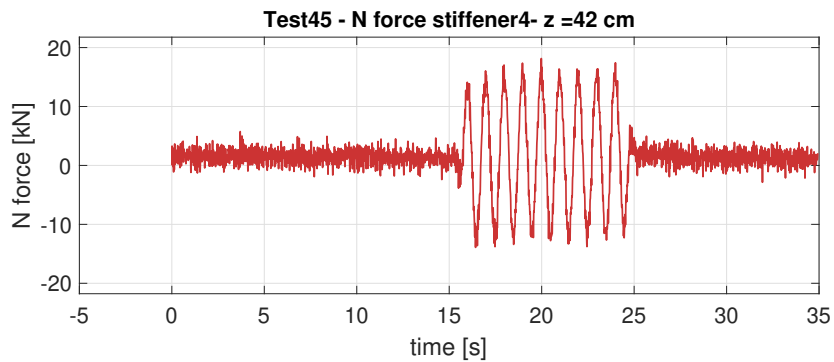
## APPENDICE DEI GRAFICI: PARTE 3-B

### TESTS IN CONFIGURAZIONE A BASE FISSA

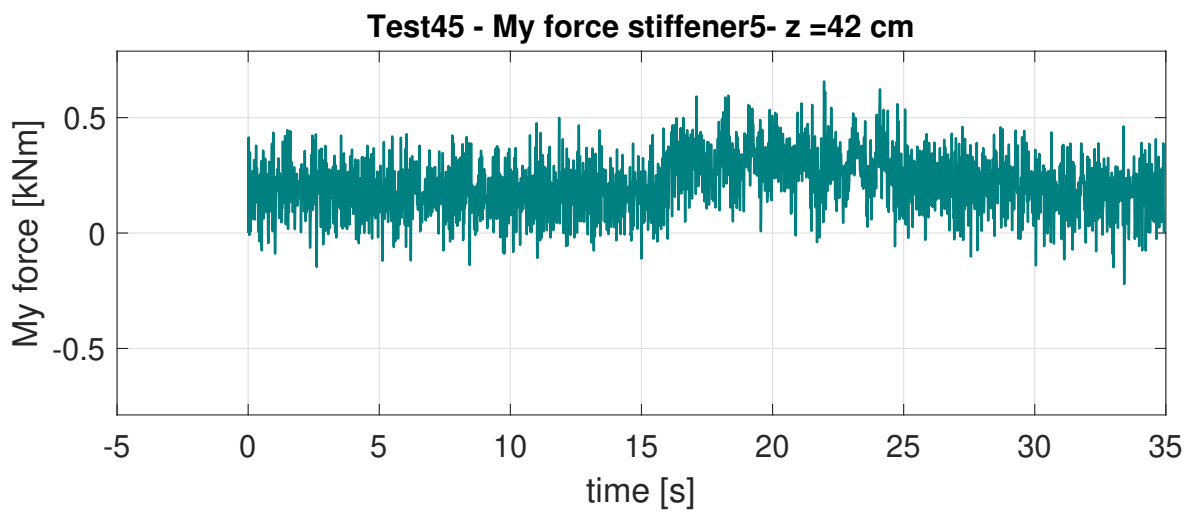
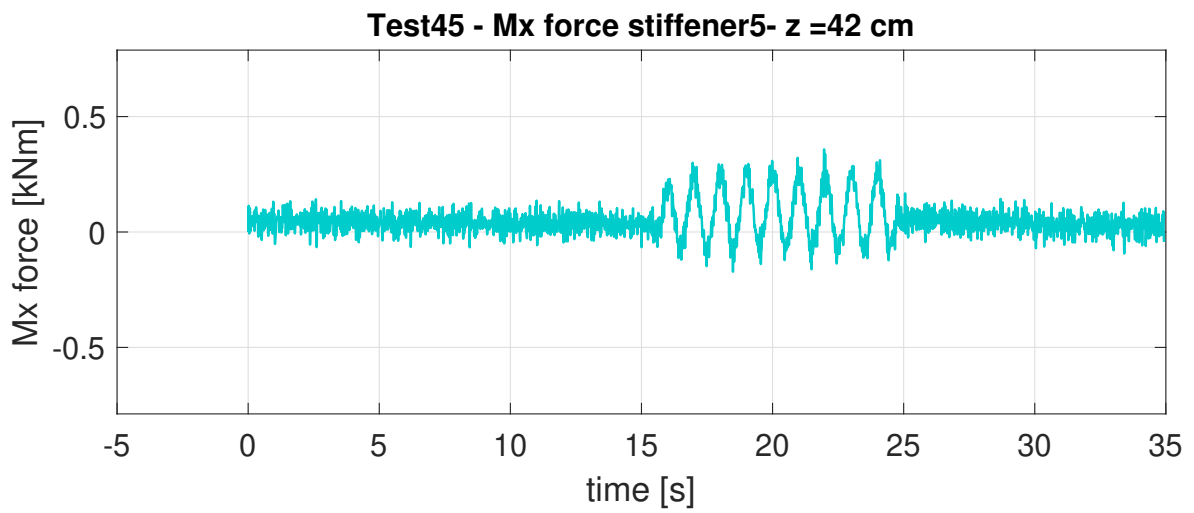
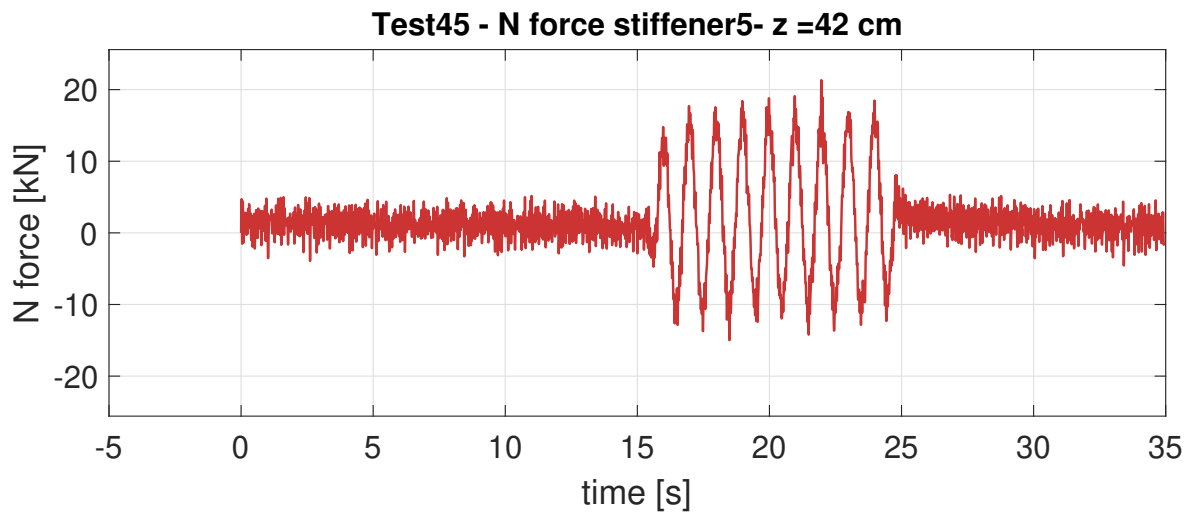
#### A.4.5 Sforzi nei montanti

- Sinusoide 0.3 g  
Quota z = 42 cm

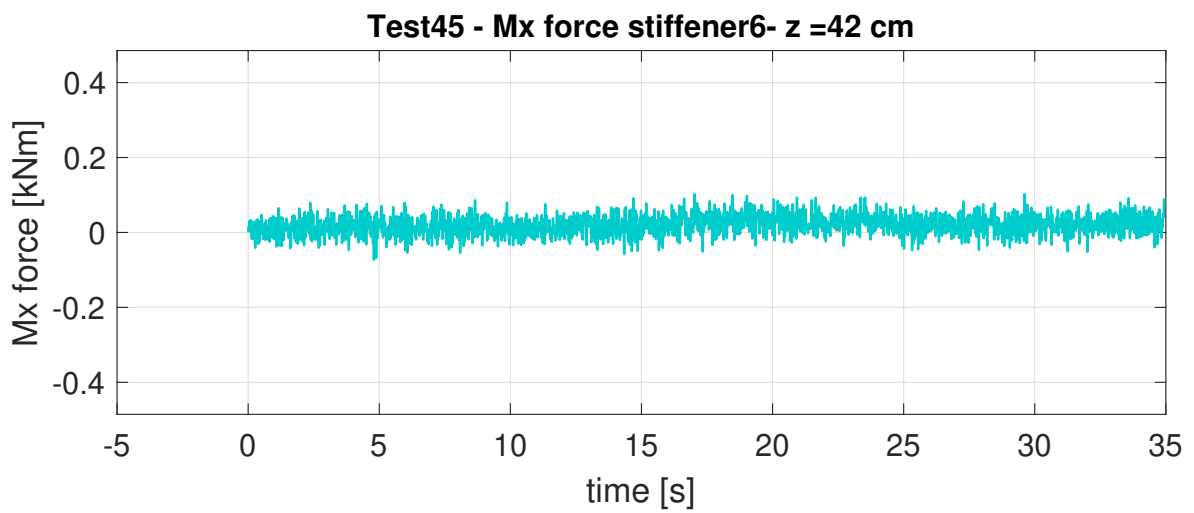
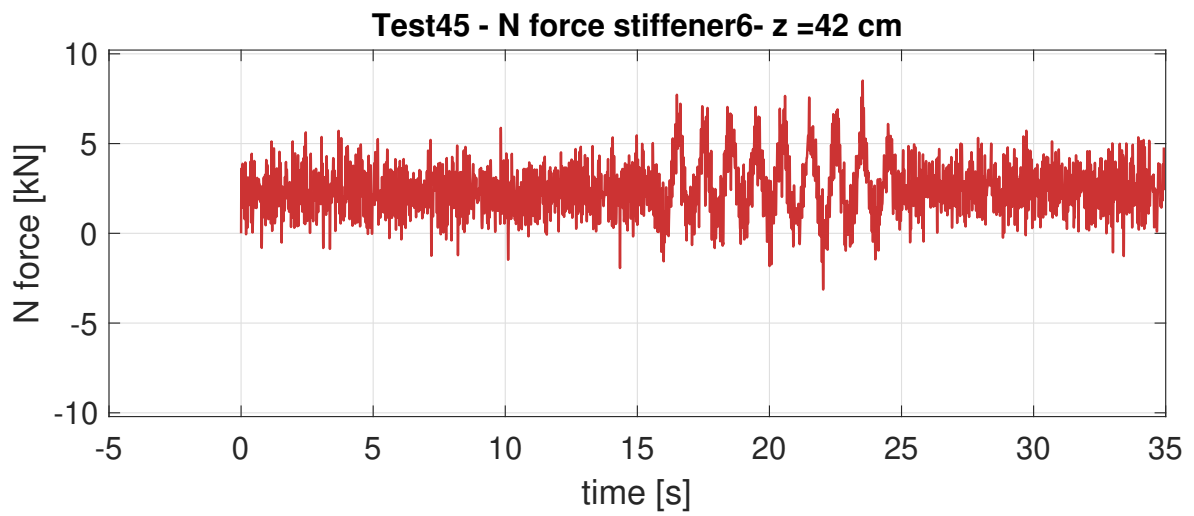
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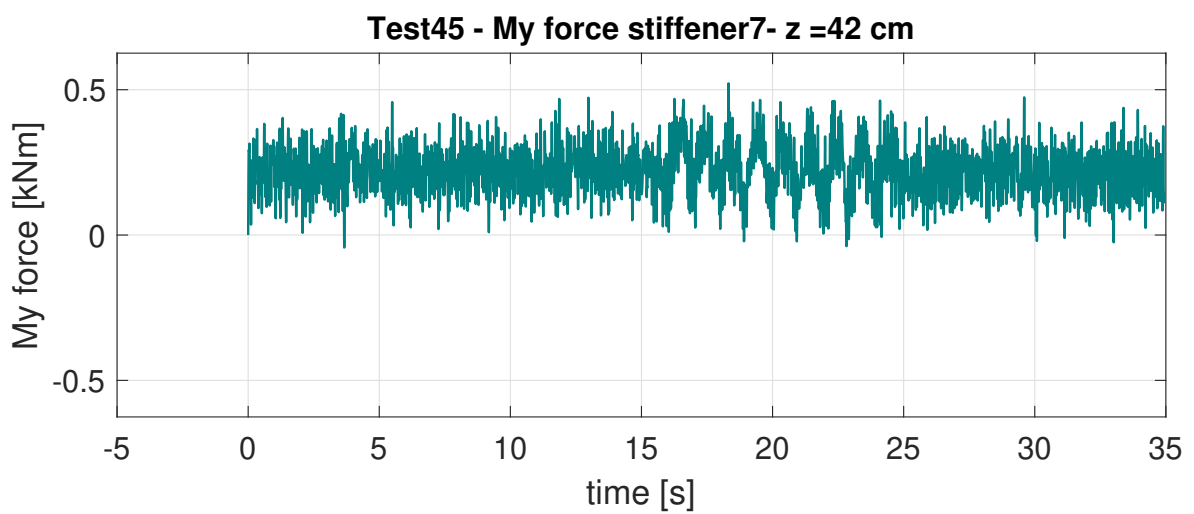
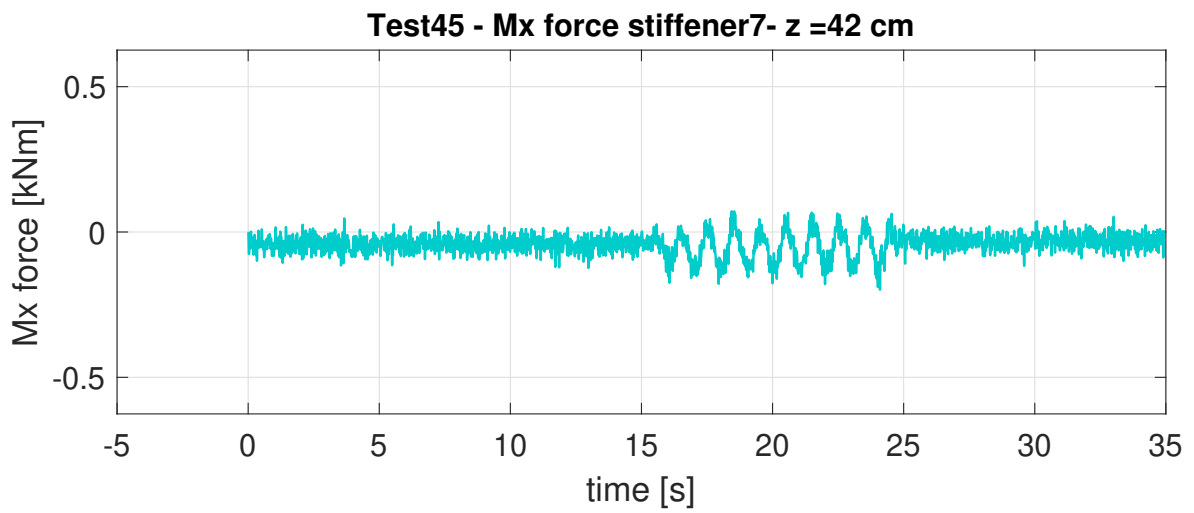
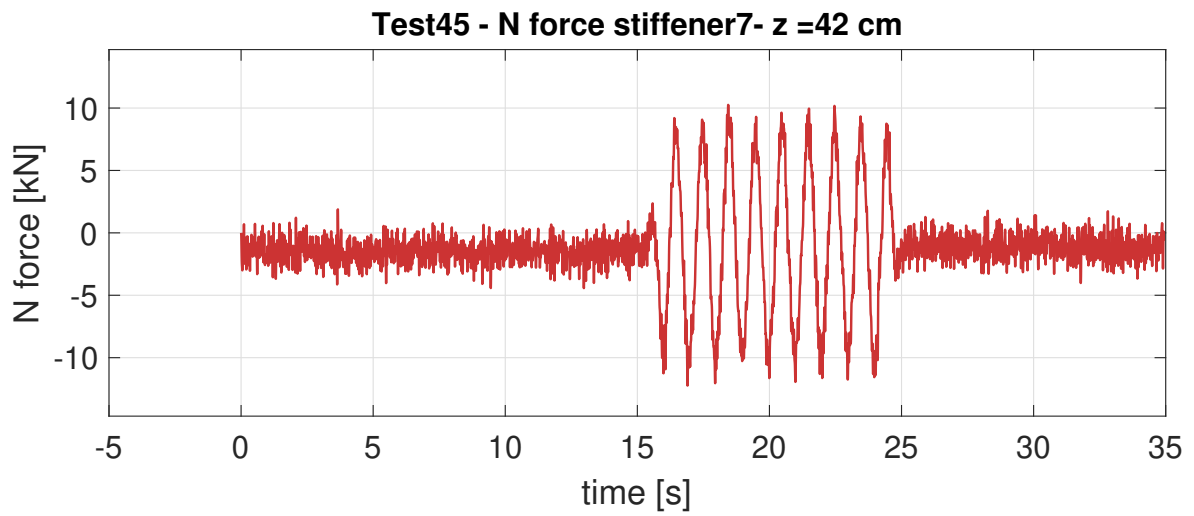
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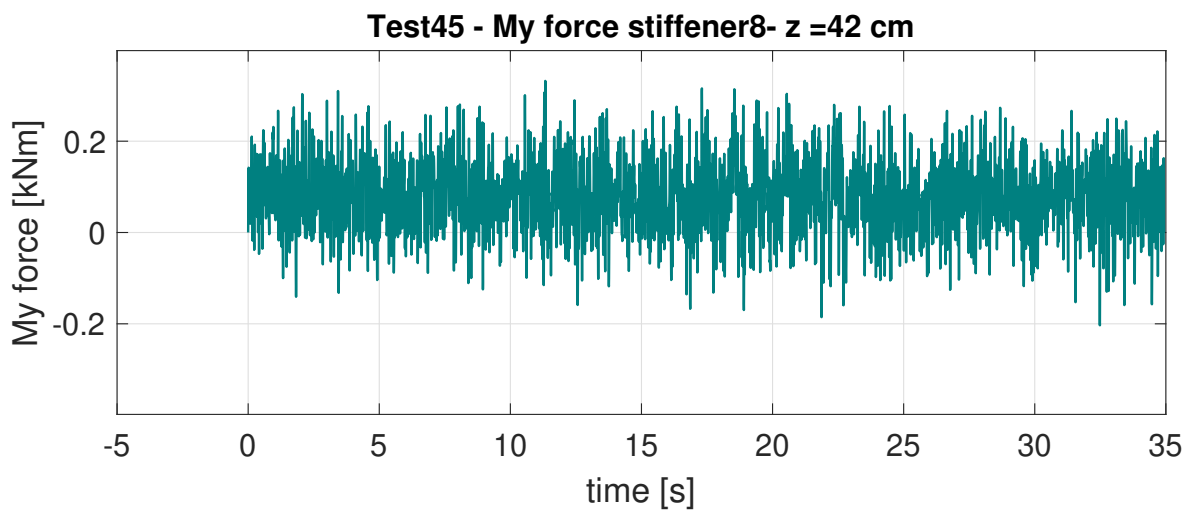
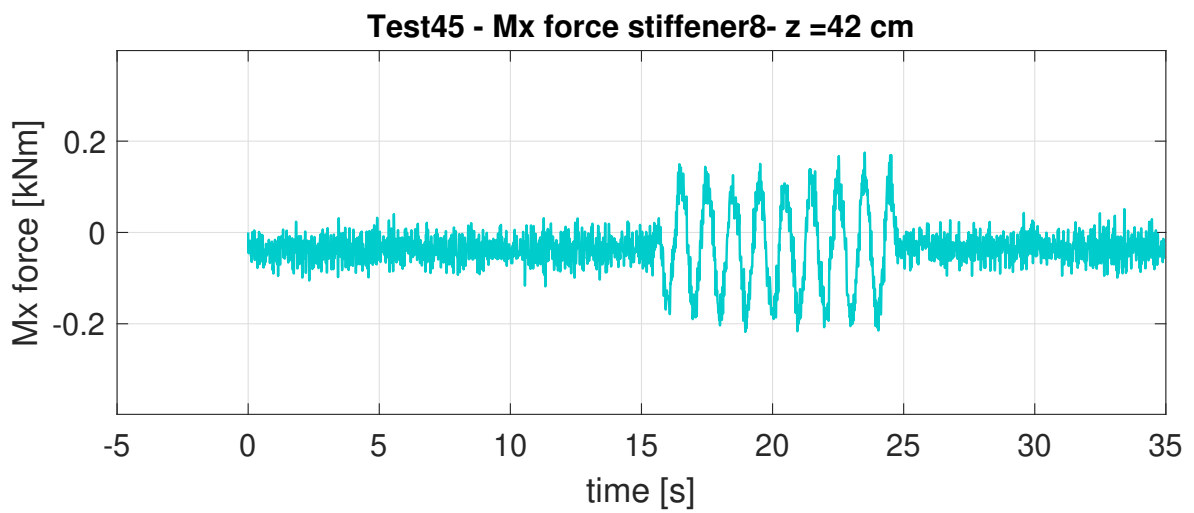
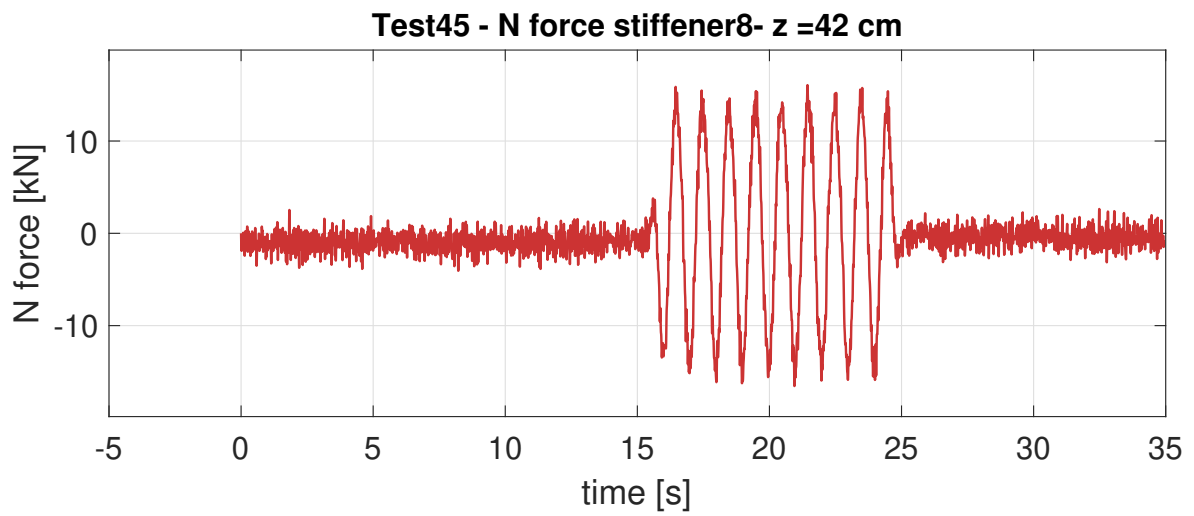
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- Montante numero 7

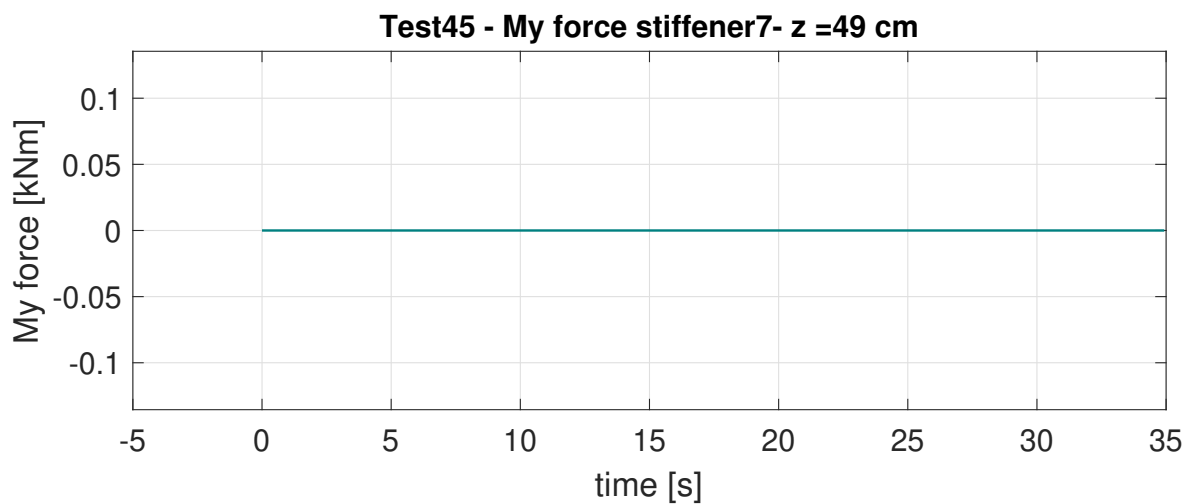
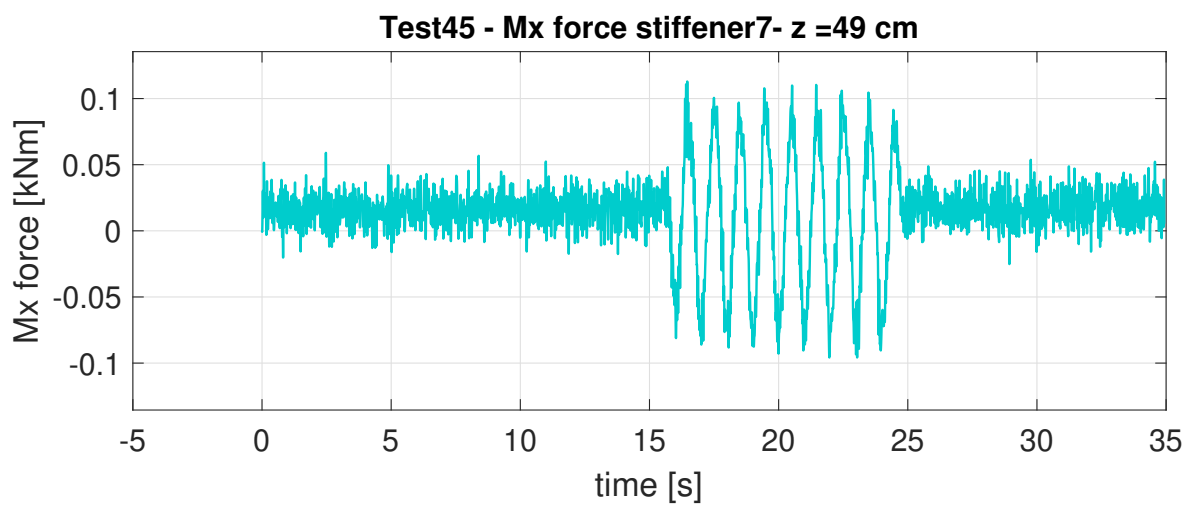
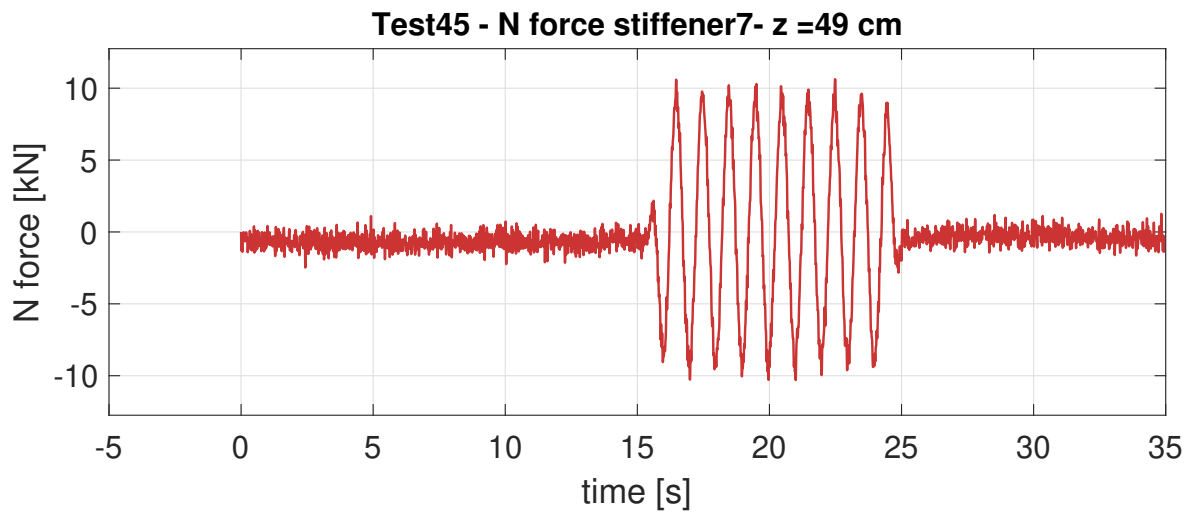


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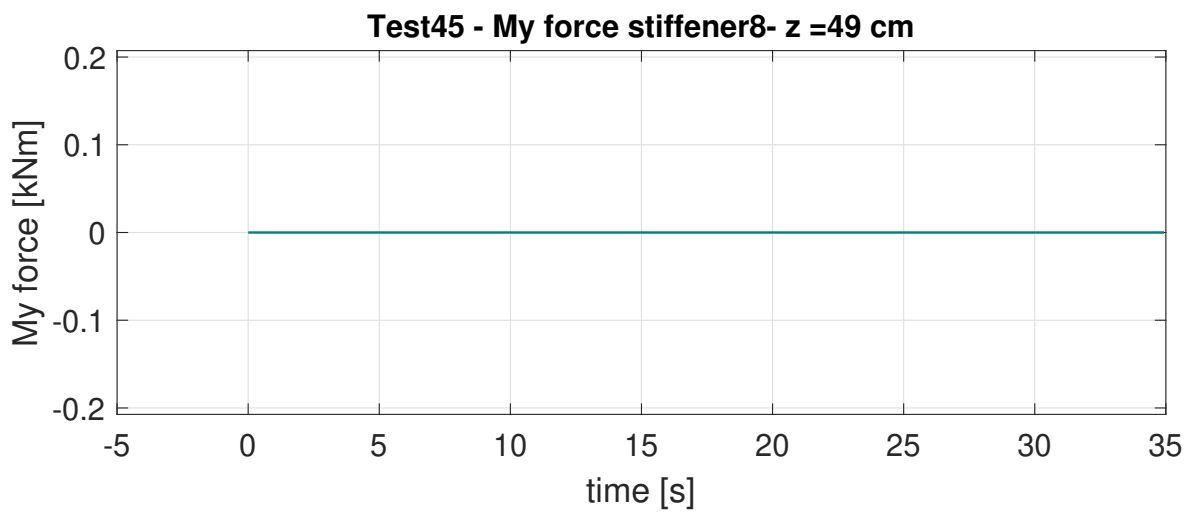
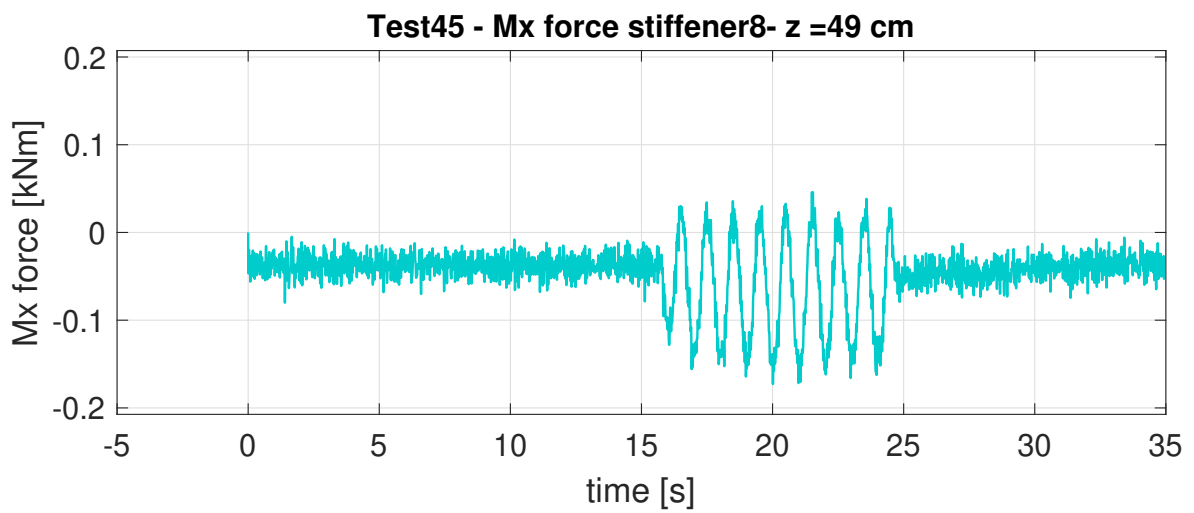
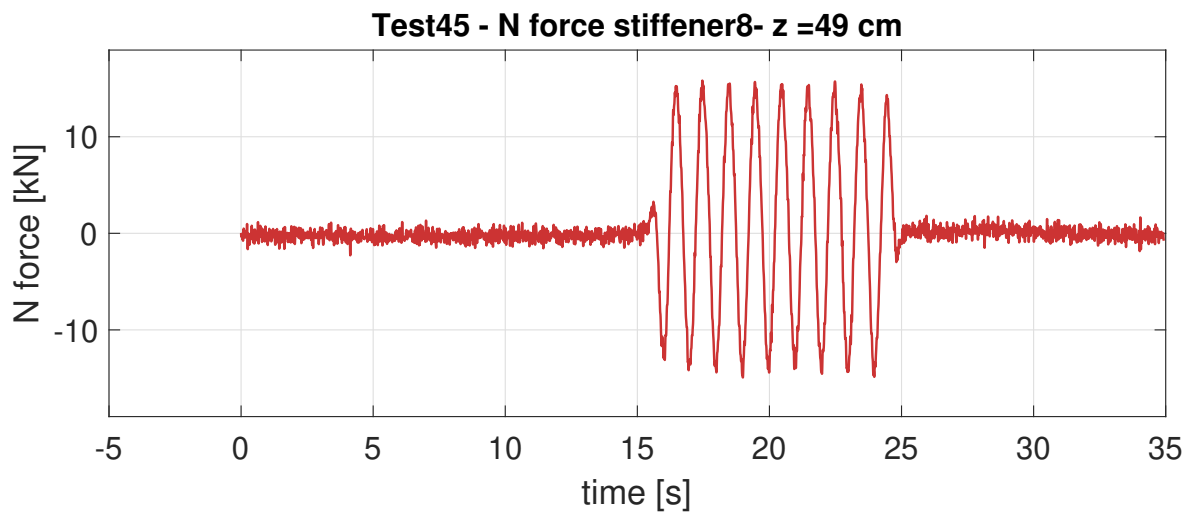
**Quota z = 49 cm**

– Montante numero 7



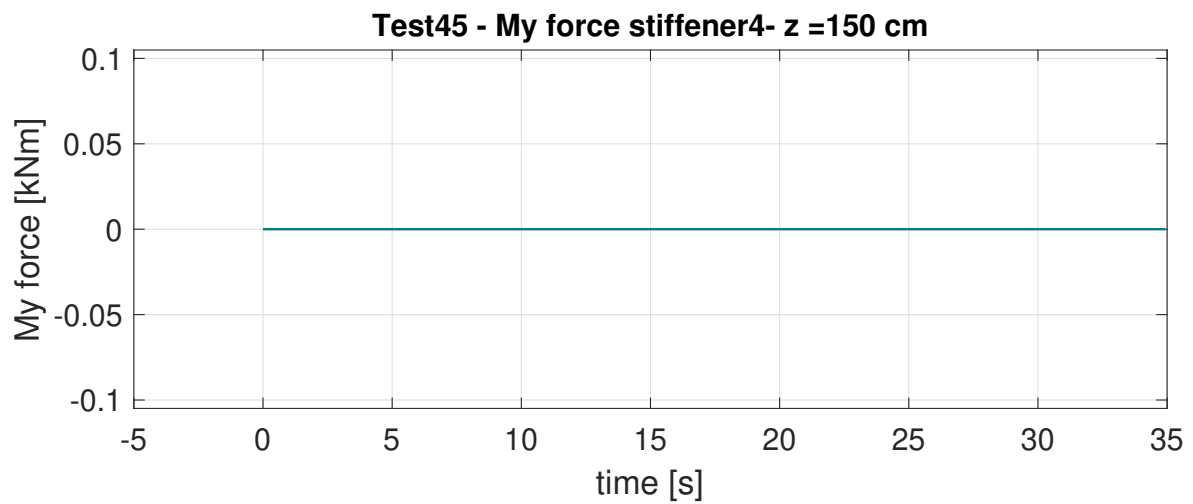
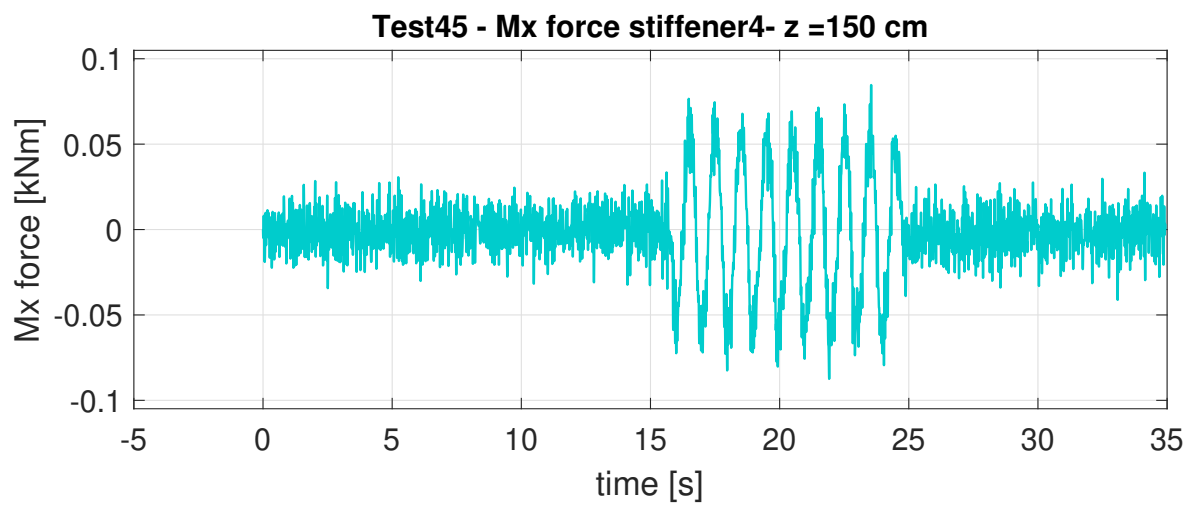
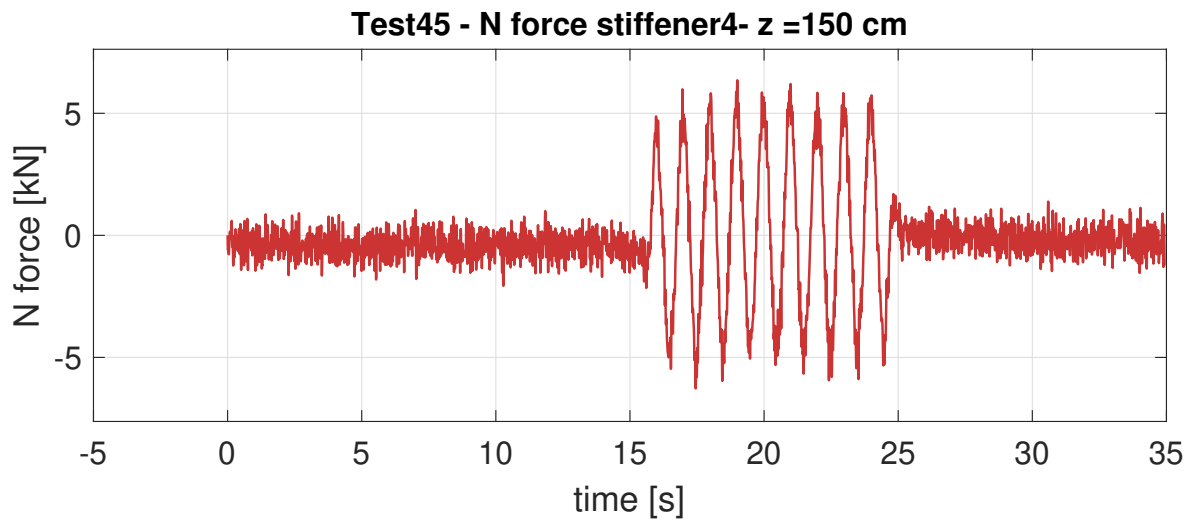


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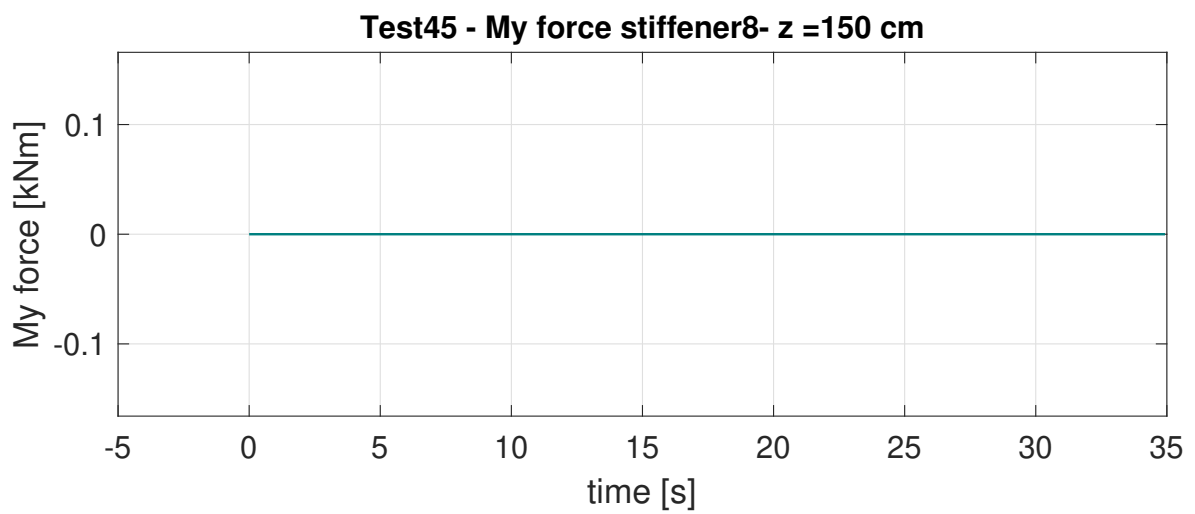
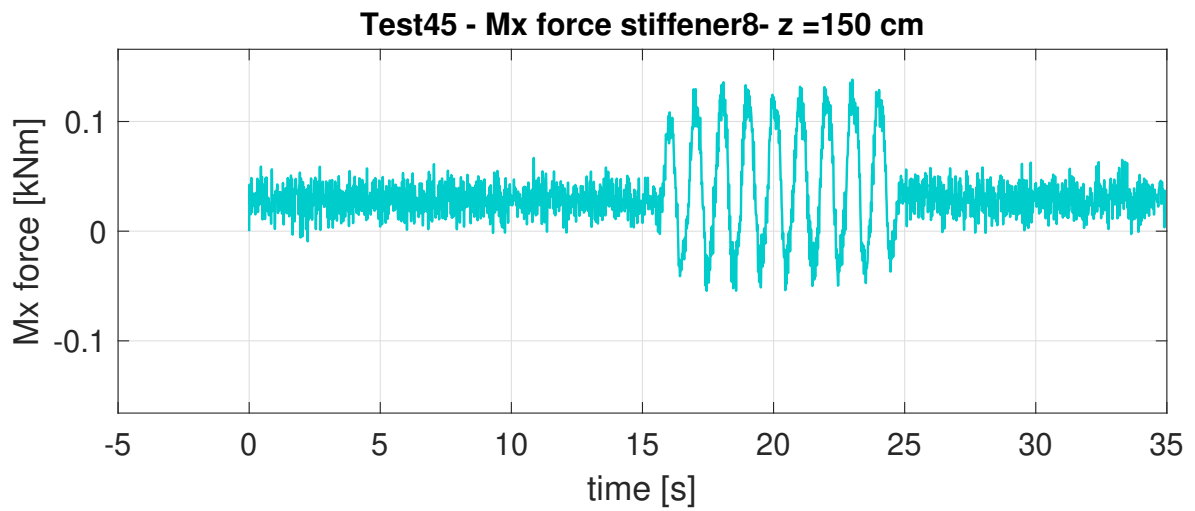
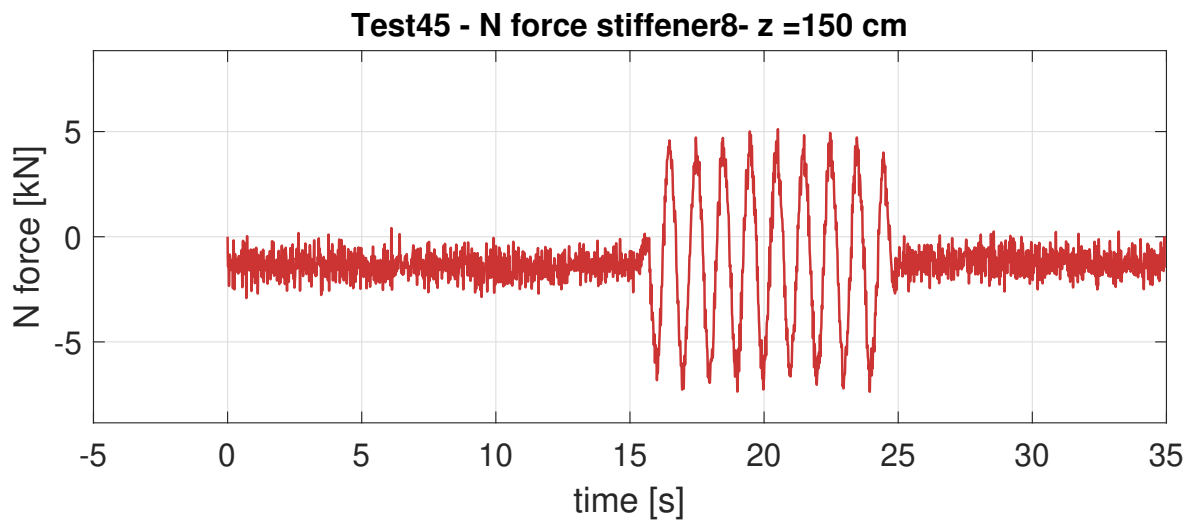


**Quota z = 150 cm**

– Montante numero 4

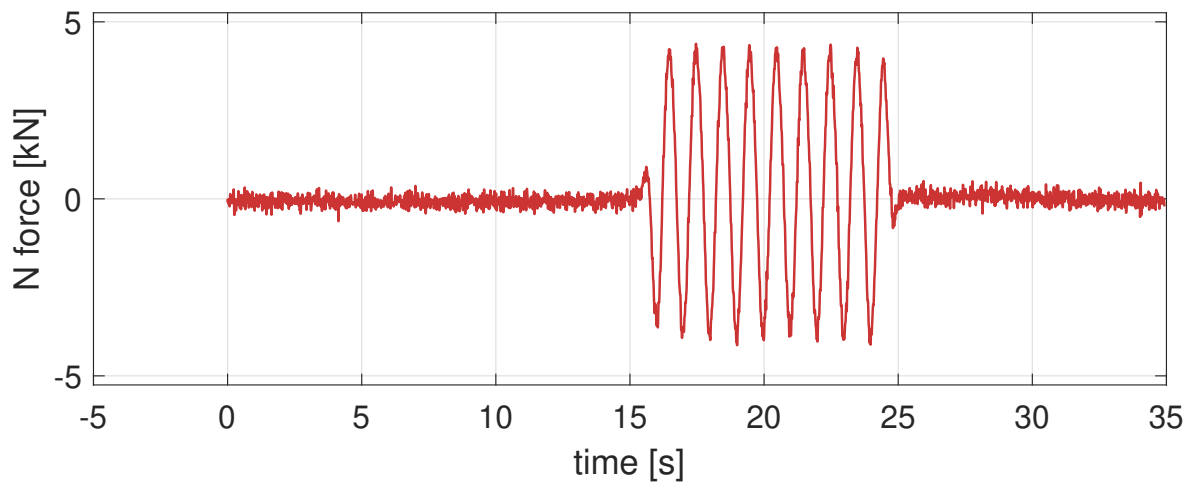
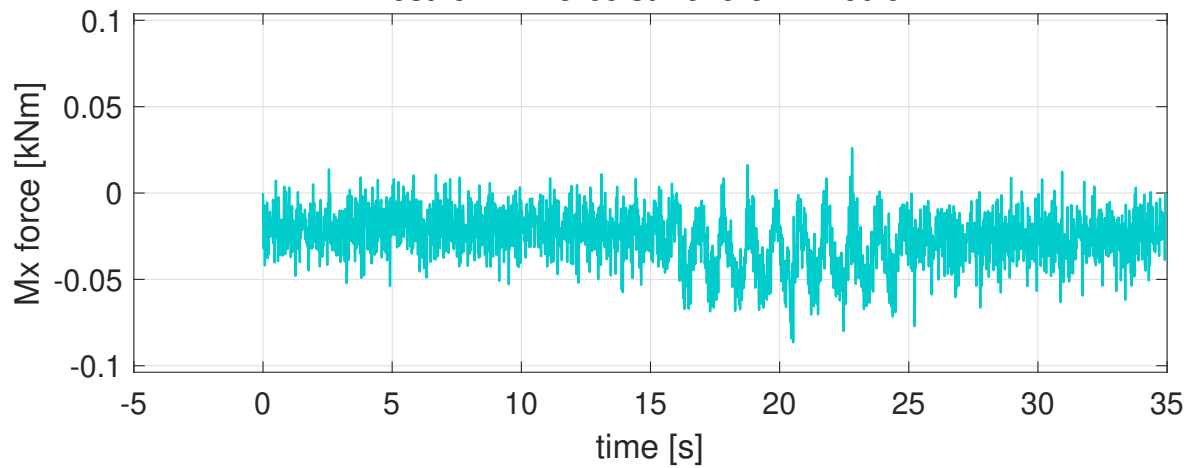
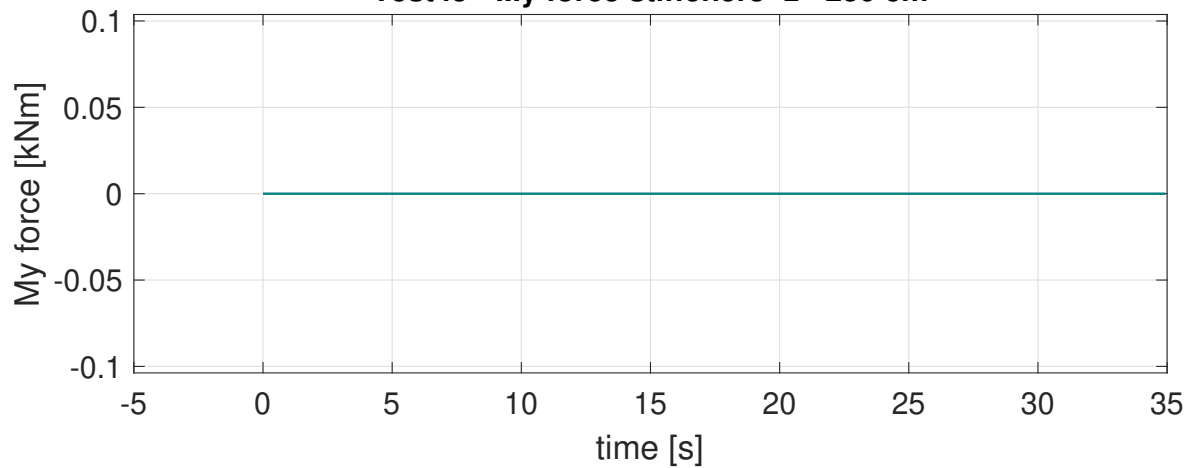


- Montante numero 8



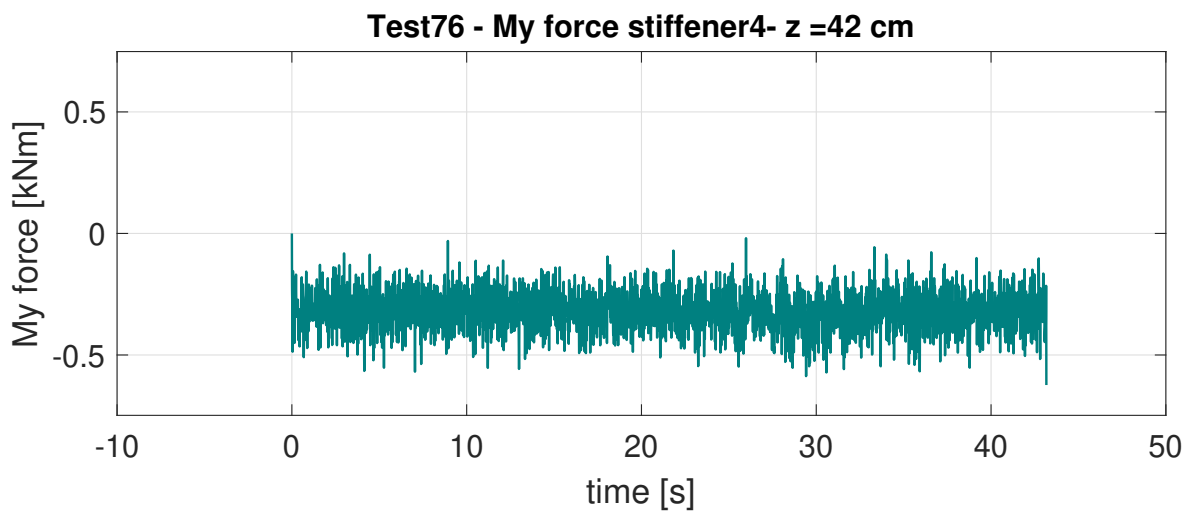
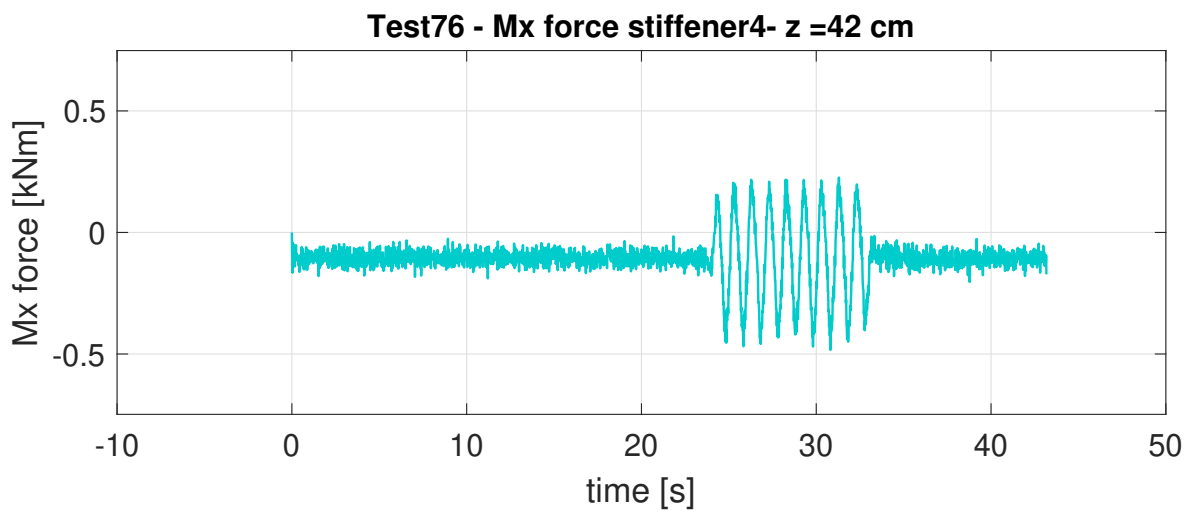
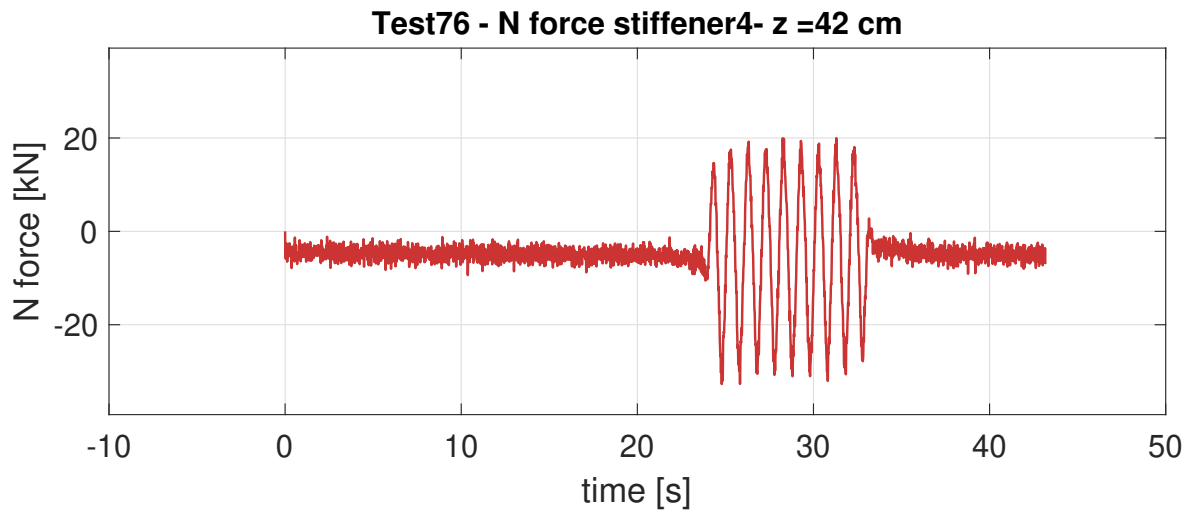
**Quota z = 250 cm**

– Montante numero 8

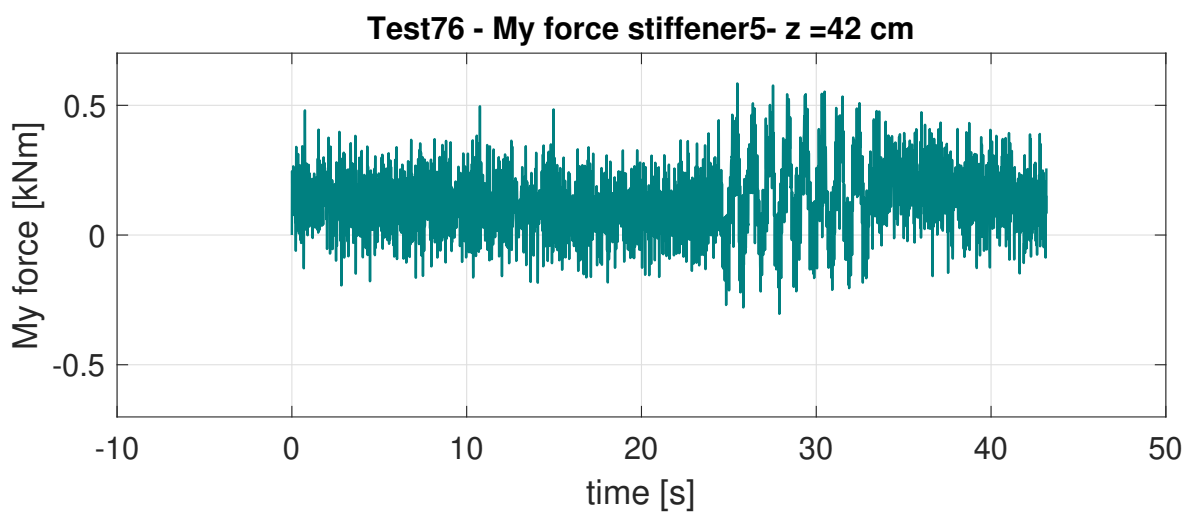
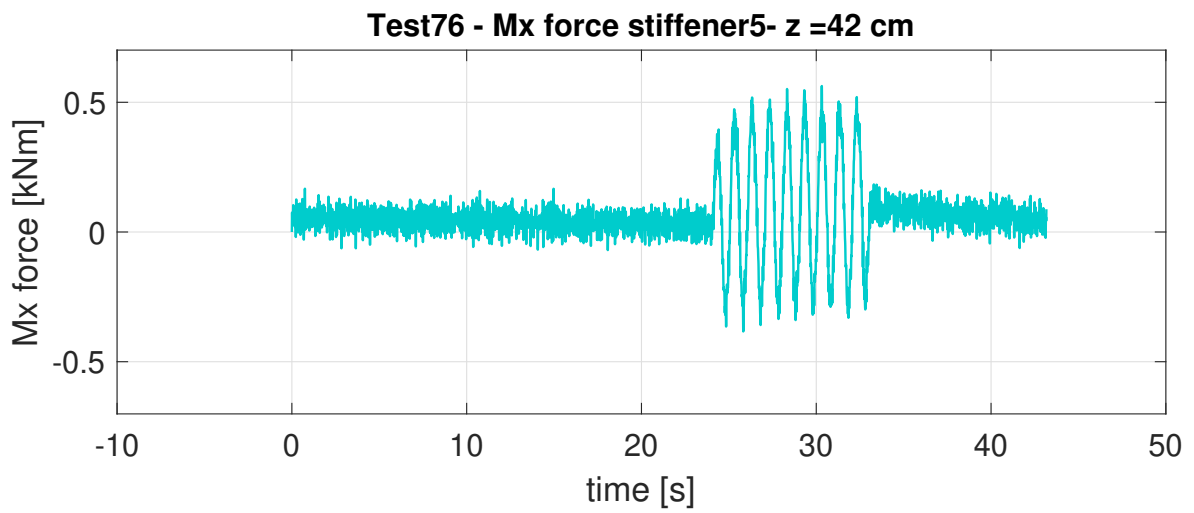
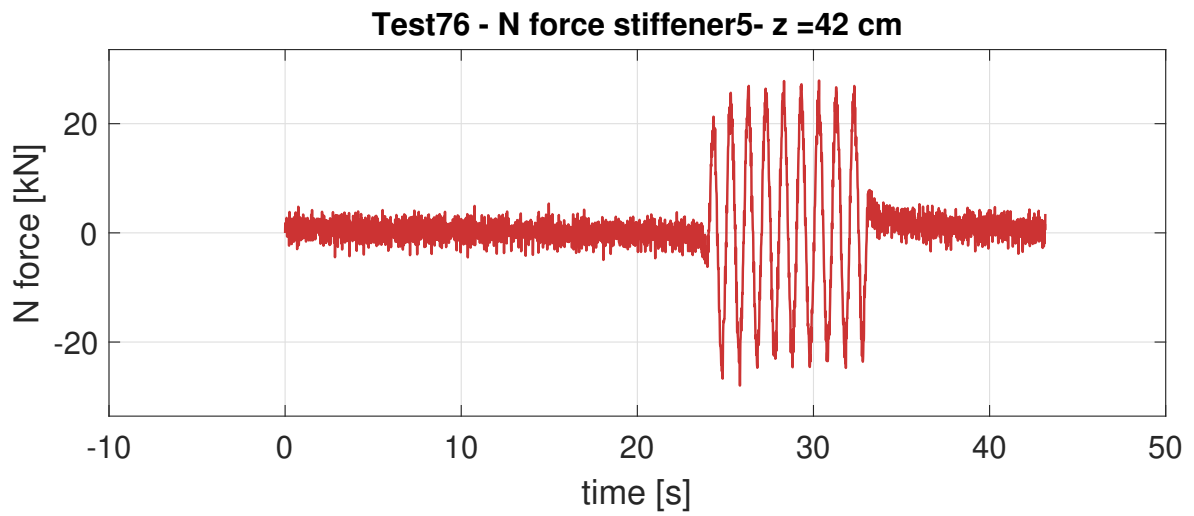
**Test45 - N force stiffener8- z =250 cm****Test45 - Mx force stiffener8- z =250 cm****Test45 - My force stiffener8- z =250 cm**

- Sinusoide 0.5 g  
Quota z = 42 cm

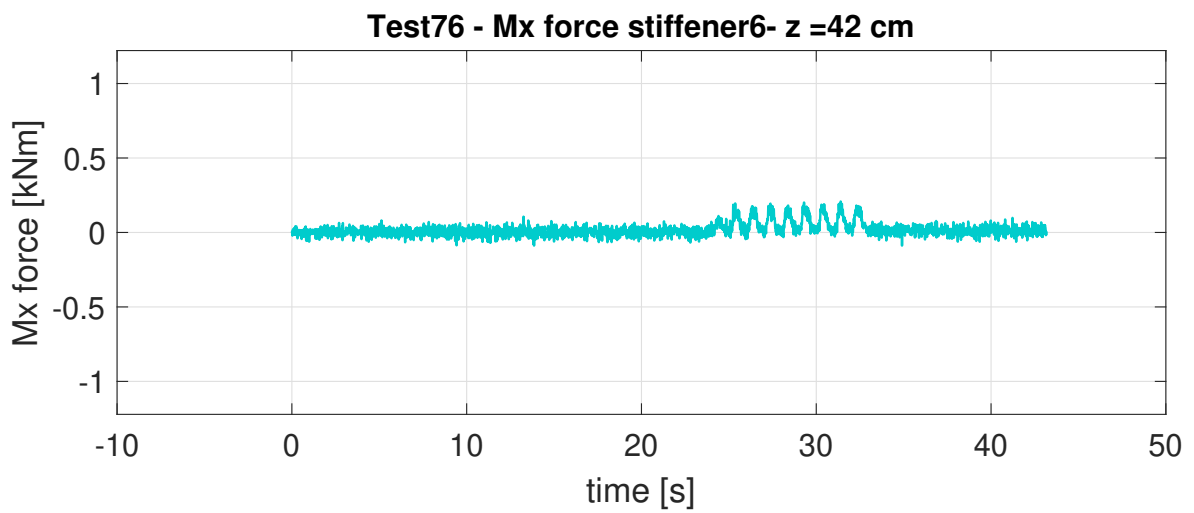
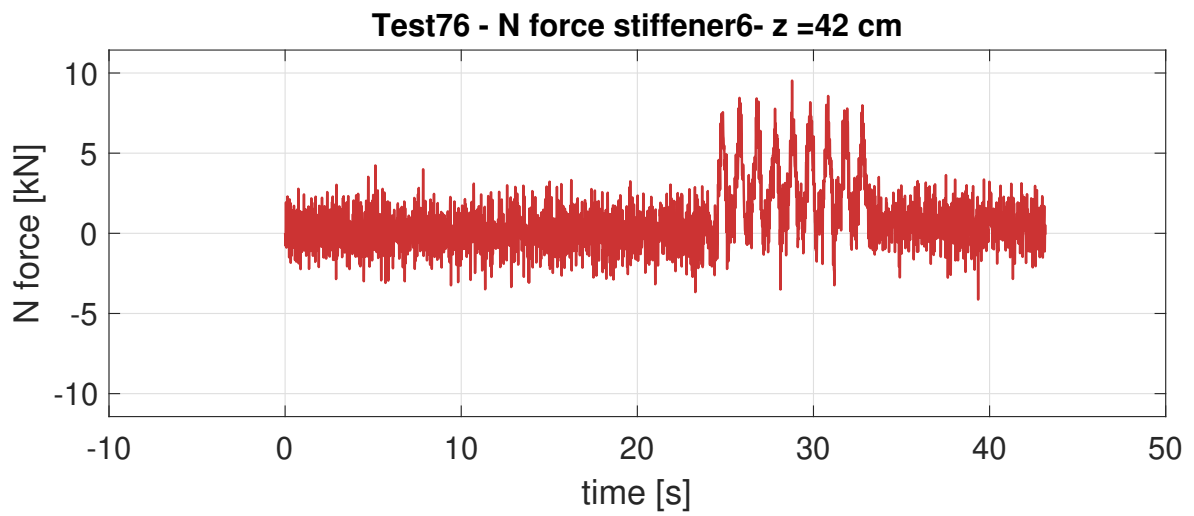
– Montante numero 4



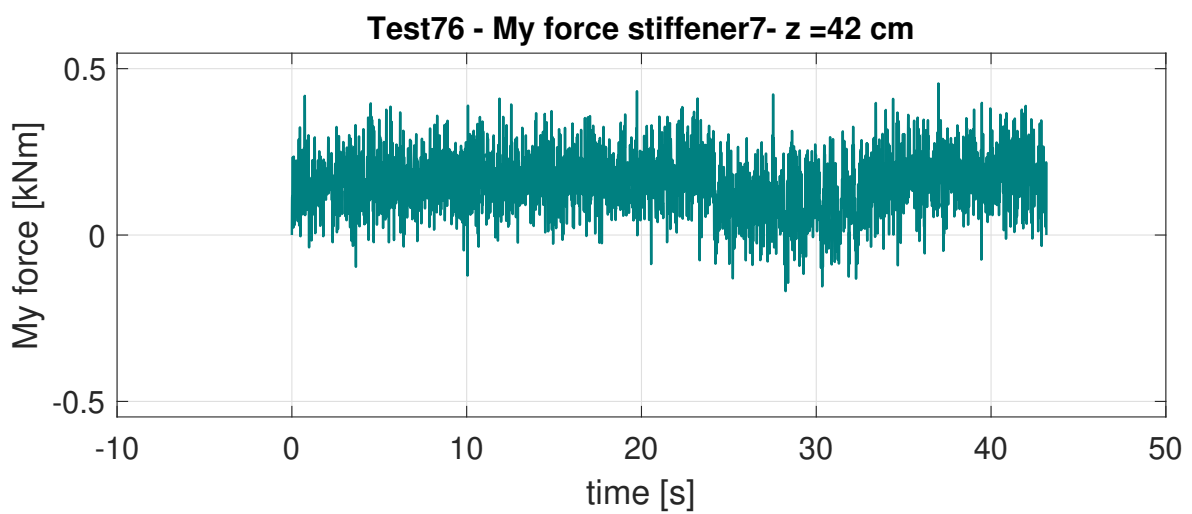
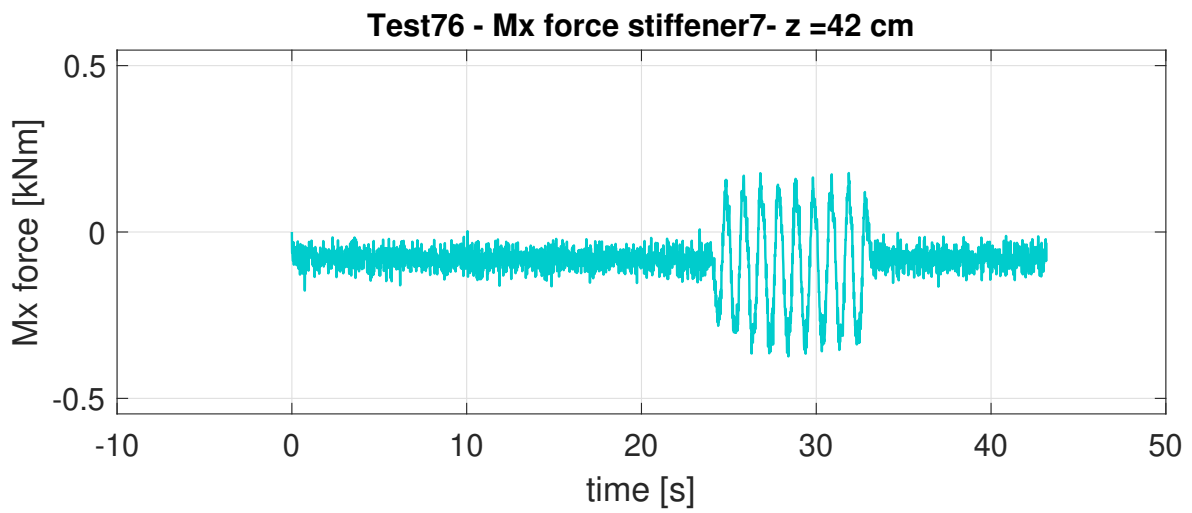
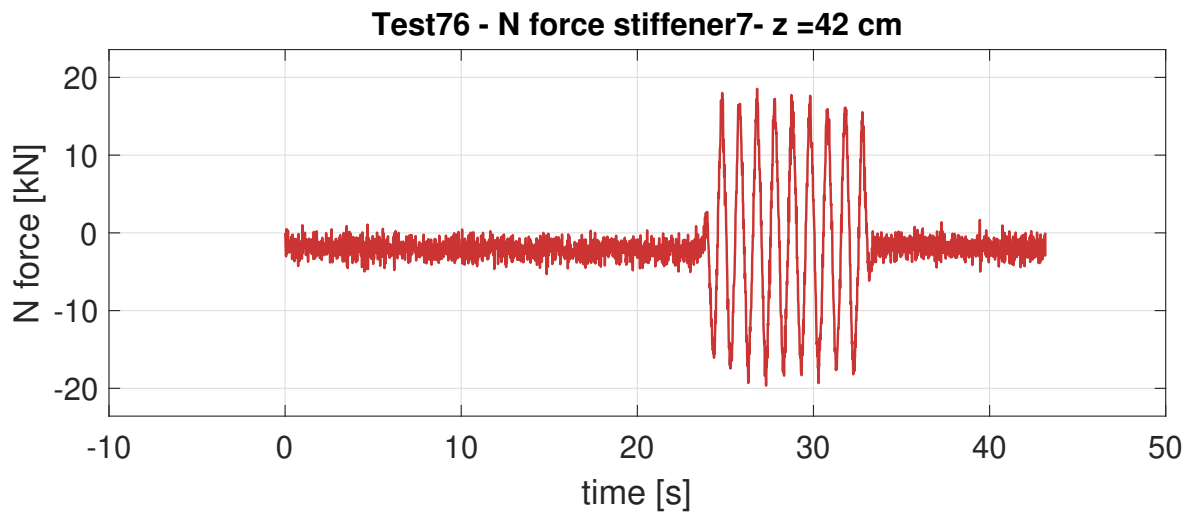
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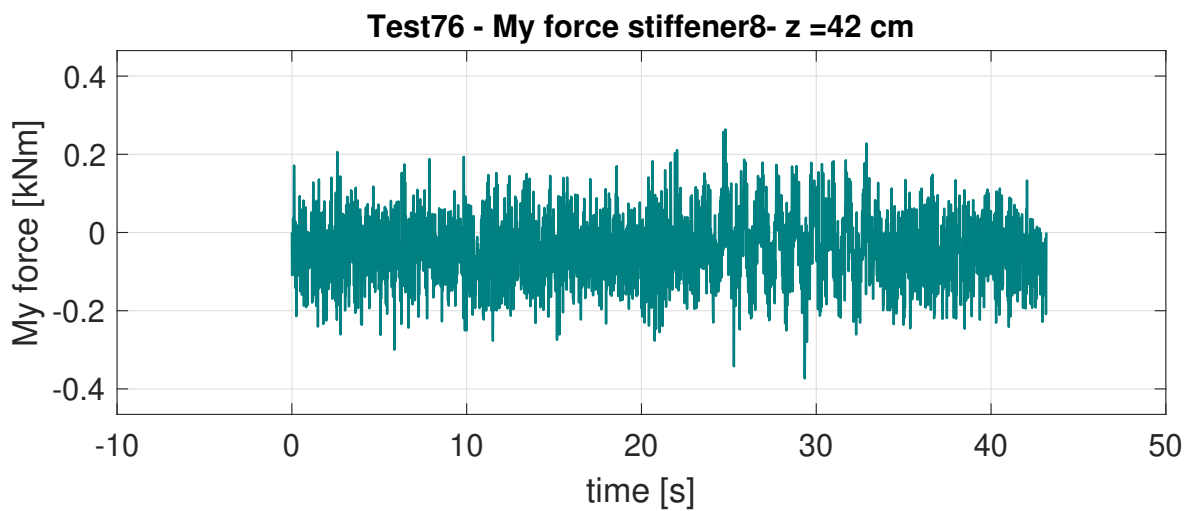
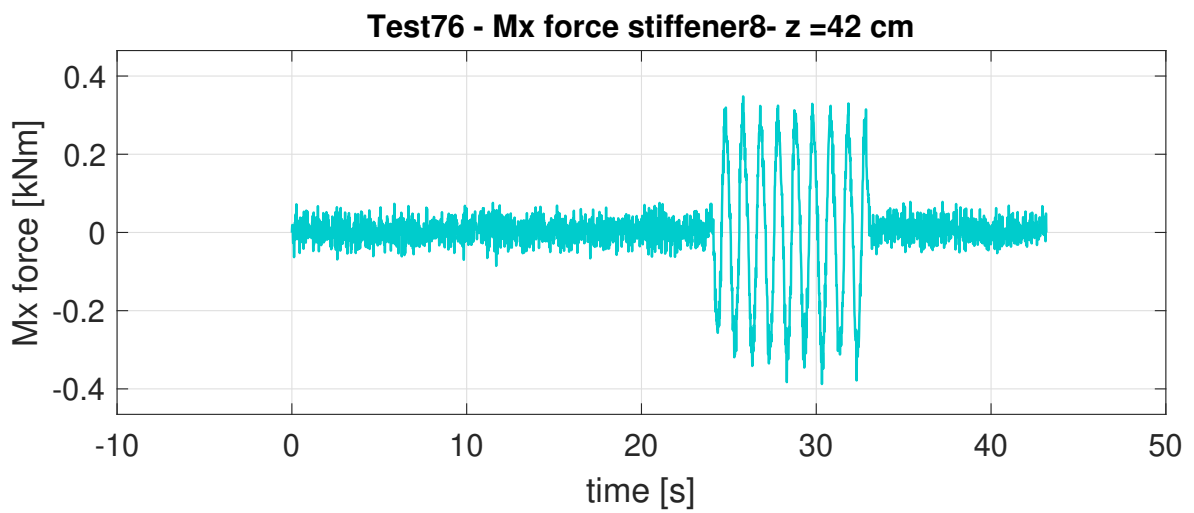
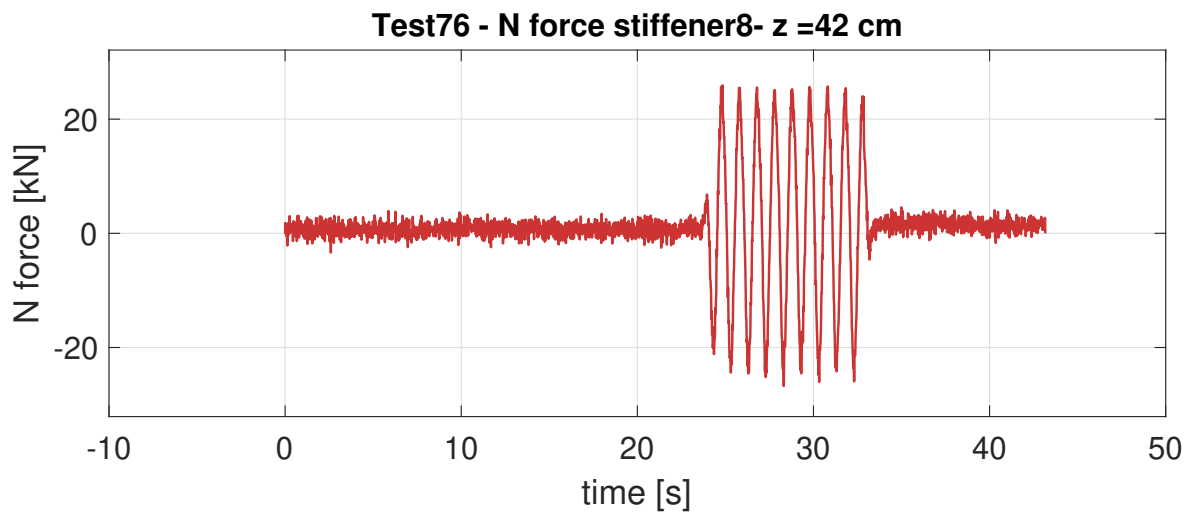


- Montante numero 7



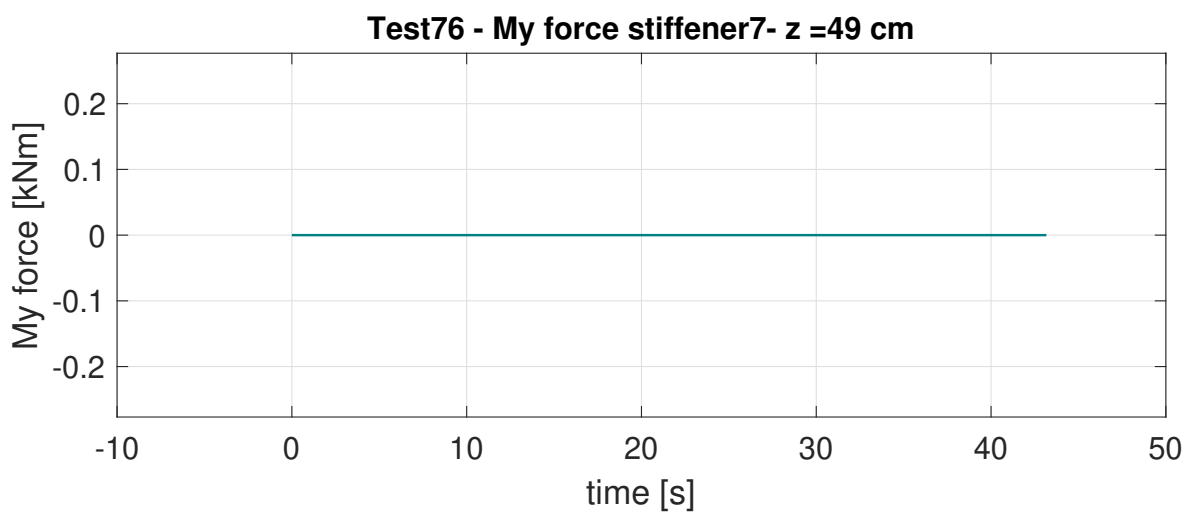
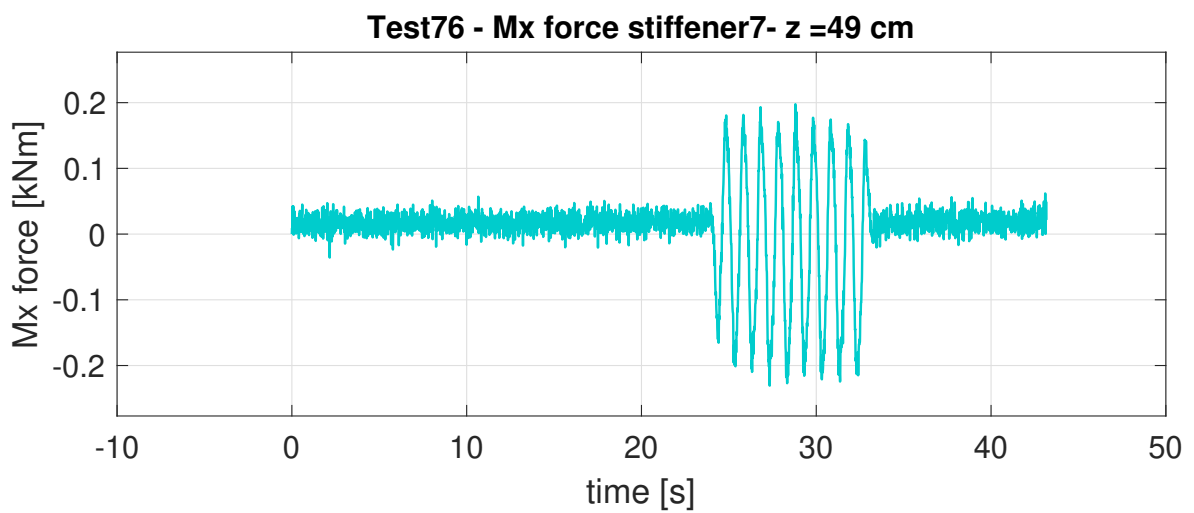
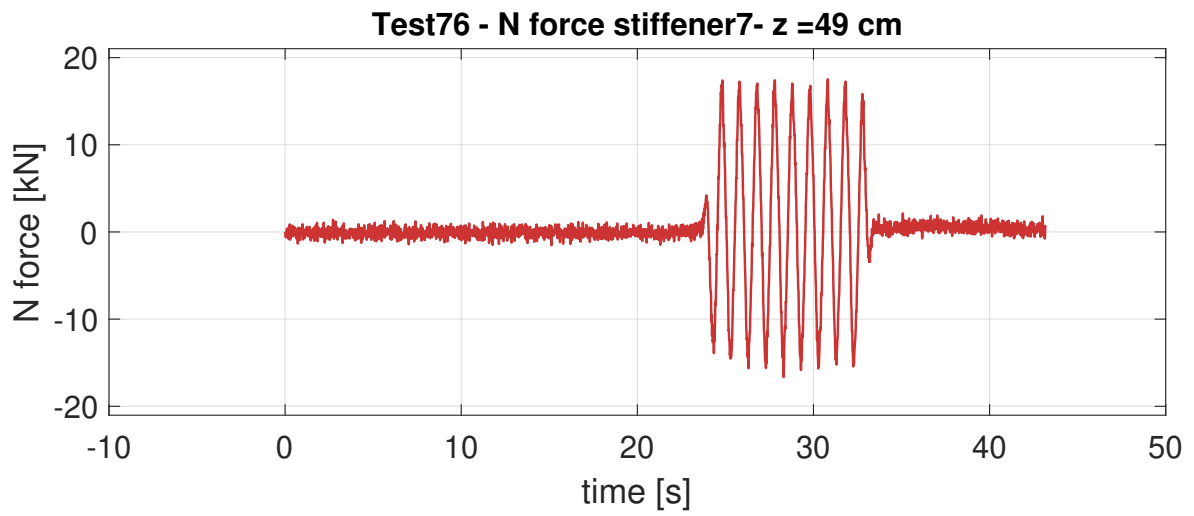


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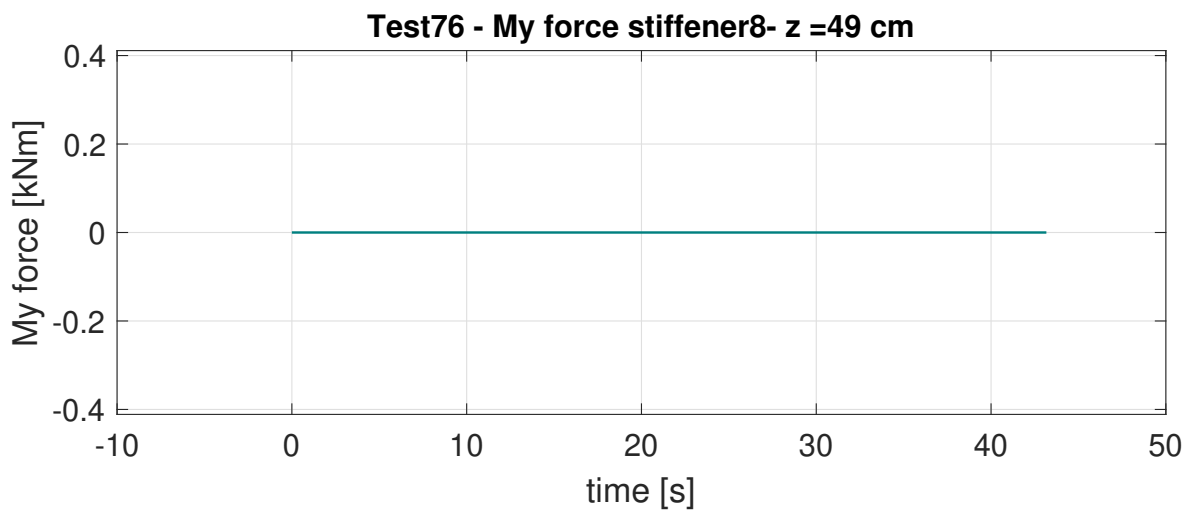
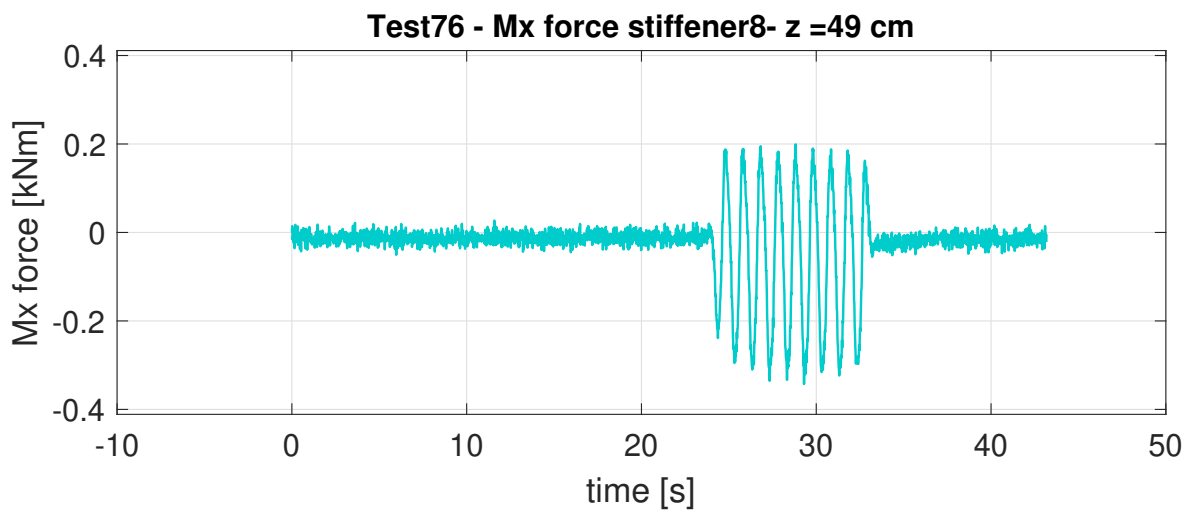
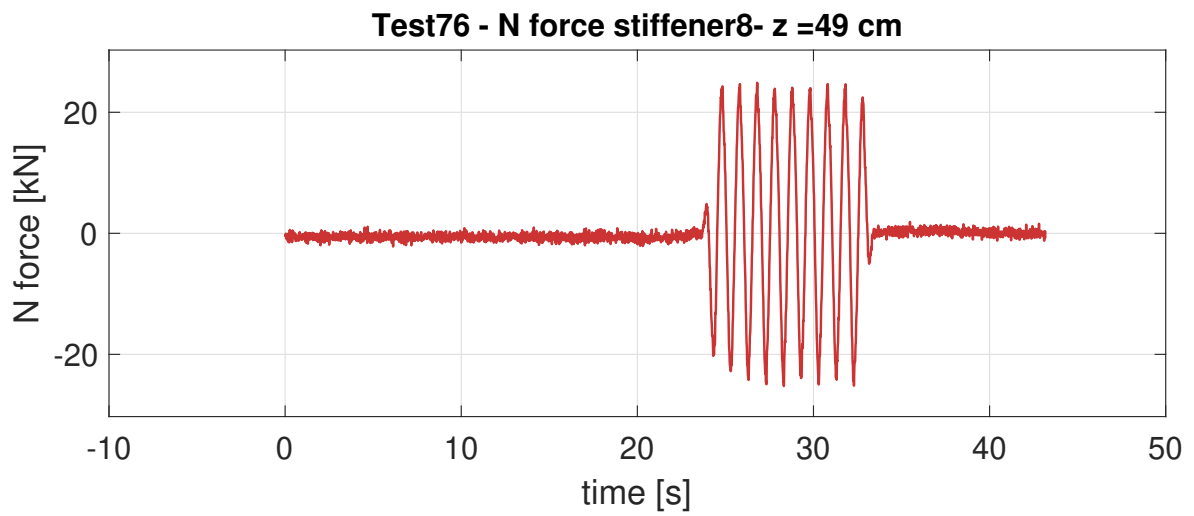


**Quota z = 49 cm**

– Montante numero 7

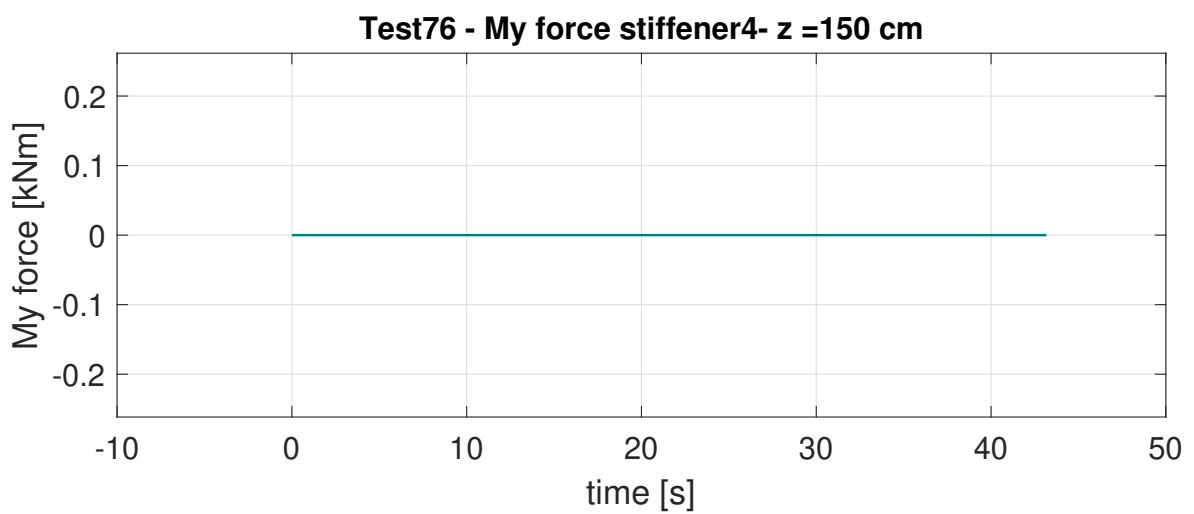
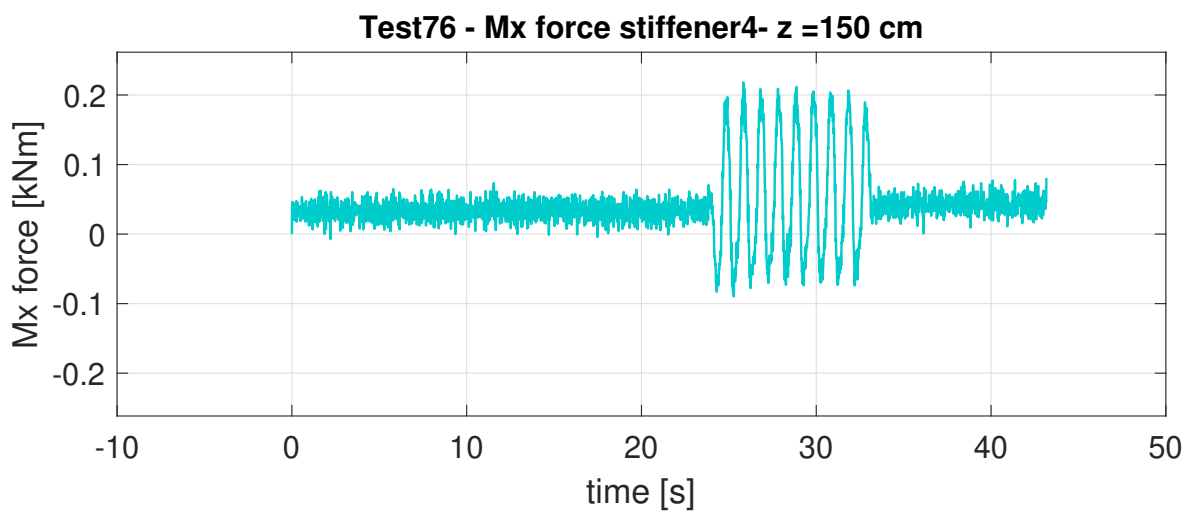
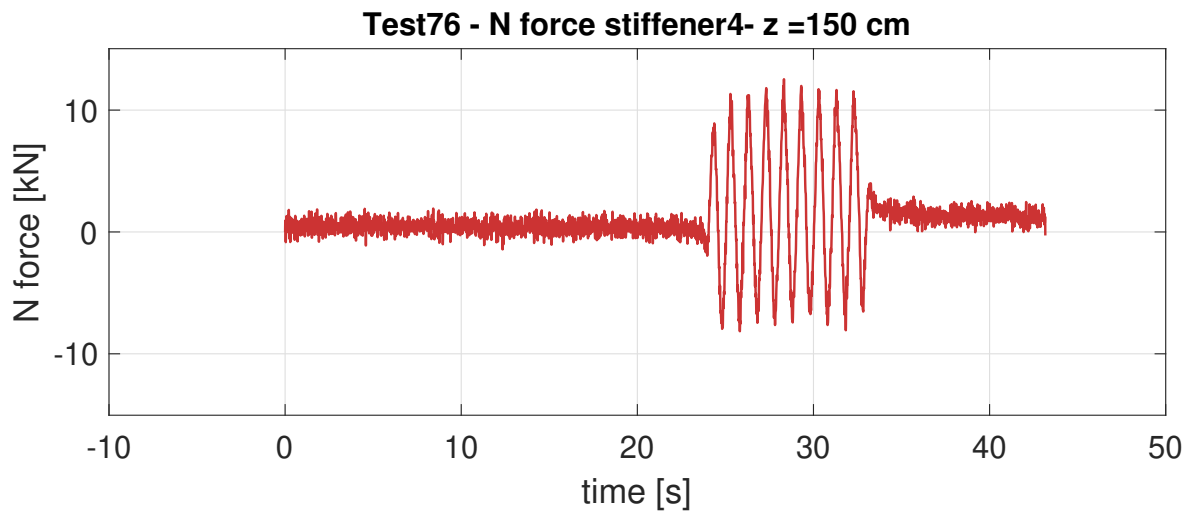


– Montante numero 8

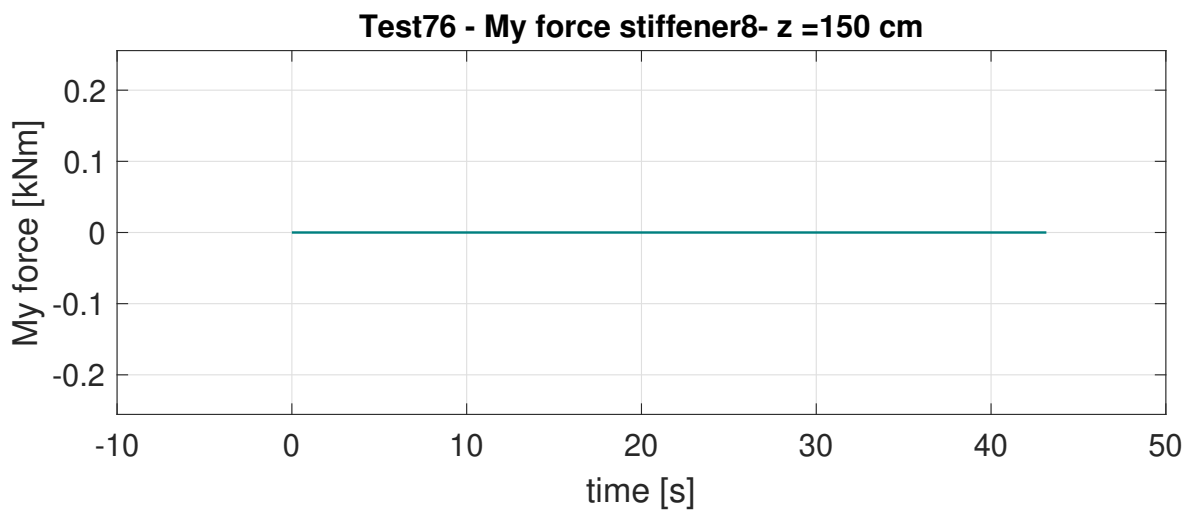
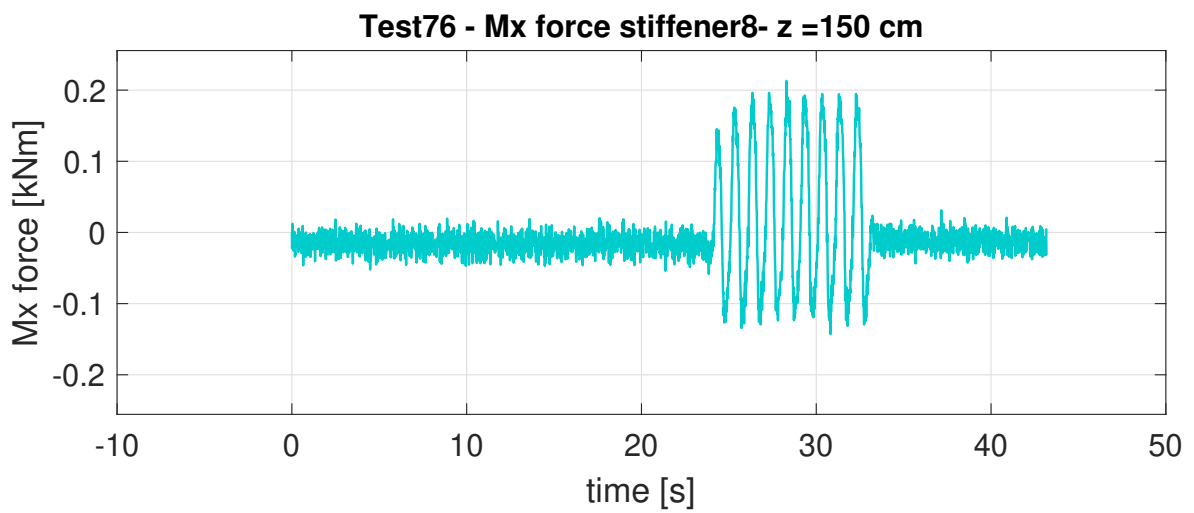
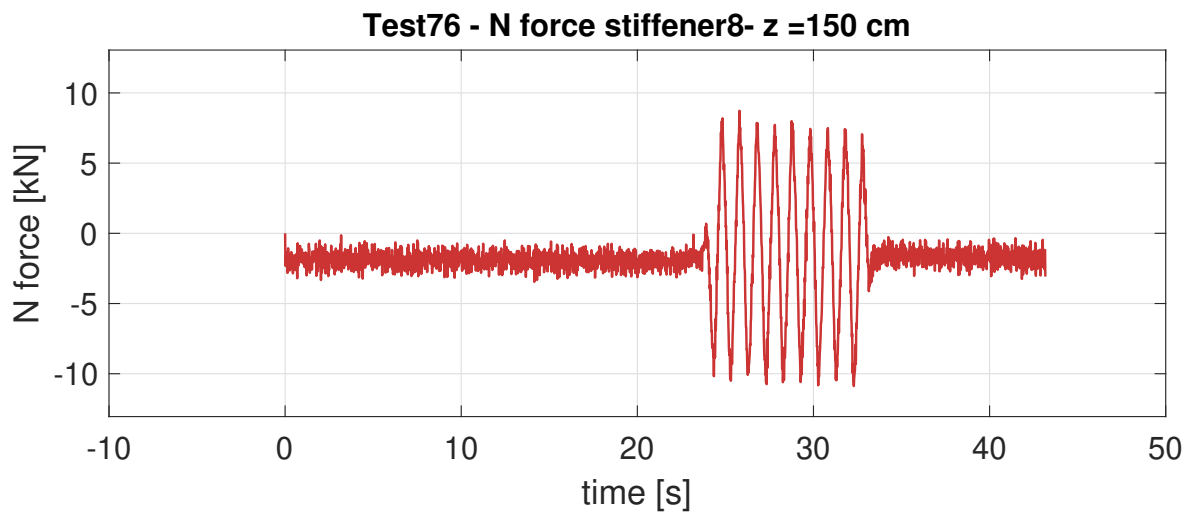


**Quota z = 150 cm**

– Montante numero 4

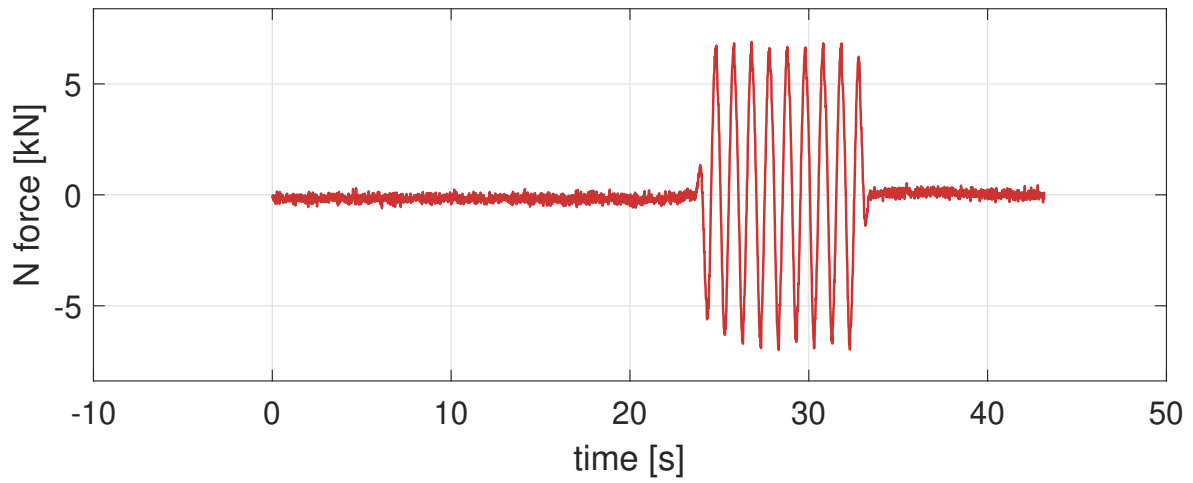
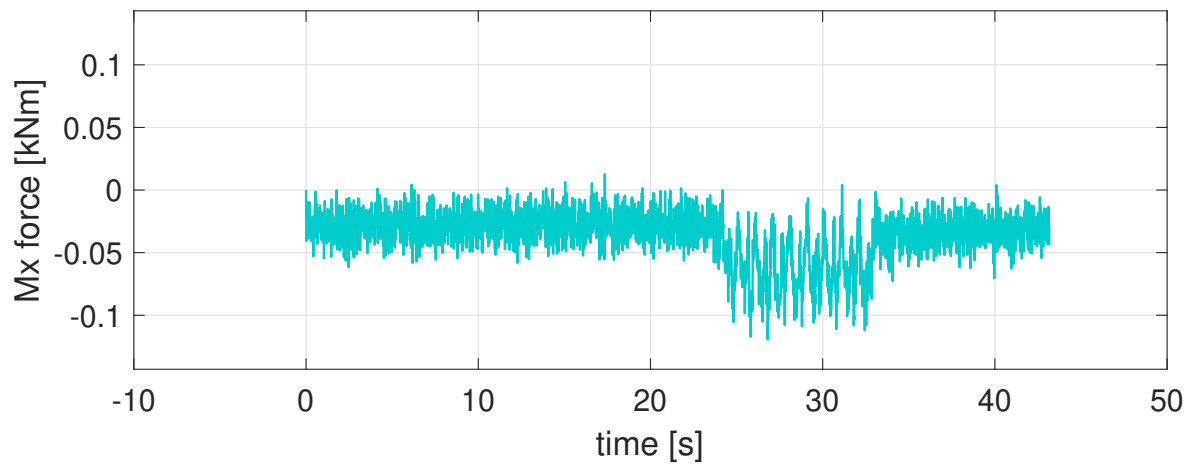
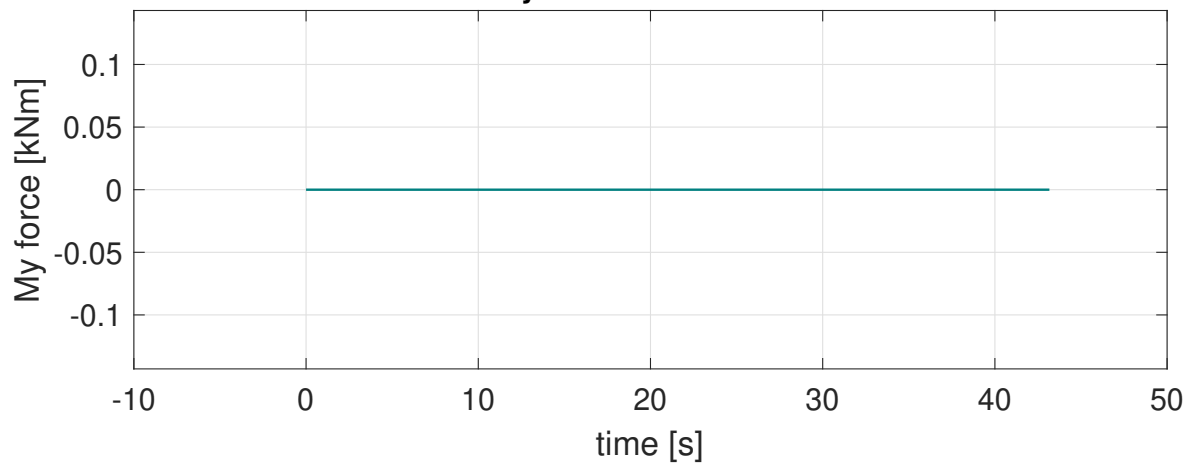


- Montante numero 8



**Quota z = 250 cm**

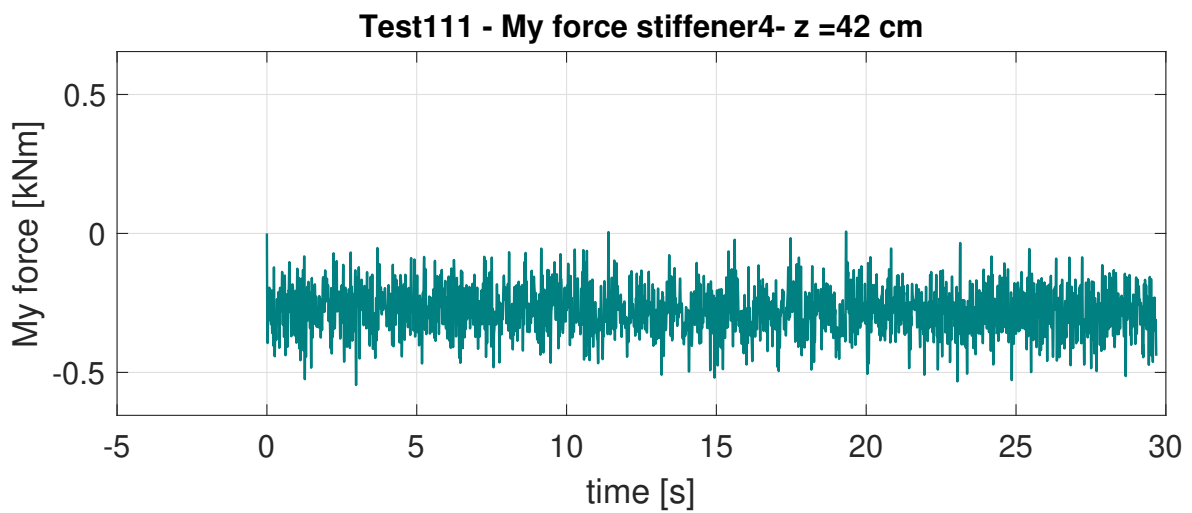
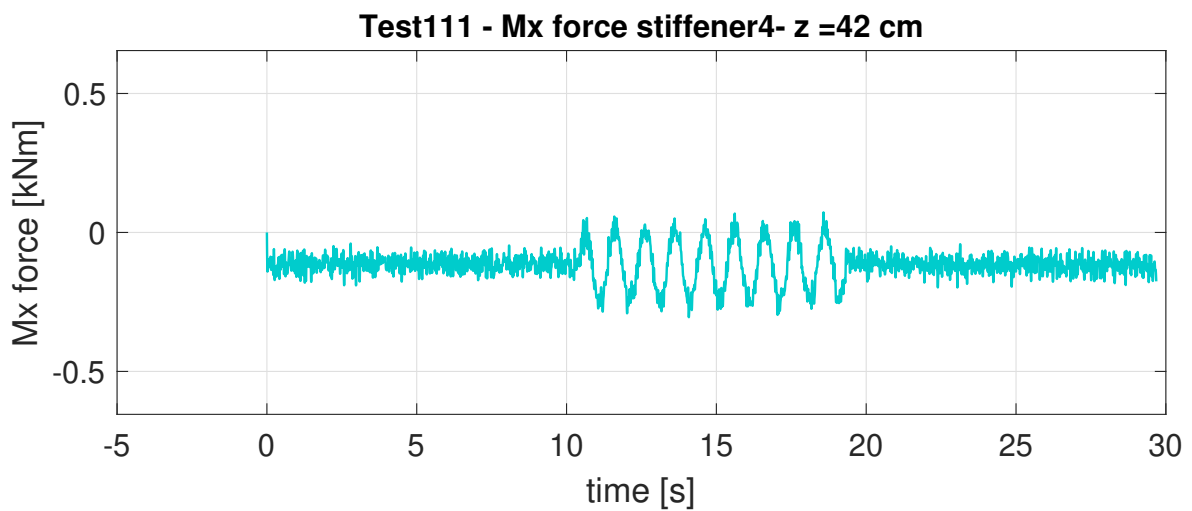
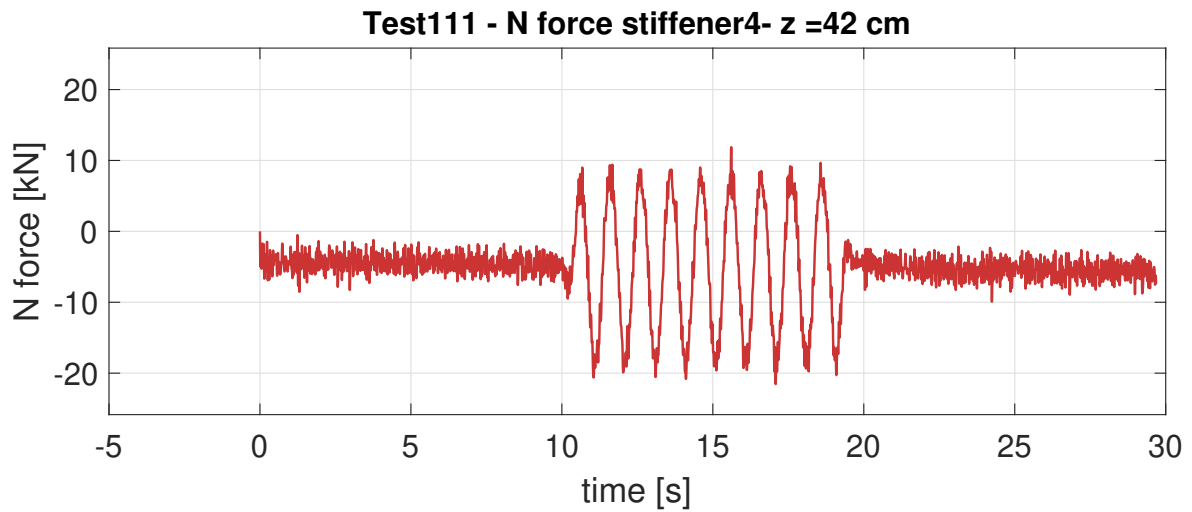
– Montante numero 8

**Test76 - N force stiffener8- z =250 cm****Test76 - Mx force stiffener8- z =250 cm****Test76 - My force stiffener8- z =250 cm**

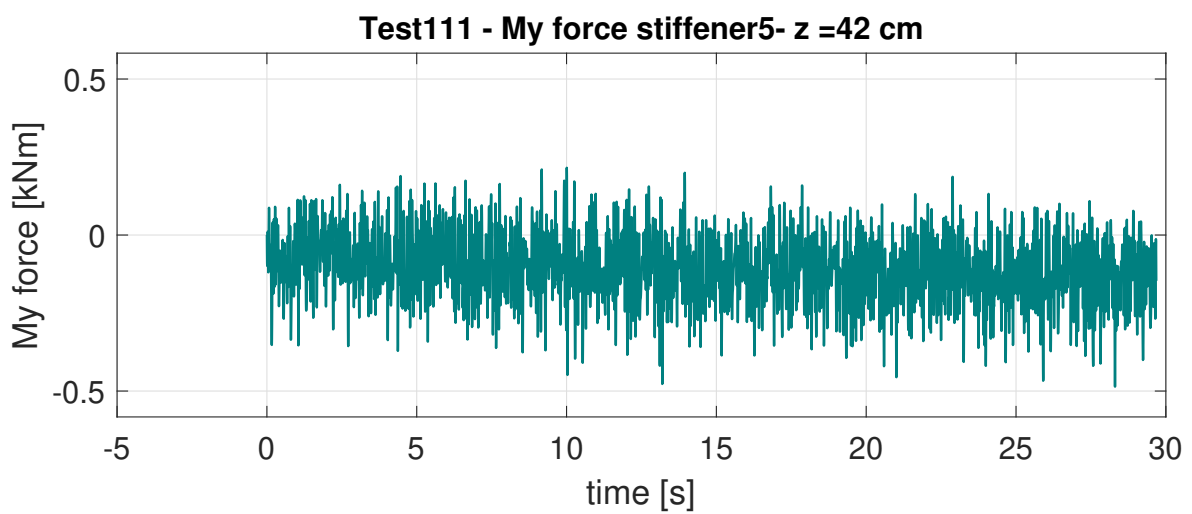
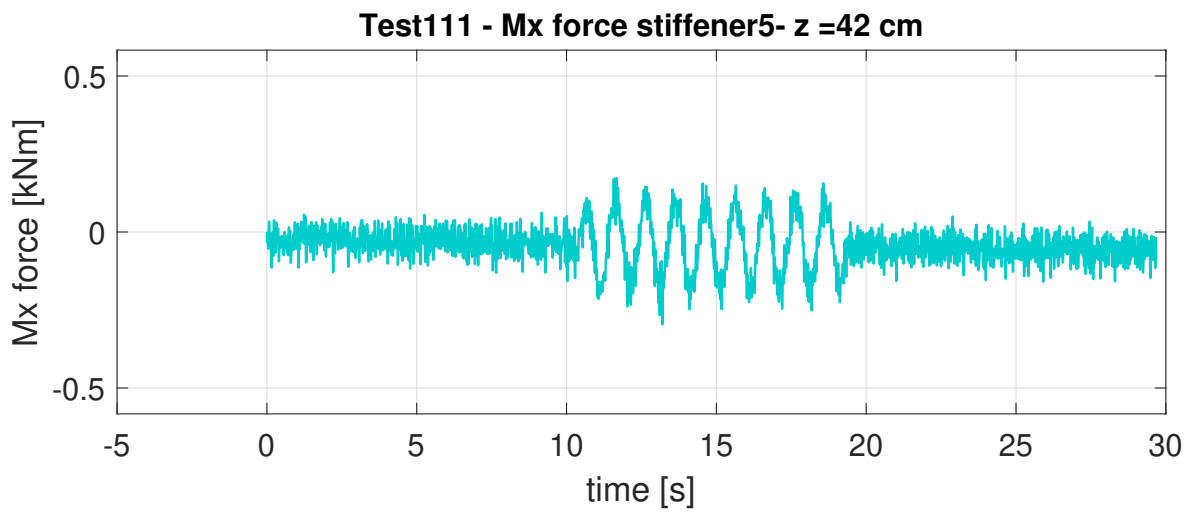
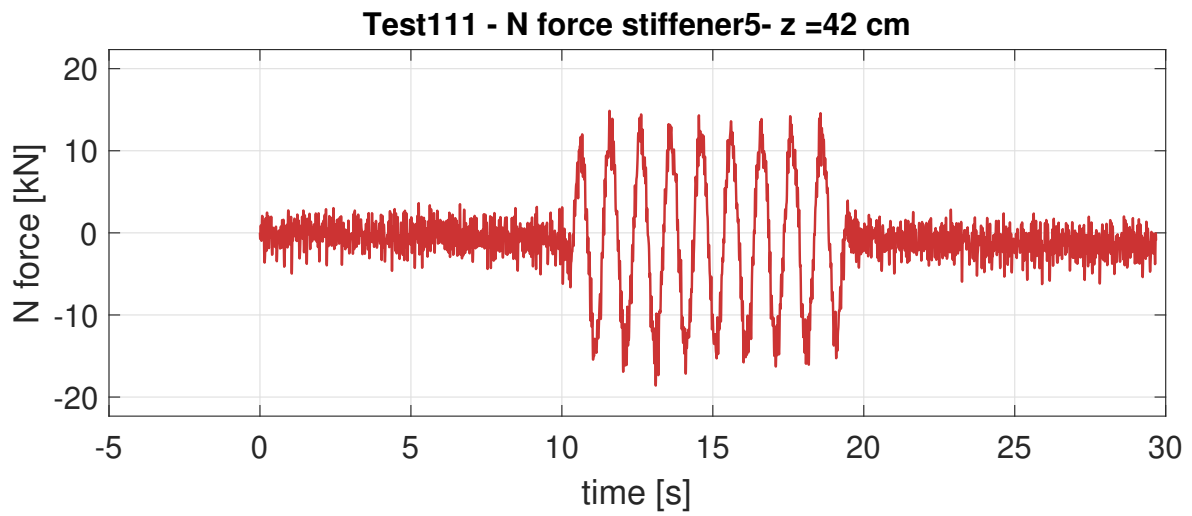
- Sinusoide 0.3 g dopo compattazione

Quota z = 42 cm

– Montante numero 4

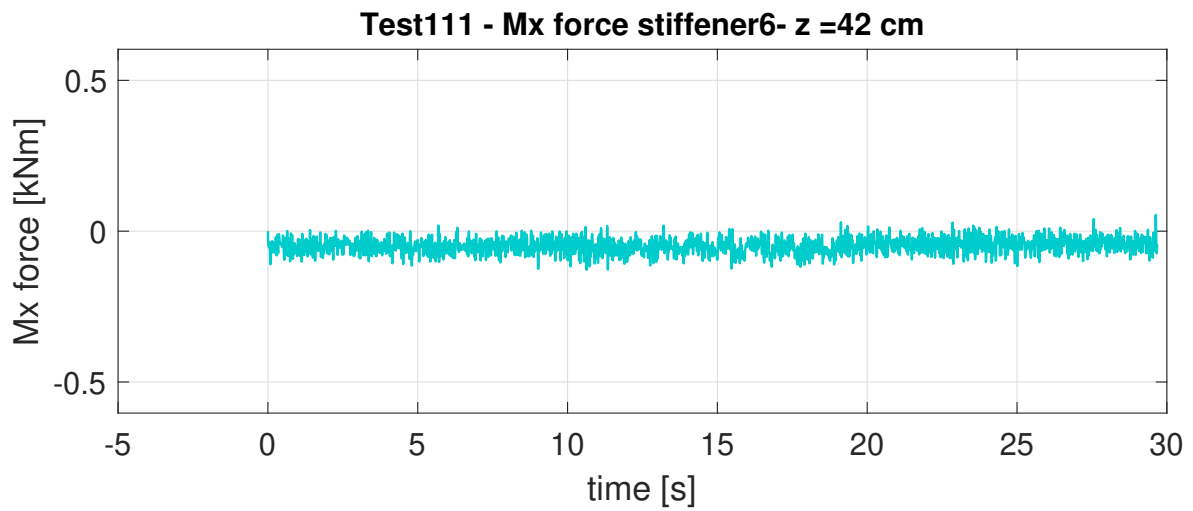
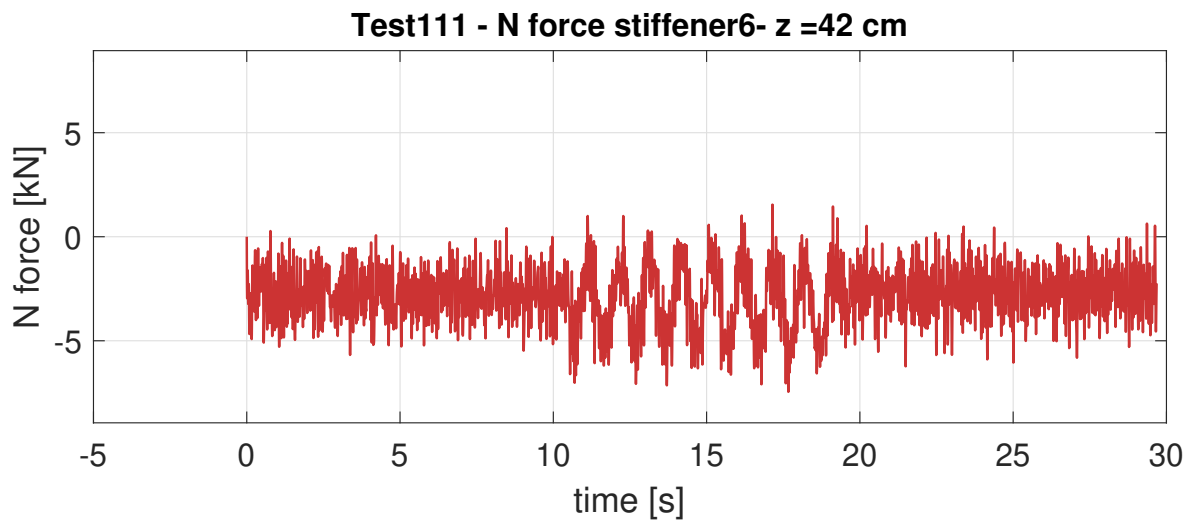


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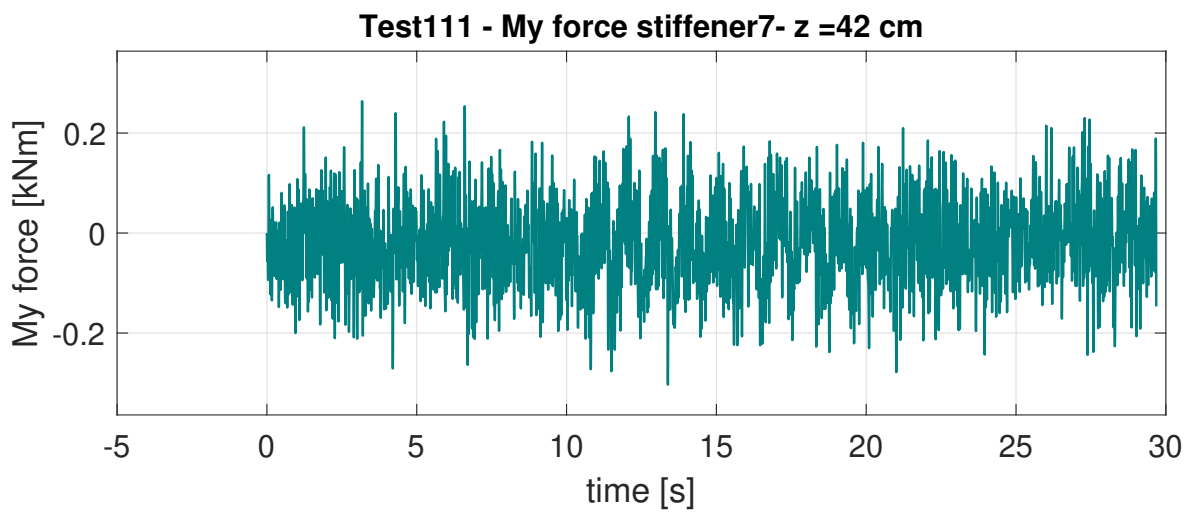
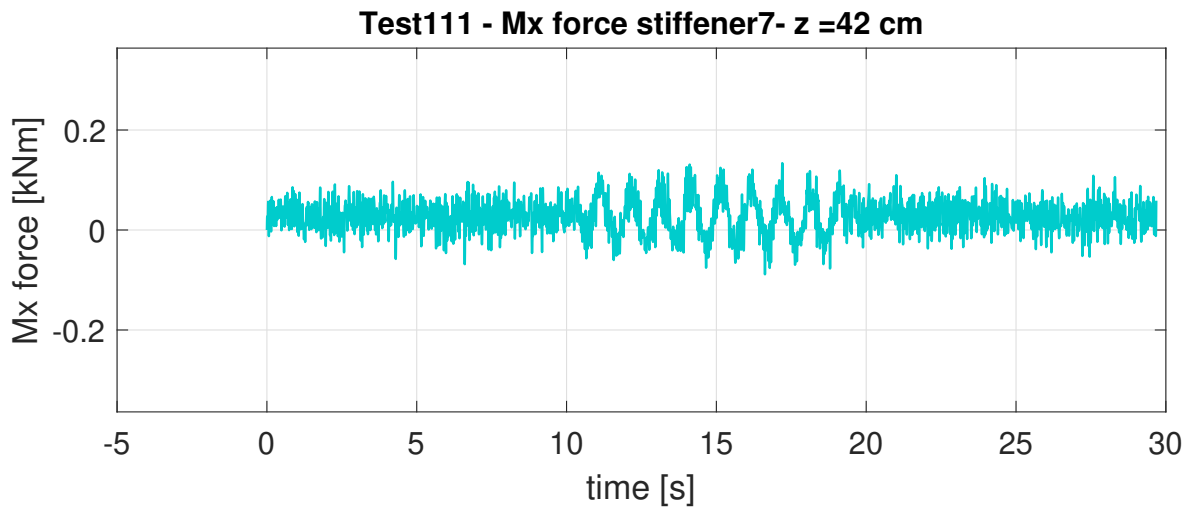
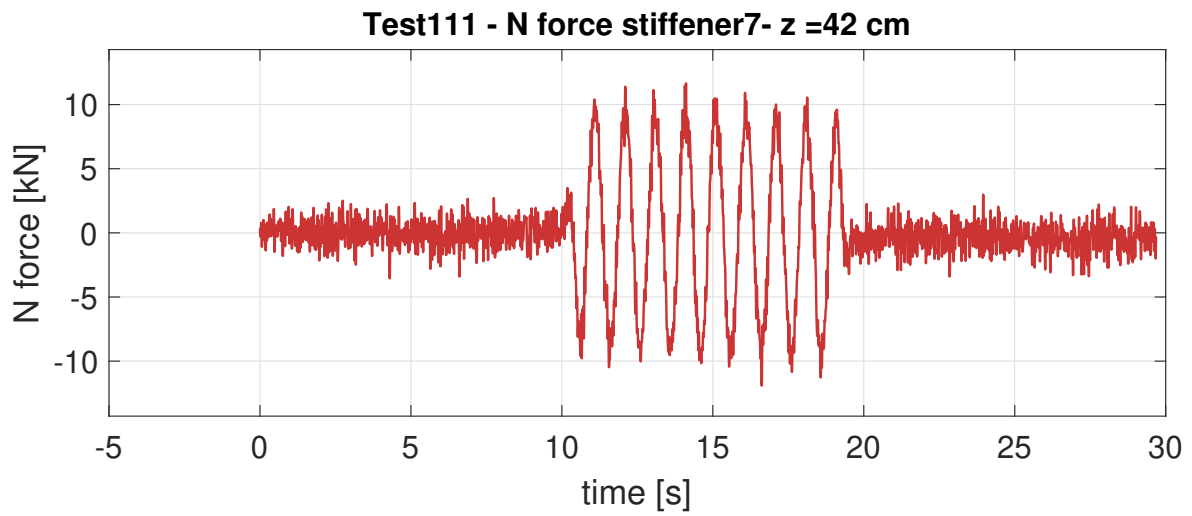




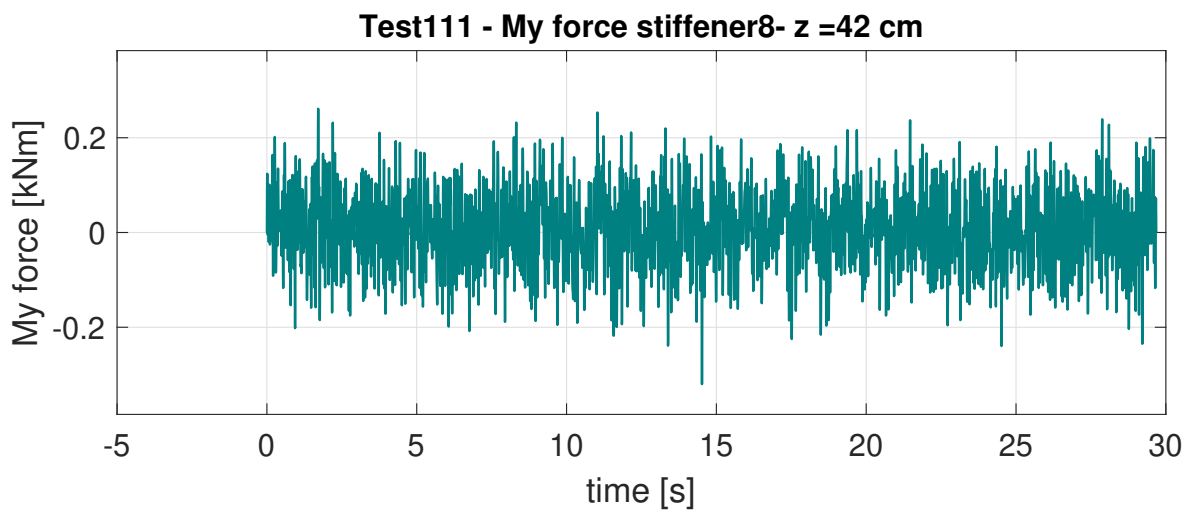
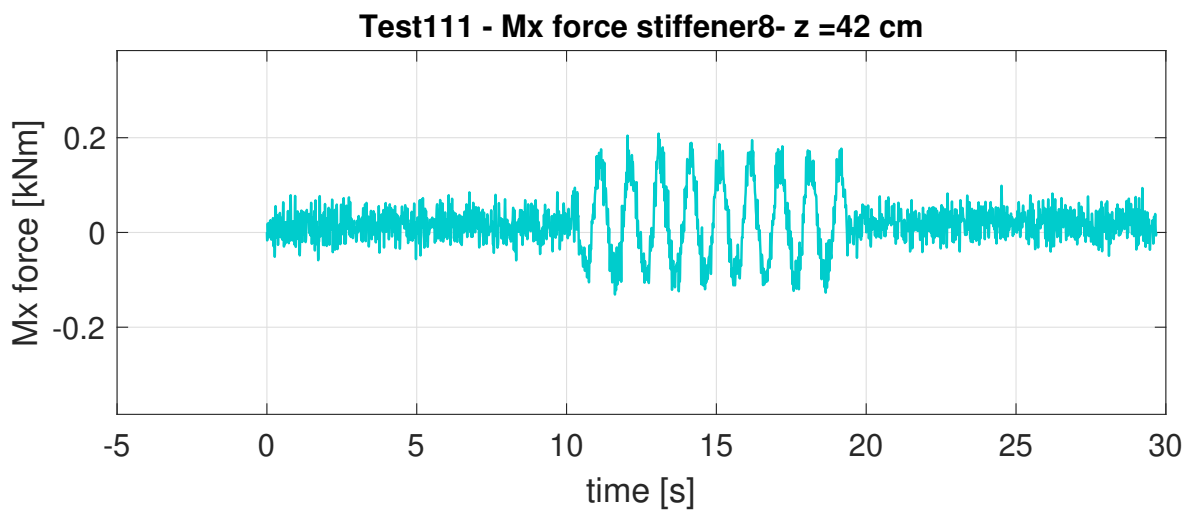
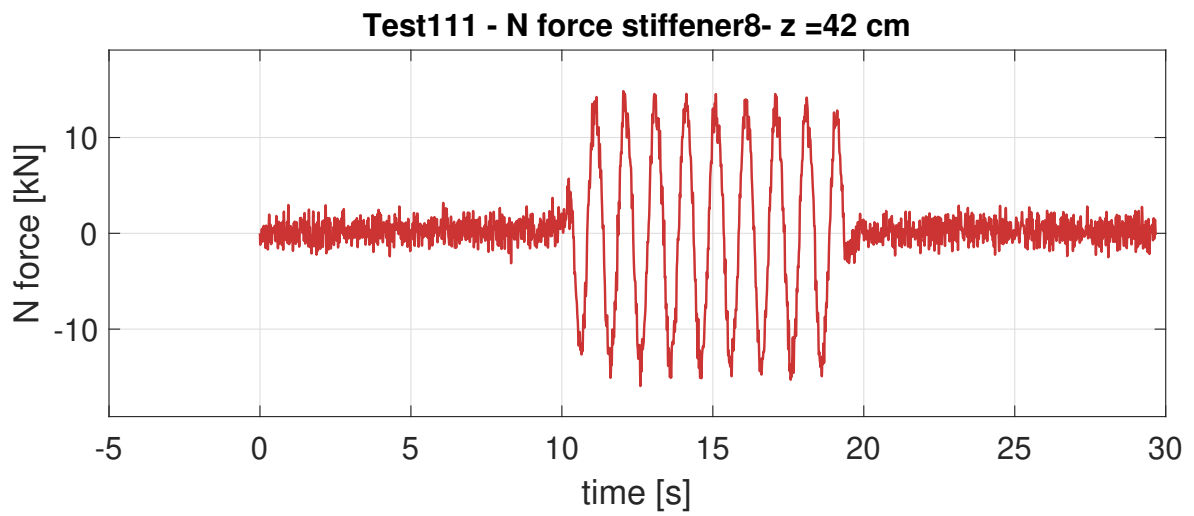
- Montante numero 6



- Montante numero 7

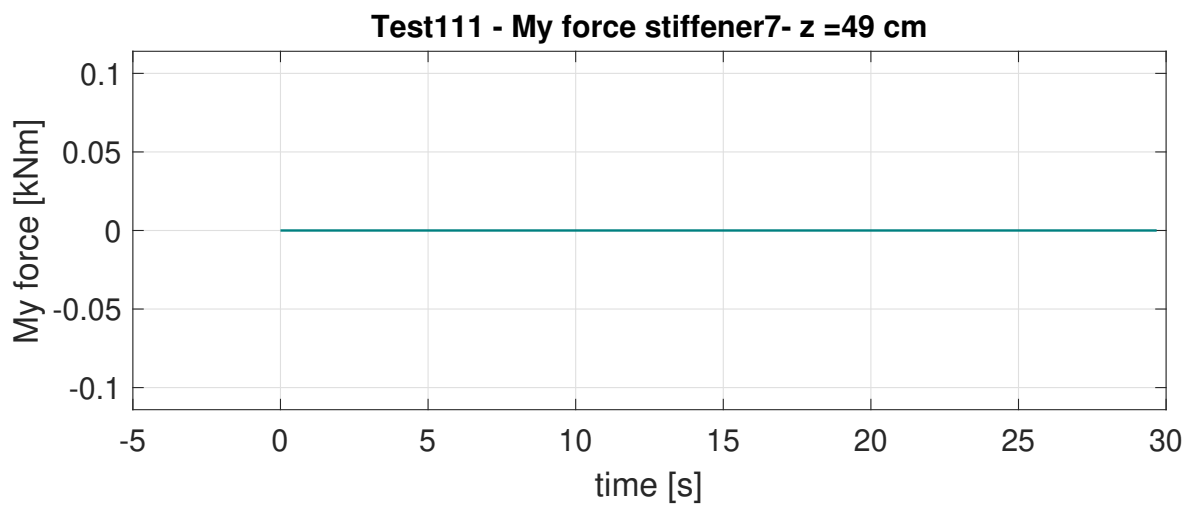
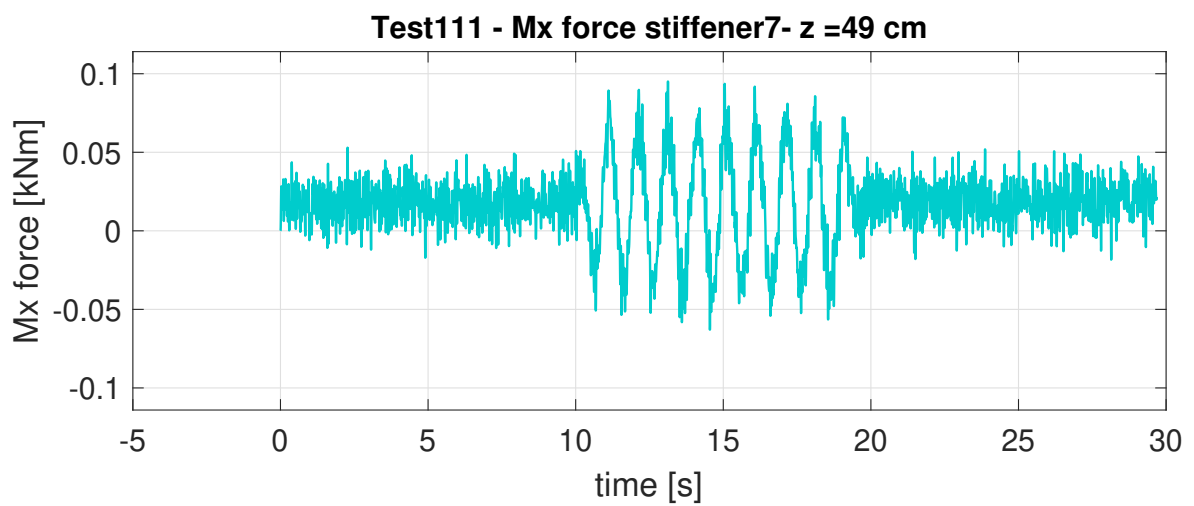
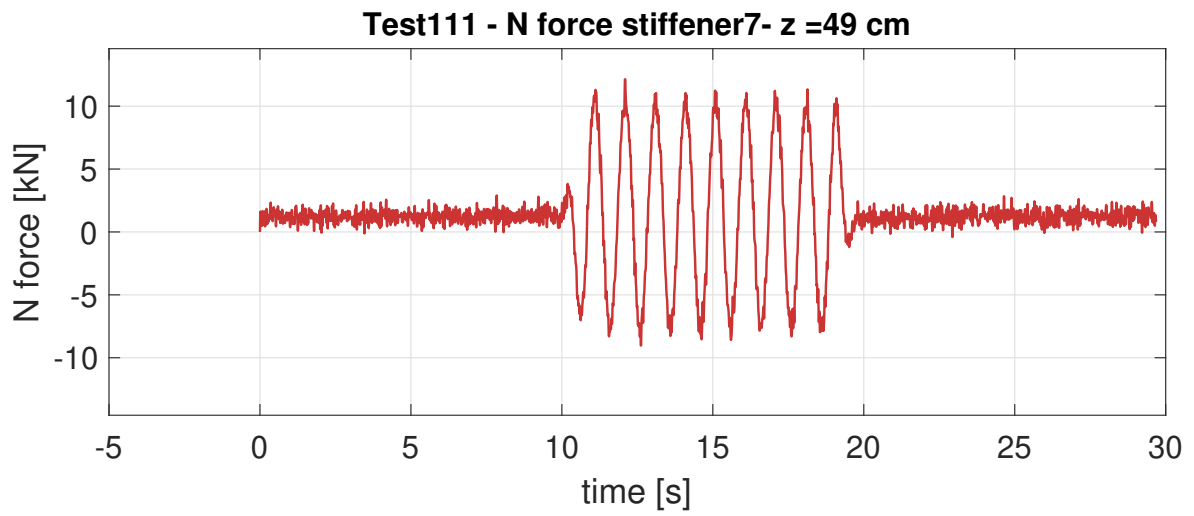


– Montante numero 8

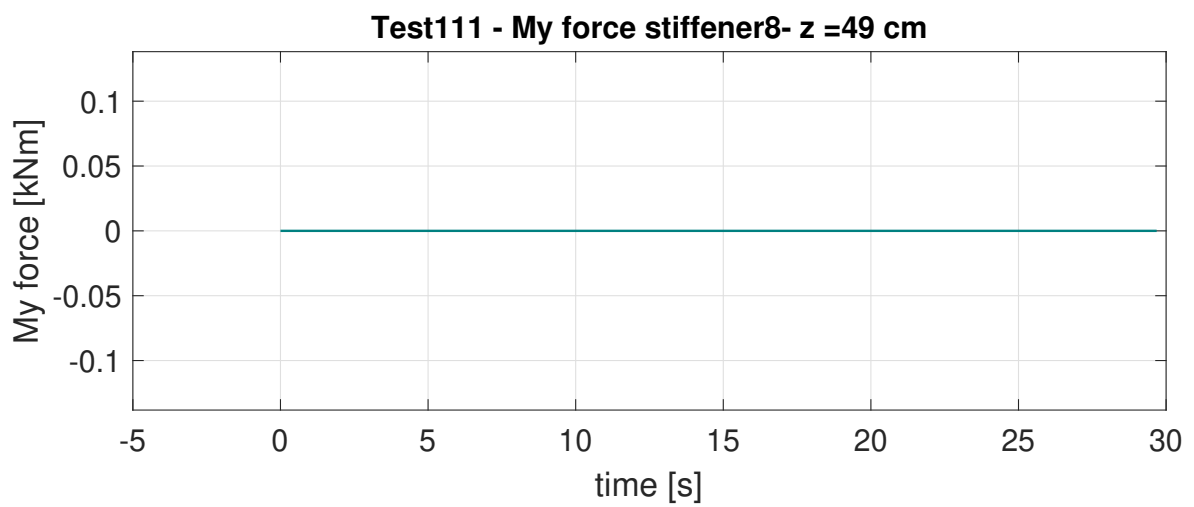
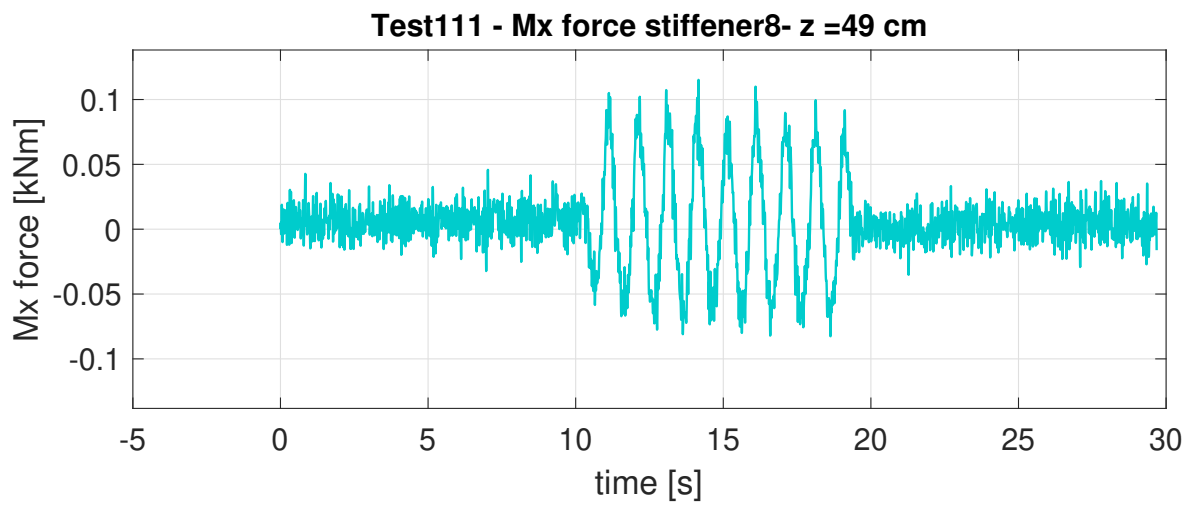
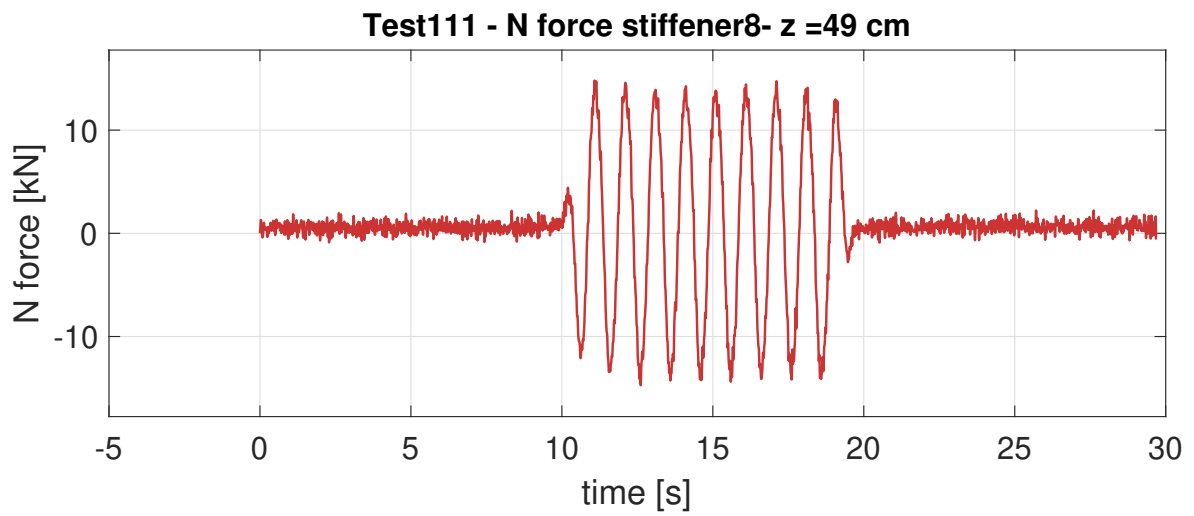


**Quota z = 49 cm**

– Montante numero 7

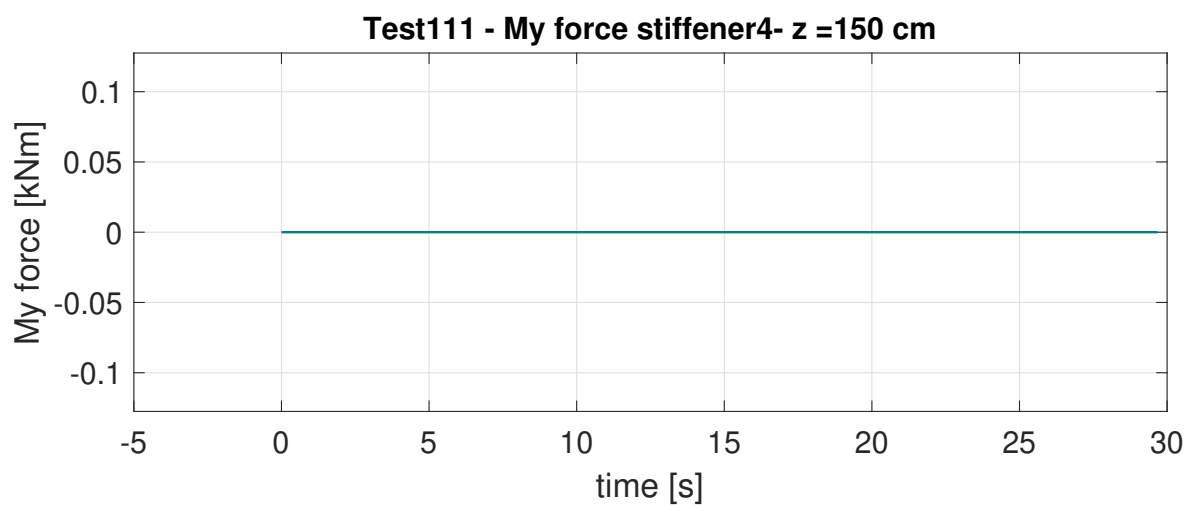
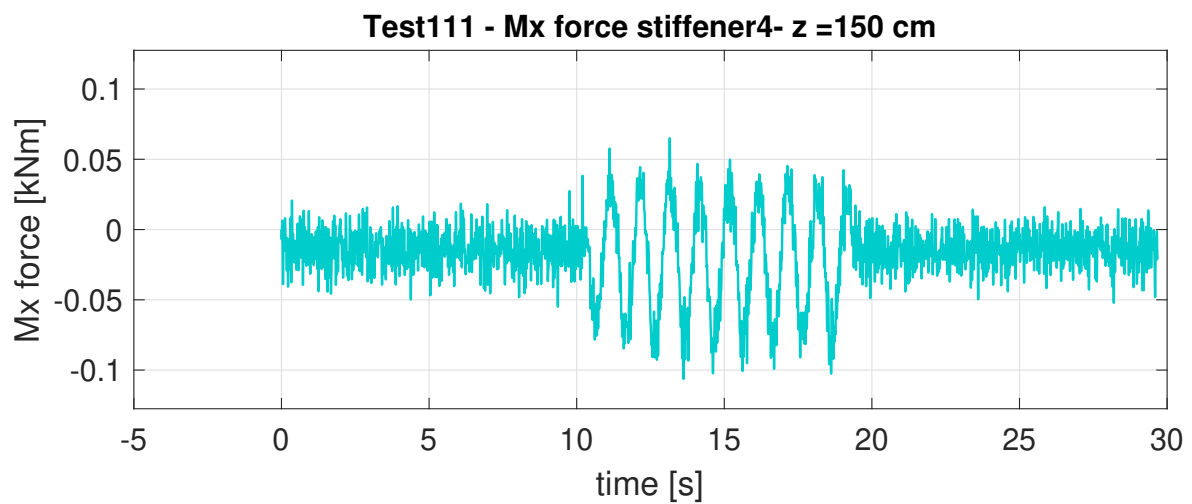
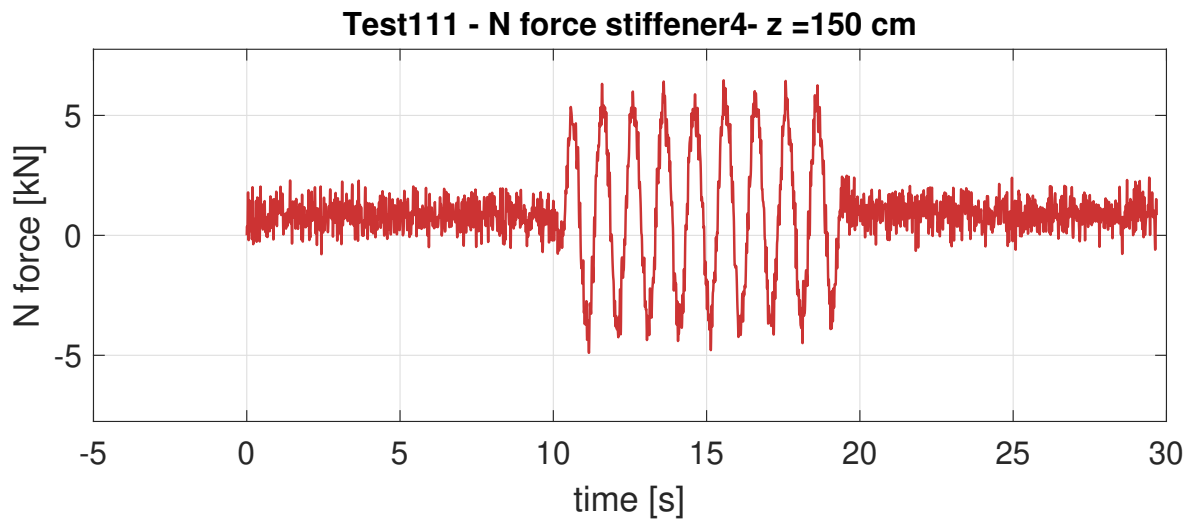


– Montante numero 8

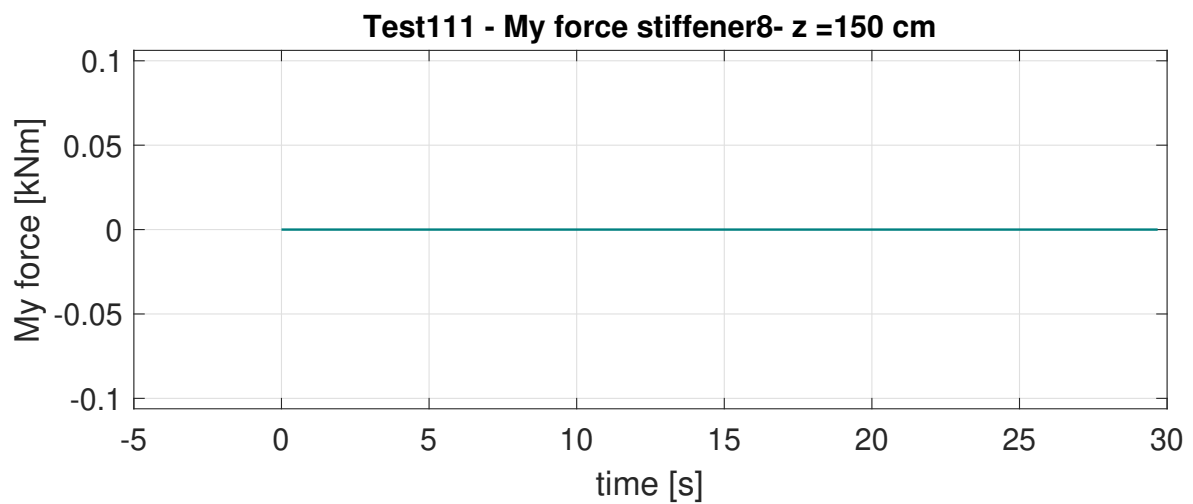
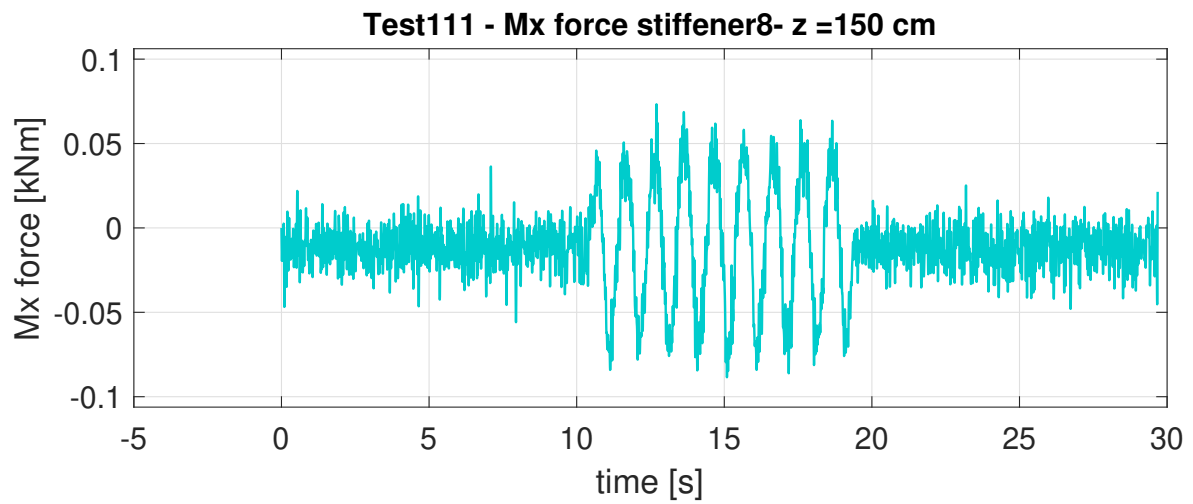
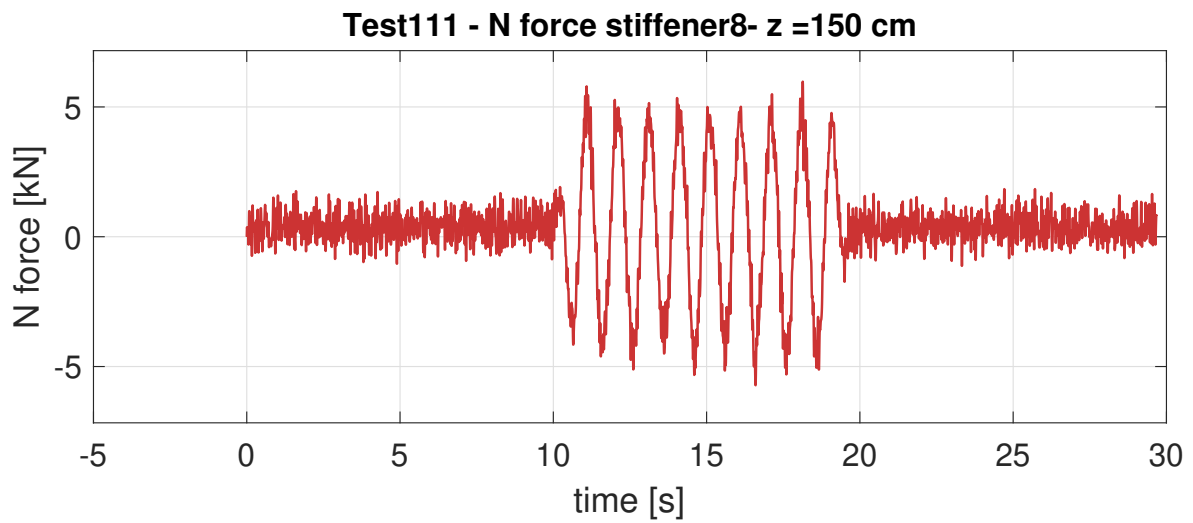


**Quota z = 150 cm**

– Montante numero 4

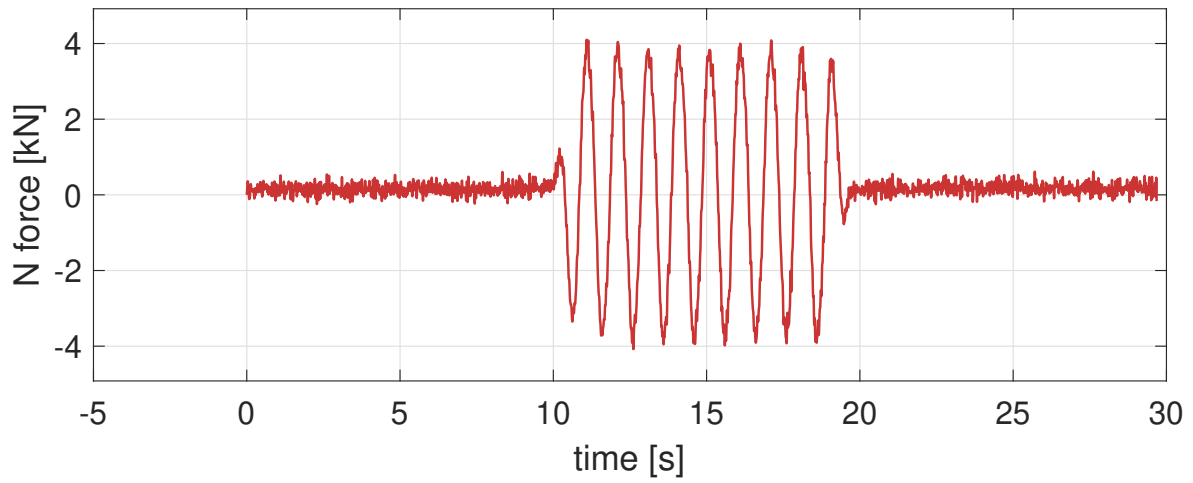
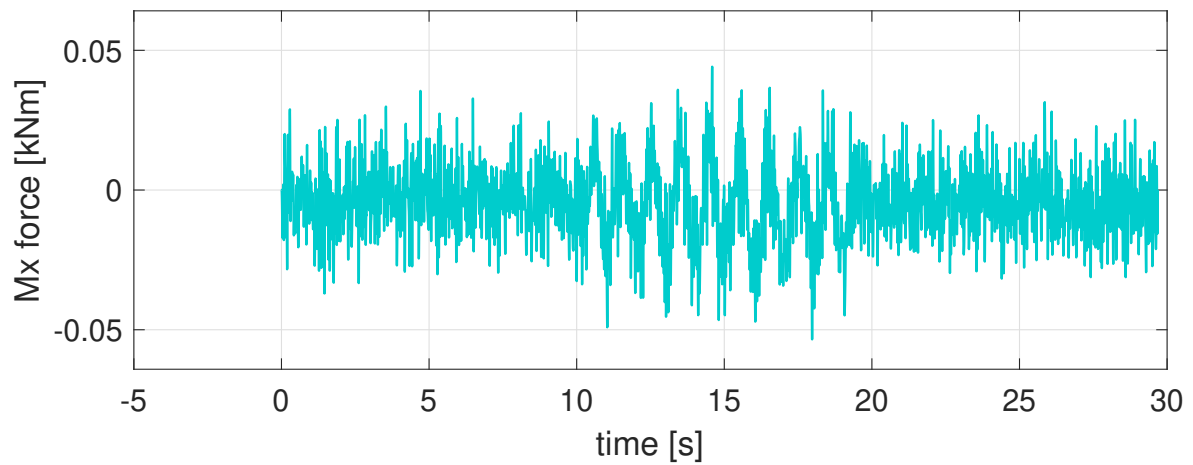
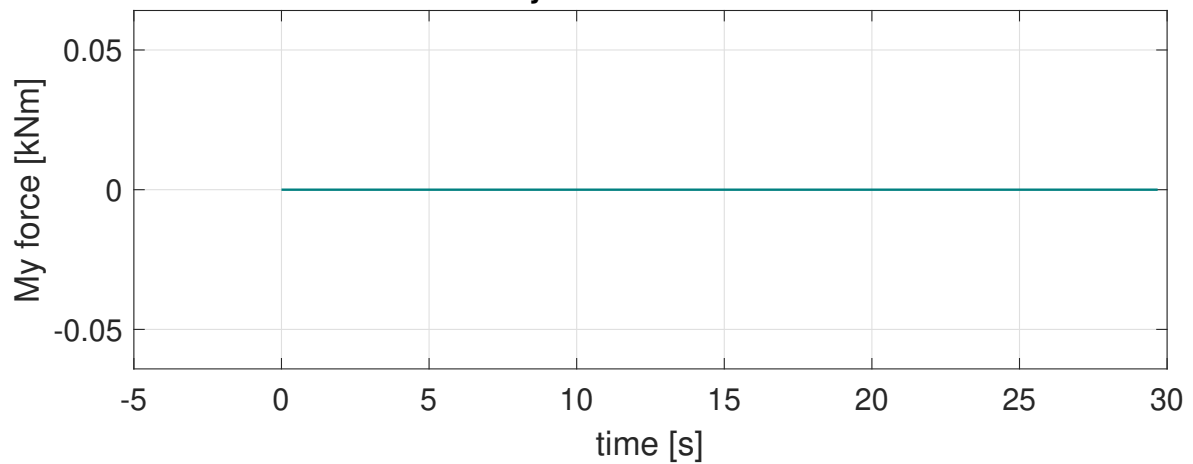


- Montante numero 8



**Quota z = 250 cm**

– Montante numero 8

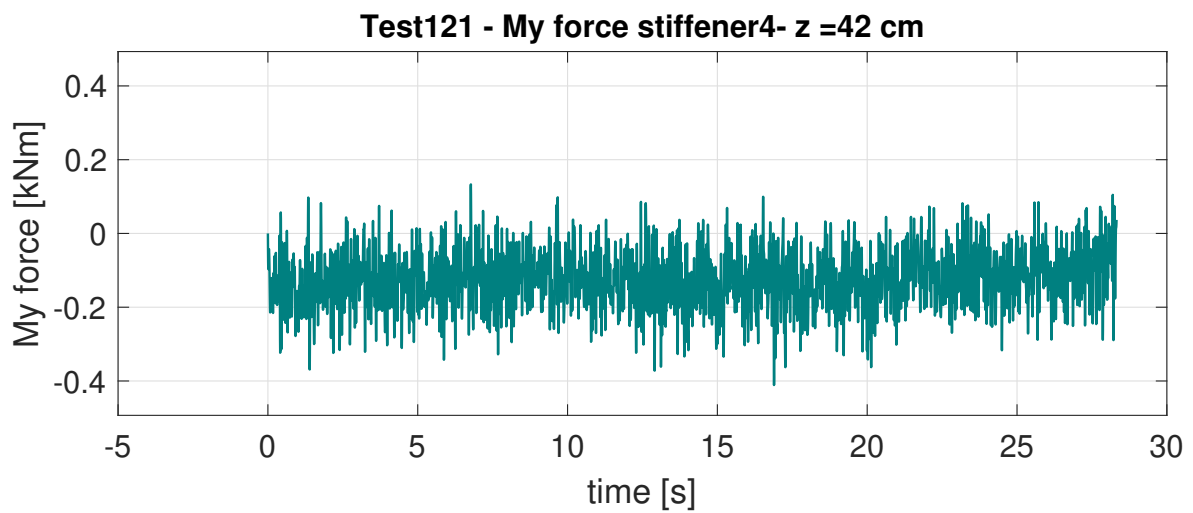
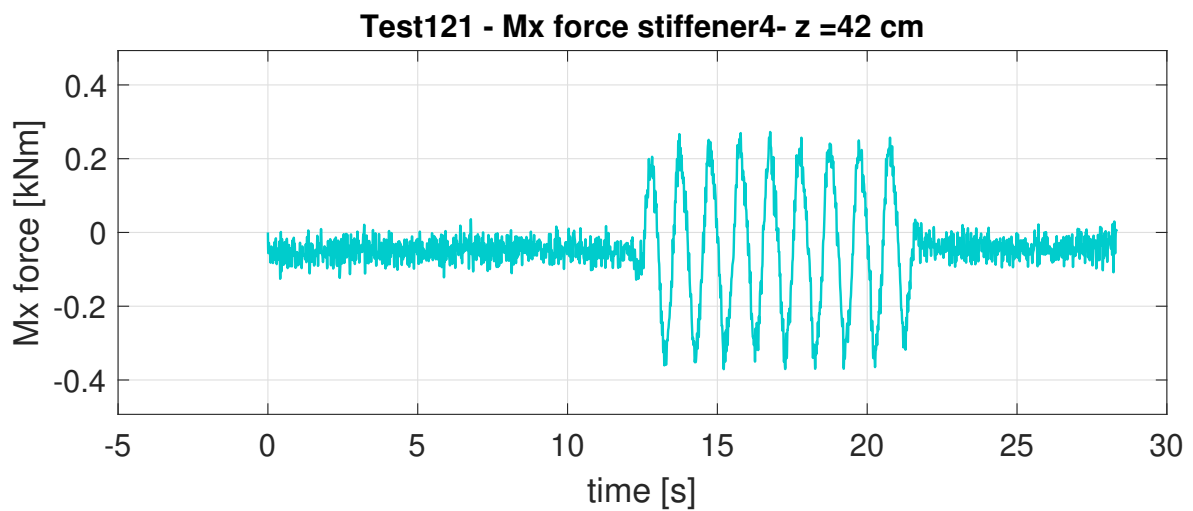
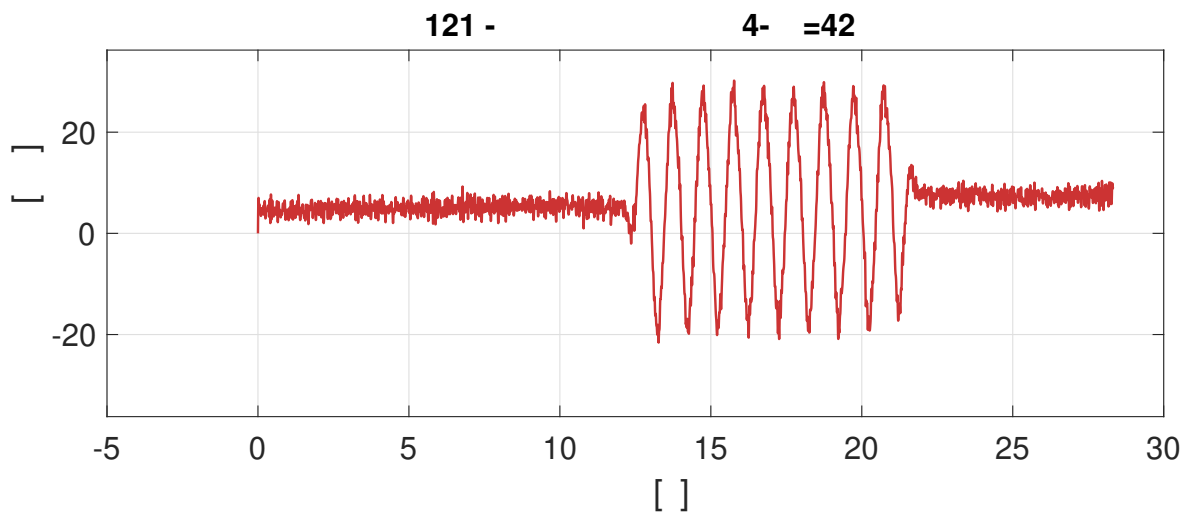
**Test111 - N force stiffener8- z =250 cm****Test111 - Mx force stiffener8- z =250 cm****Test111 - My force stiffener8- z =250 cm**



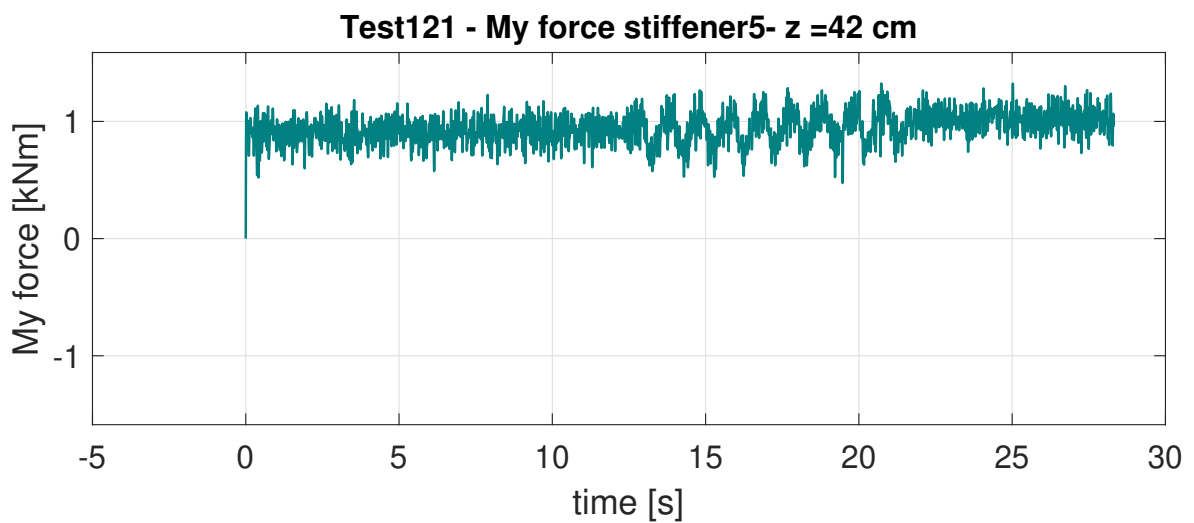
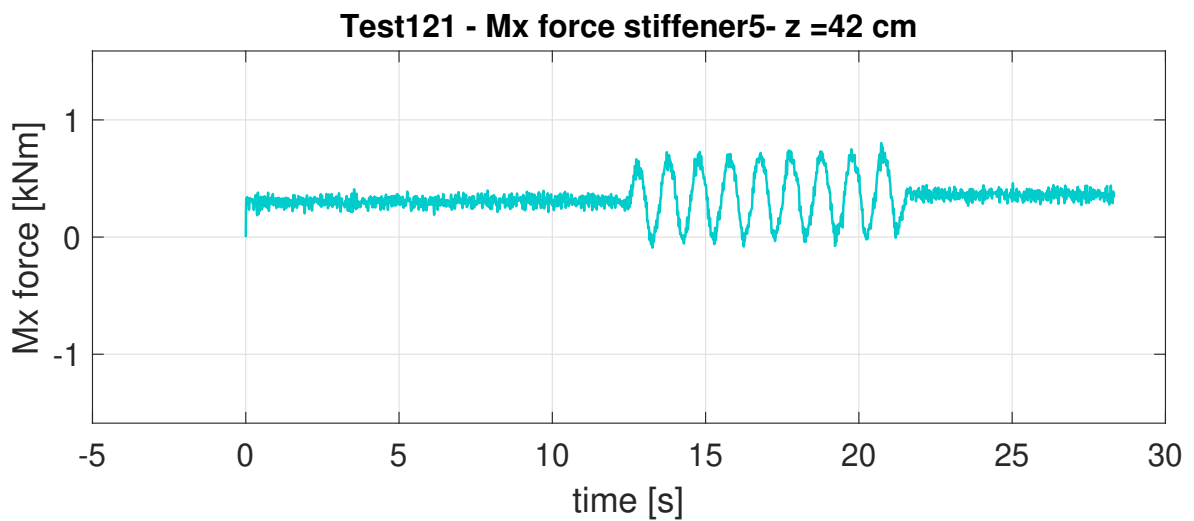
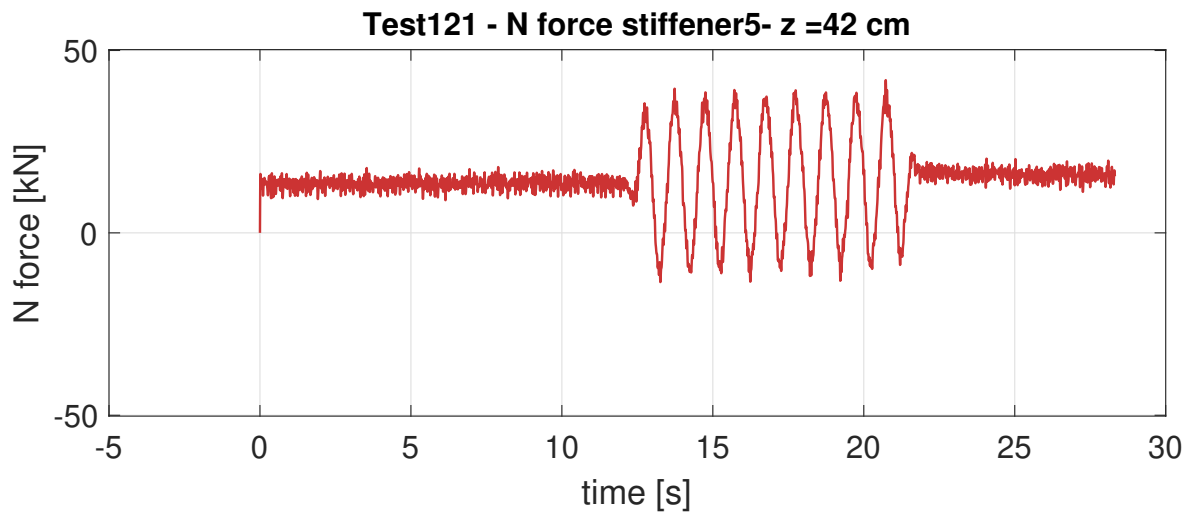
- Sinusoide 0.5 g dopo compattazione

Quota z = 42 cm

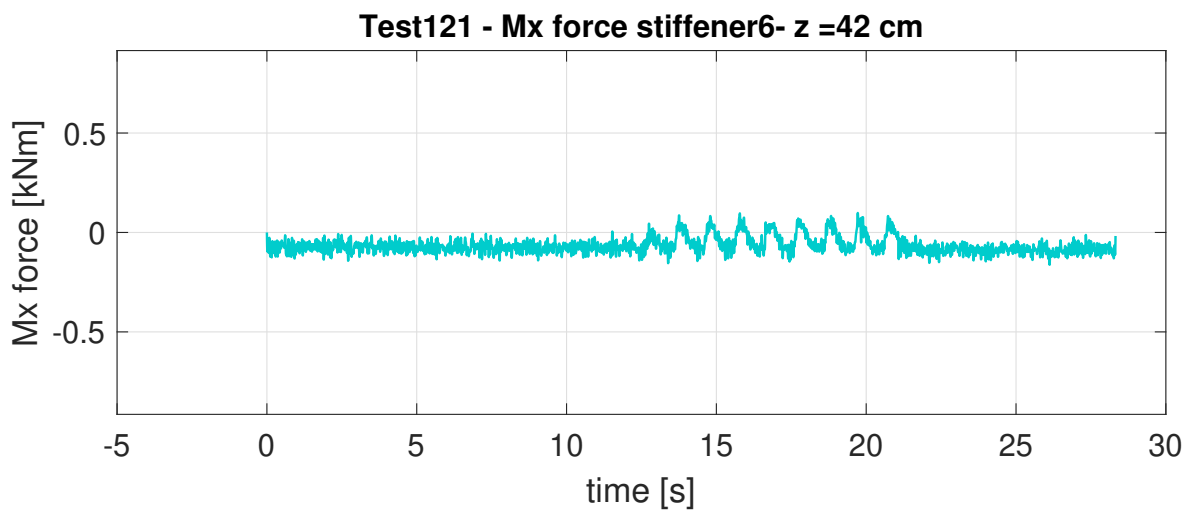
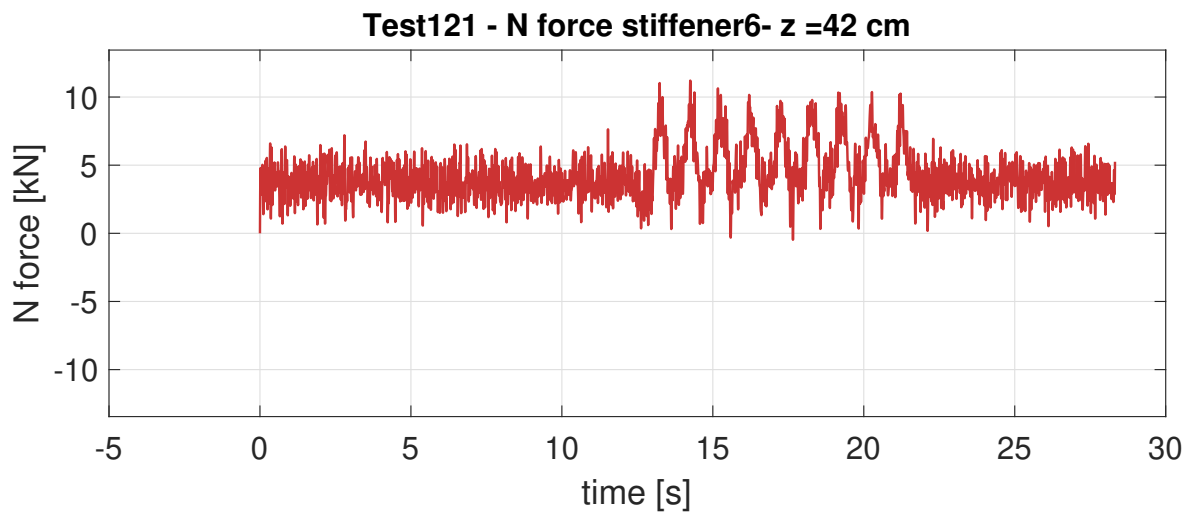
- Montante numero 4



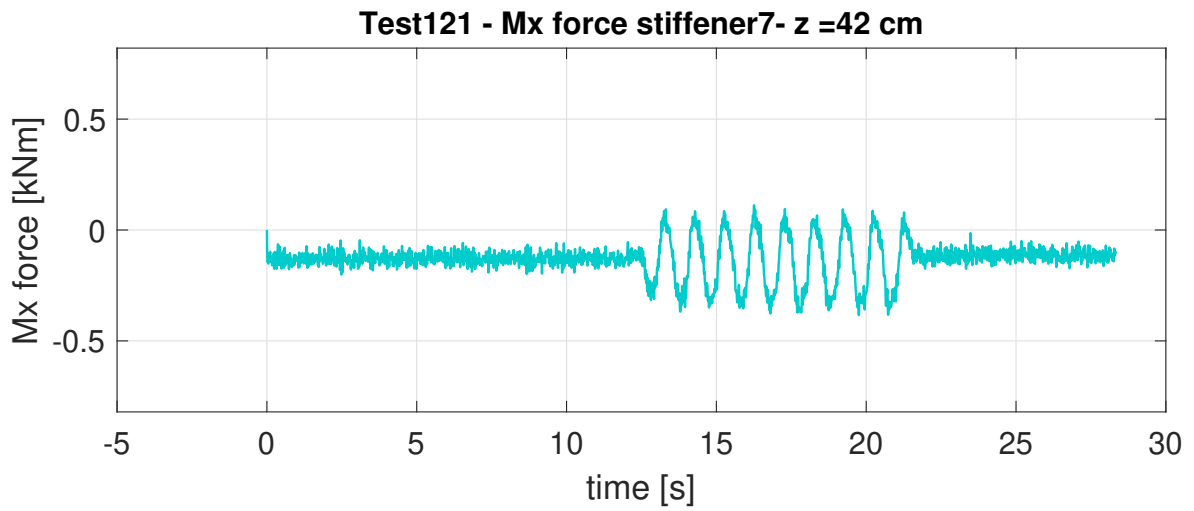
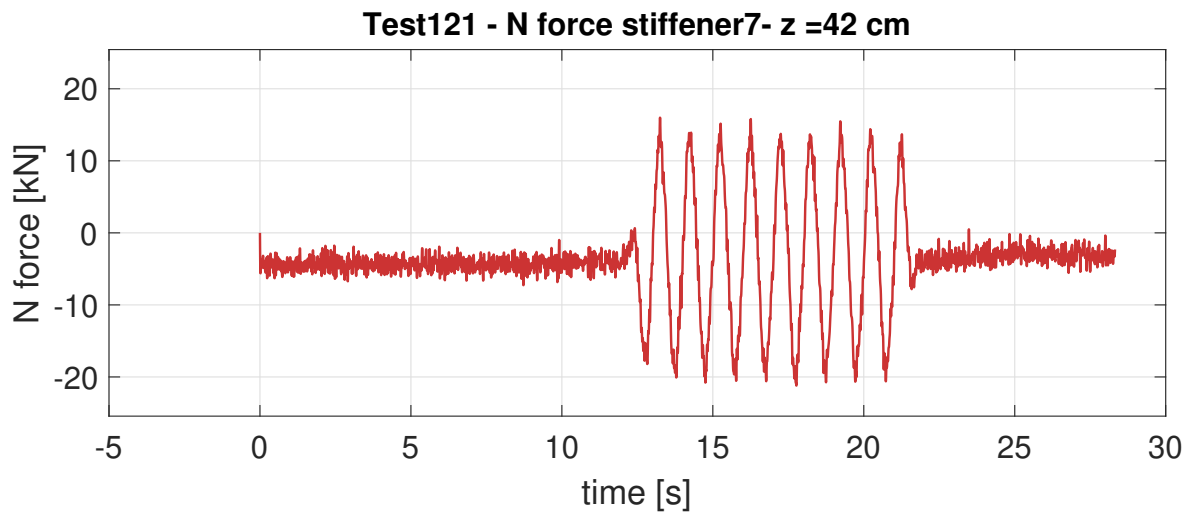
- Montante numero 5



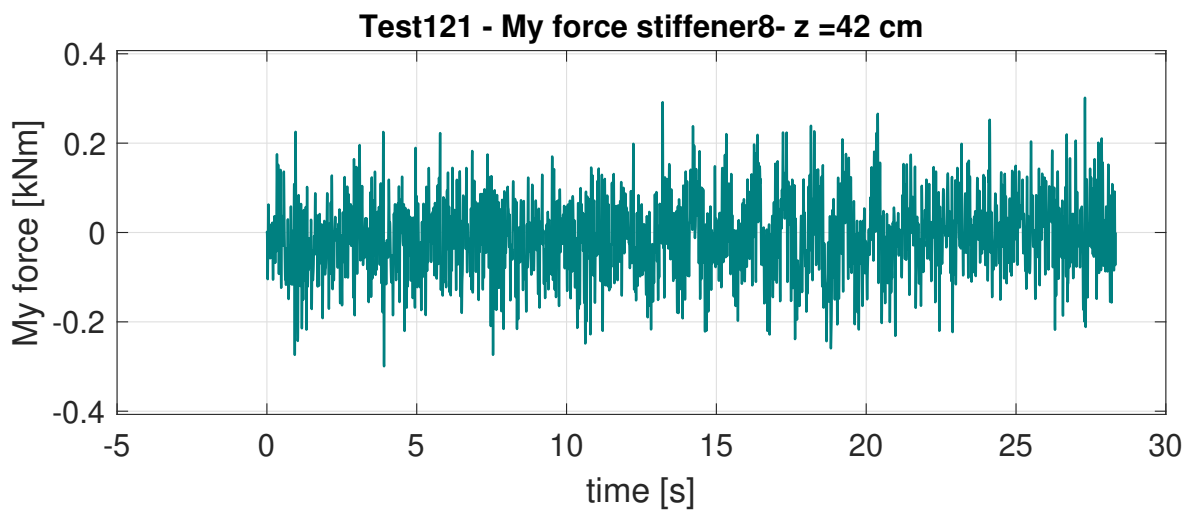
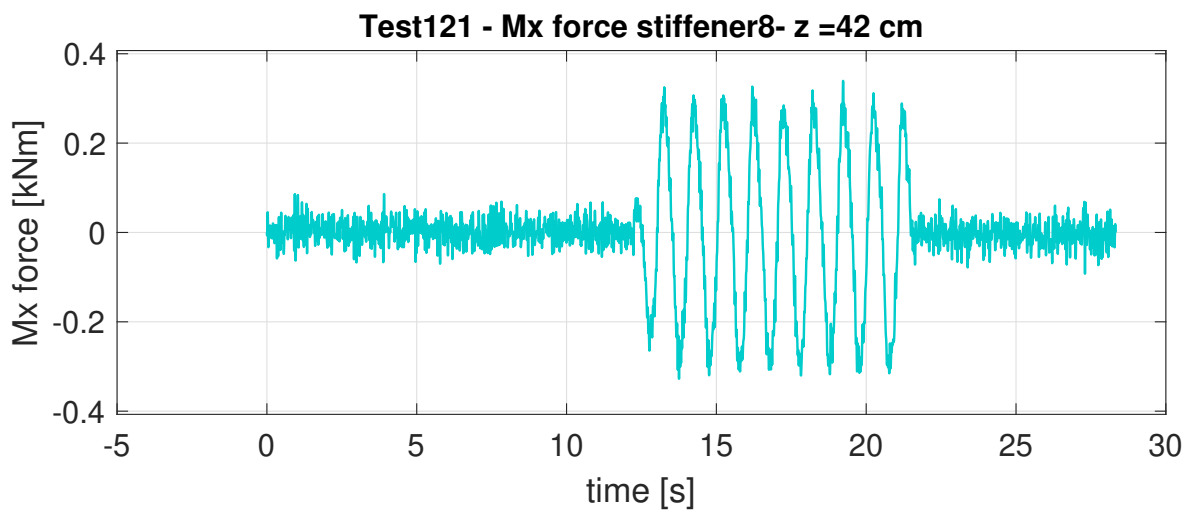
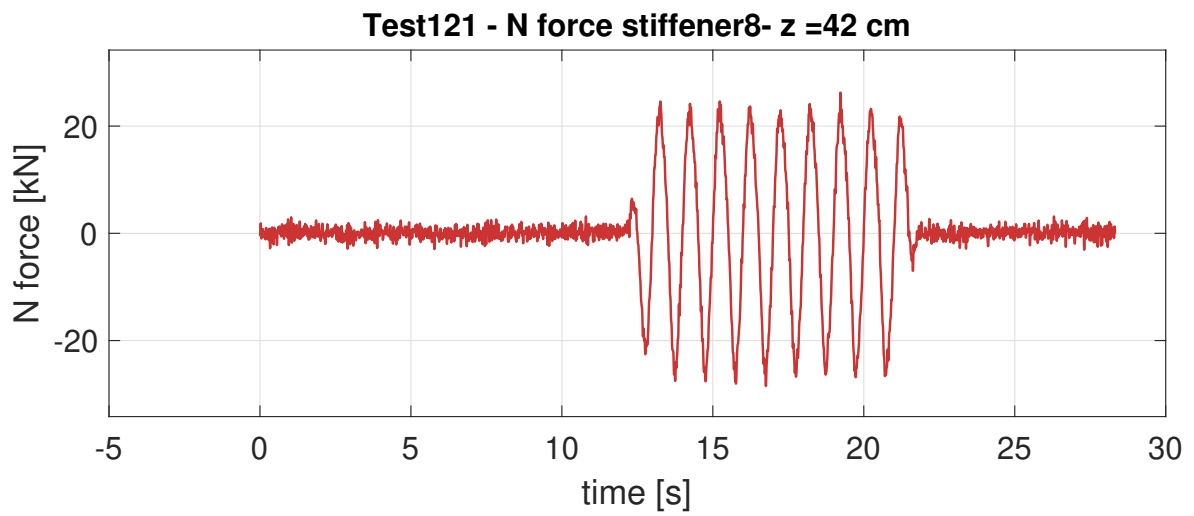
– Montante numero 6



- Montante numero 7

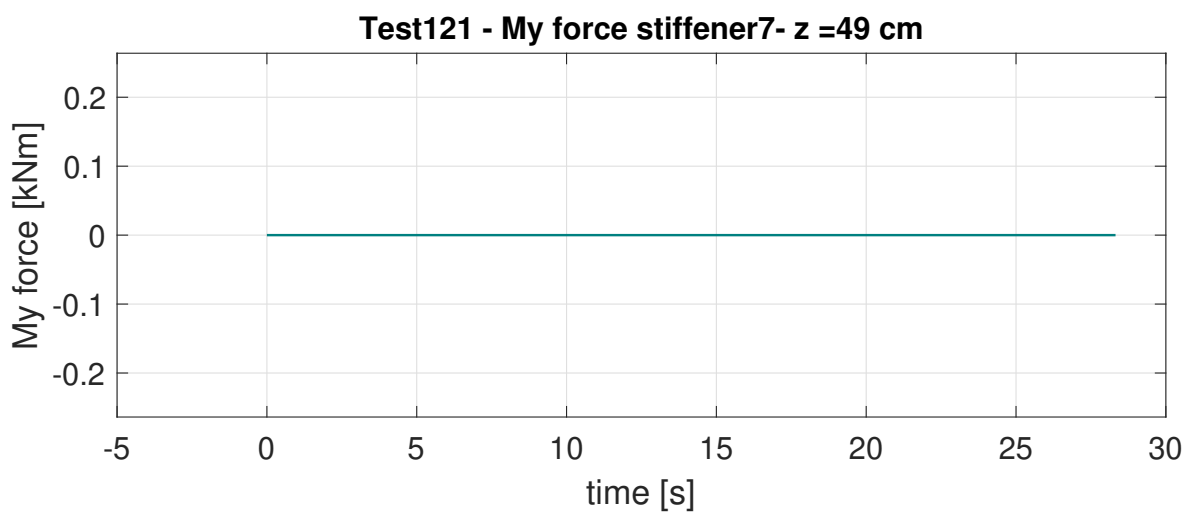
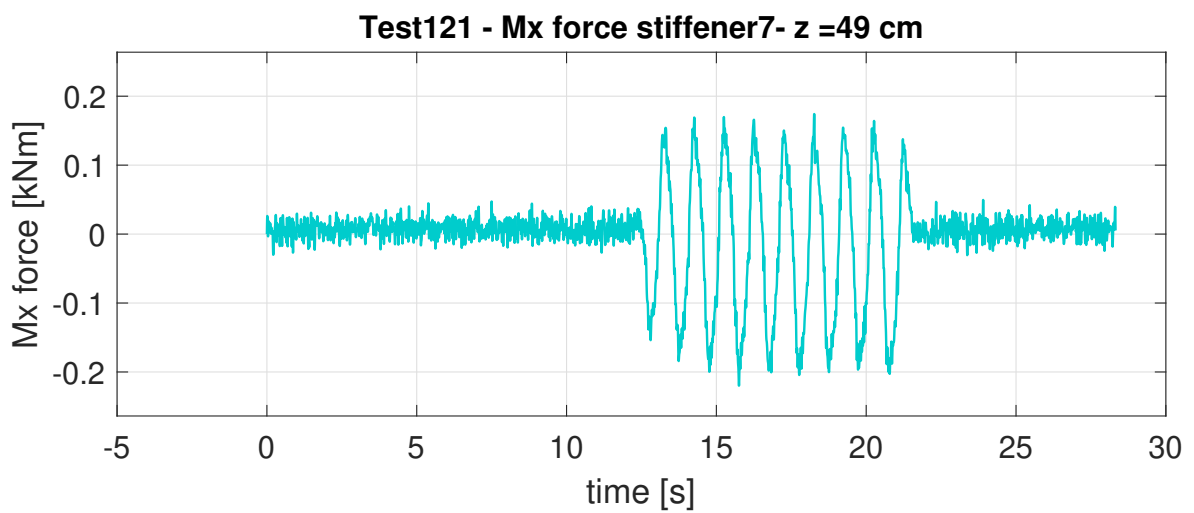
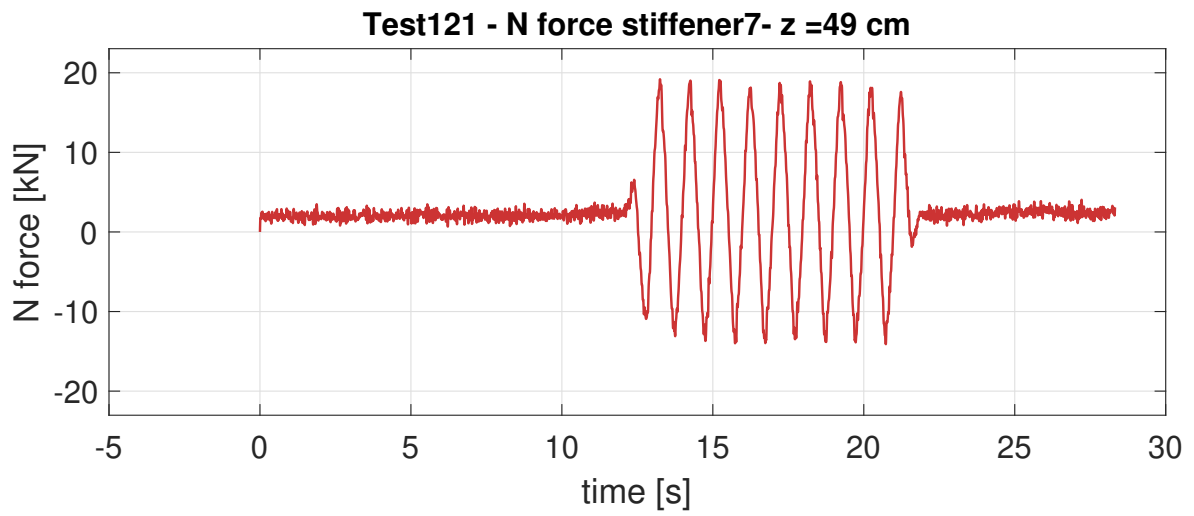


– Montante numero 8

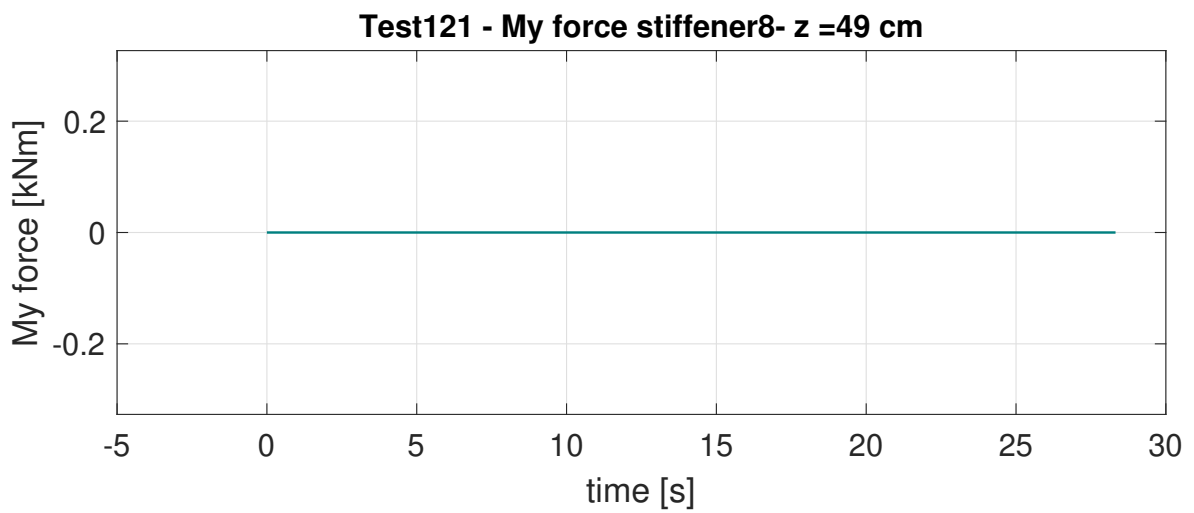
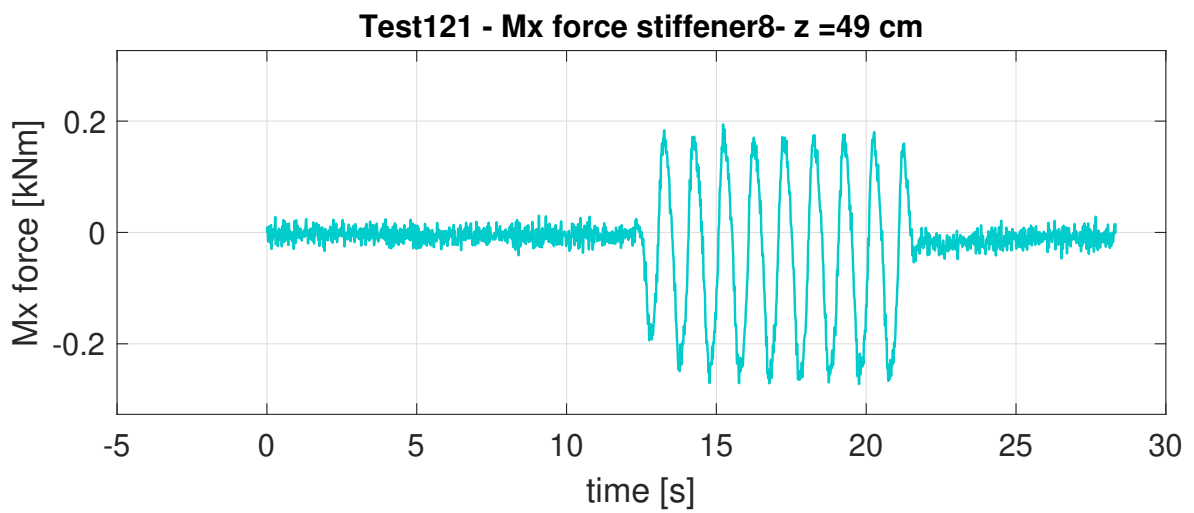
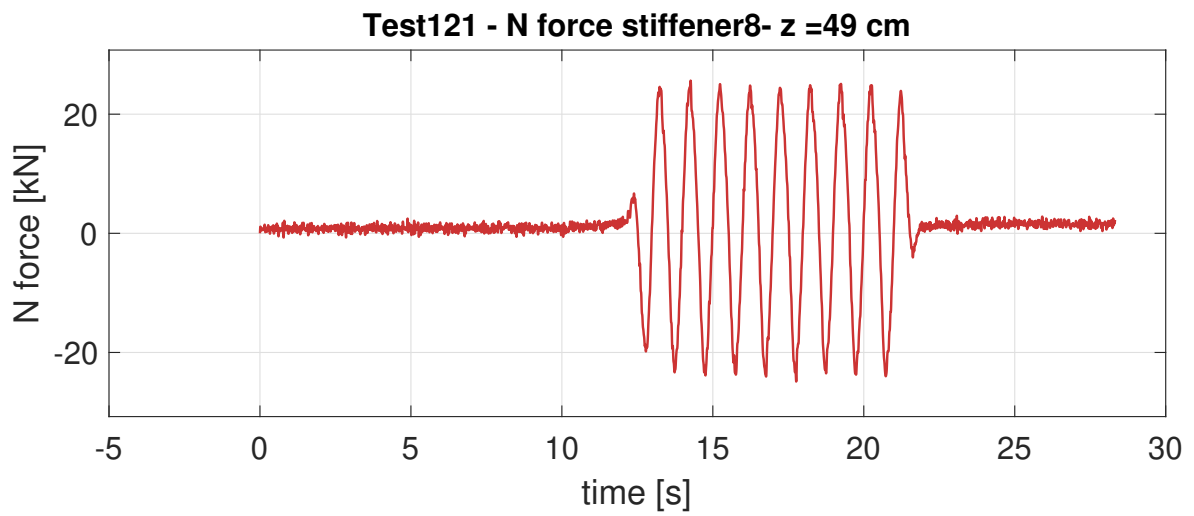


**Quota z = 49 cm**

– Montante numero 7

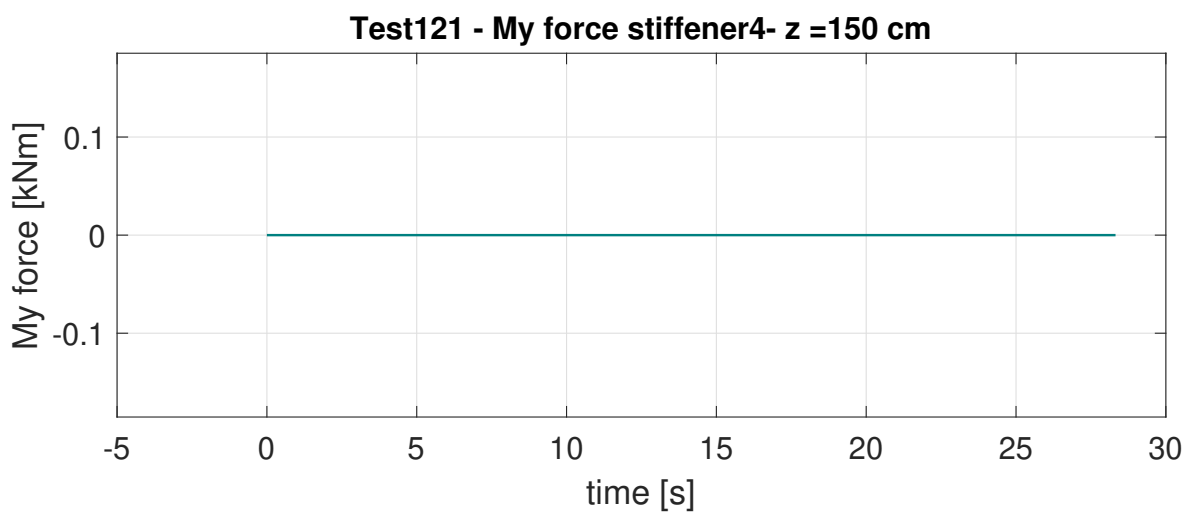
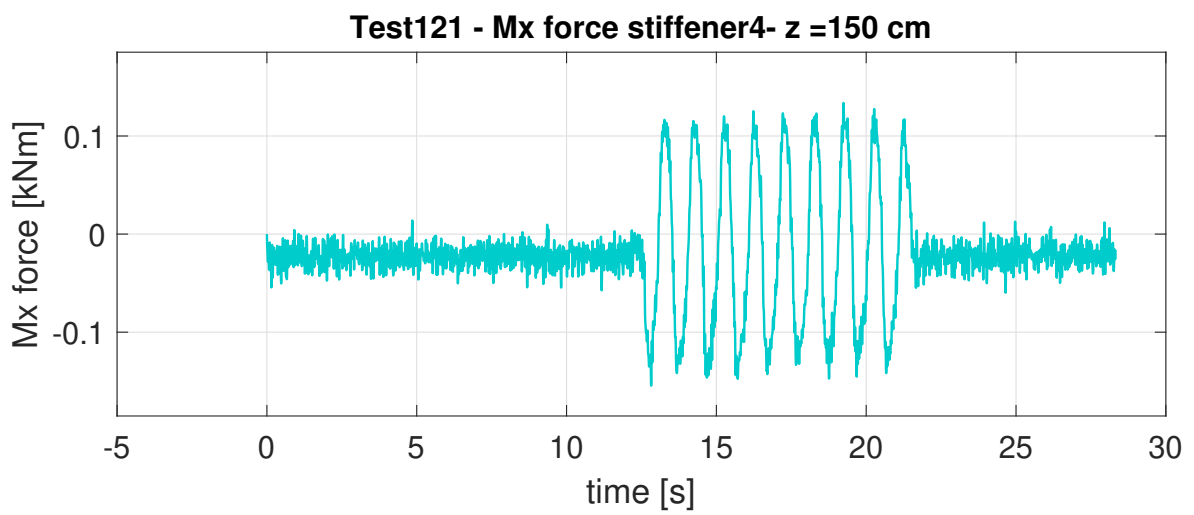
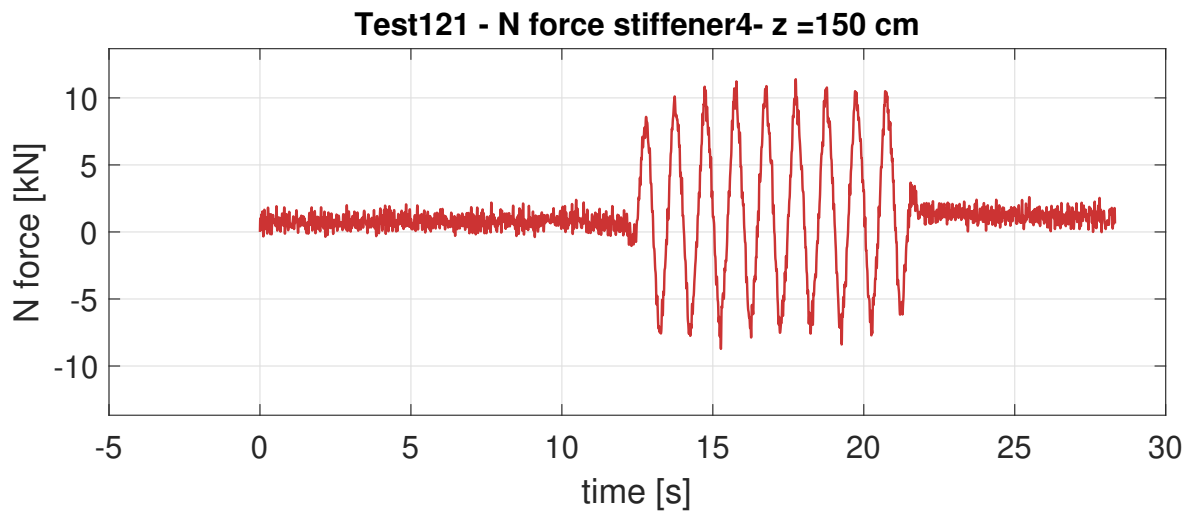


– Montante numero 8



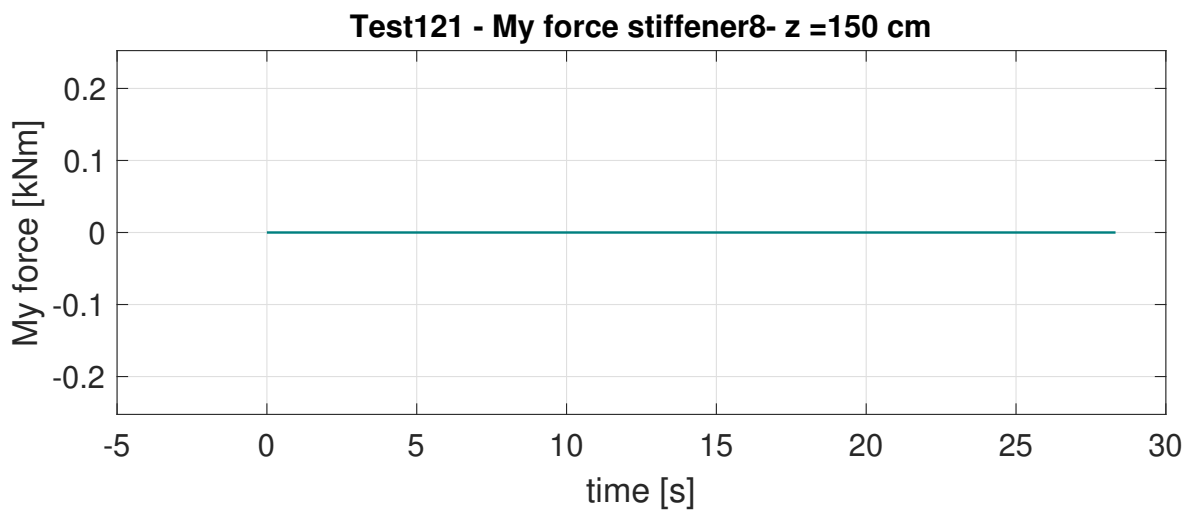
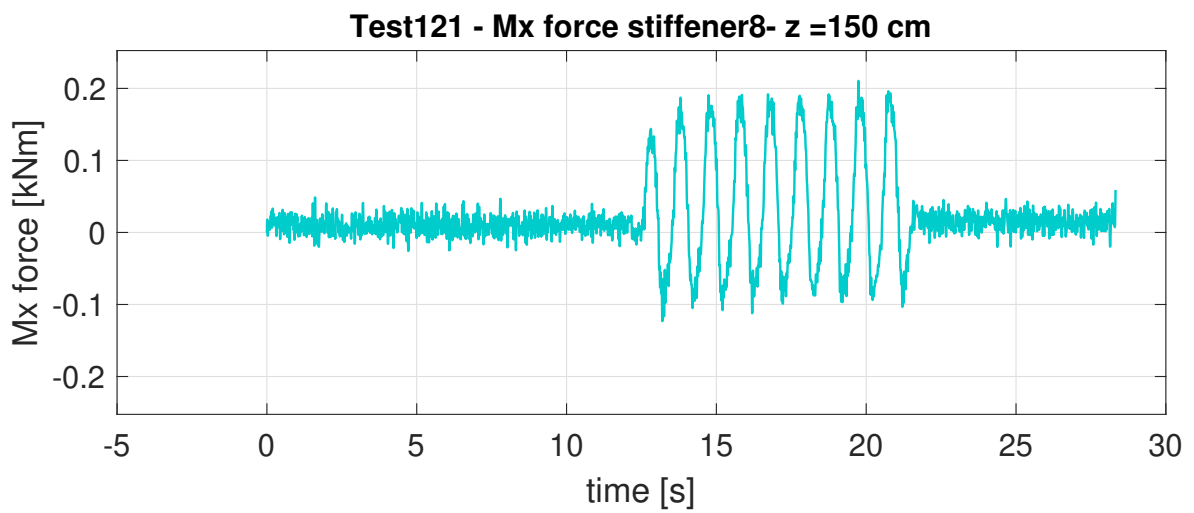
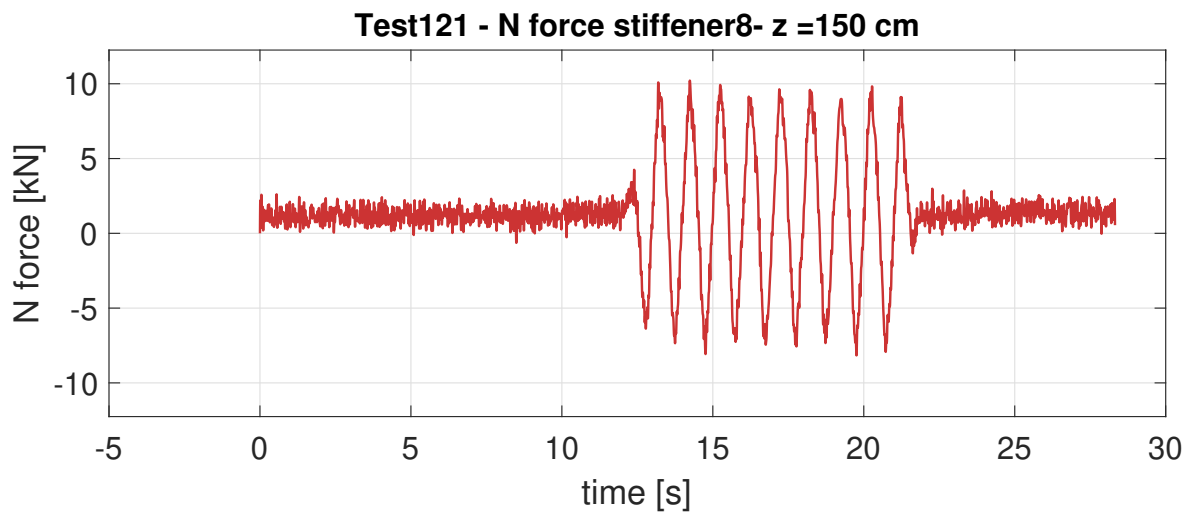
**Quota z = 150 cm**

– Montante numero 4



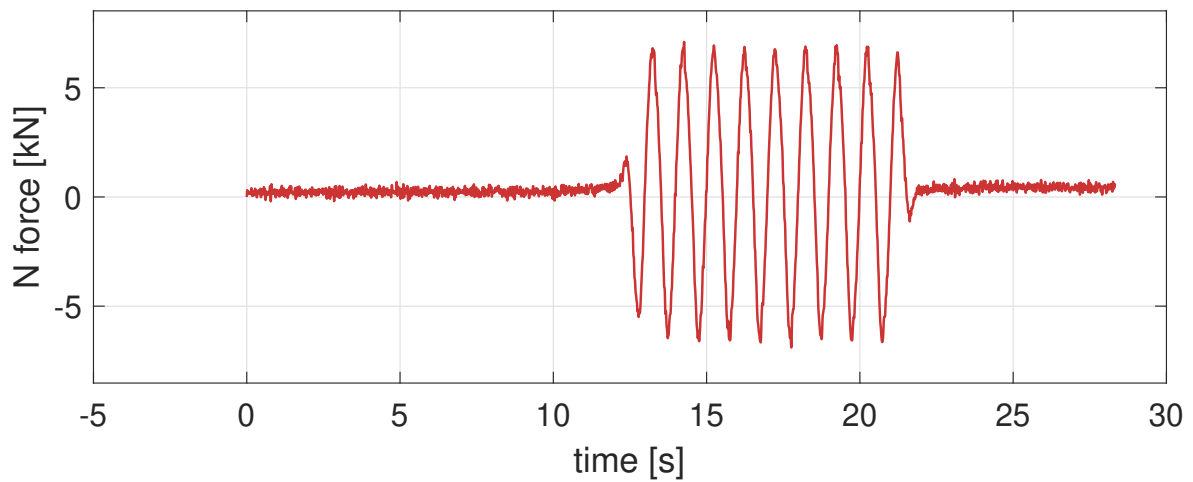
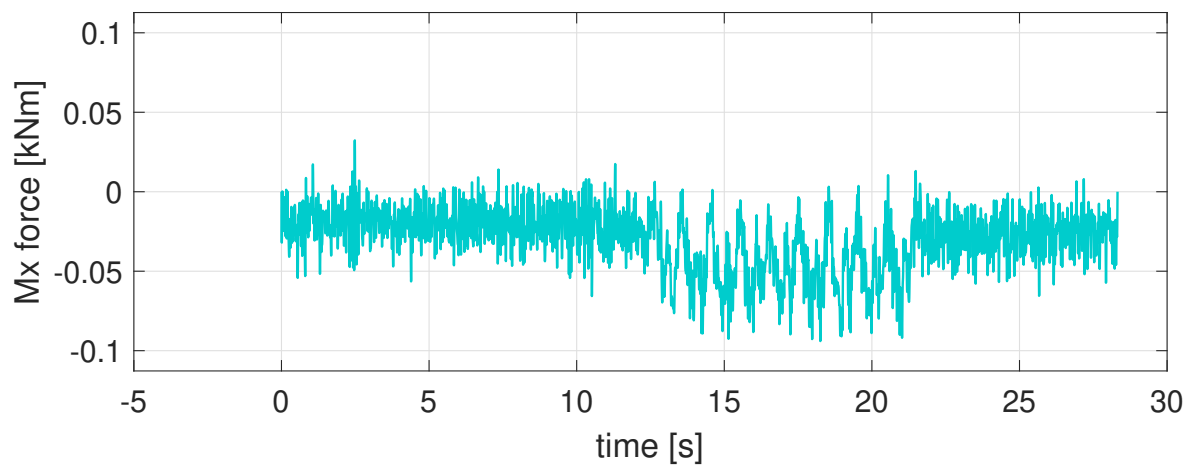
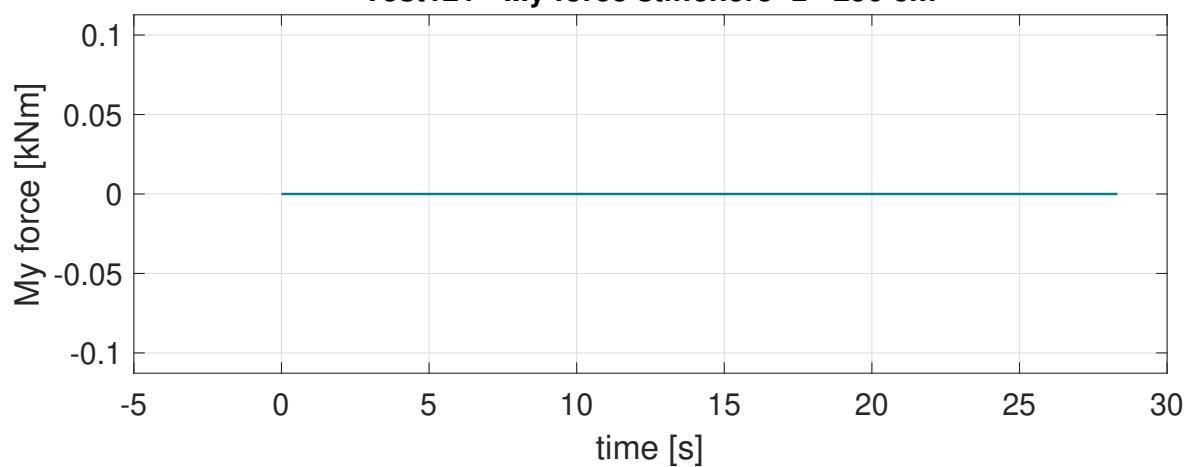


– Montante numero 8



**Quota z = 250 cm**

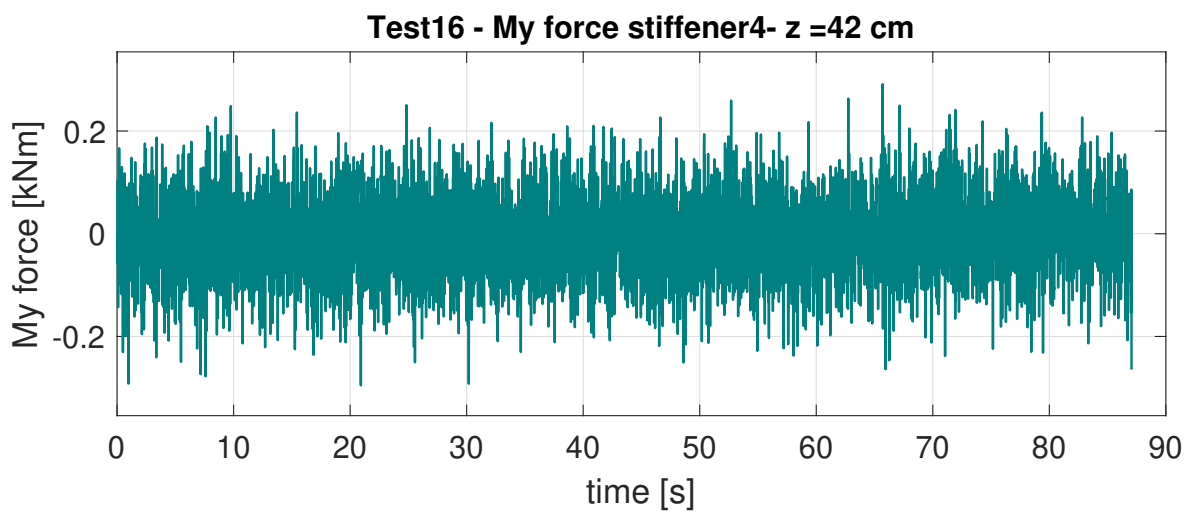
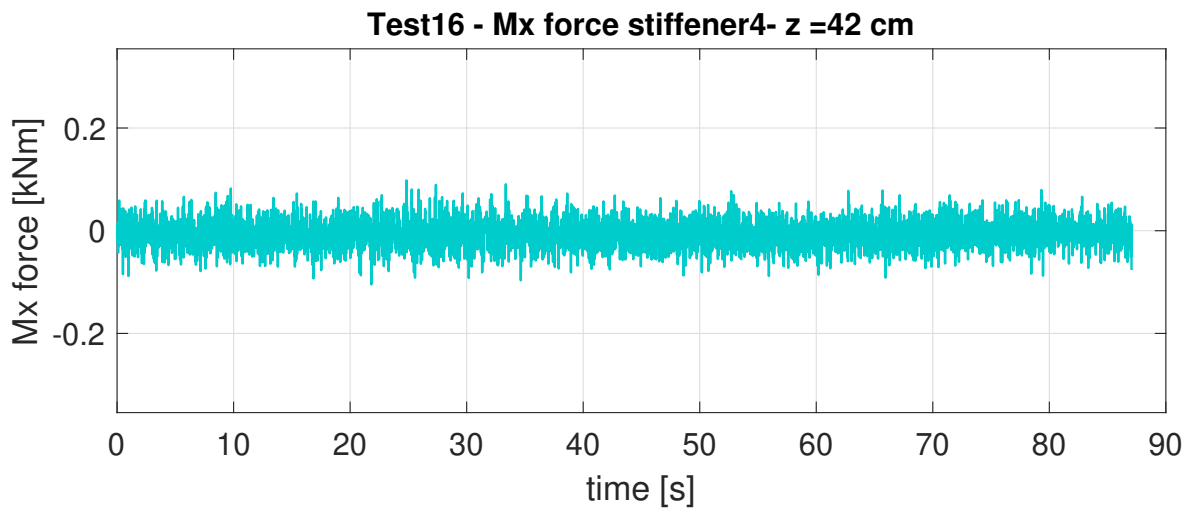
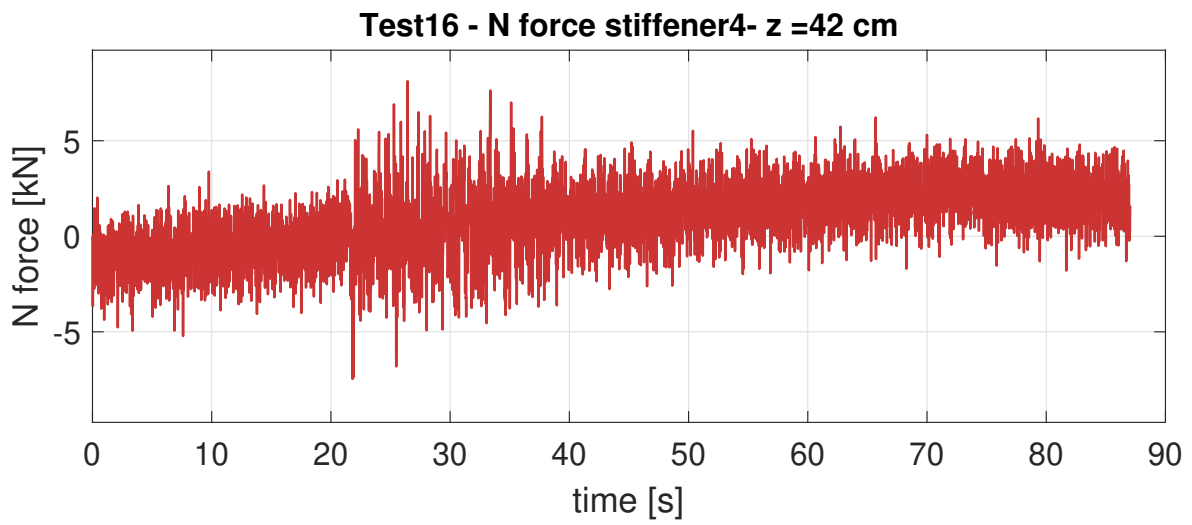
– Montante numero 8

**Test121 - N force stiffener8- z =250 cm****Test121 - Mx force stiffener8- z =250 cm****Test121 - My force stiffener8- z =250 cm**

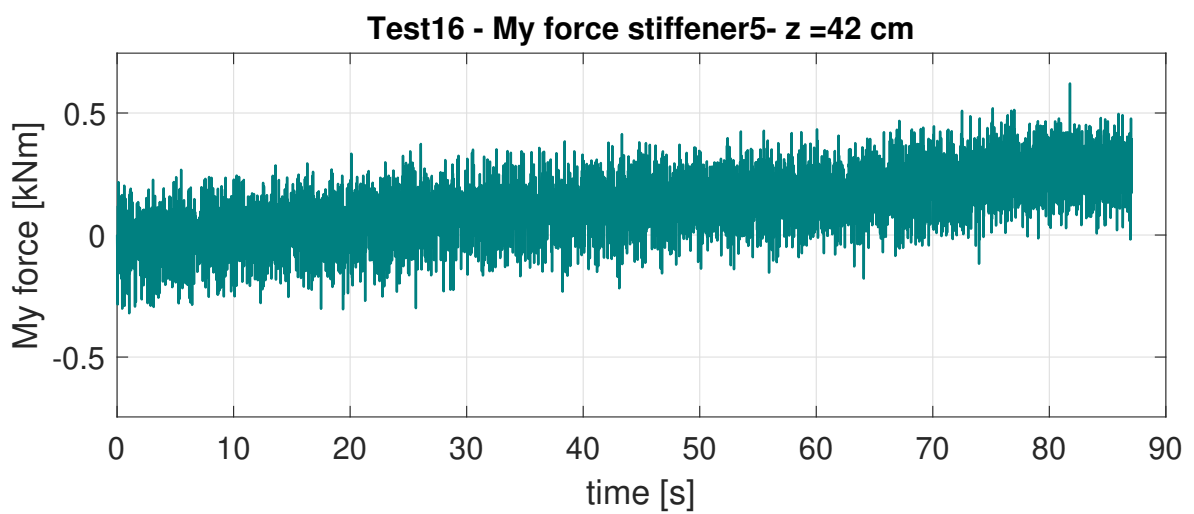
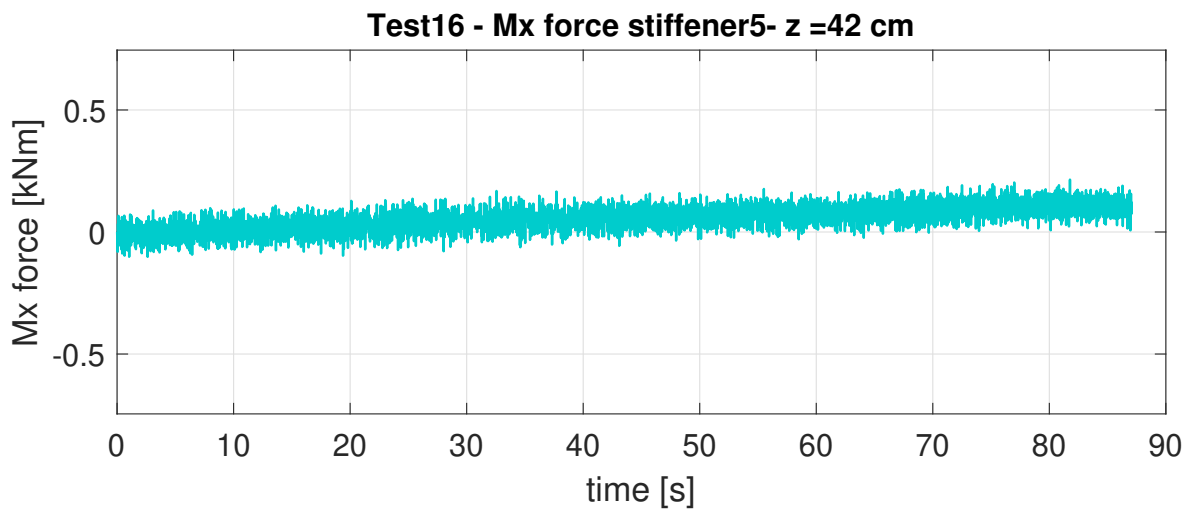
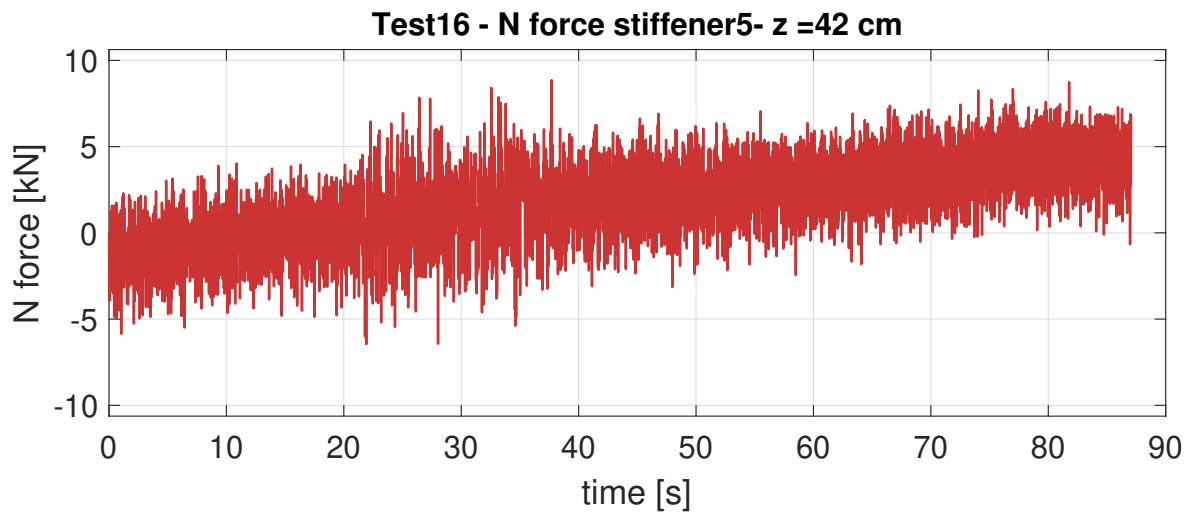
- Terremoto A1 0.1 g

**Quota z = 42 cm**

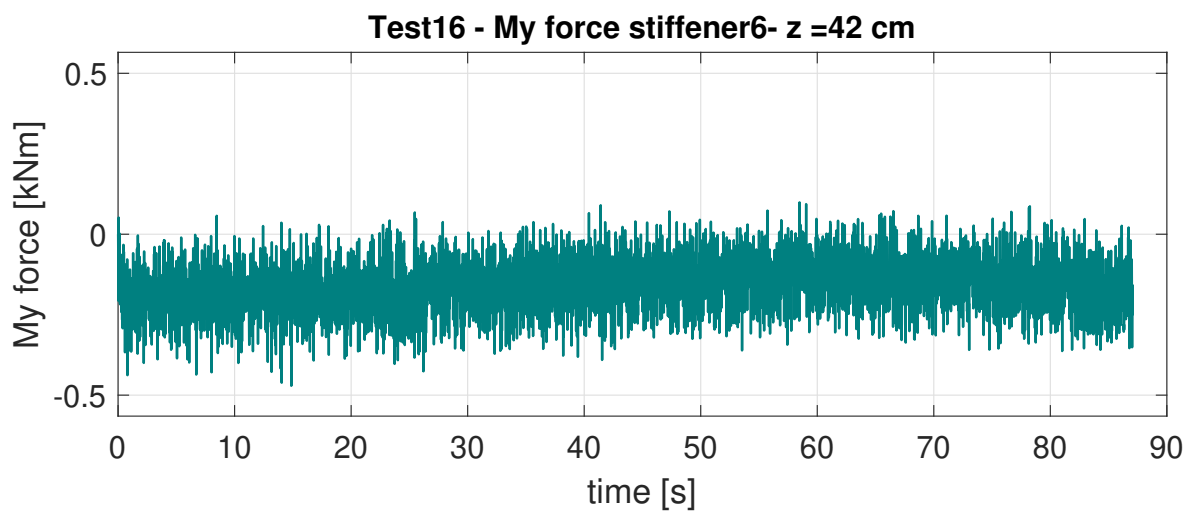
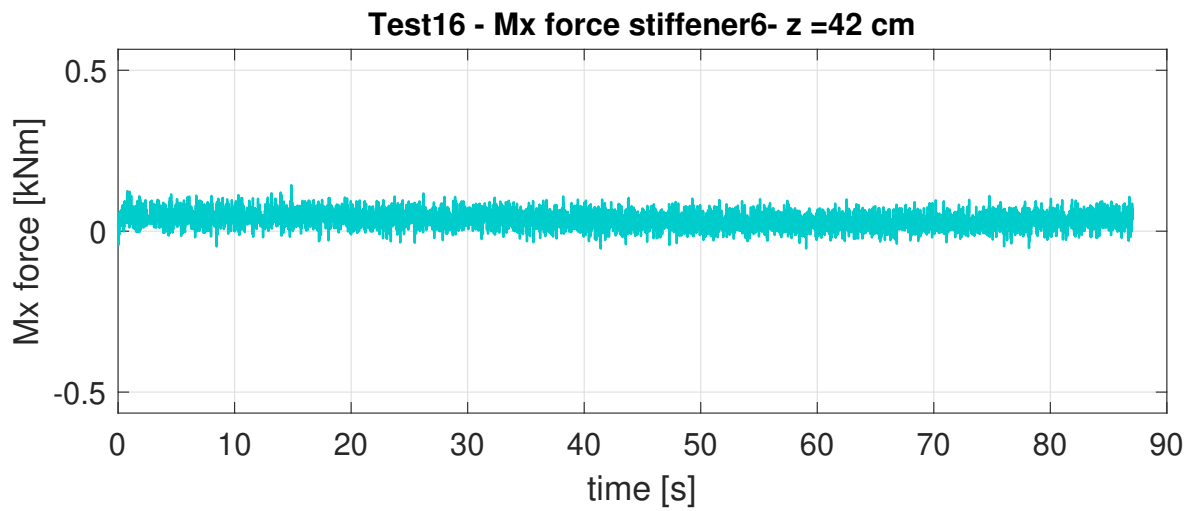
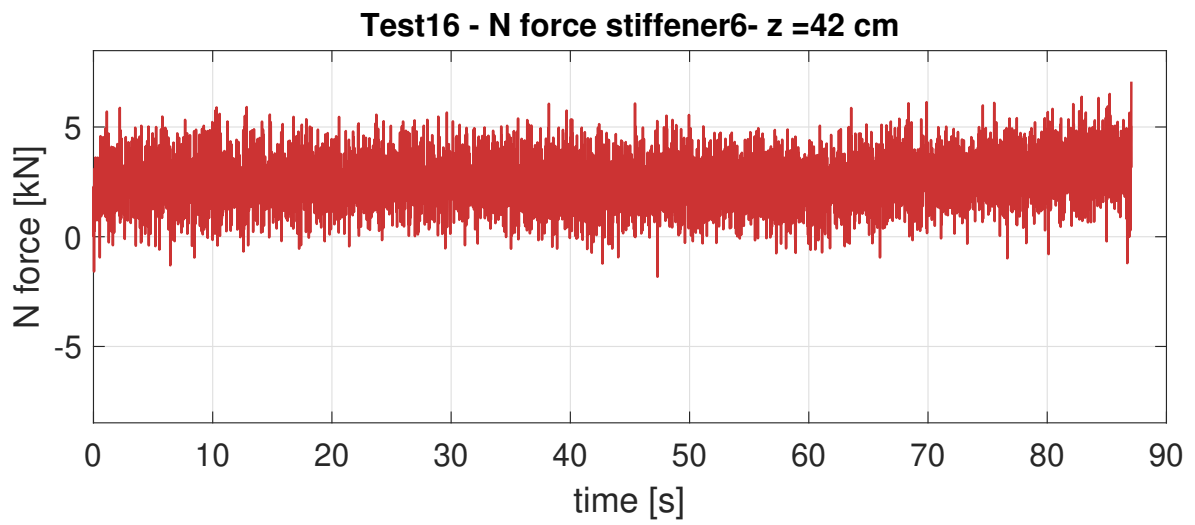
- Montante numero 4



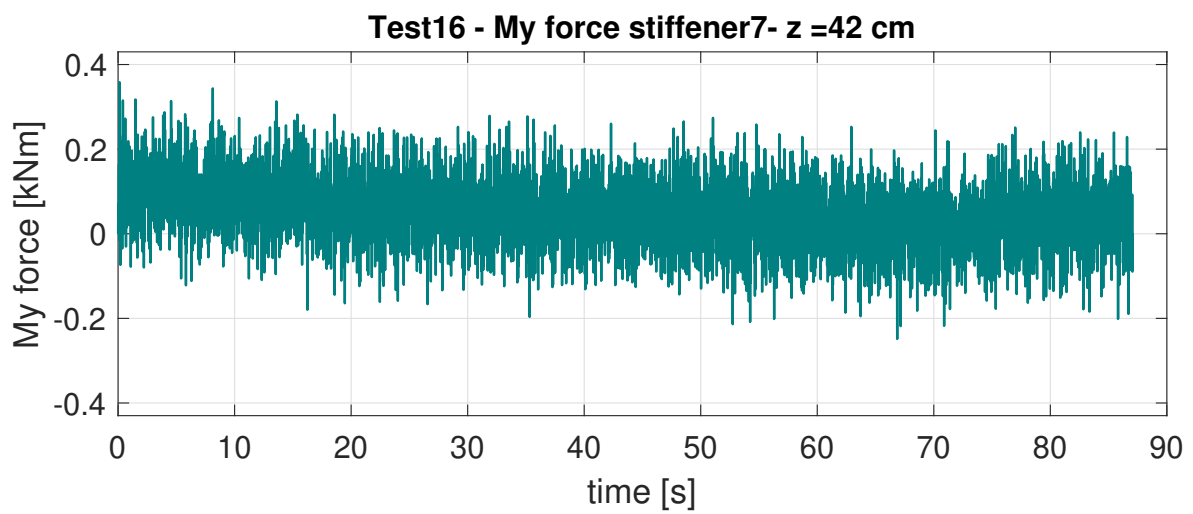
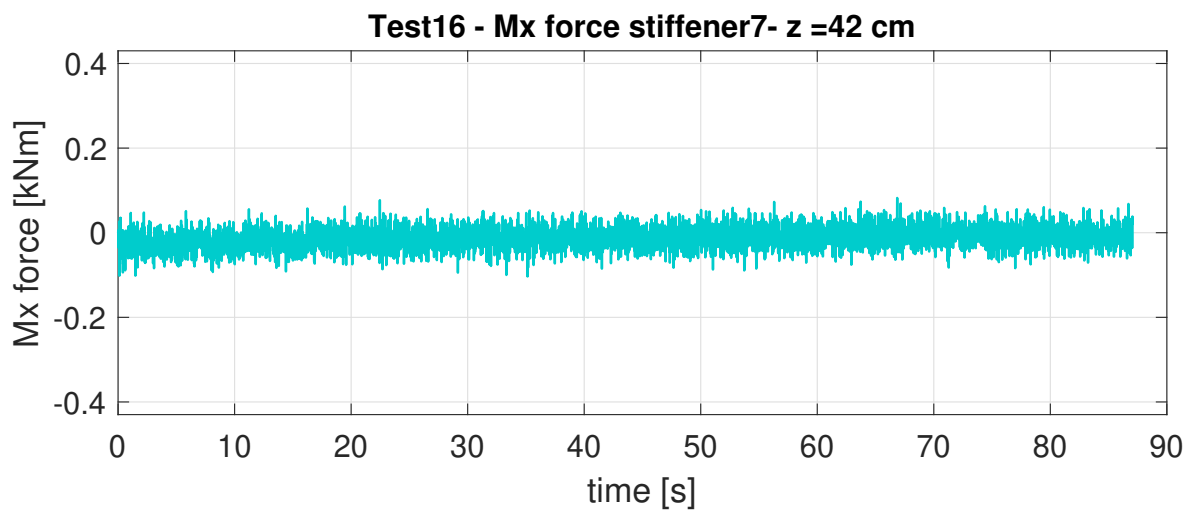
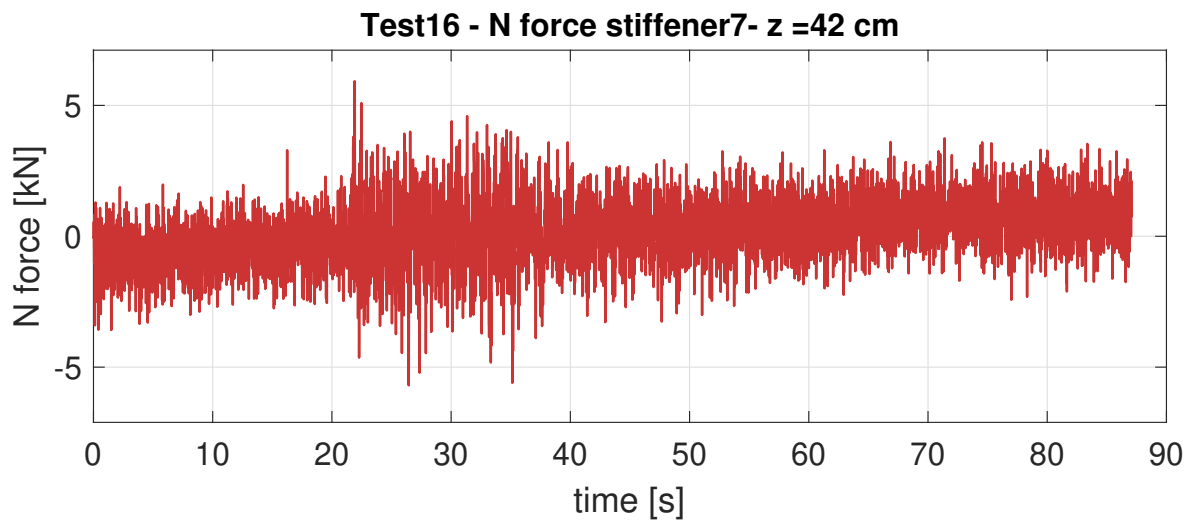
- Montante numero 5



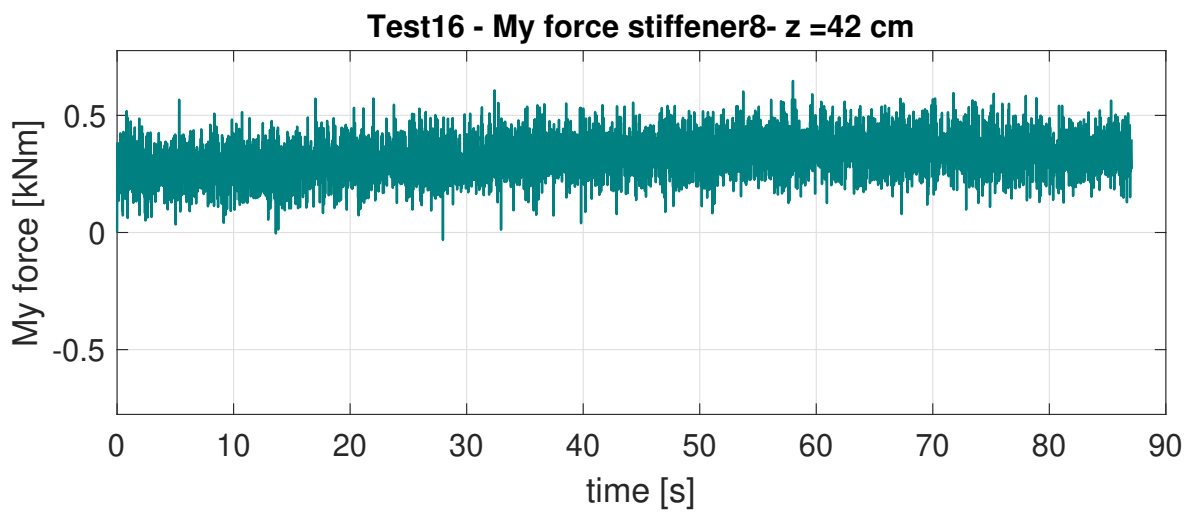
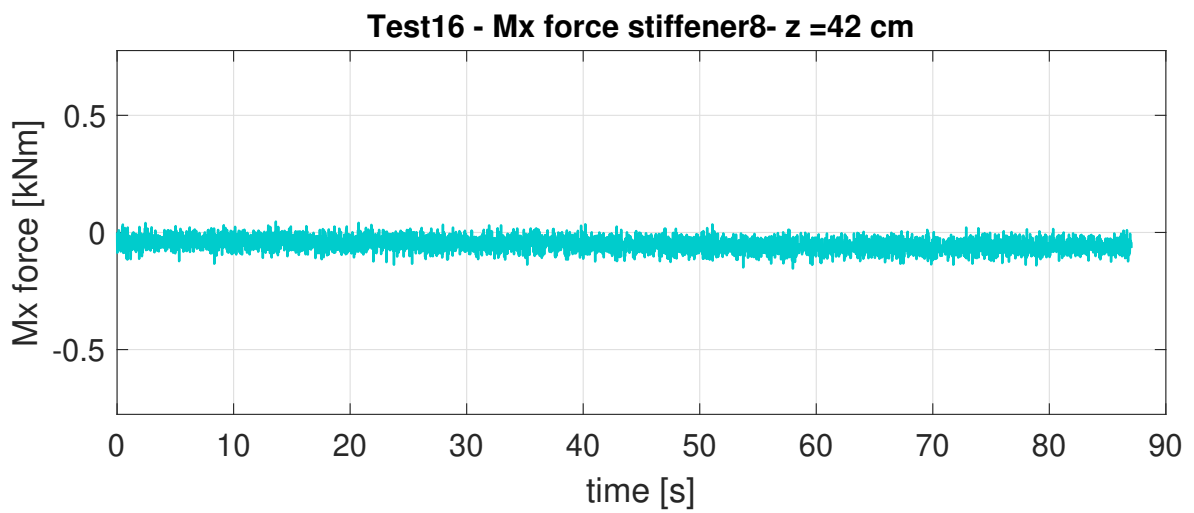
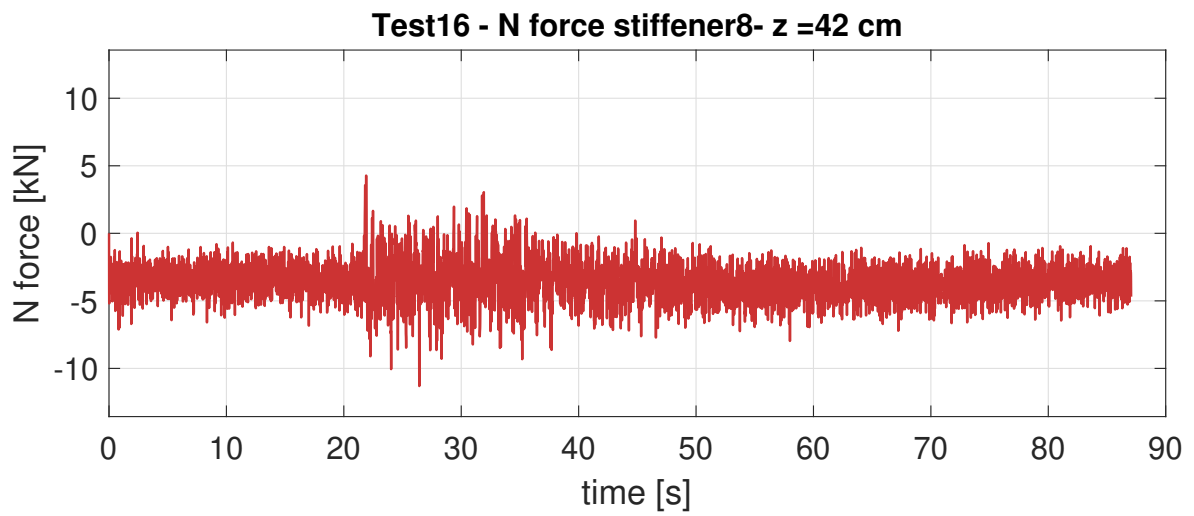
- Montante numero 6



- Montante numero 7

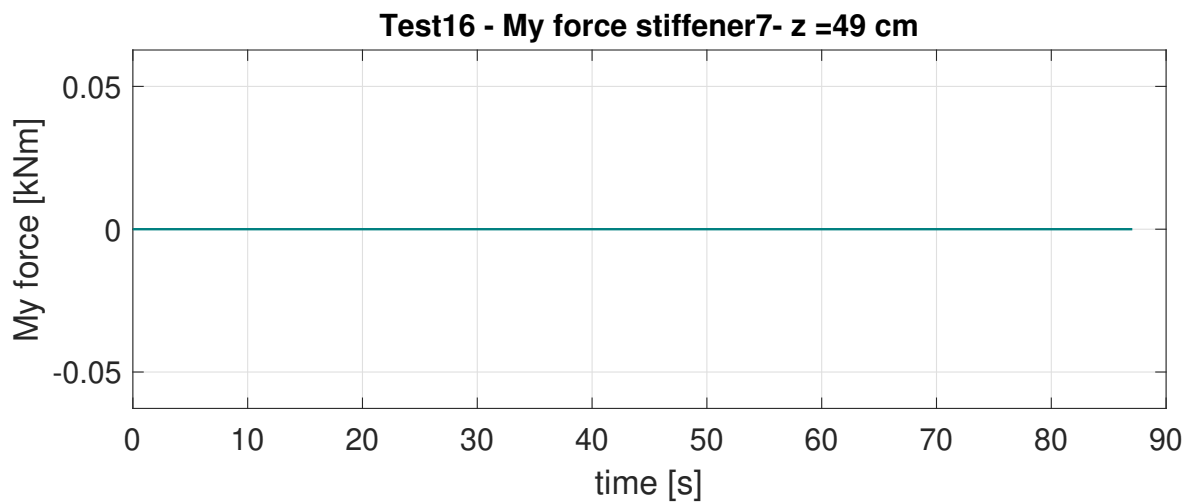
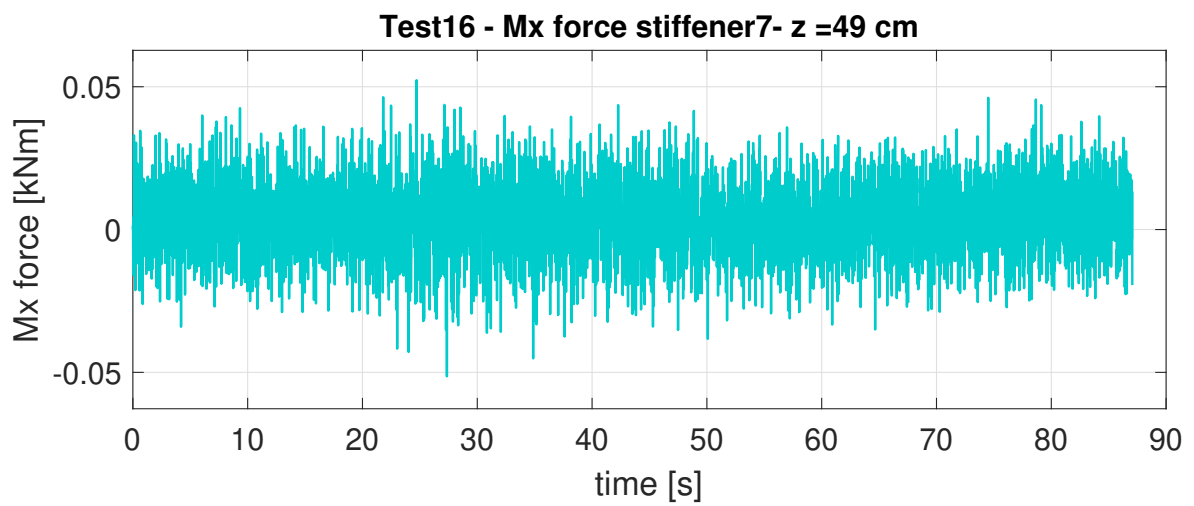
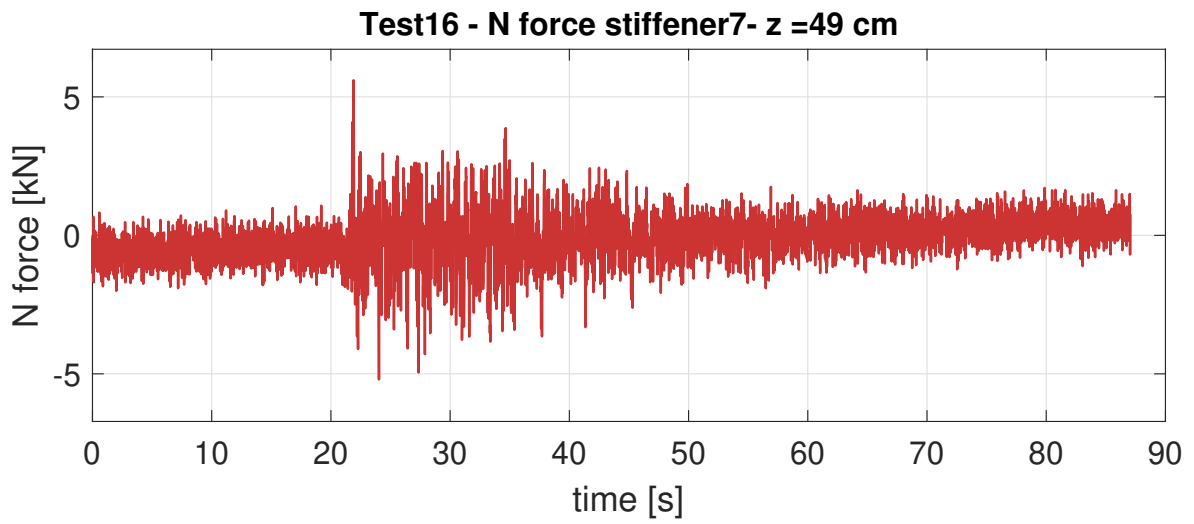


– Montante numero 8



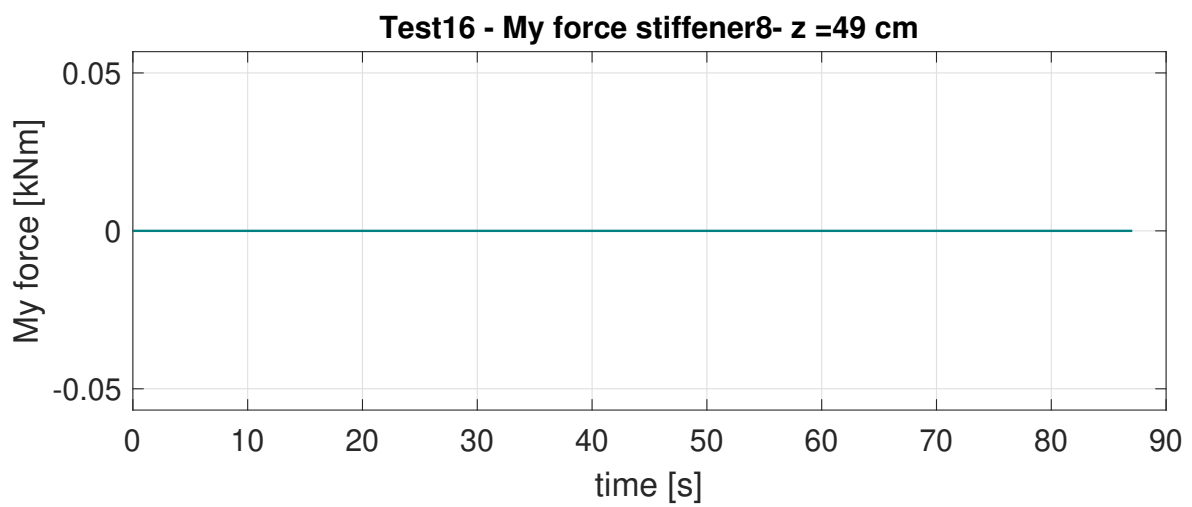
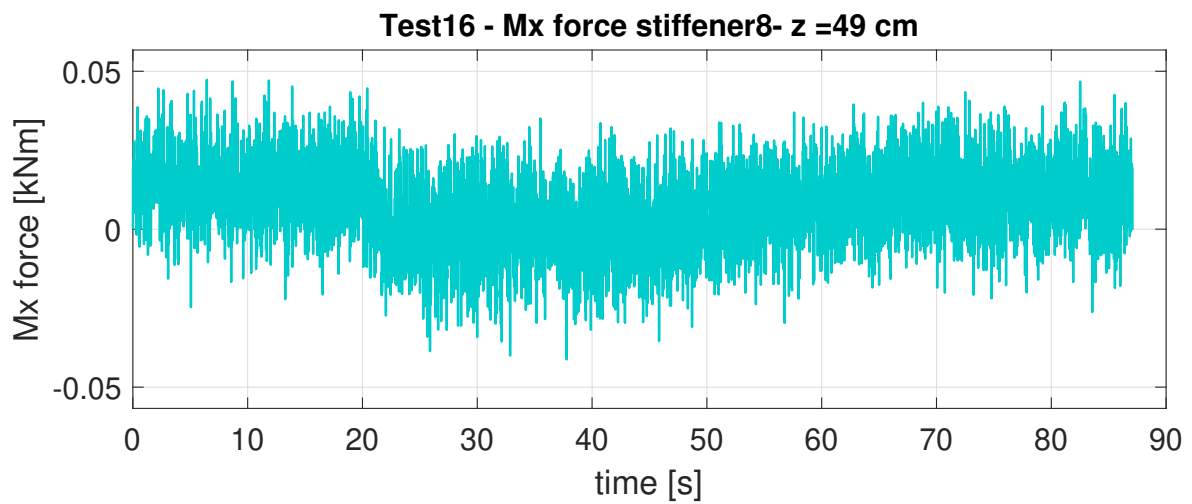
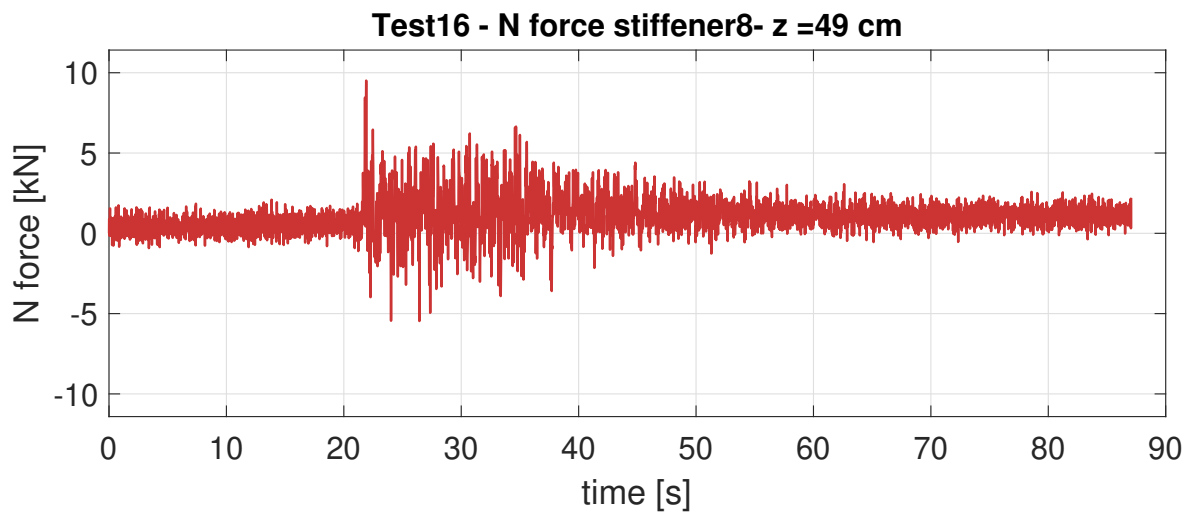
**Quota z = 49 cm**

– Montante numero 7



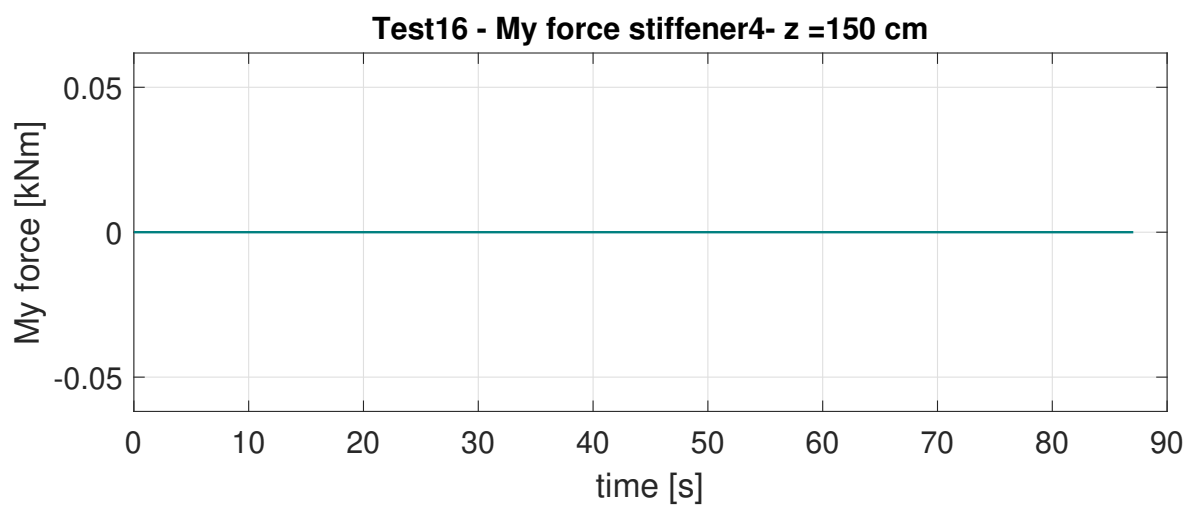
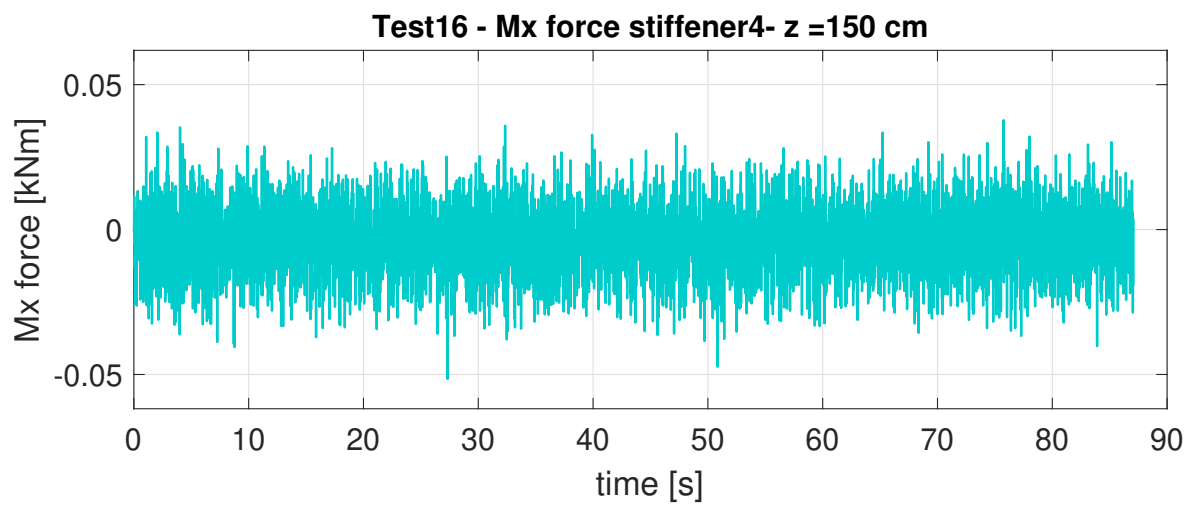
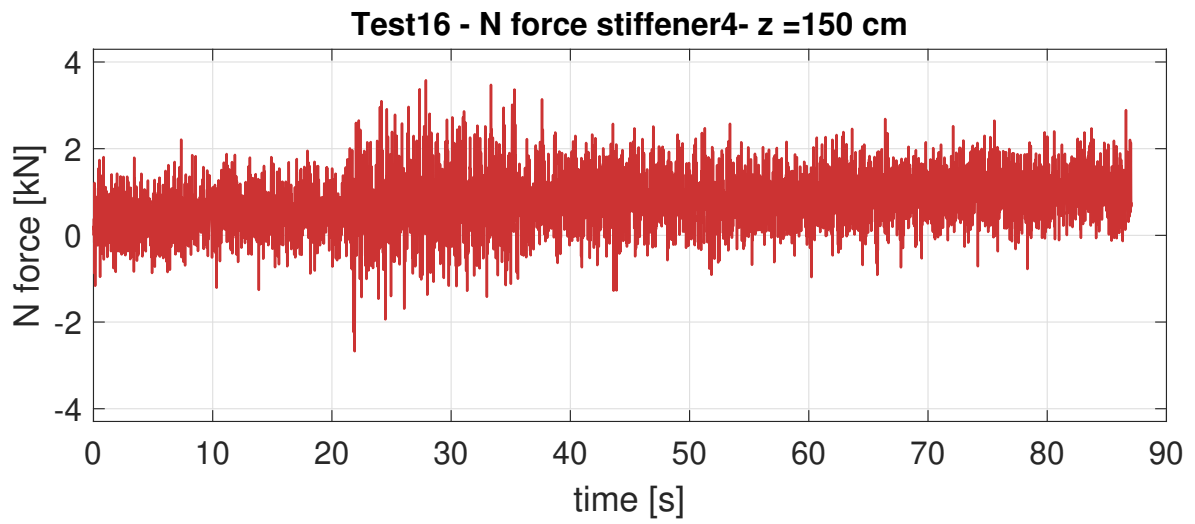


– Montante numero 8

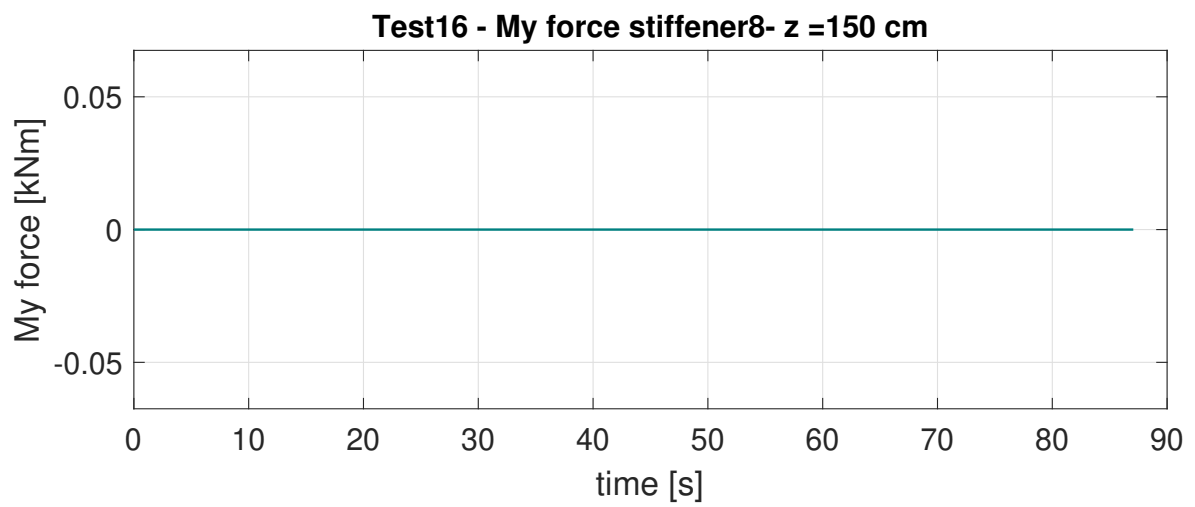
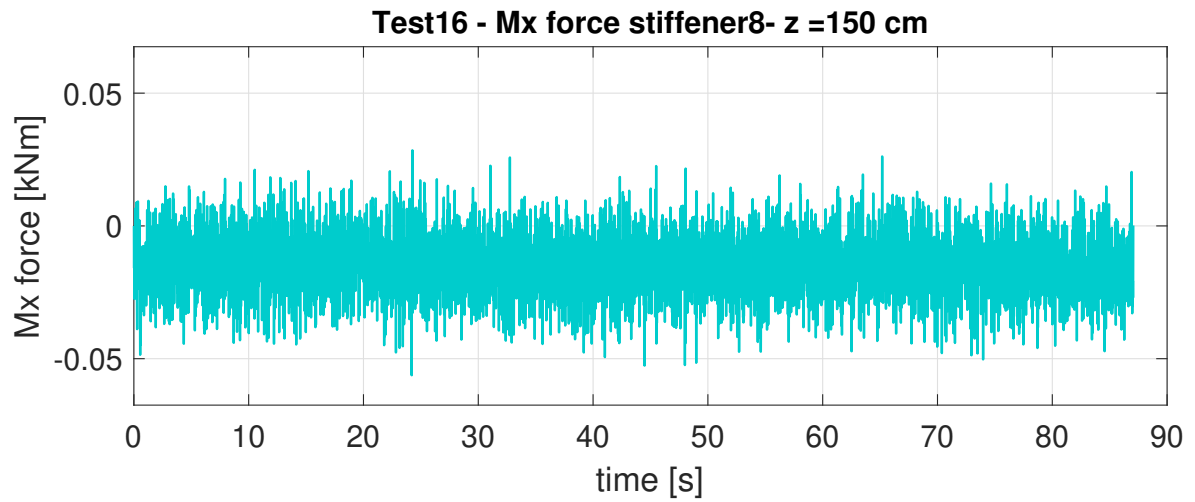
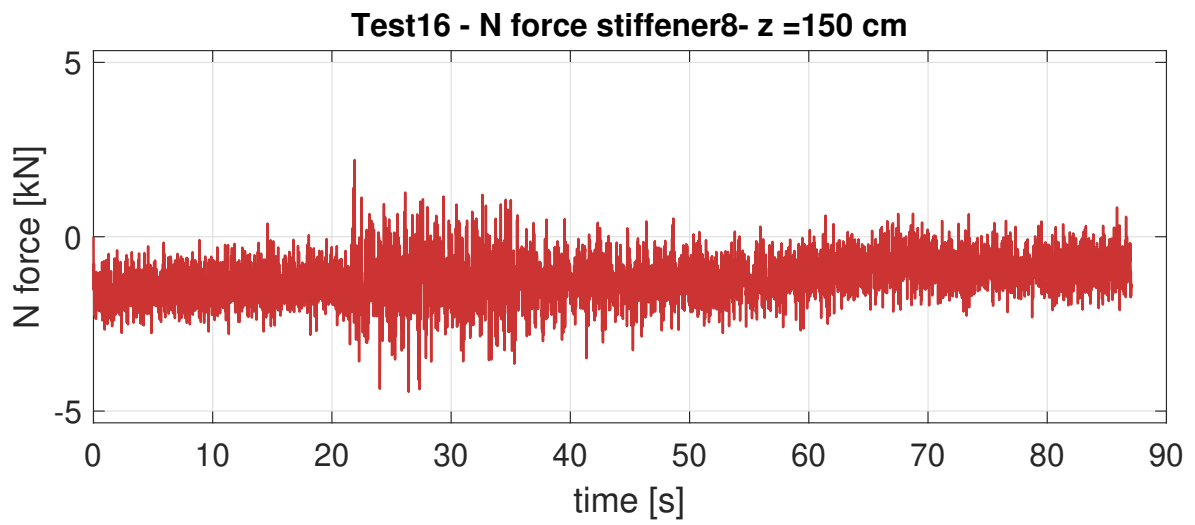


**Quota z = 150 cm**

– Montante numero 4

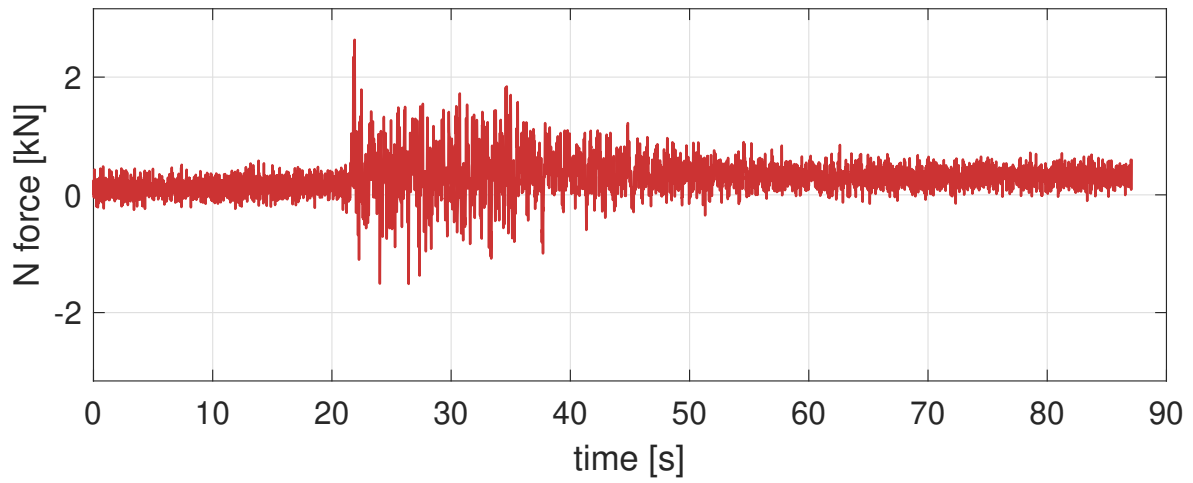
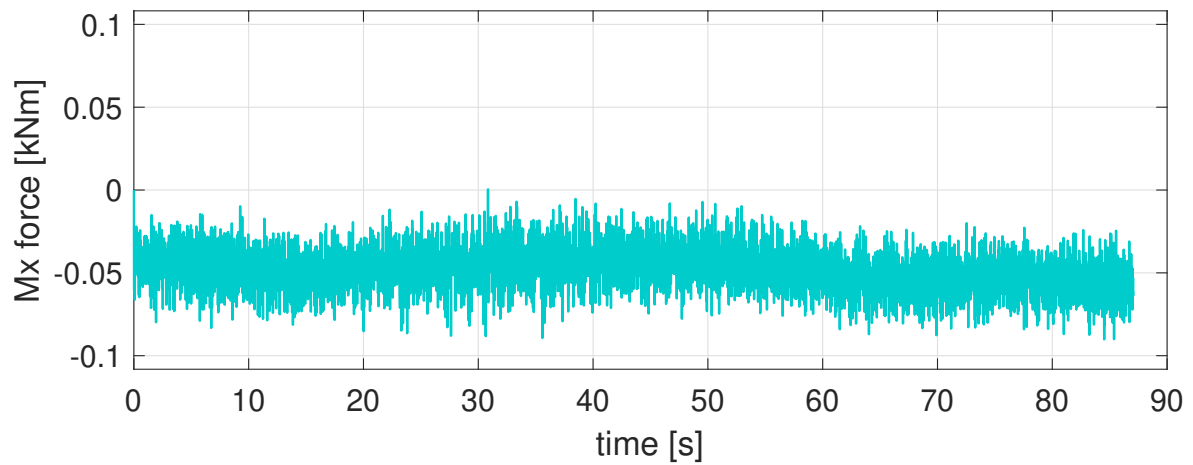
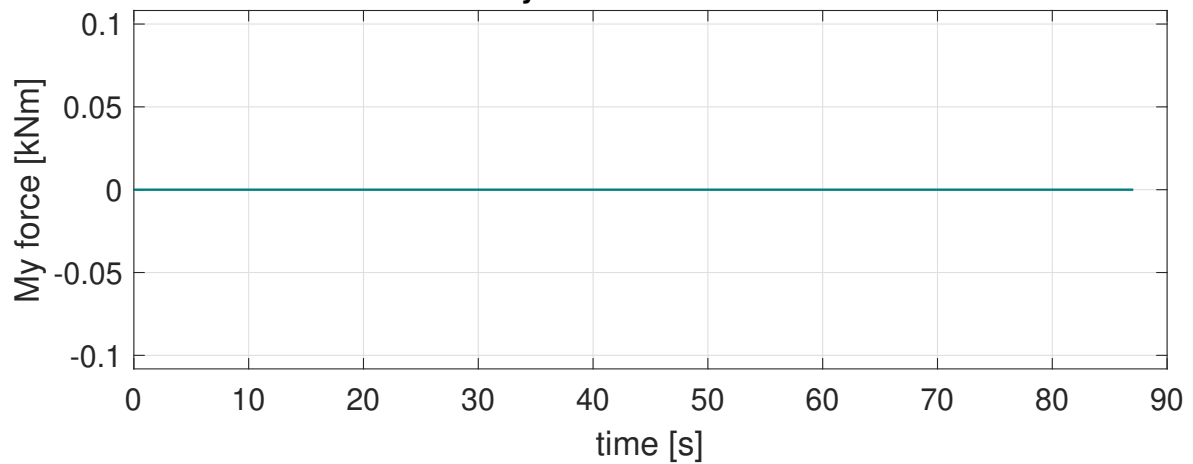


- Montante numero 8



**Quota z = 250 cm**

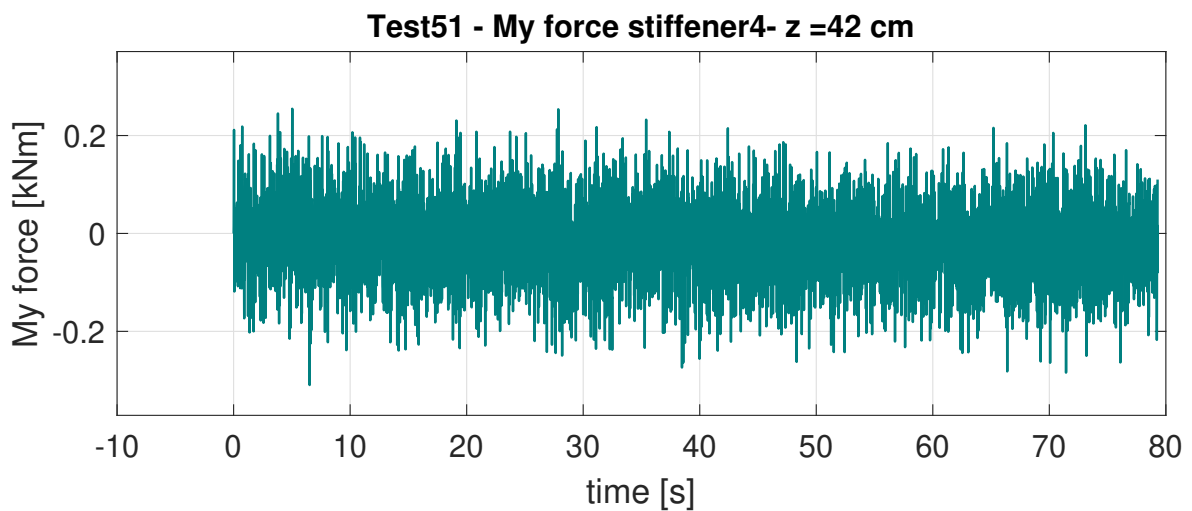
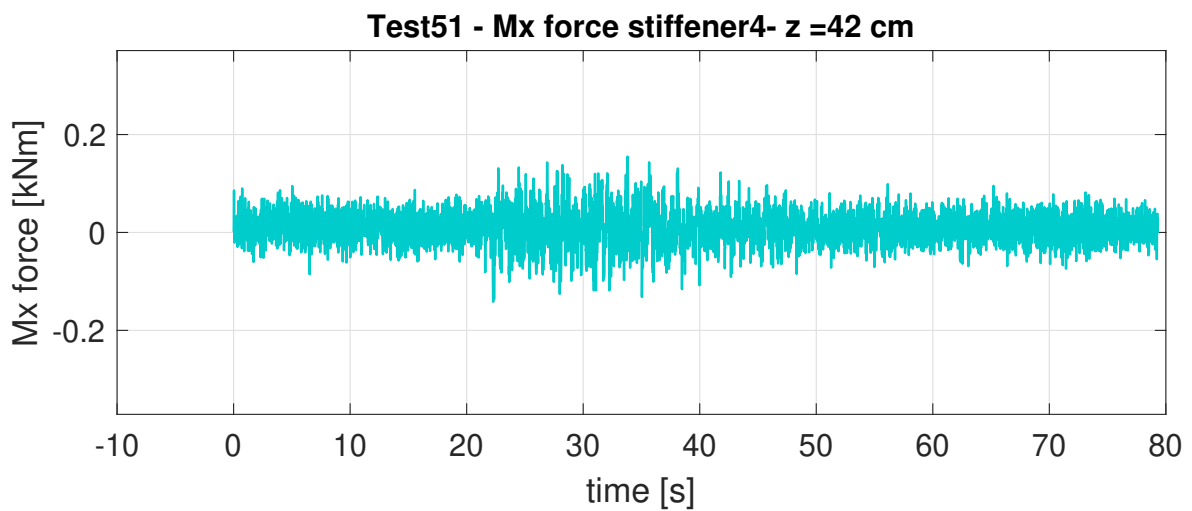
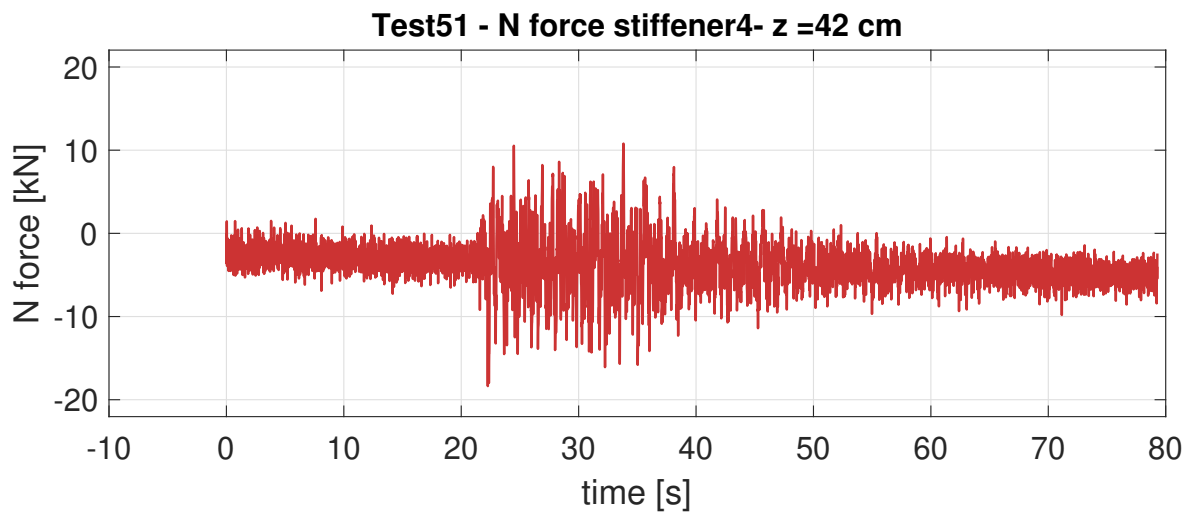
– Montante numero 8

**Test16 - N force stiffener8- z =250 cm****Test16 - Mx force stiffener8- z =250 cm****Test16 - My force stiffener8- z =250 cm**

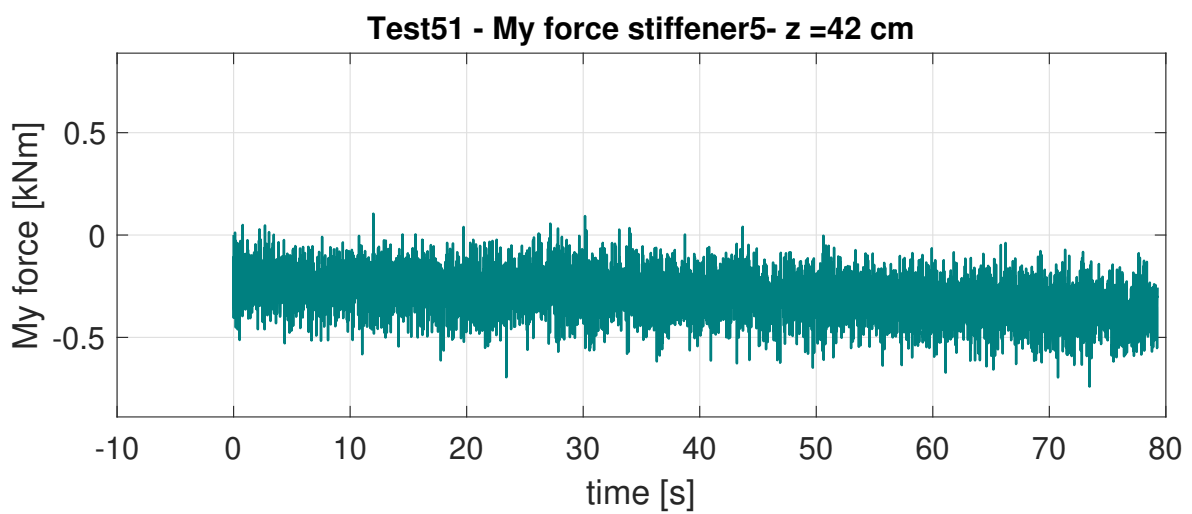
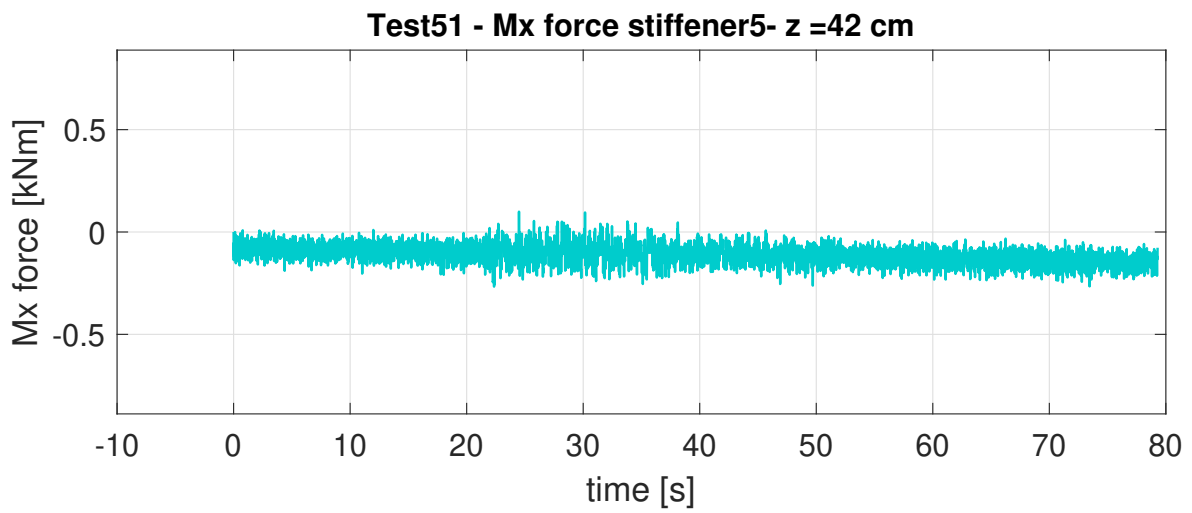
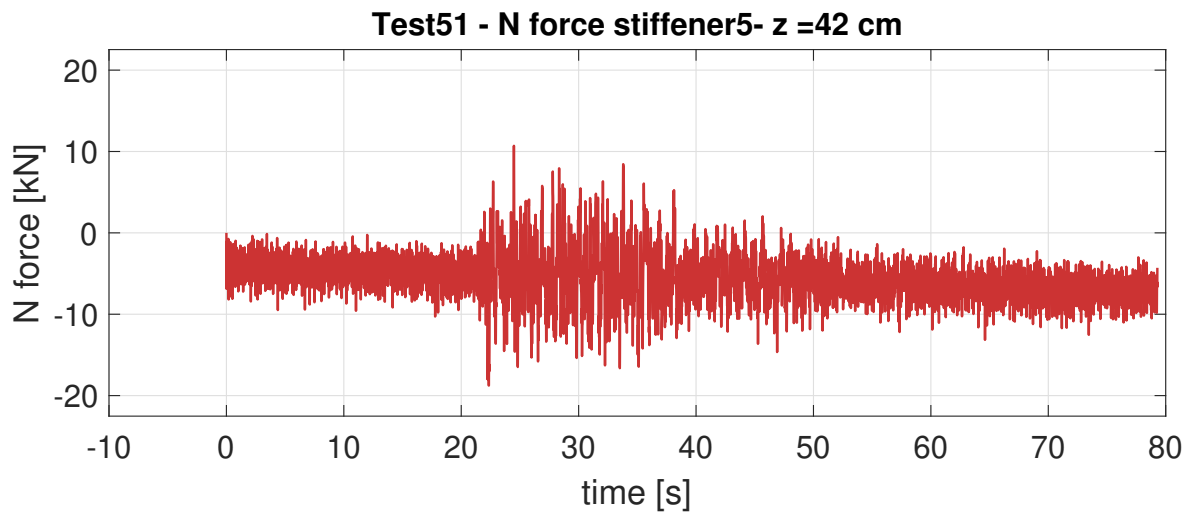
- Terremoto A1 0.3 g

Quota z = 42 cm

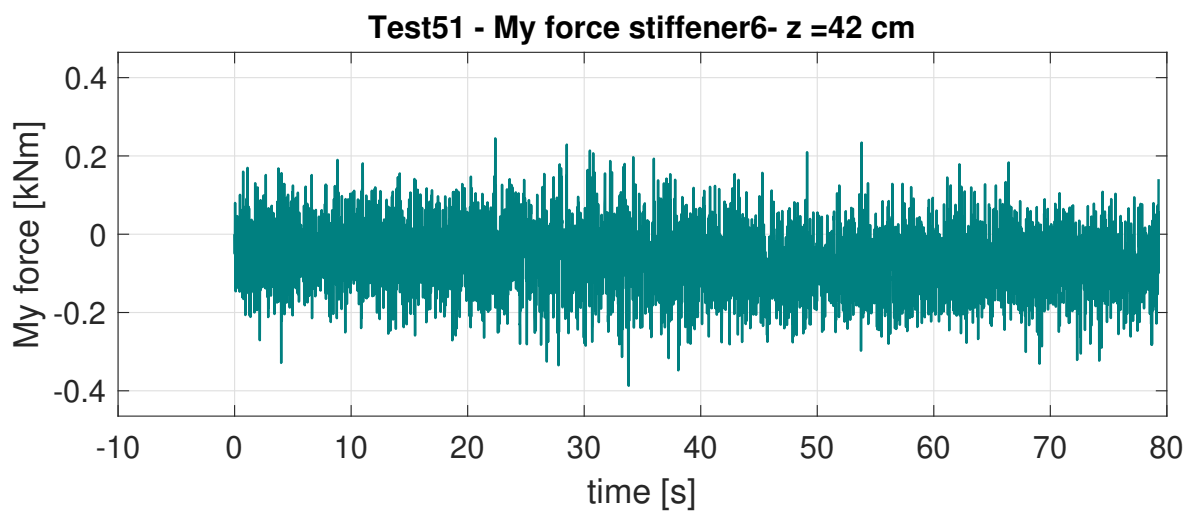
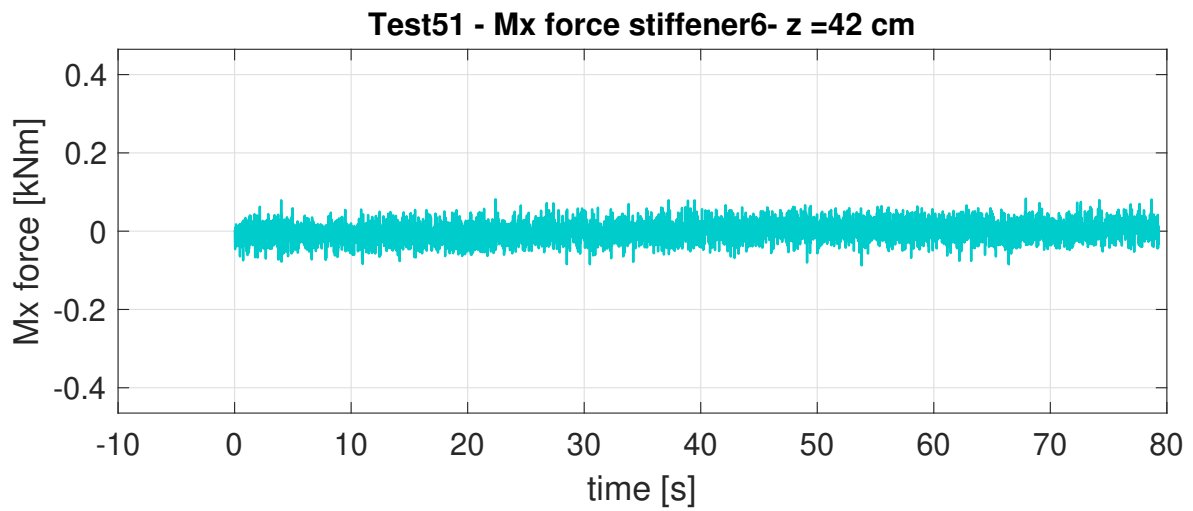
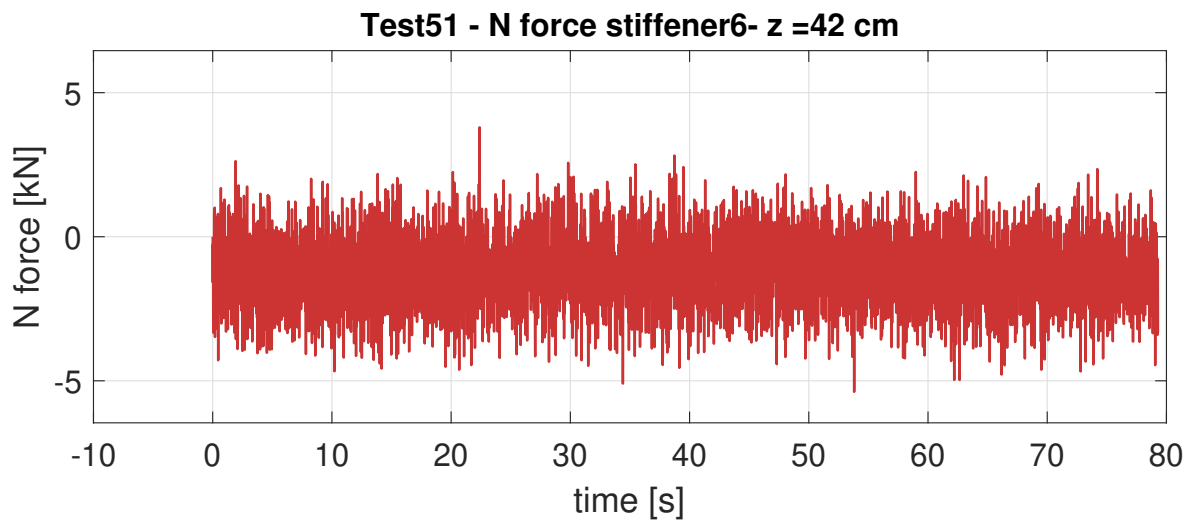
– Montante numero 4



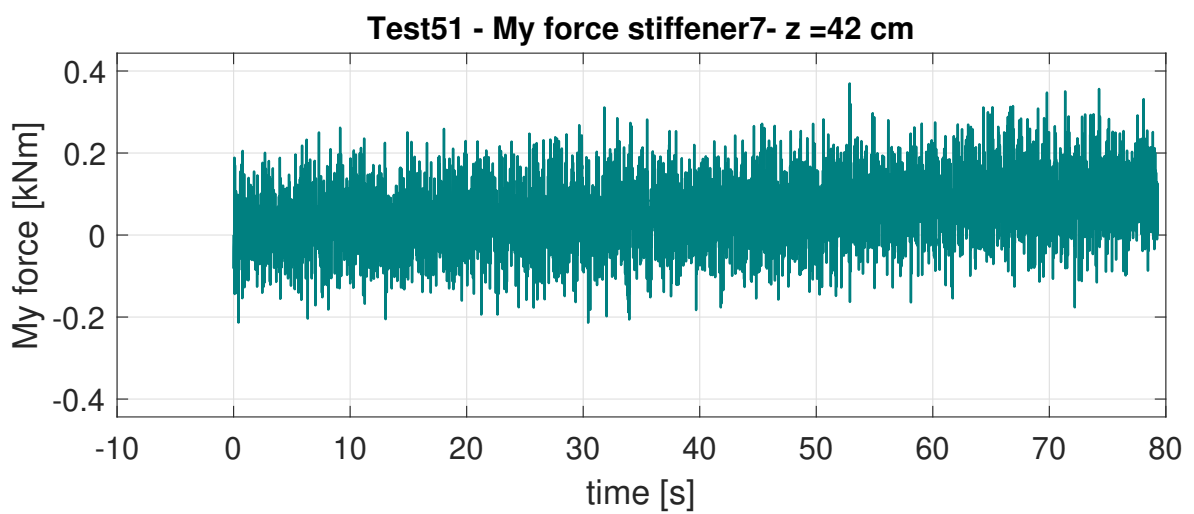
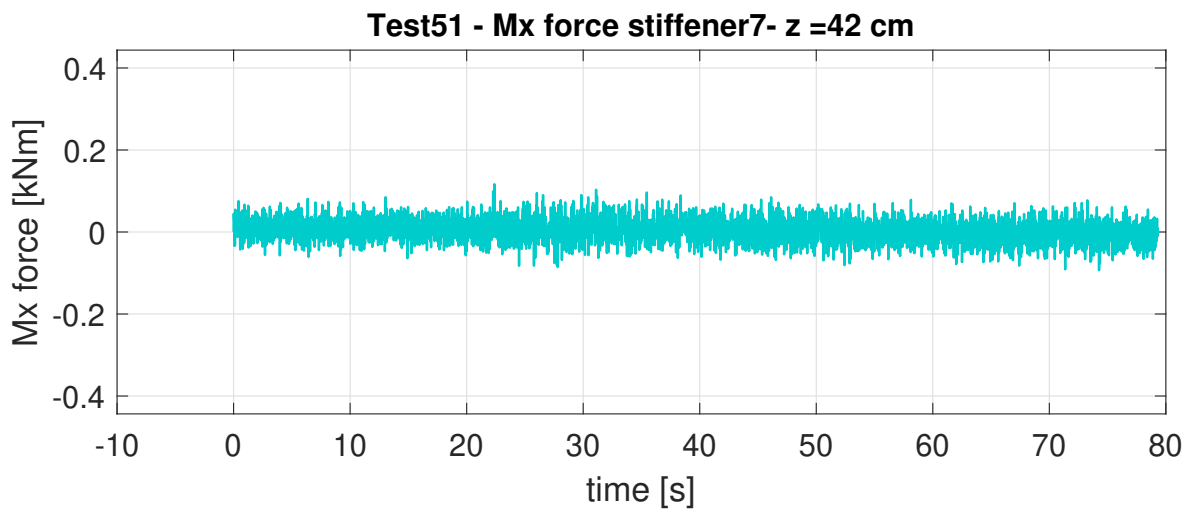
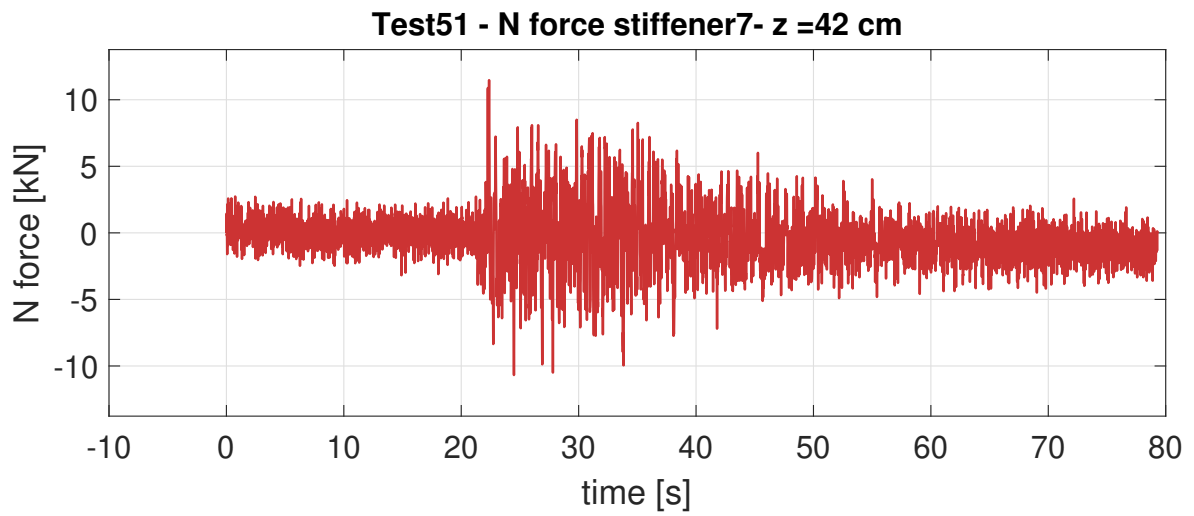
- Montante numero 5



– Montante numero 6

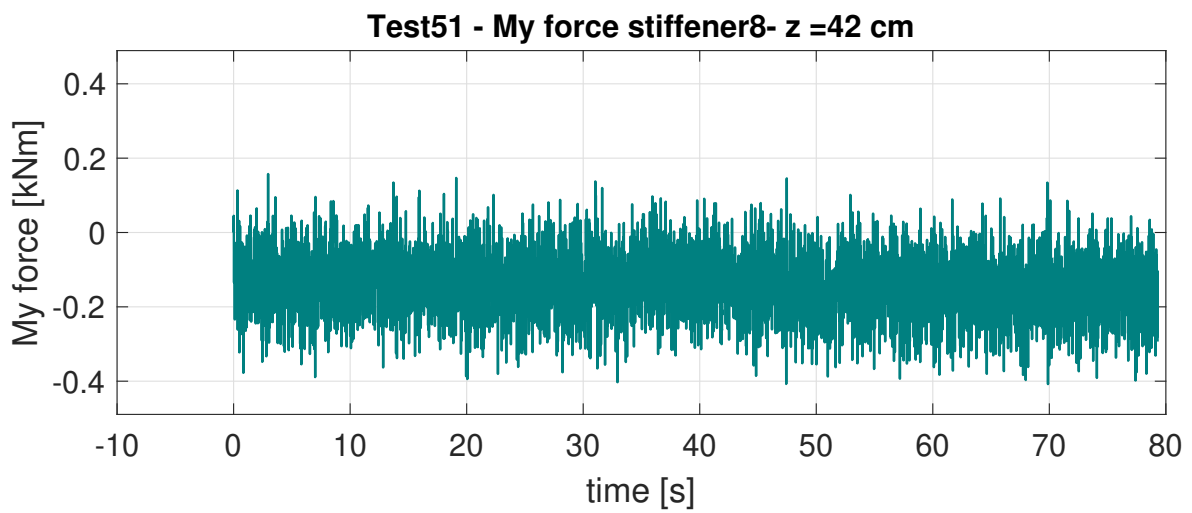
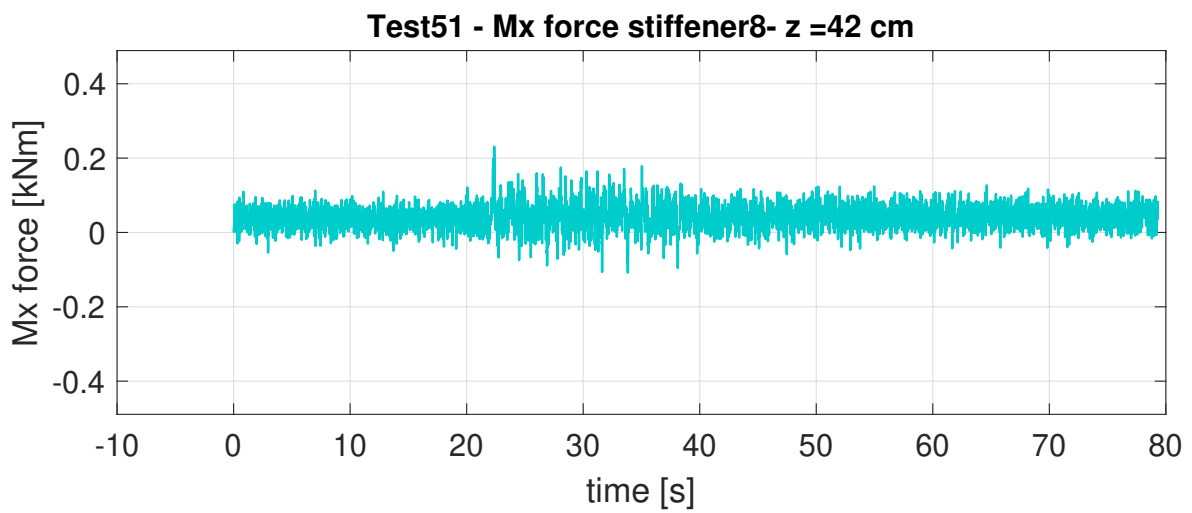
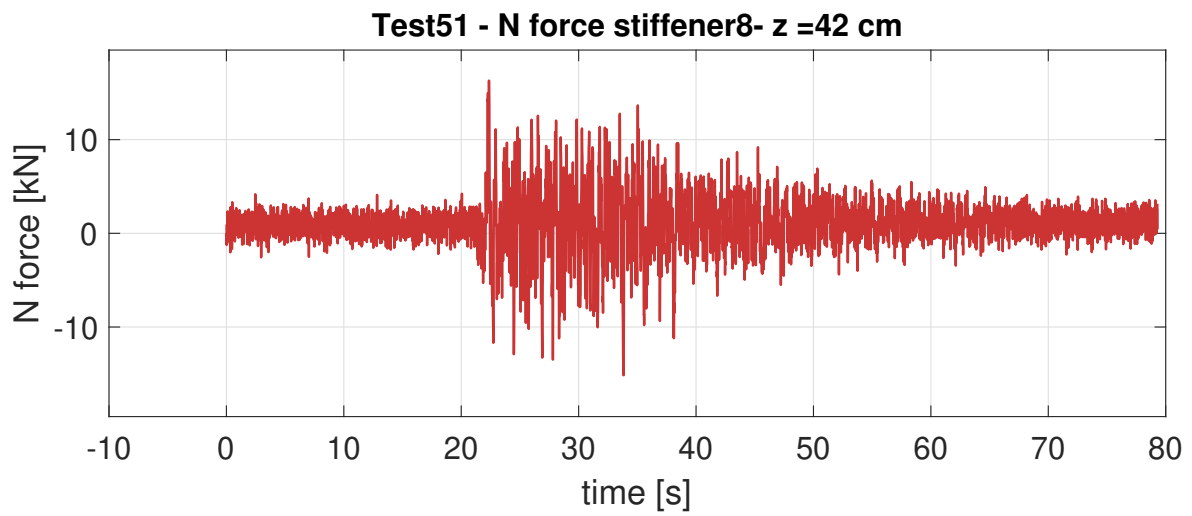


- Montante numero 7



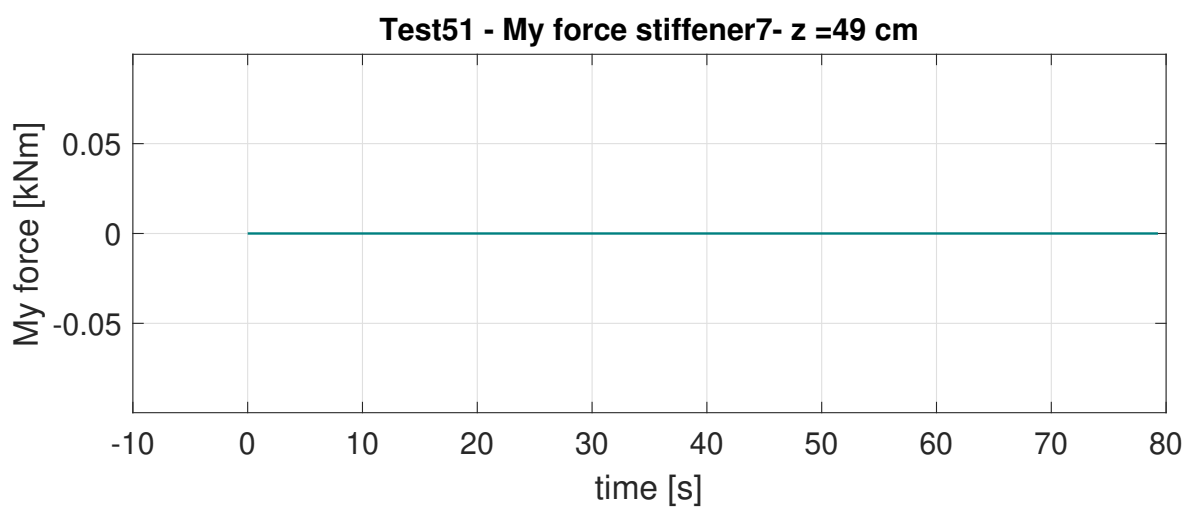
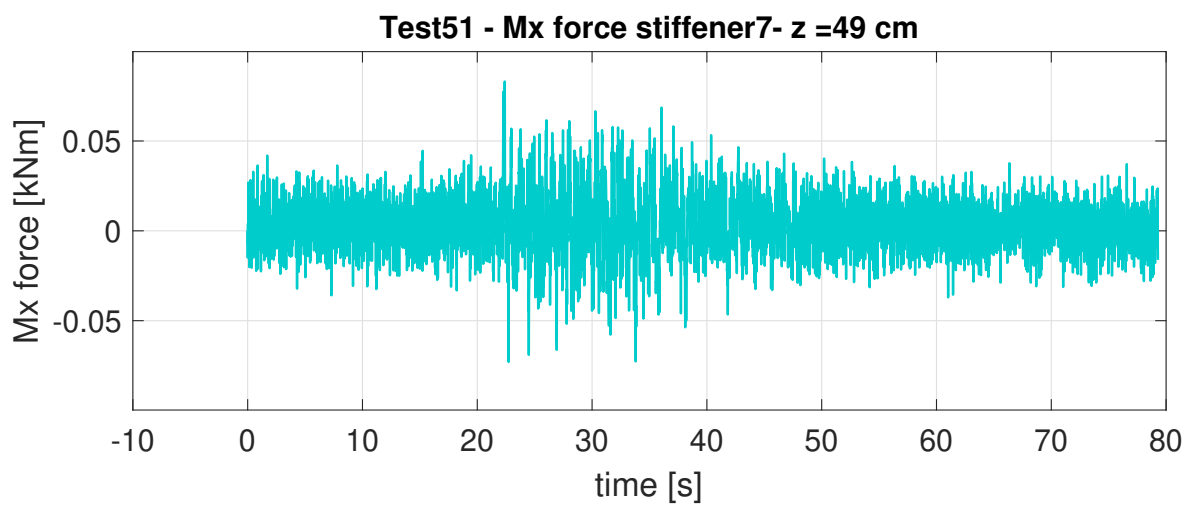
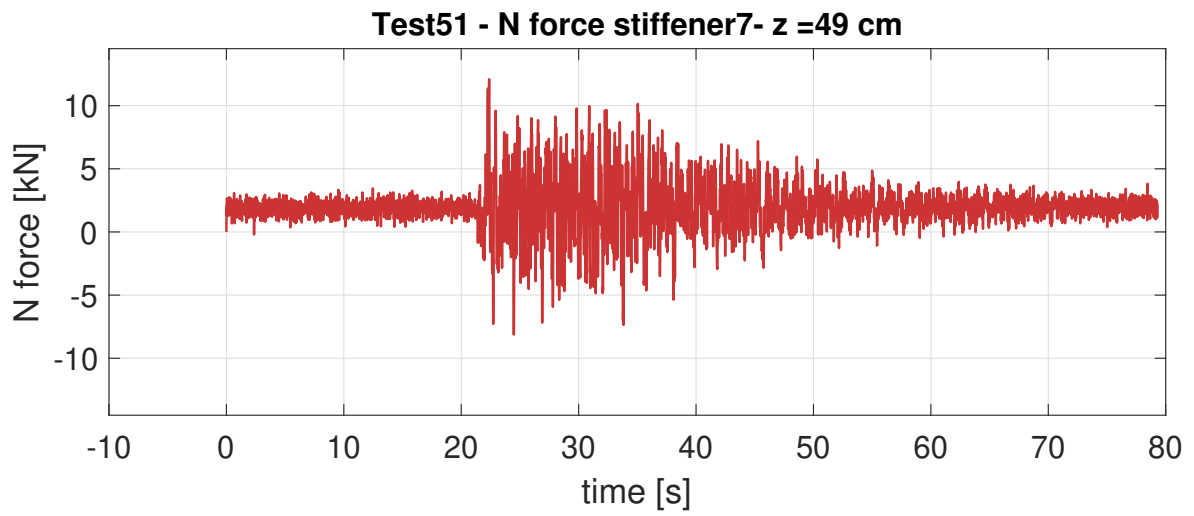


– Montante numero 8

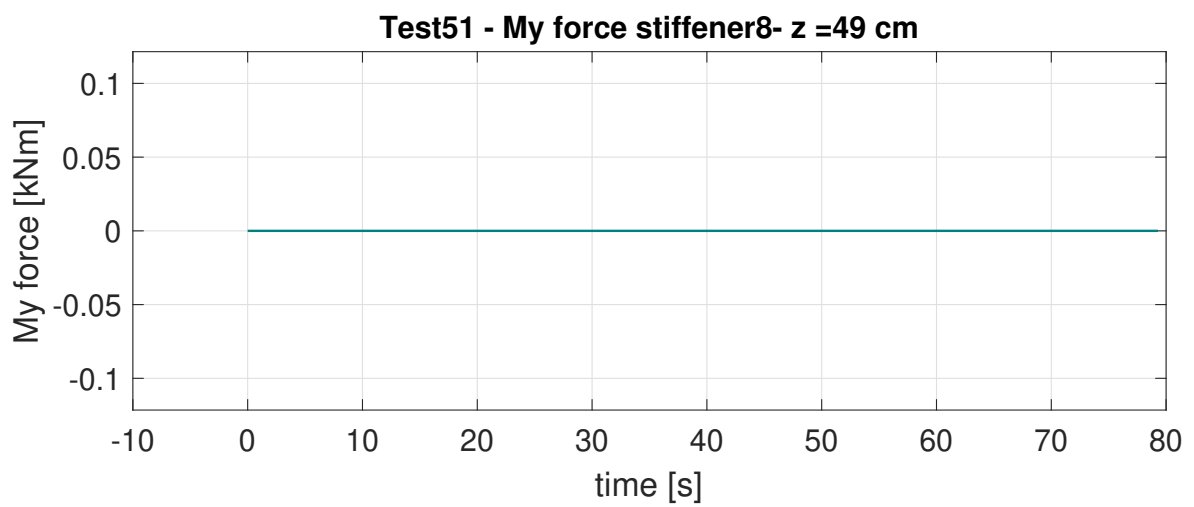
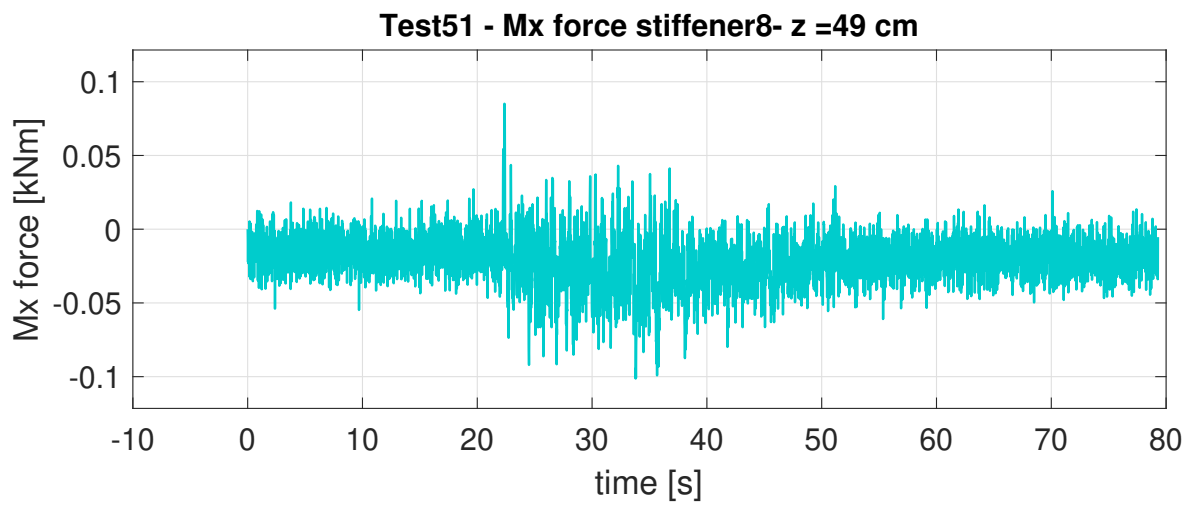
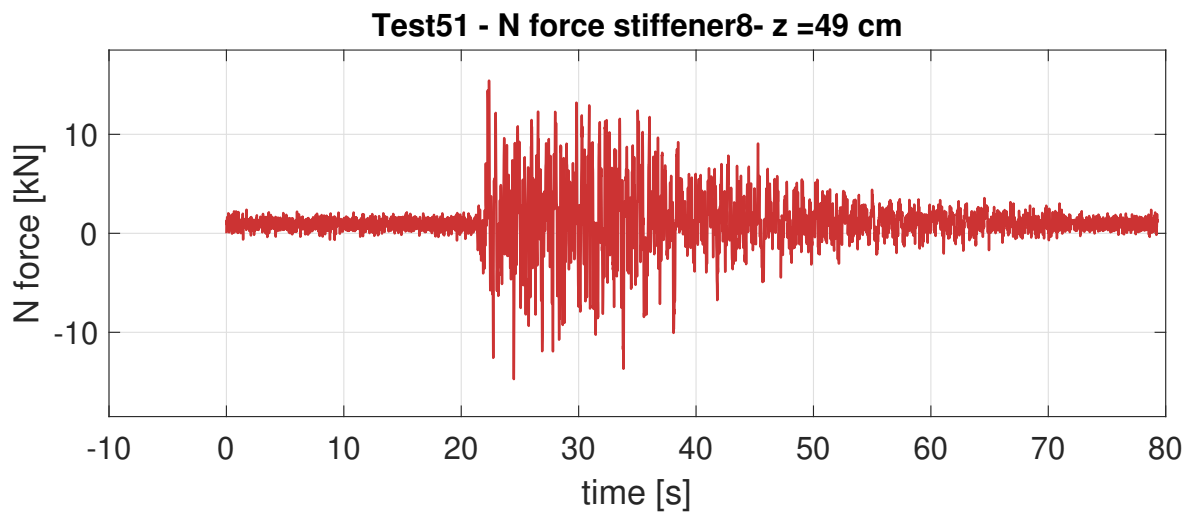


**Quota z = 49 cm**

– Montante numero 7

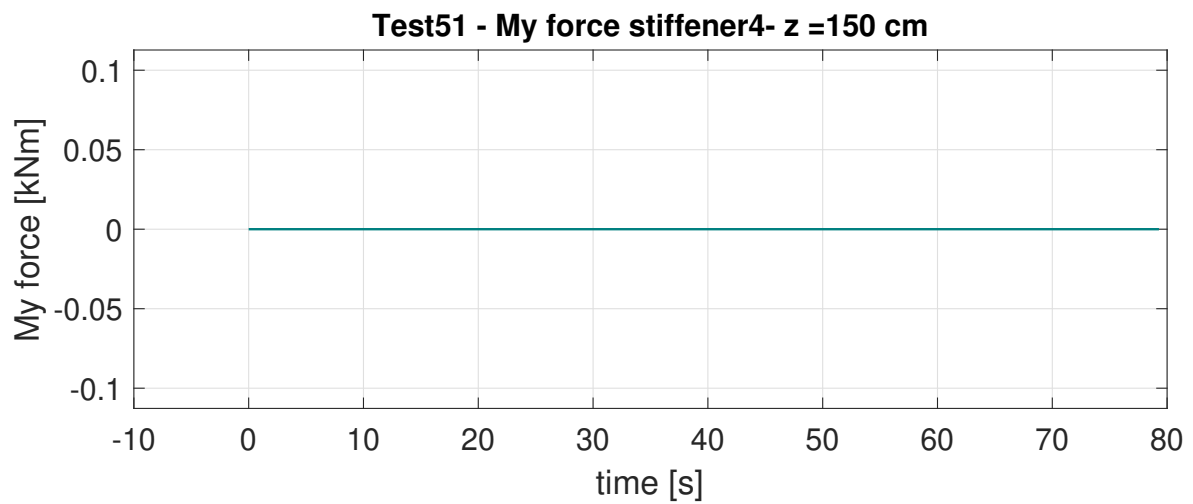
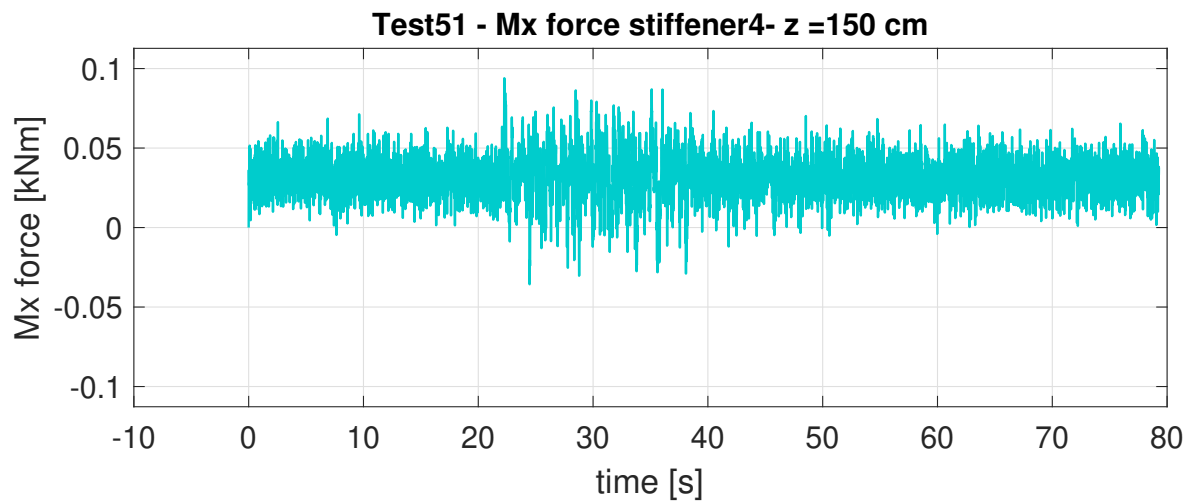
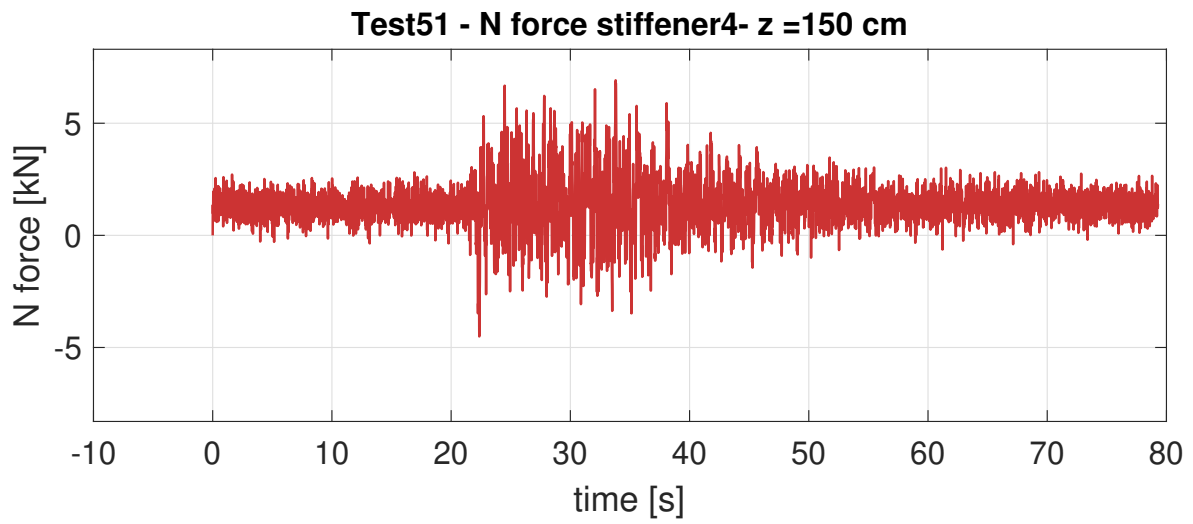


– Montante numero 8

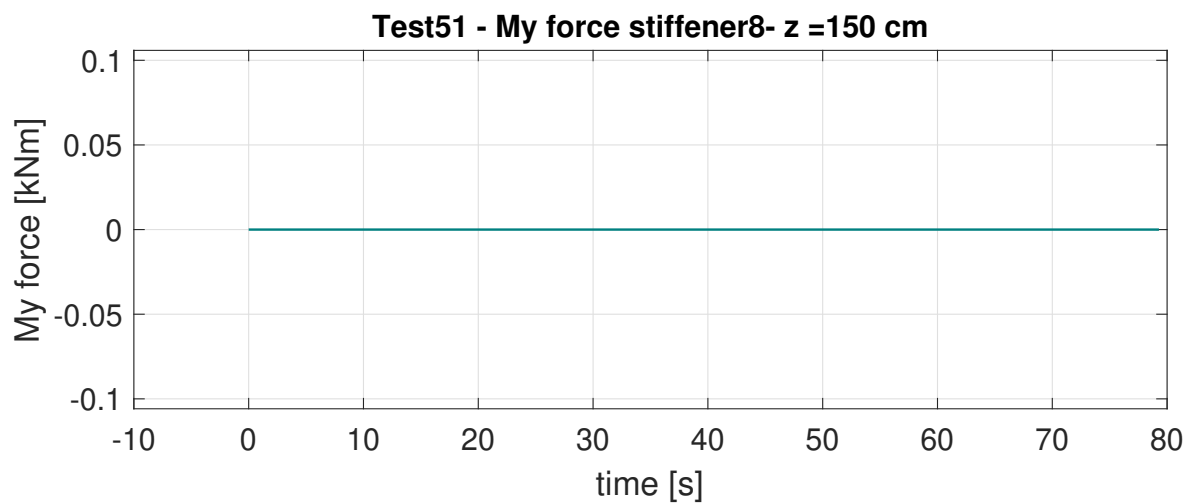
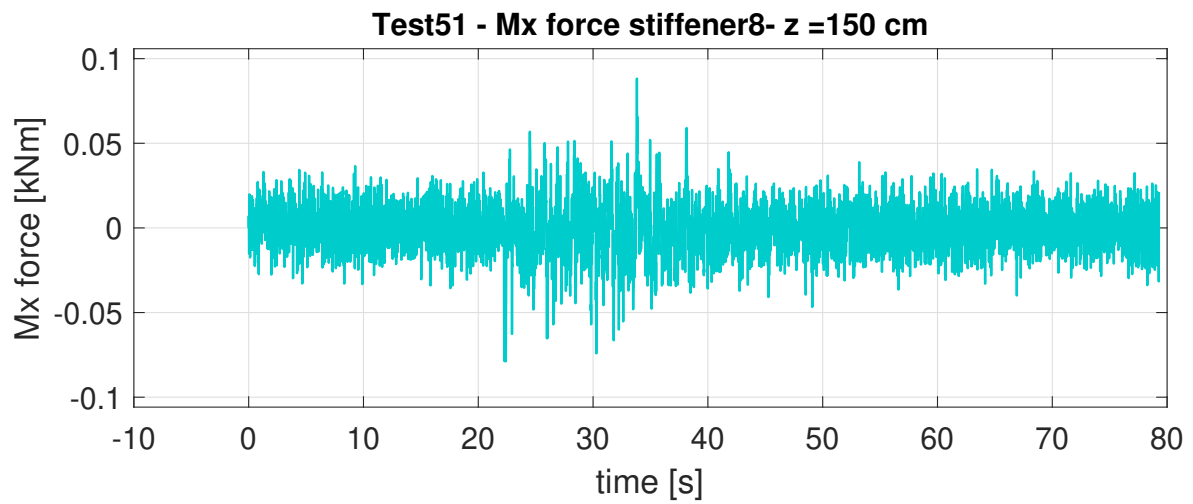
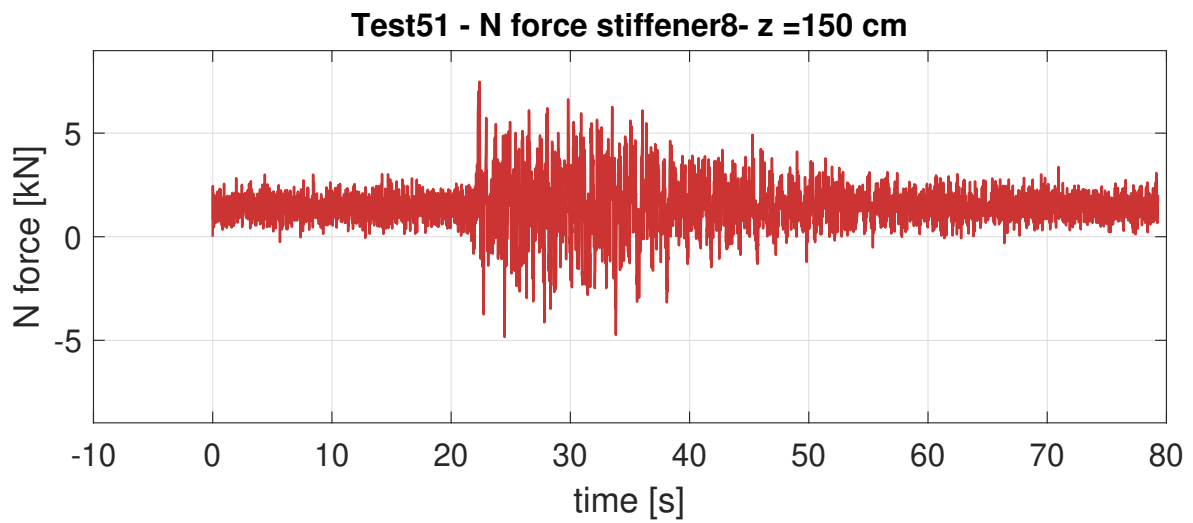


**Quota z = 150 cm**

– Montante numero 4

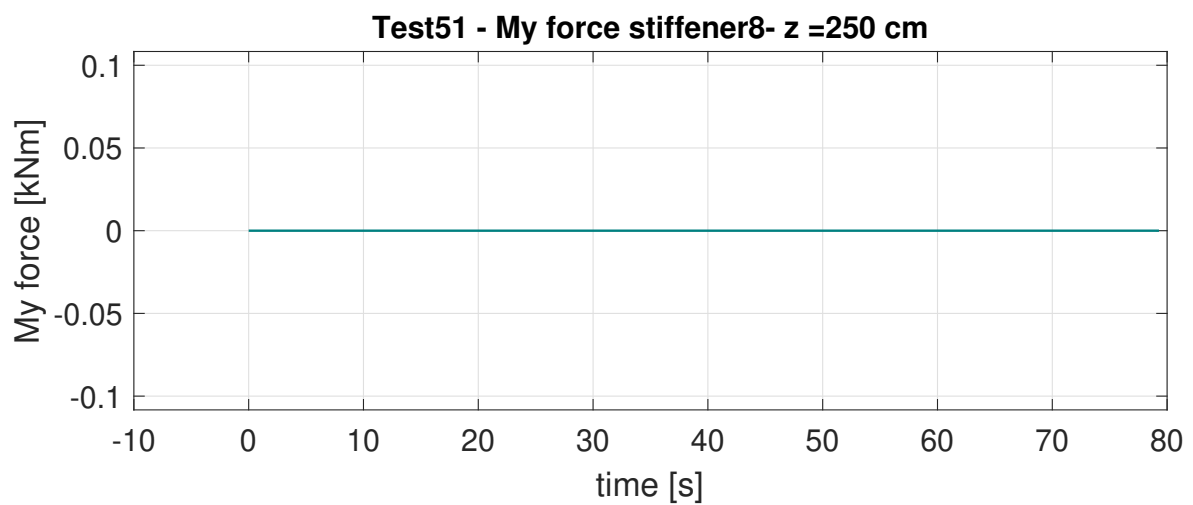
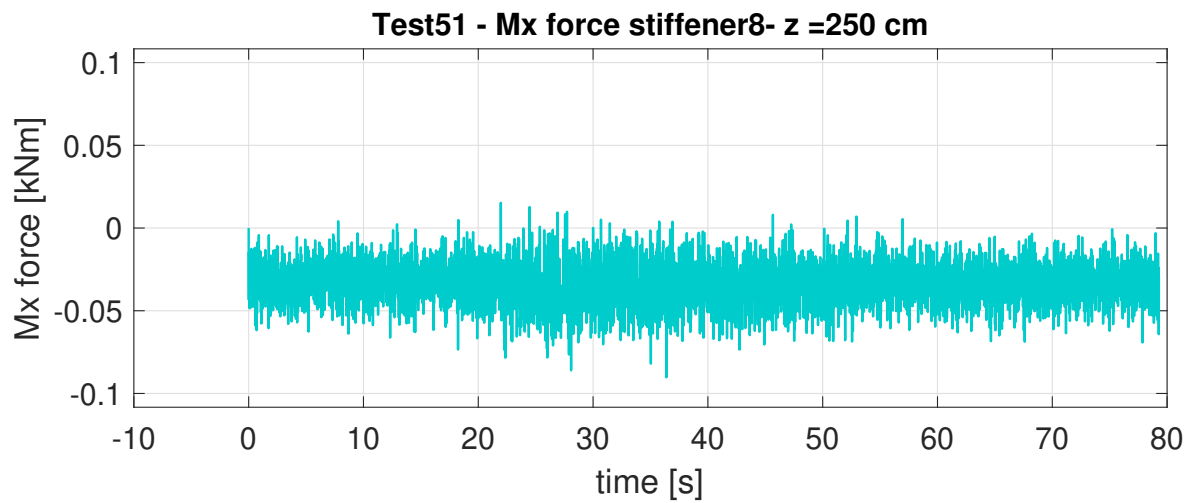
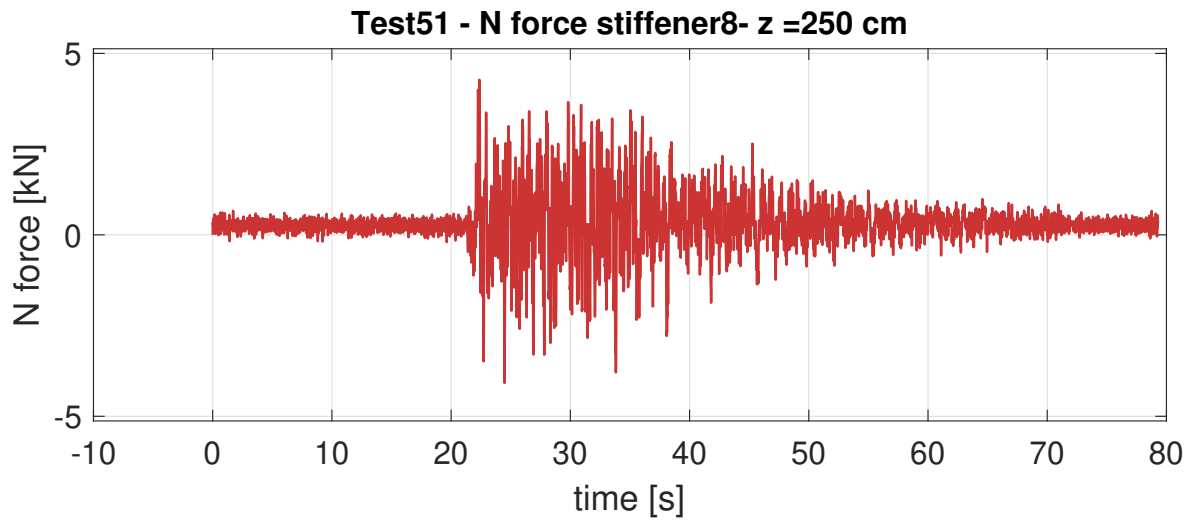


- Montante numero 8



**Quota z = 250 cm**

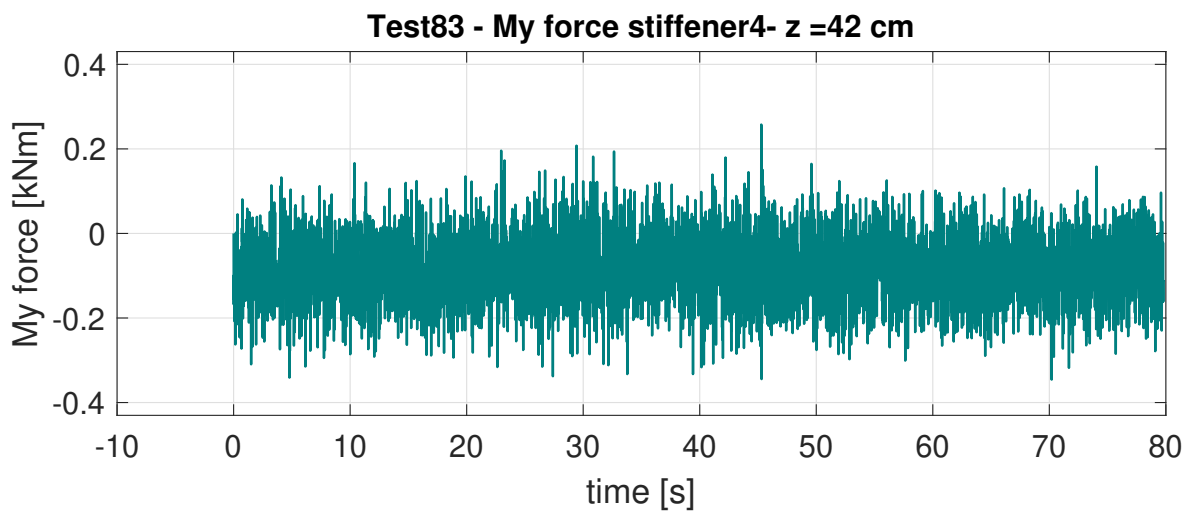
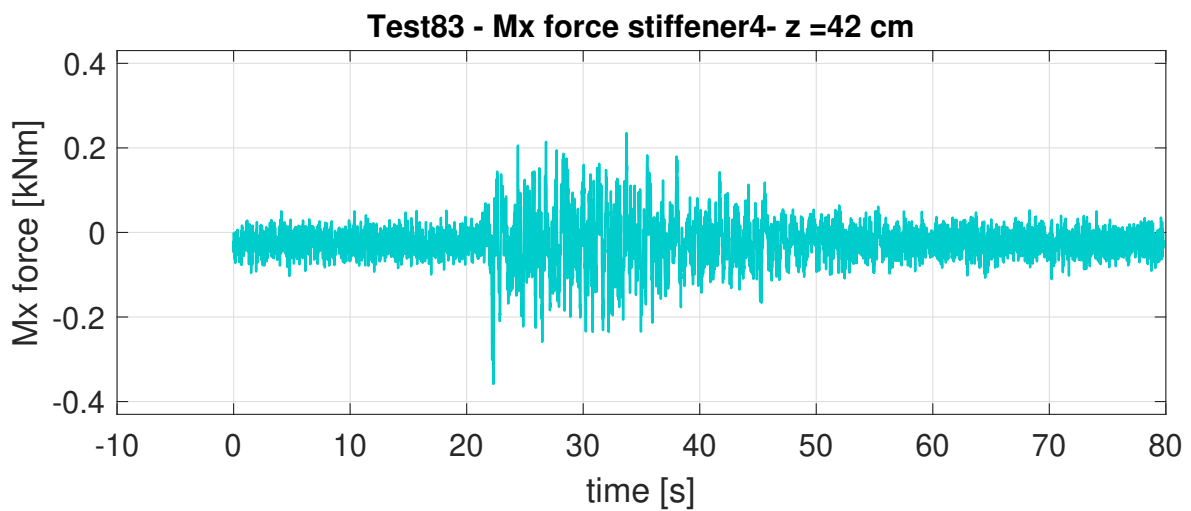
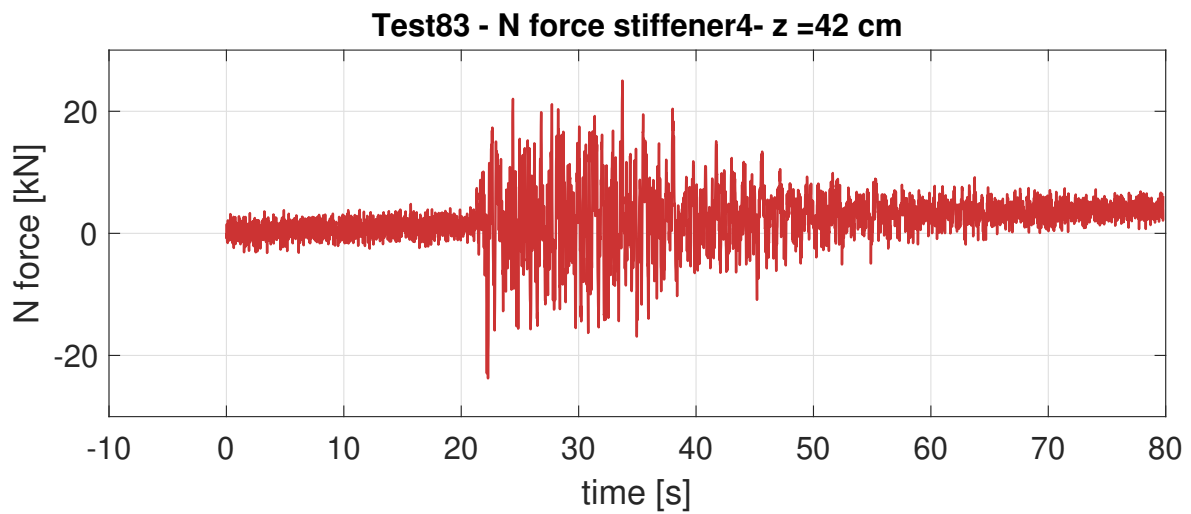
– Montante numero 8



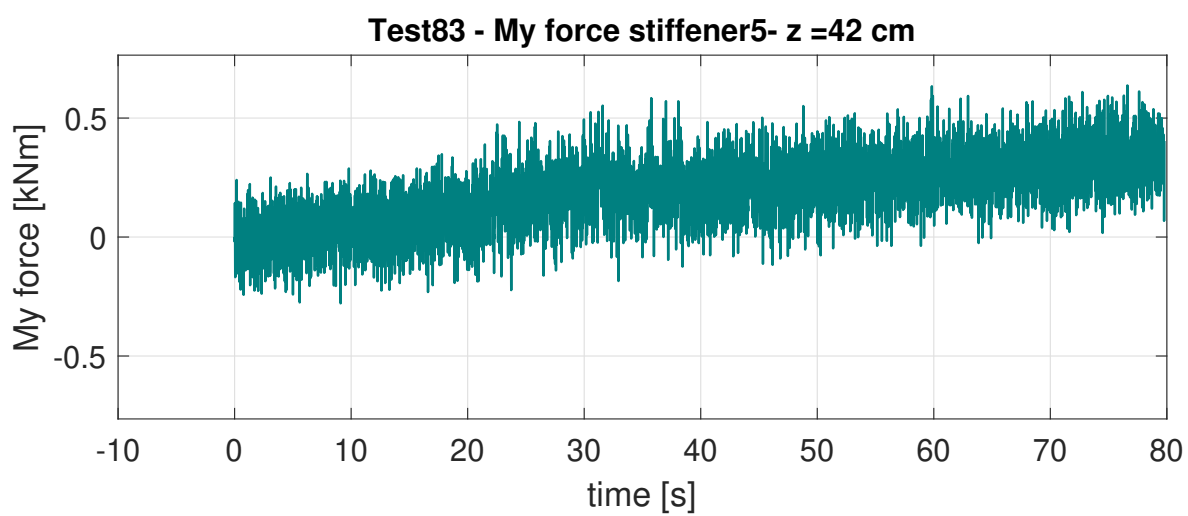
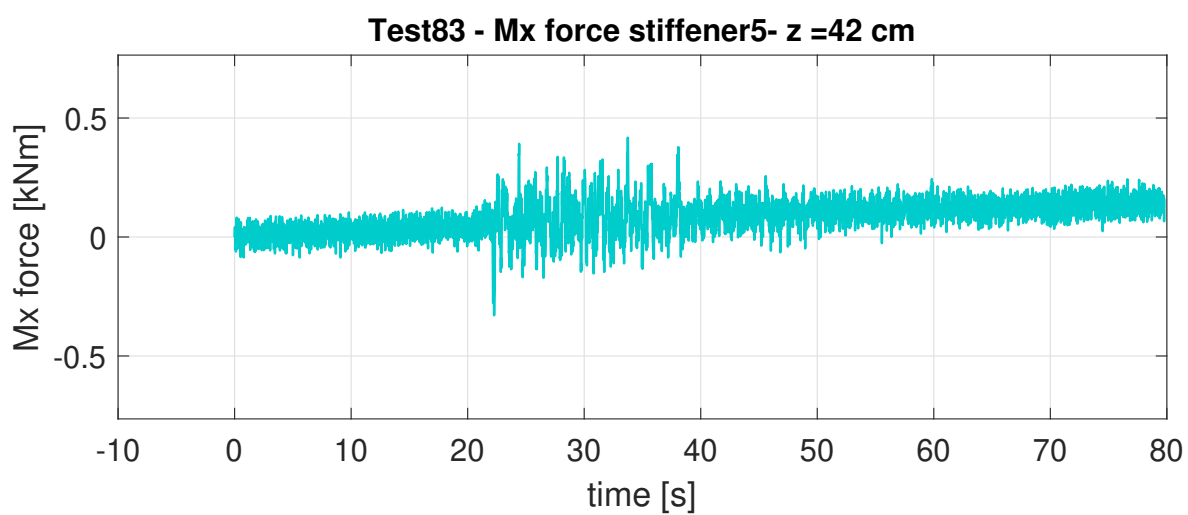
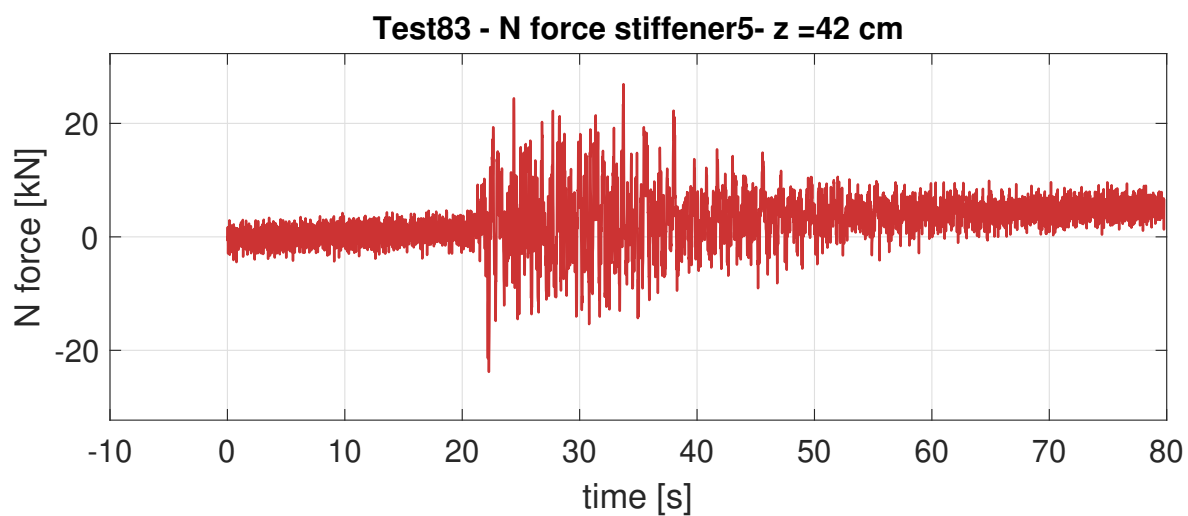
- Terremoto A1 0.5 g

Quota z = 42 cm

– Montante numero 4

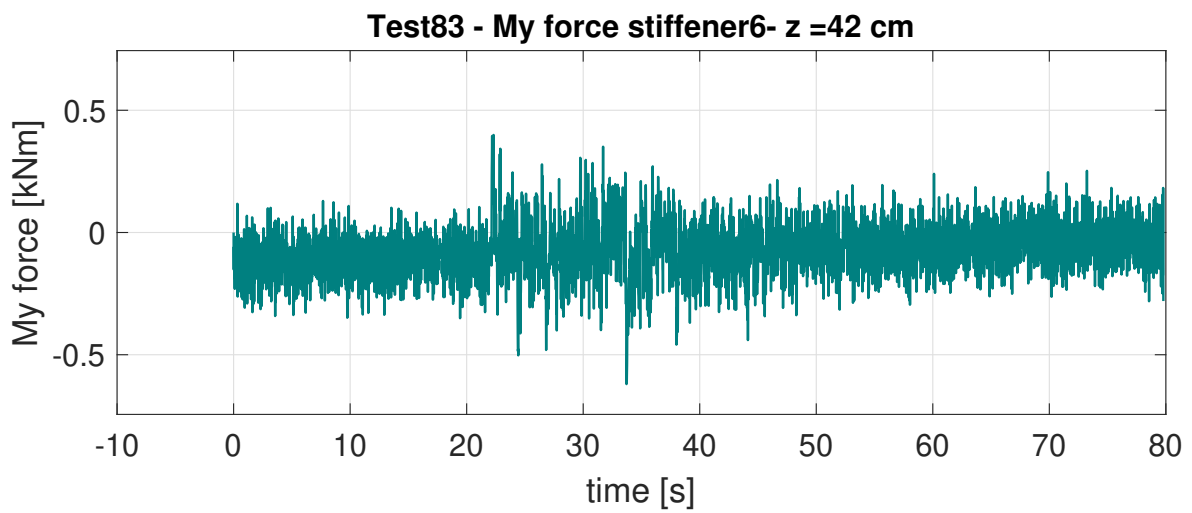
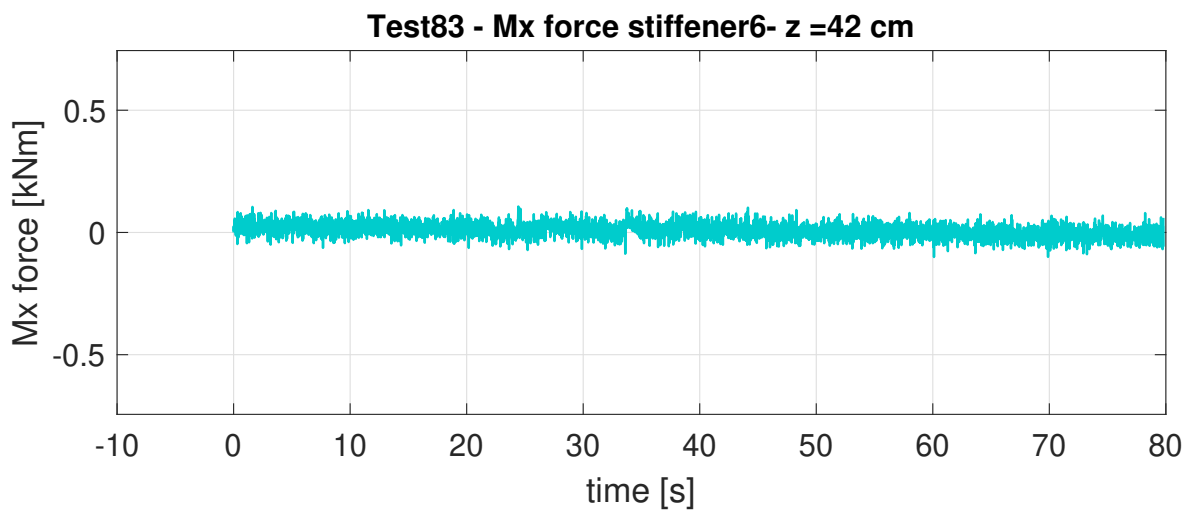
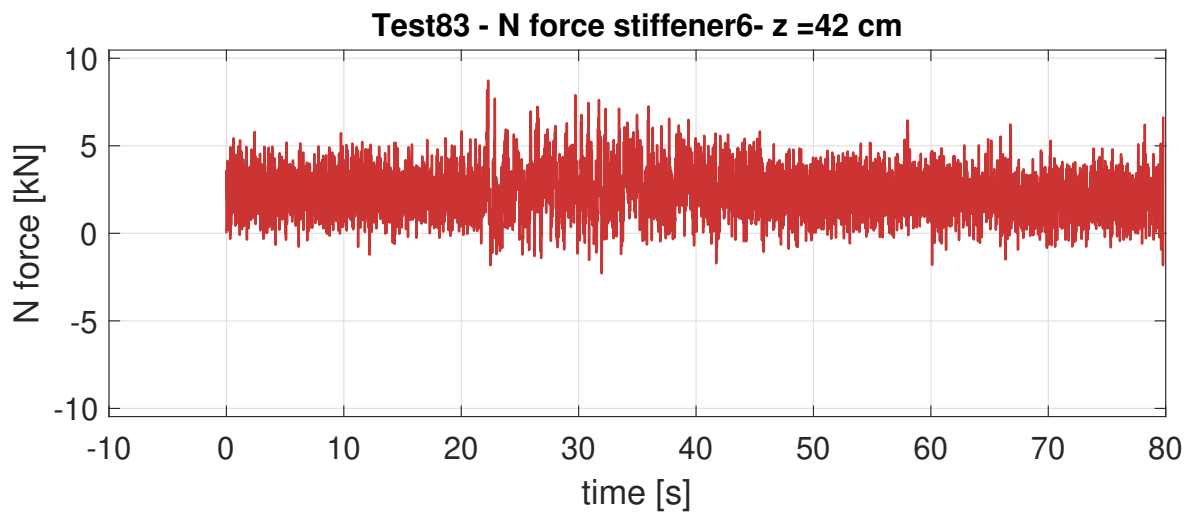


- Montante numero 5

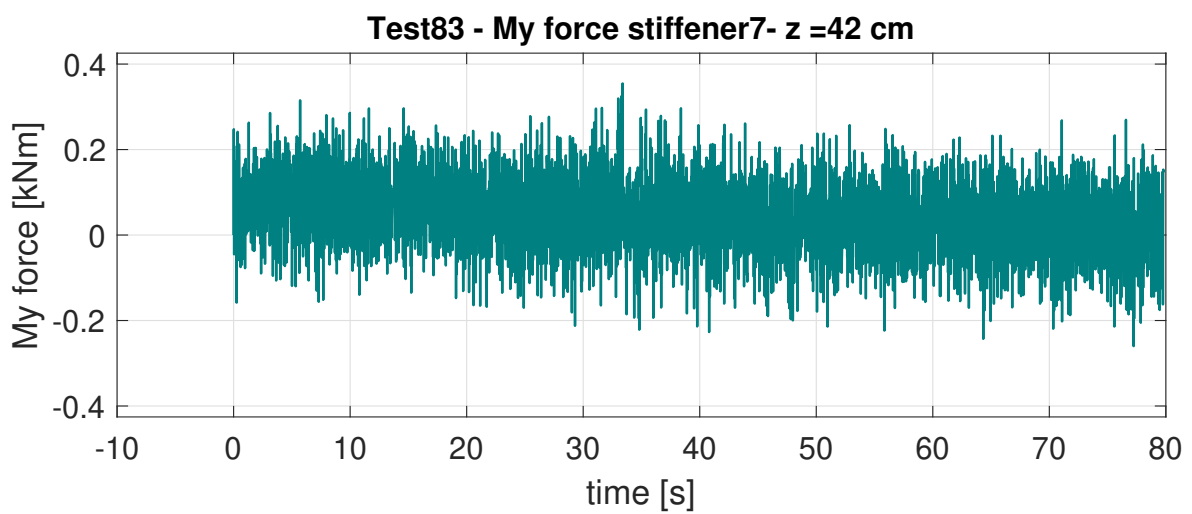
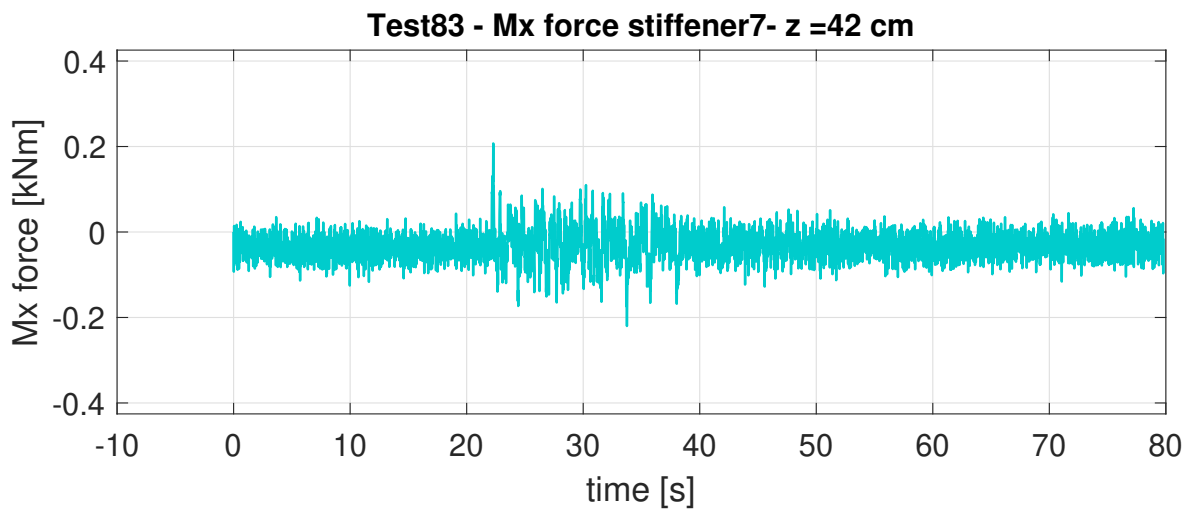
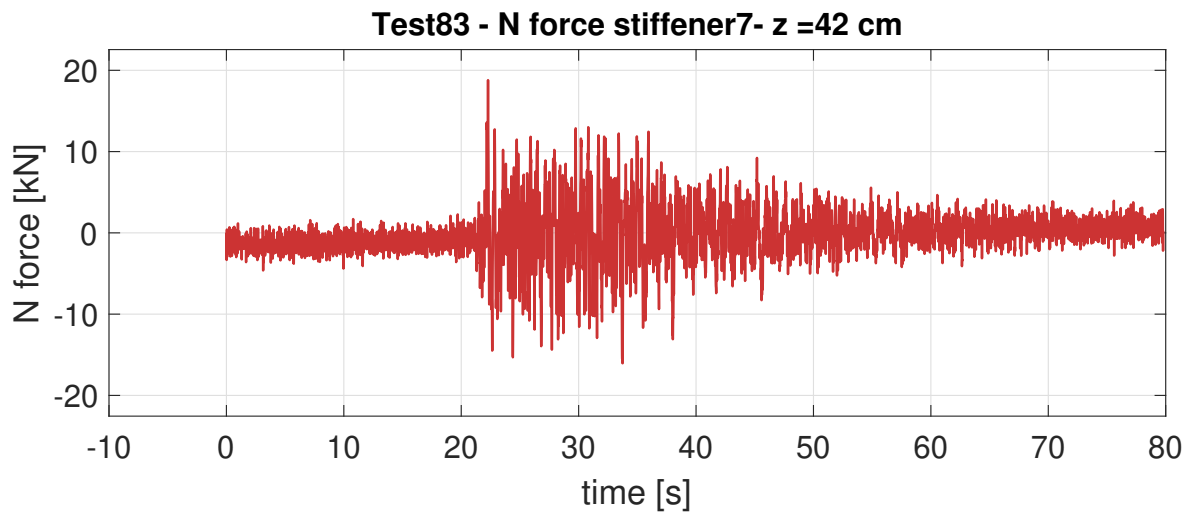




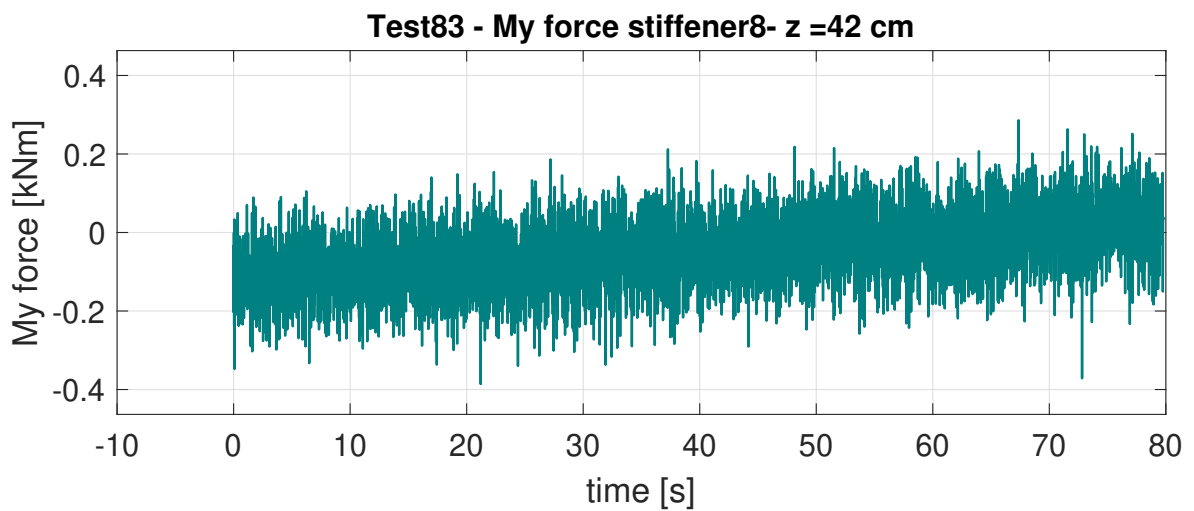
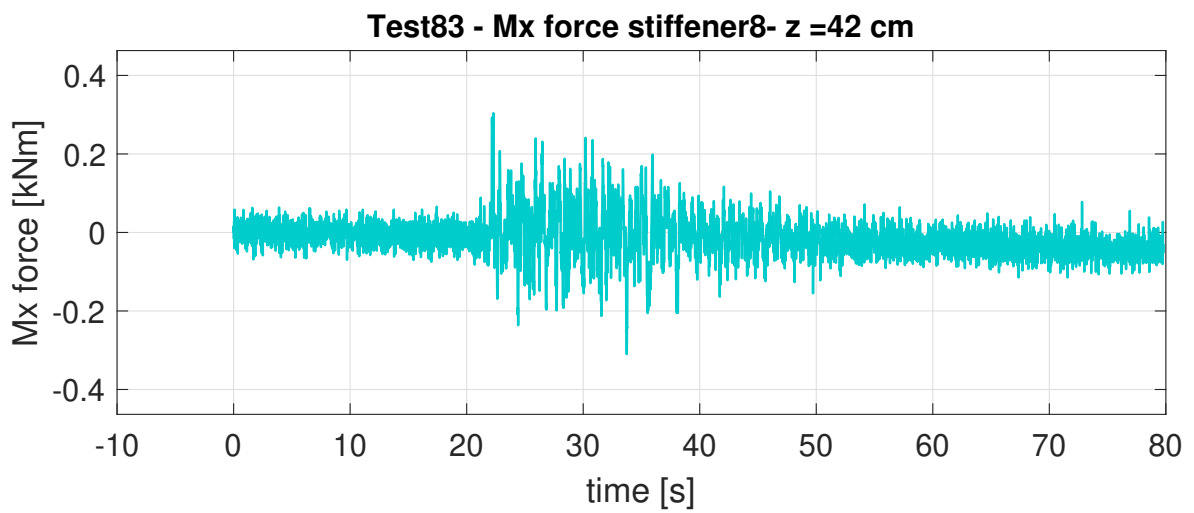
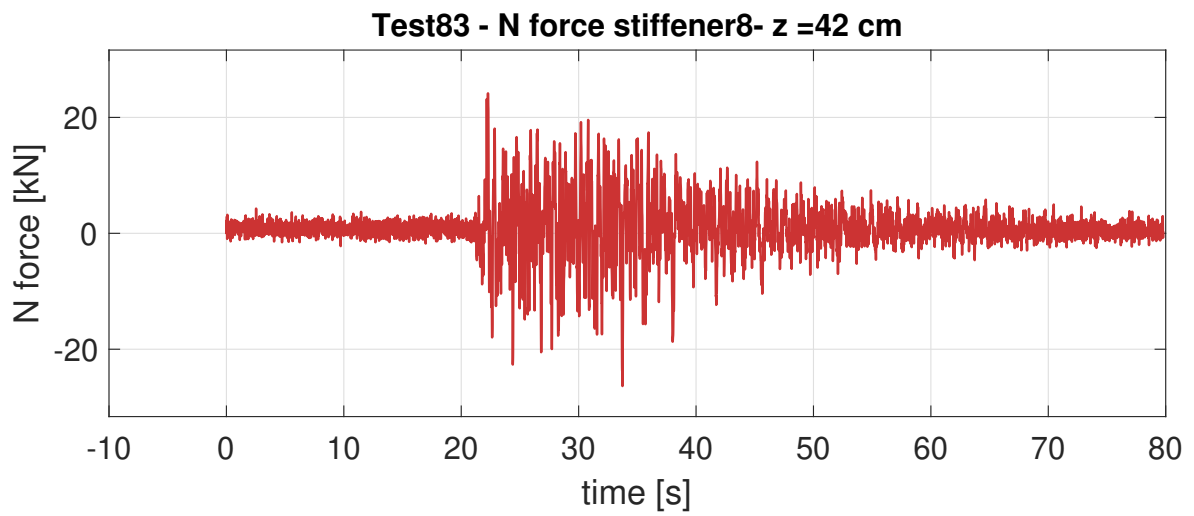
– Montante numero 6



- Montante numero 7

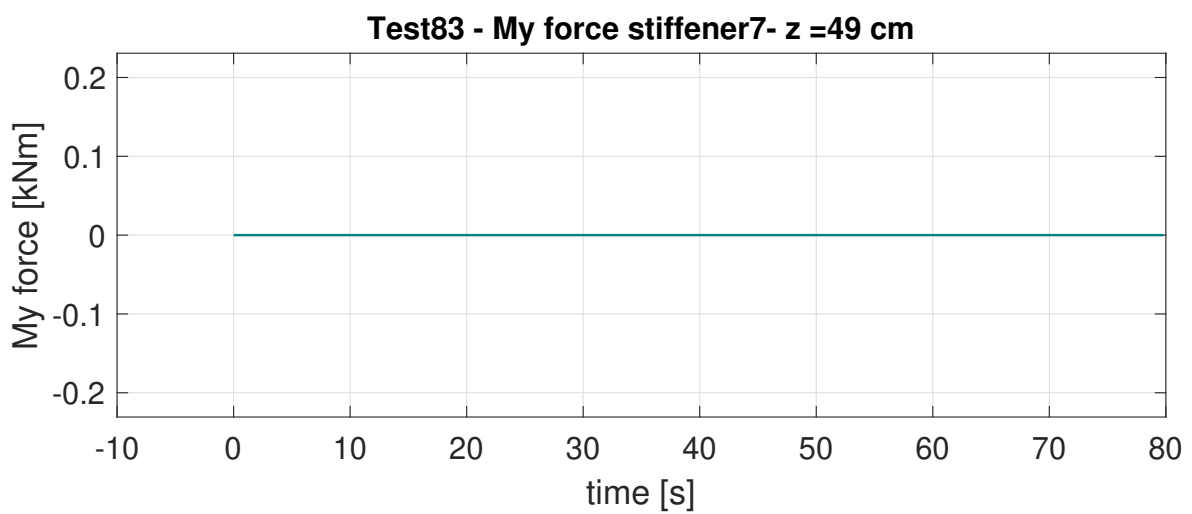
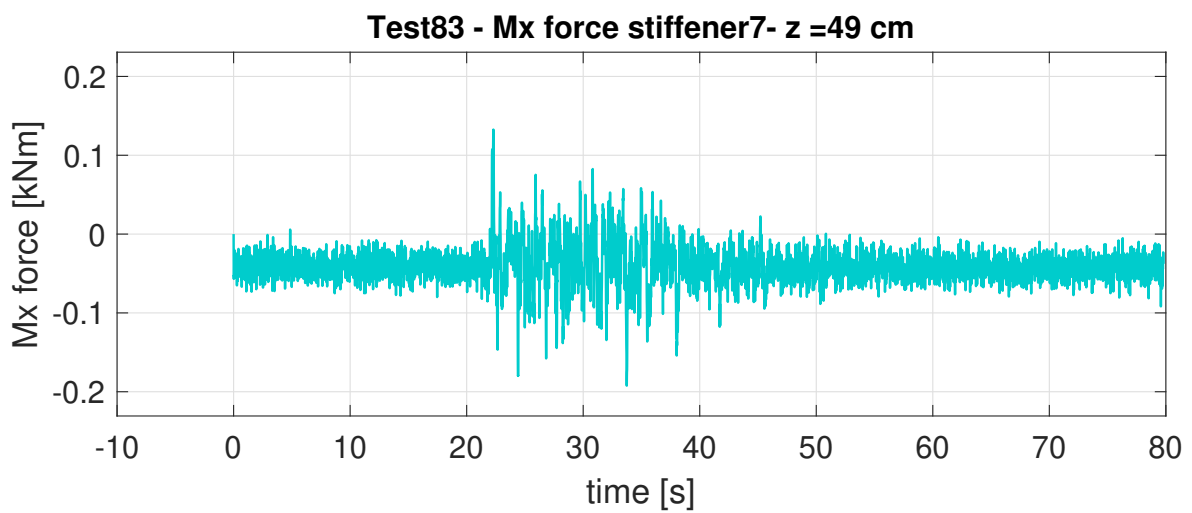
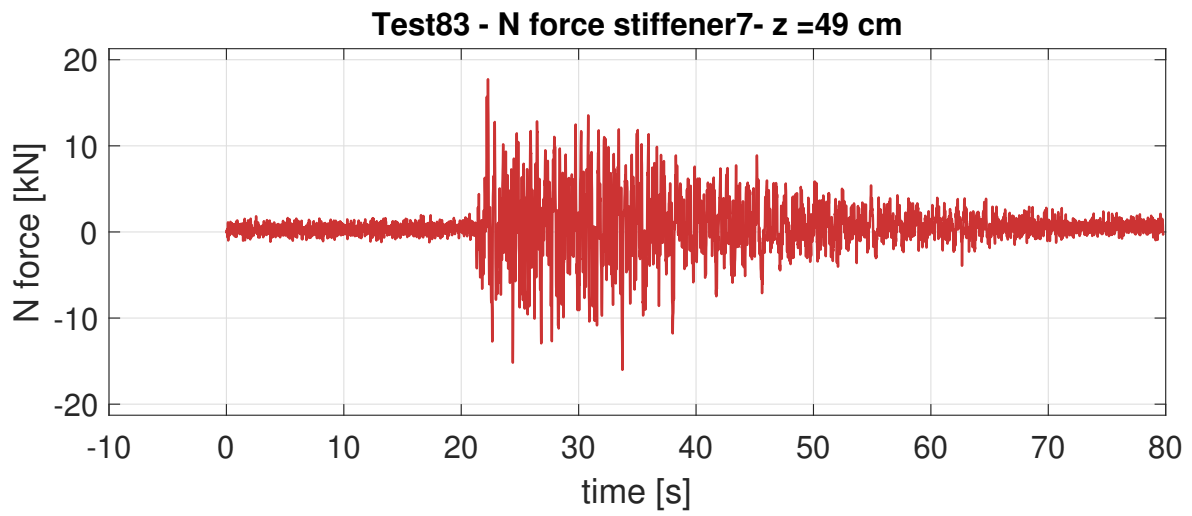


- Montante numero 8

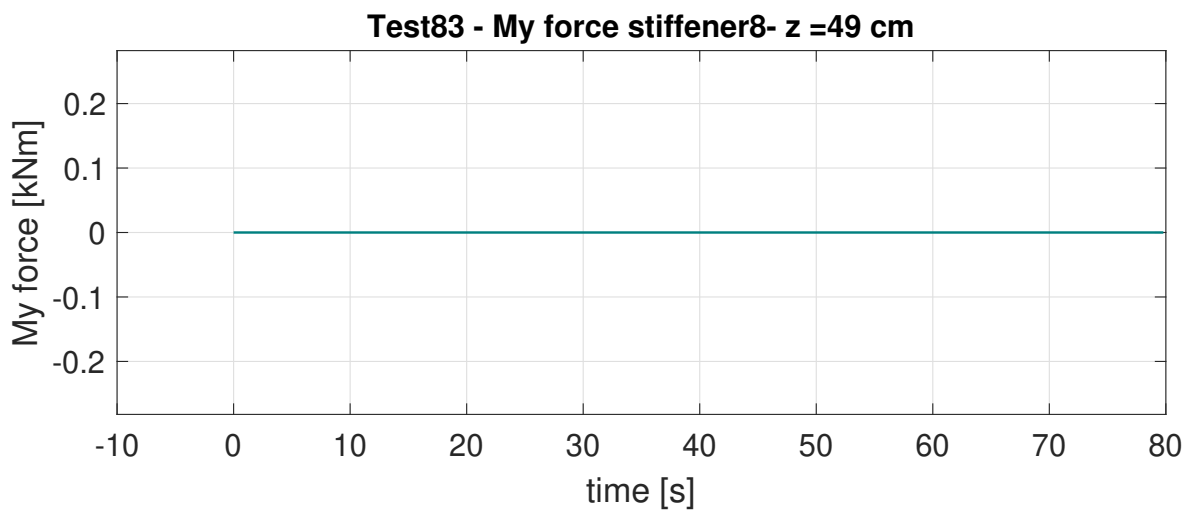
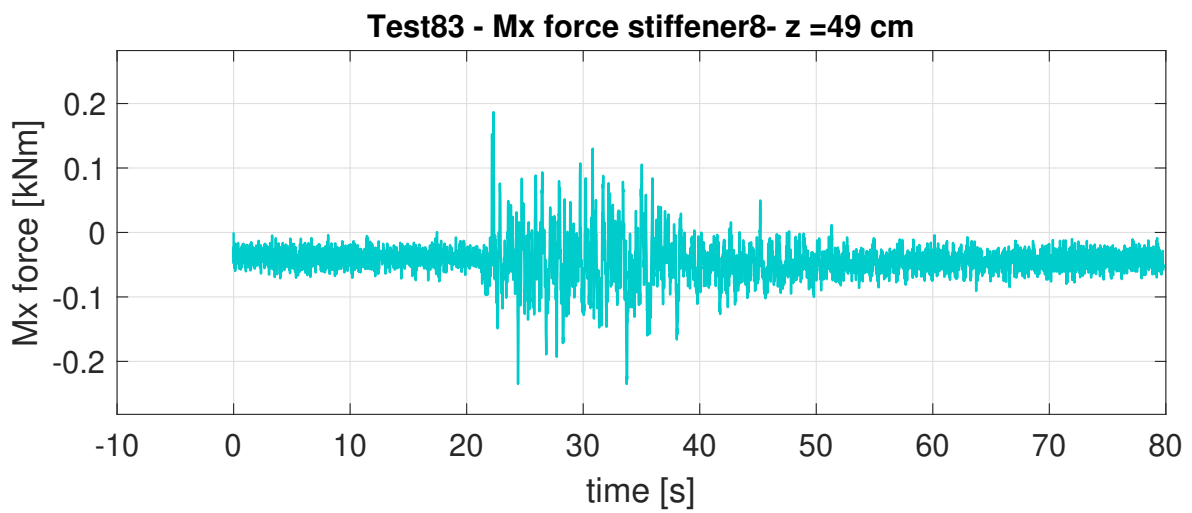
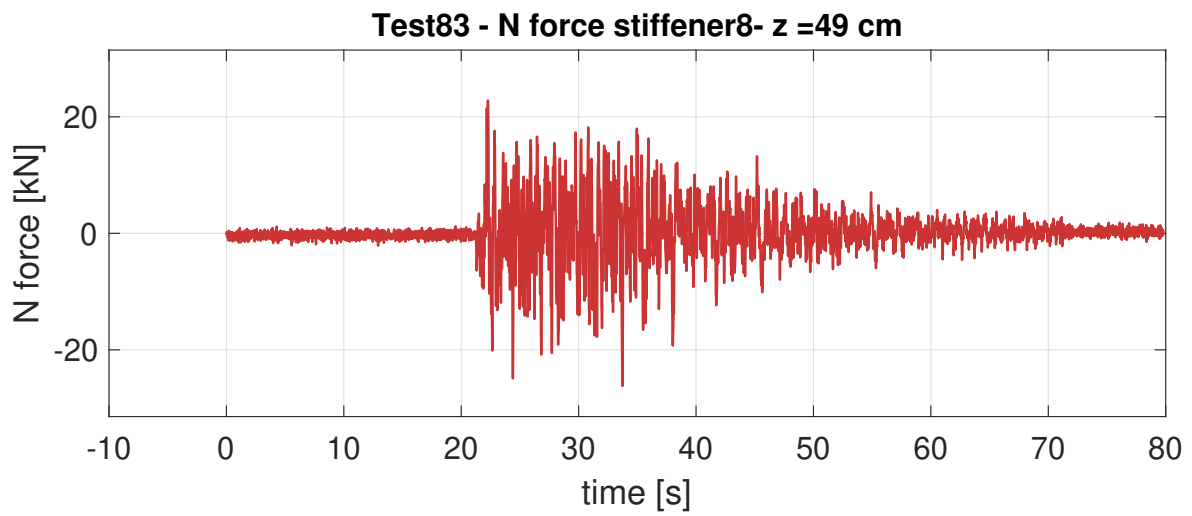


**Quota z = 49 cm**

– Montante numero 7

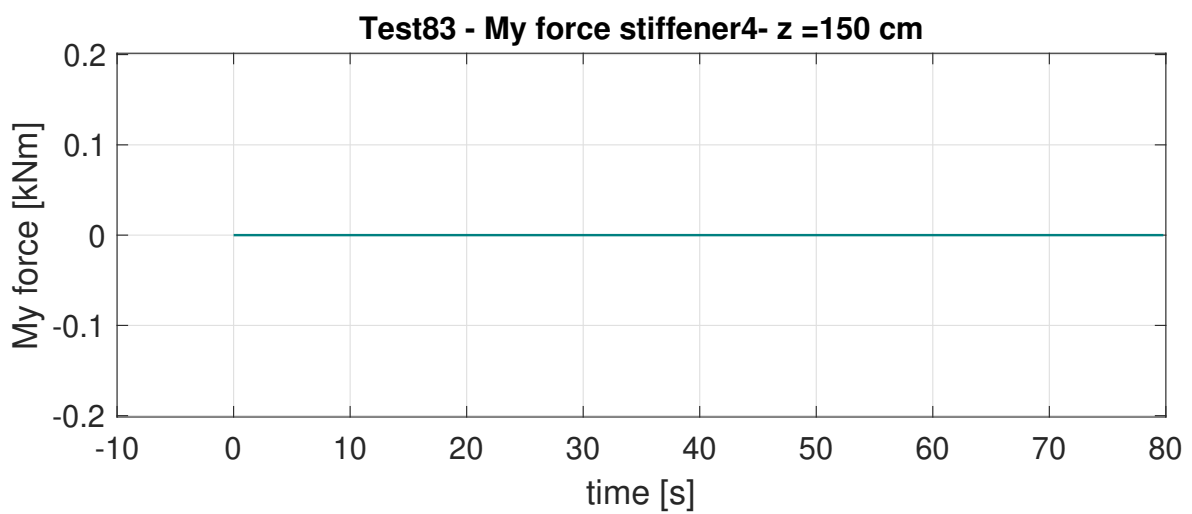
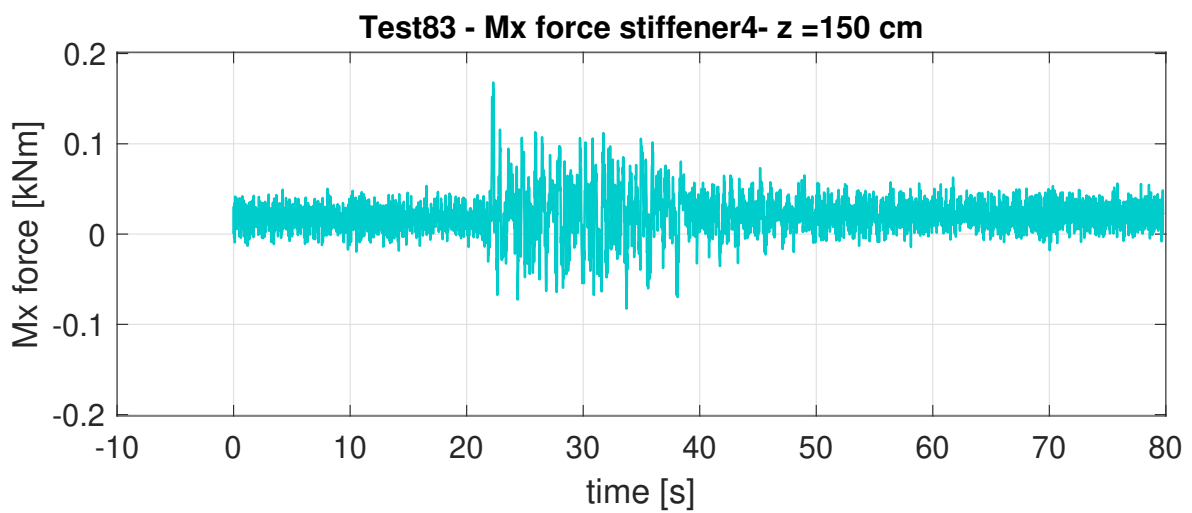
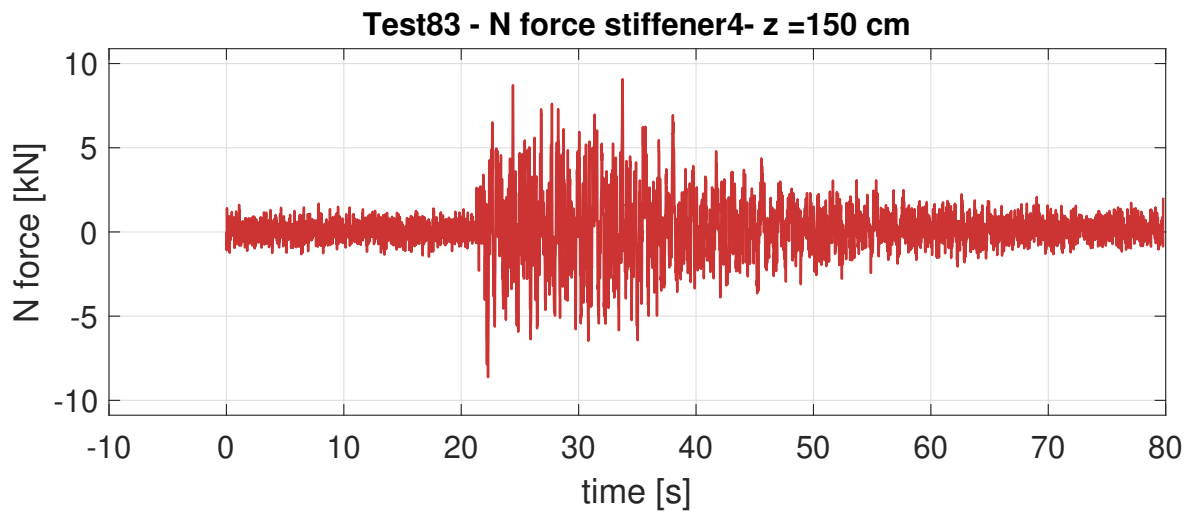


- Montante numero 8

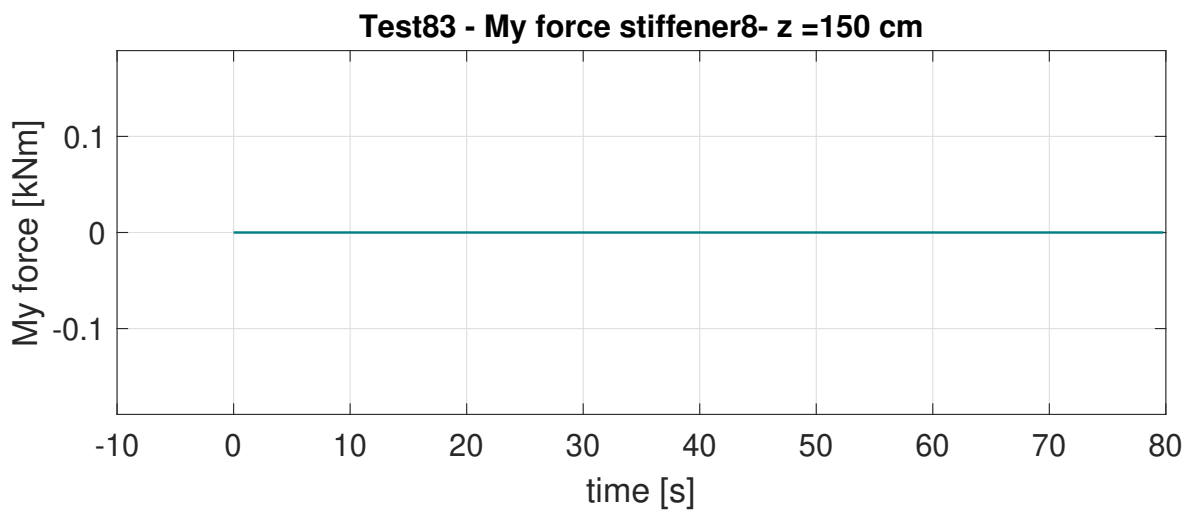
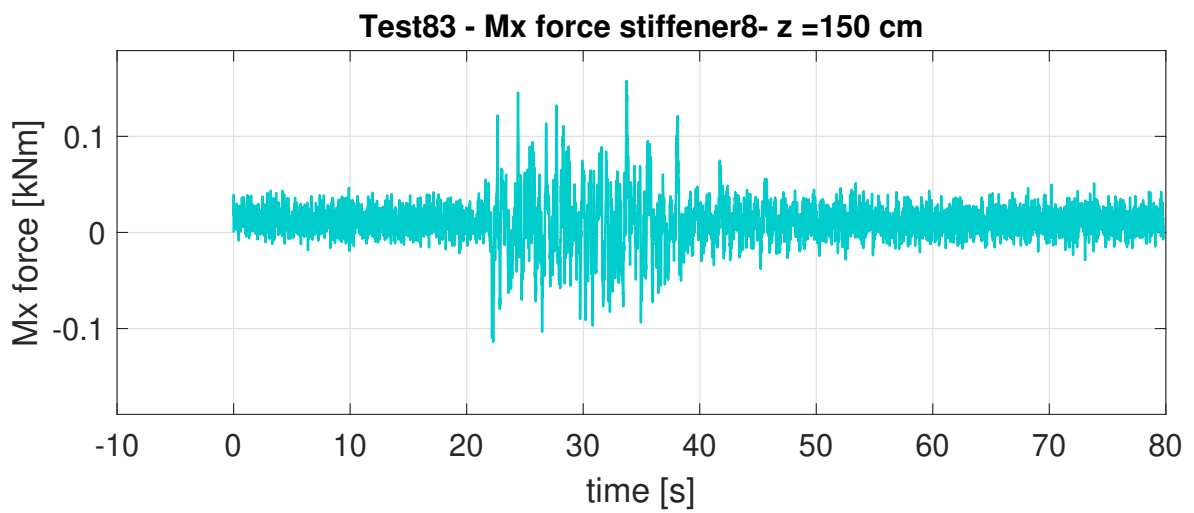
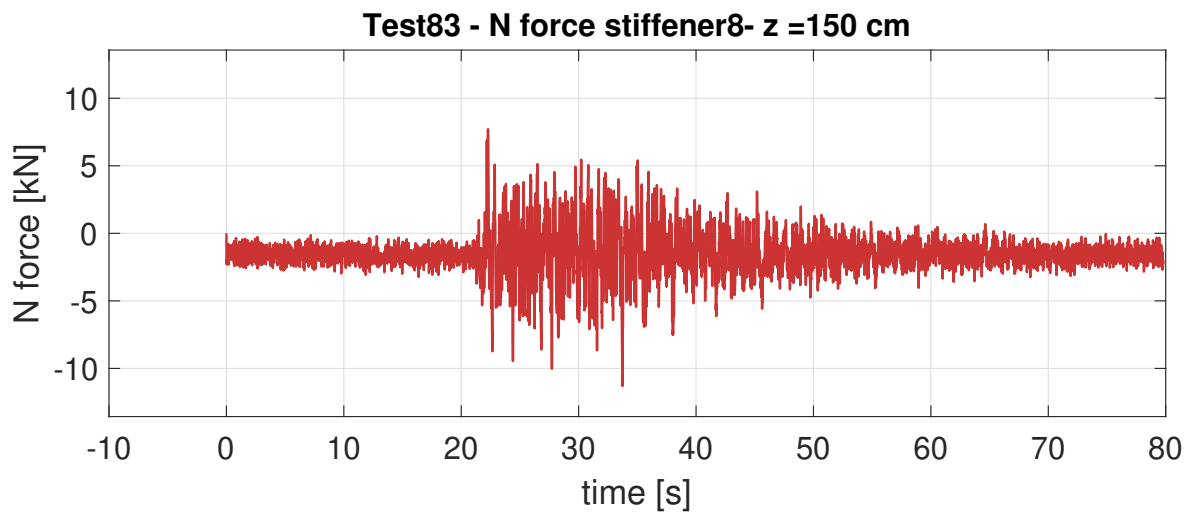


**Quota z = 150 cm**

– Montante numero 4

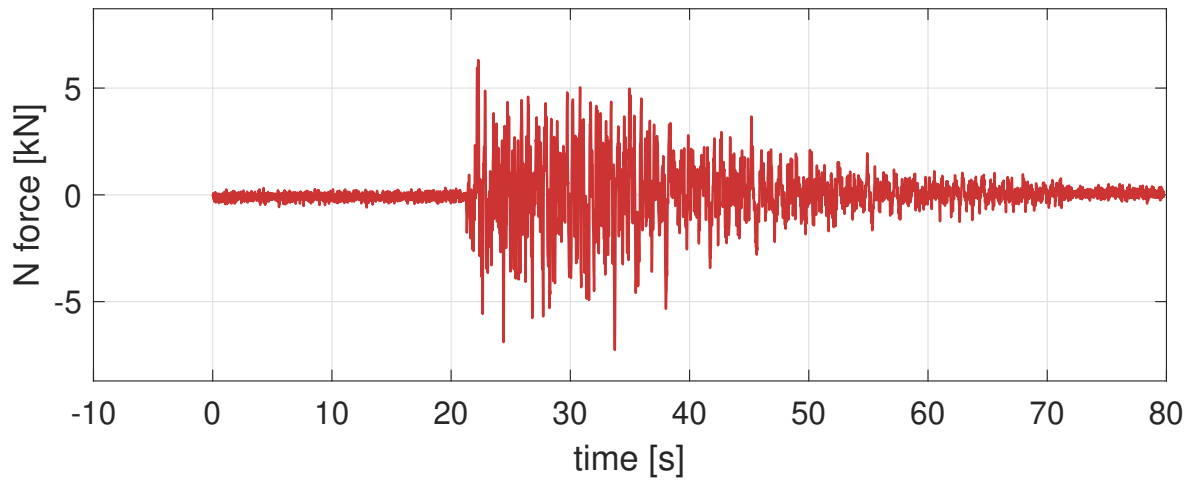
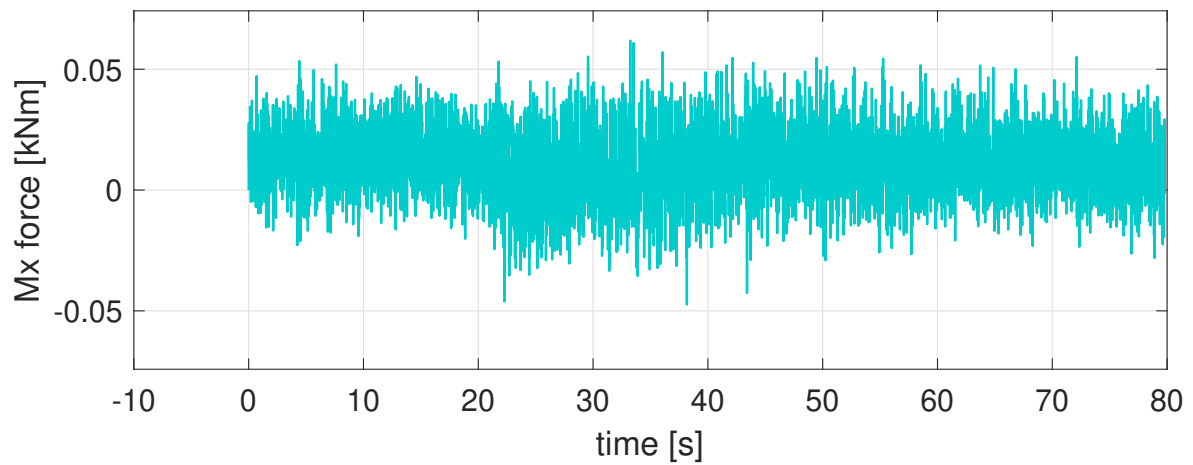
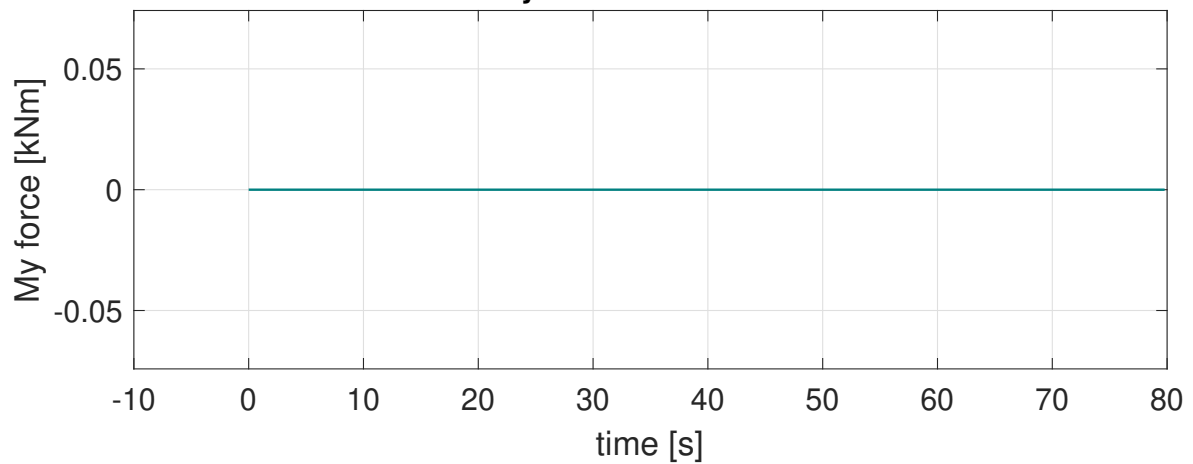


- Montante numero 8



**Quota z = 250 cm**

– Montante numero 8

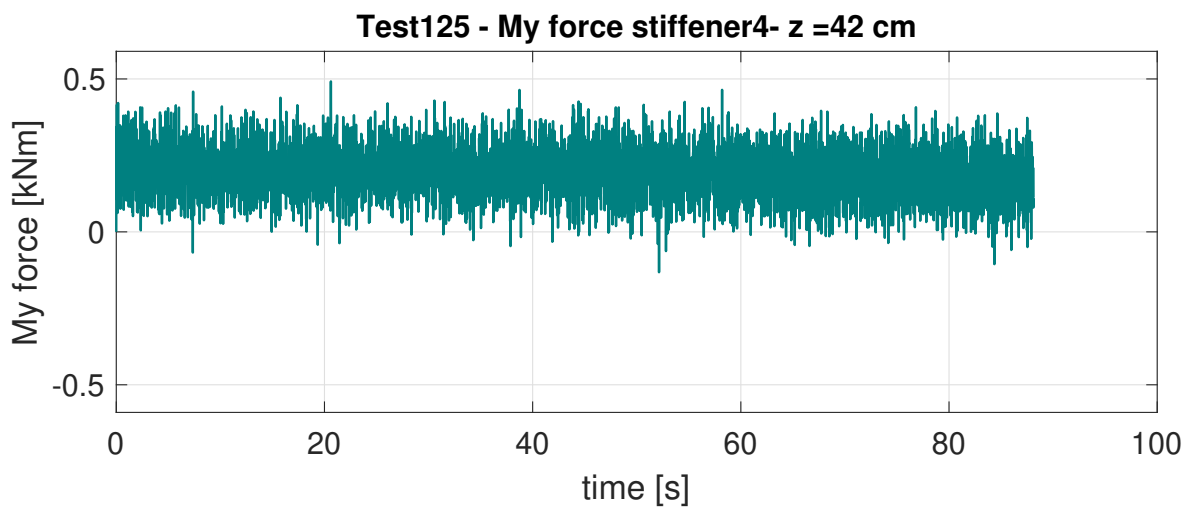
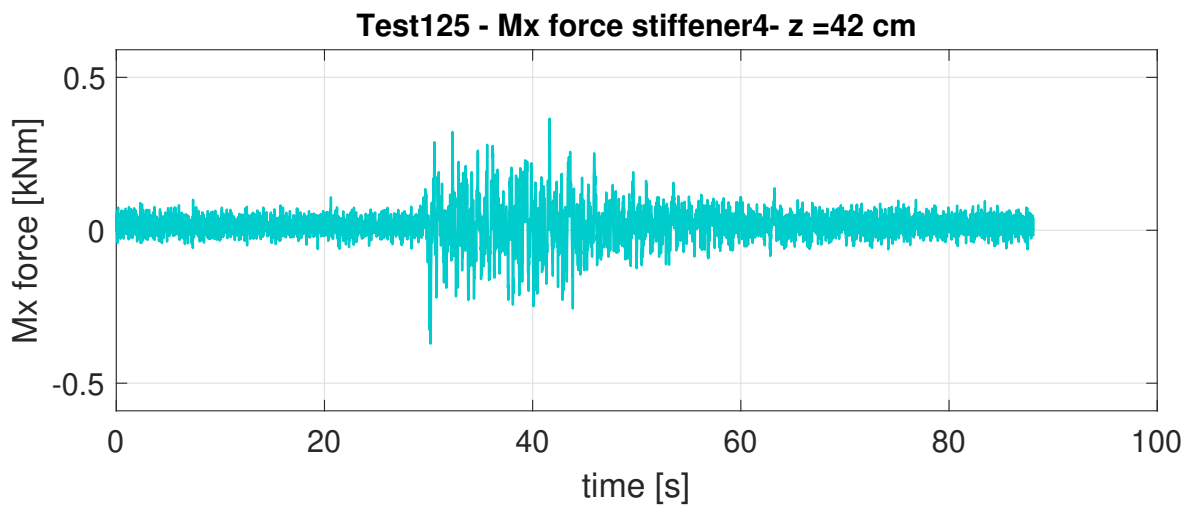
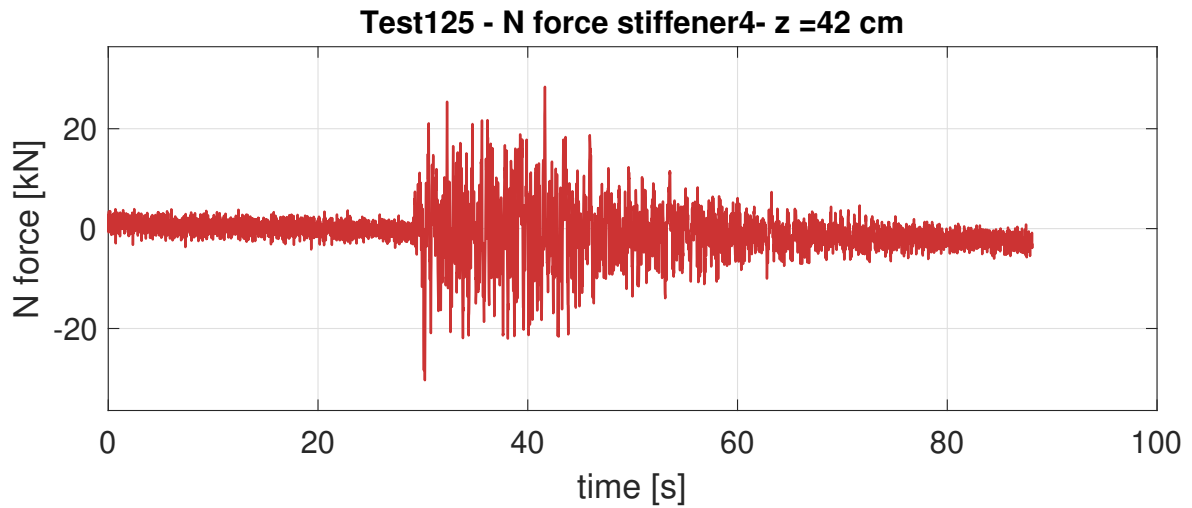
**Test83 - N force stiffener8- z =250 cm****Test83 - Mx force stiffener8- z =250 cm****Test83 - My force stiffener8- z =250 cm**



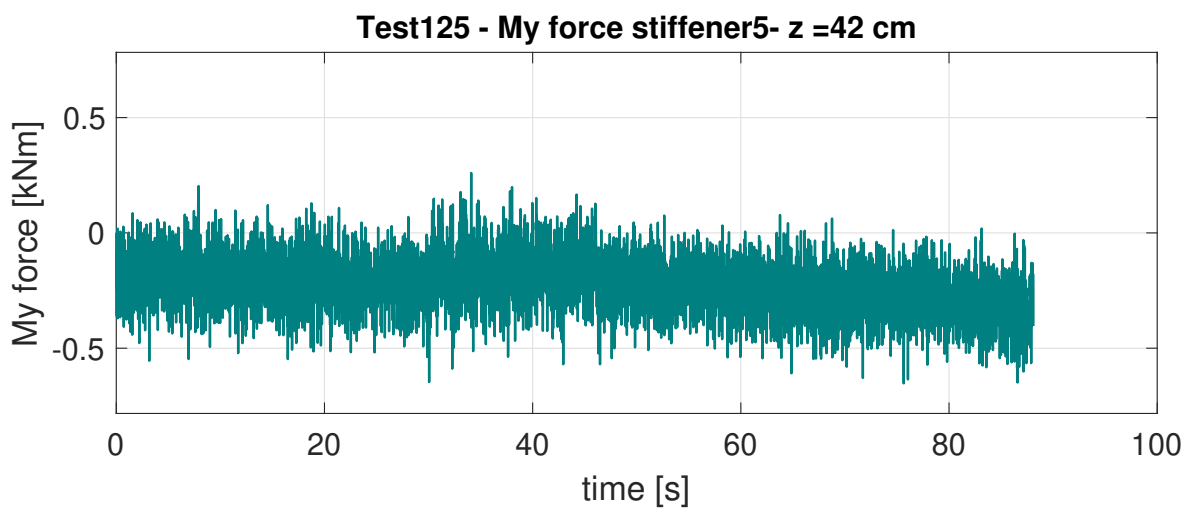
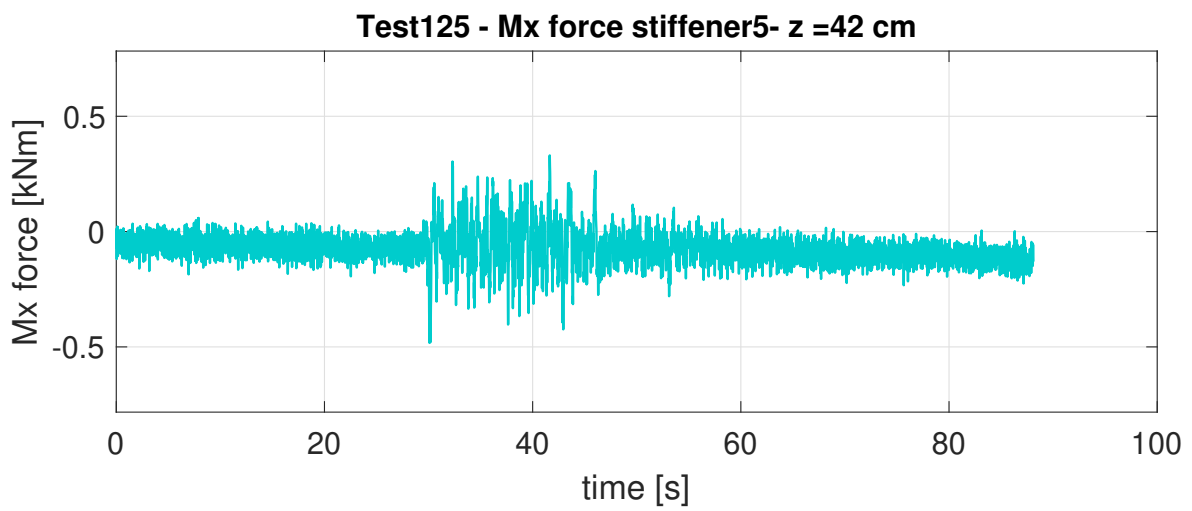
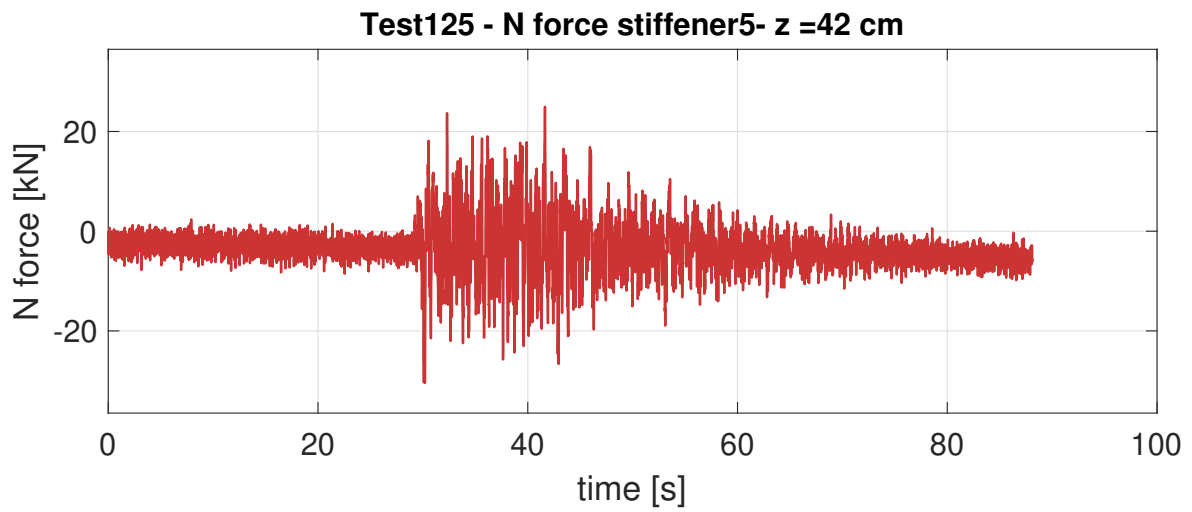
- Terremoto A1 0.6 g

Quota z = 42 cm

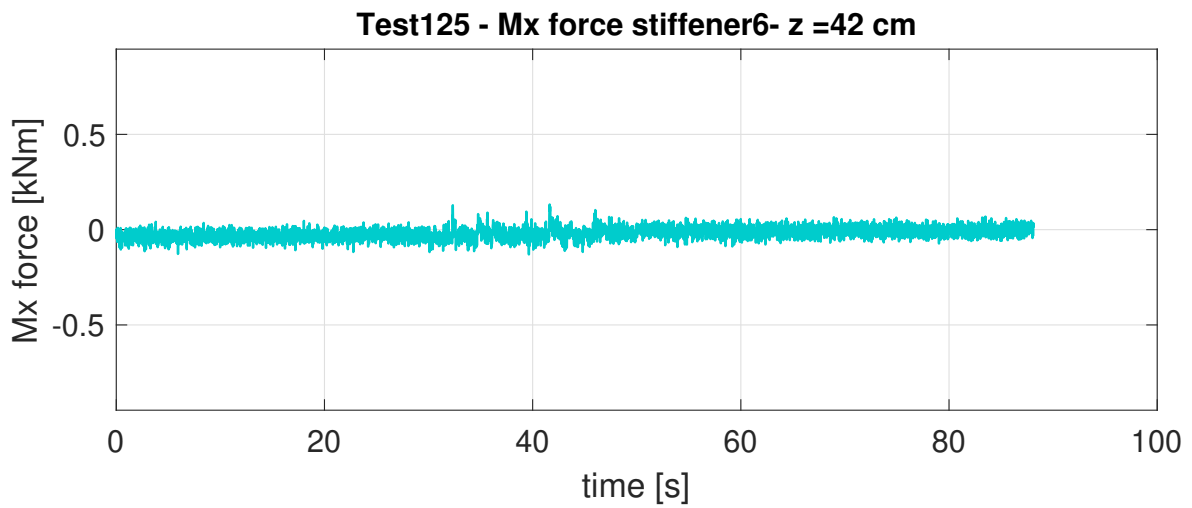
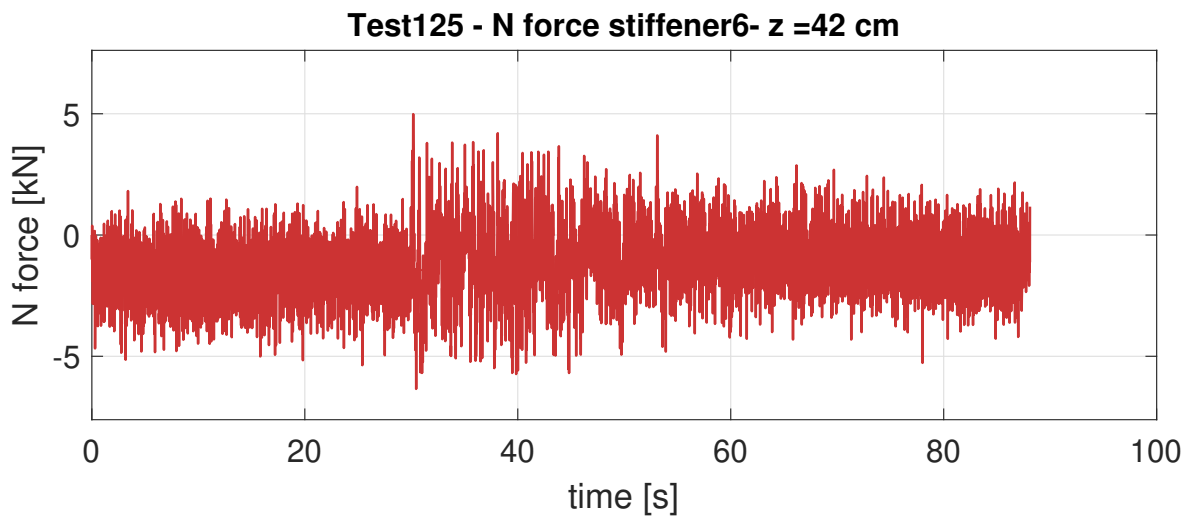
– Montante numero 4



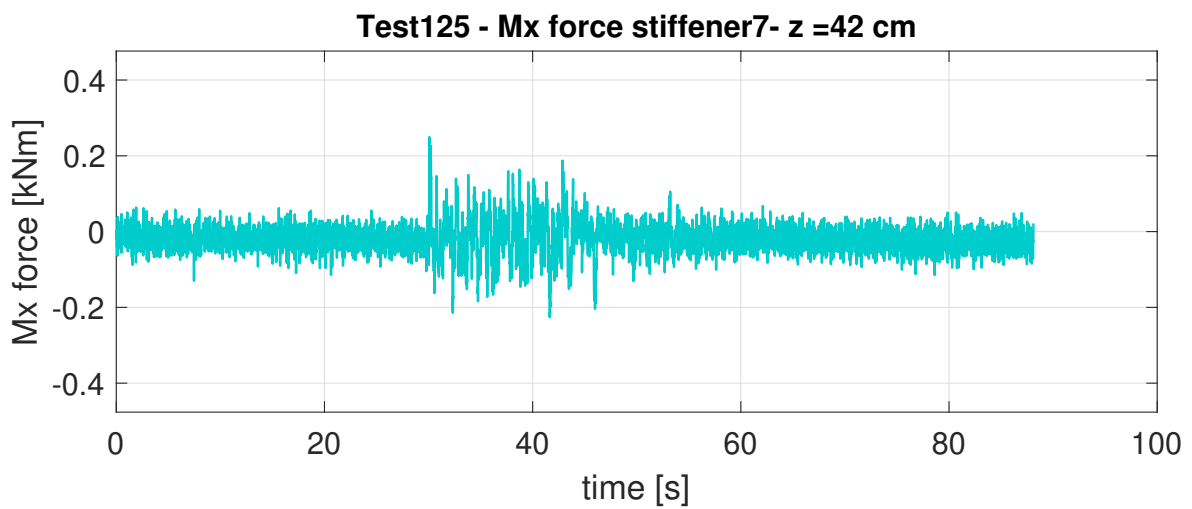
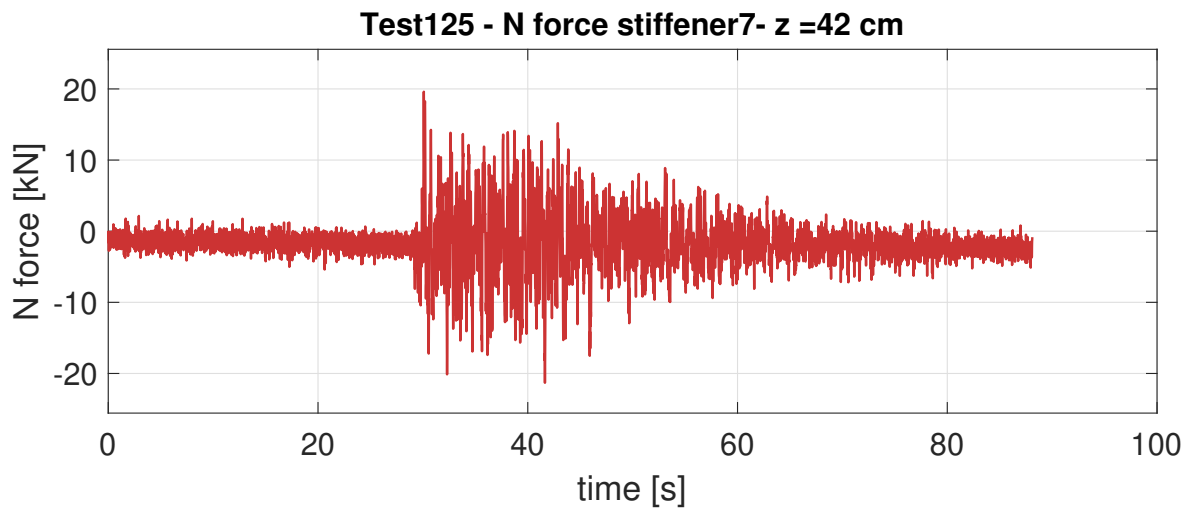
- Montante numero 5



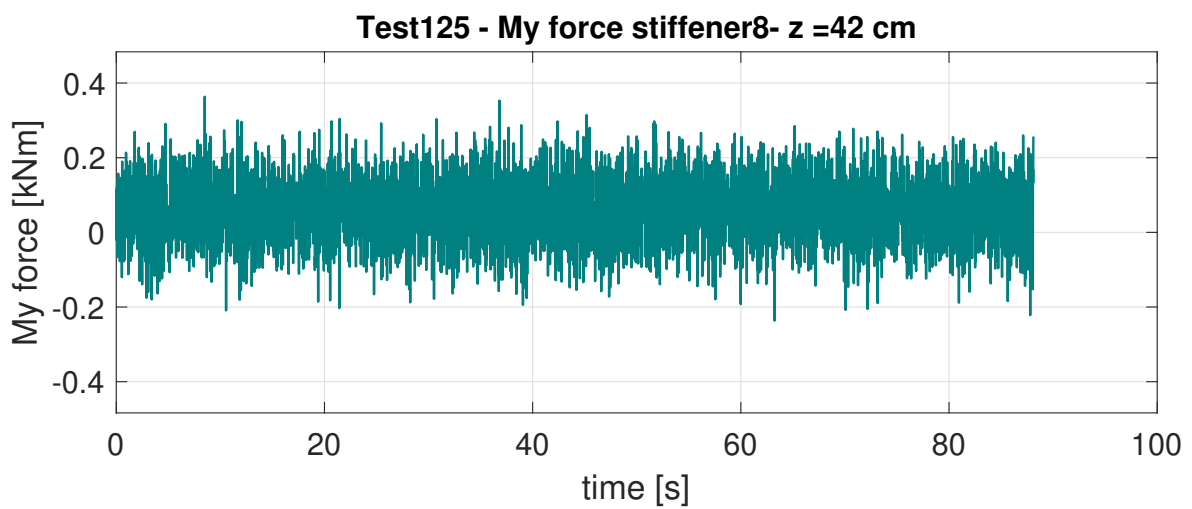
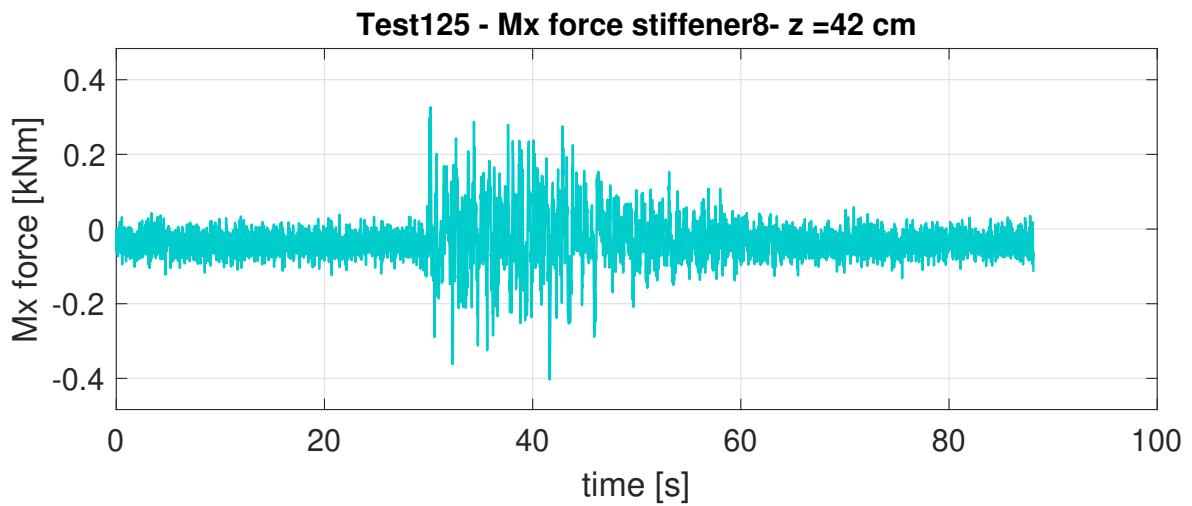
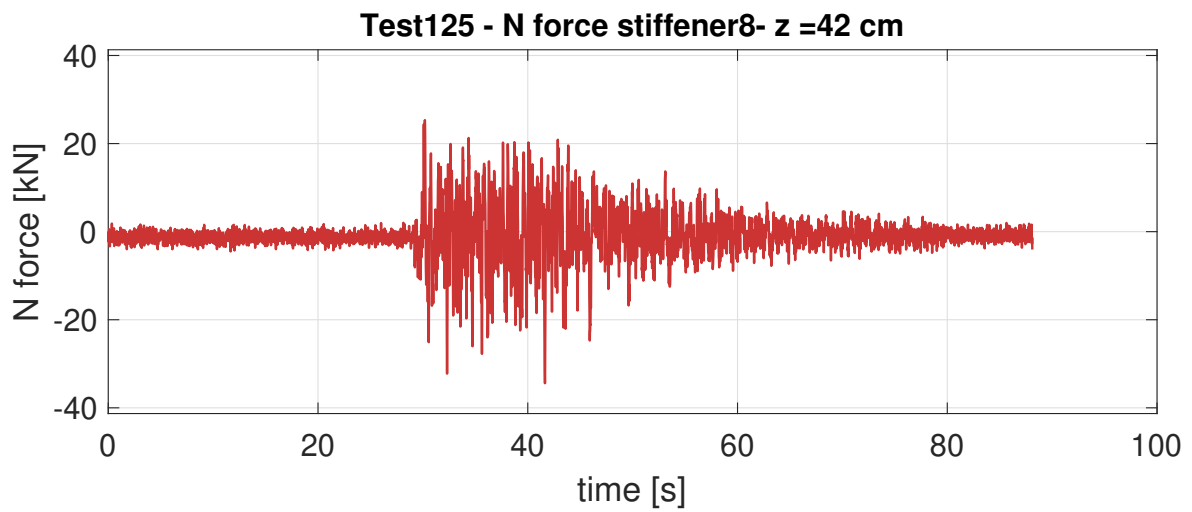
– Montante numero 6



- Montante numero 7

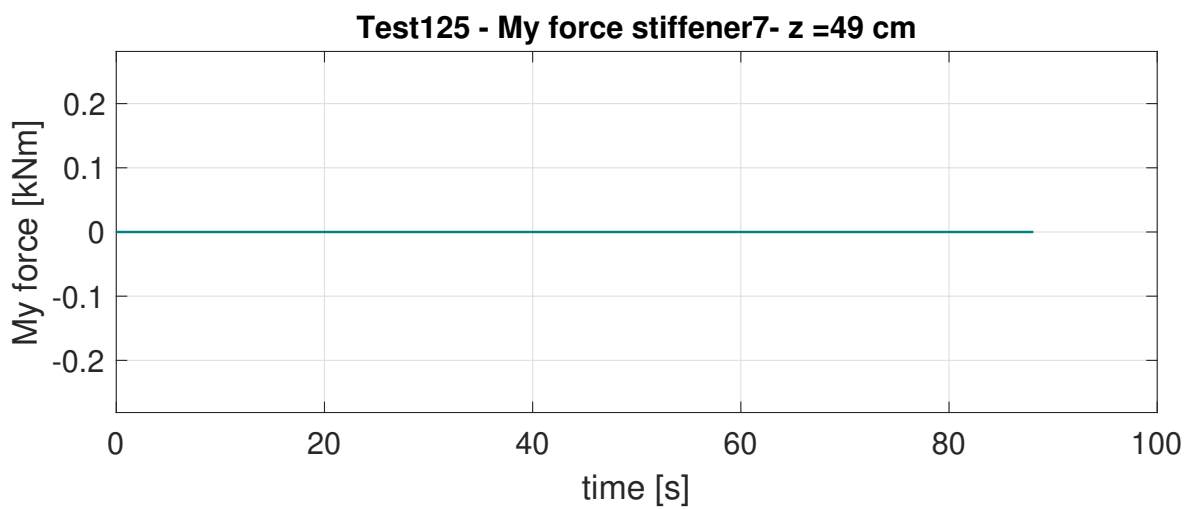
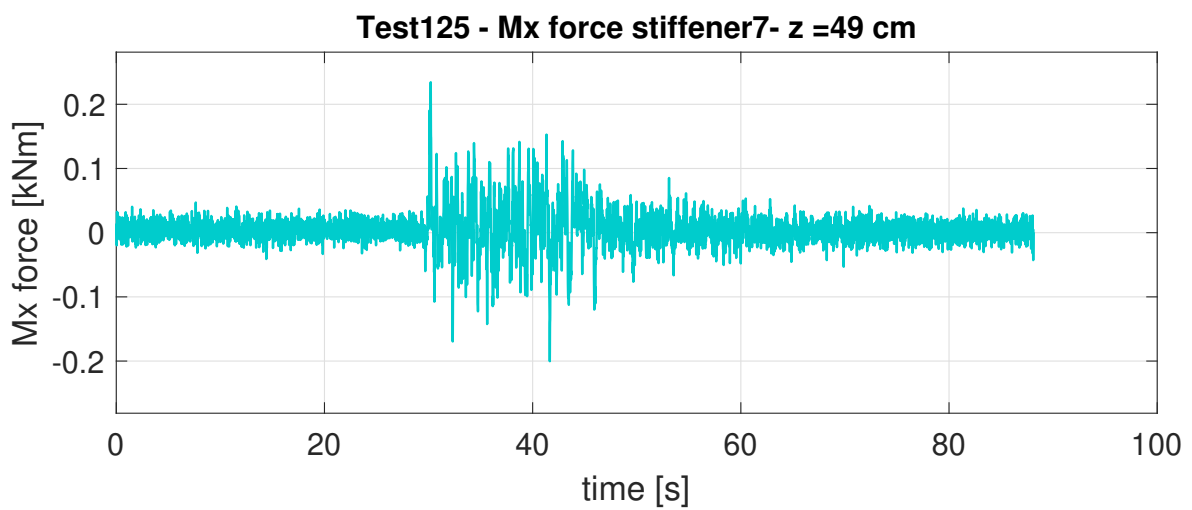
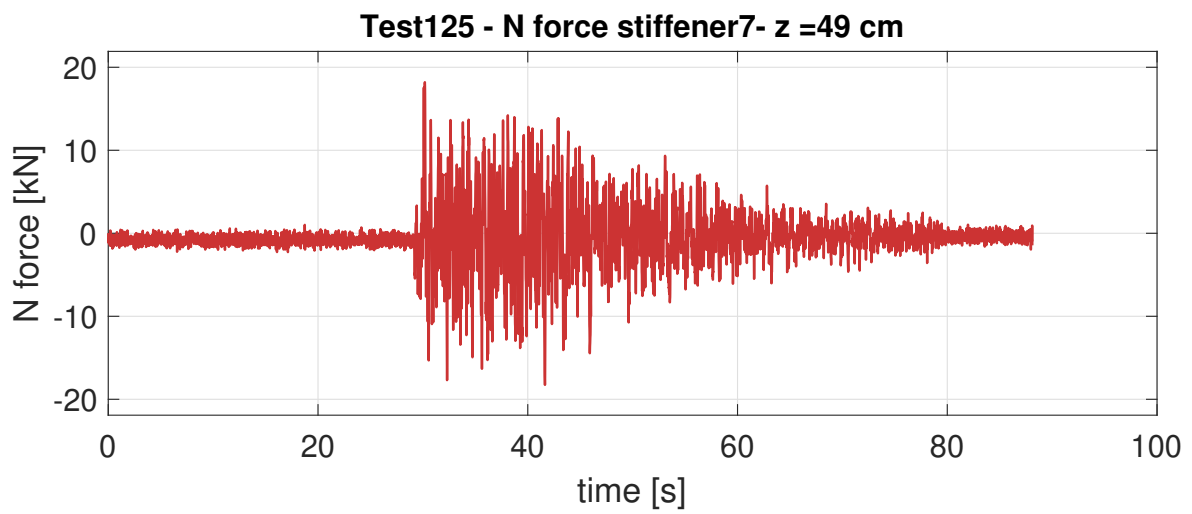


– Montante numero 8

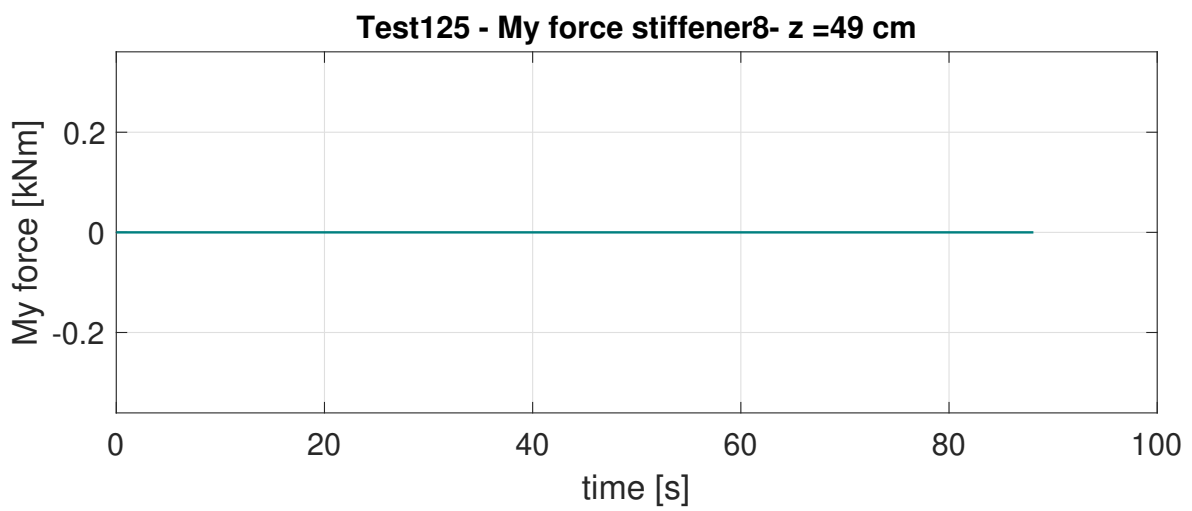
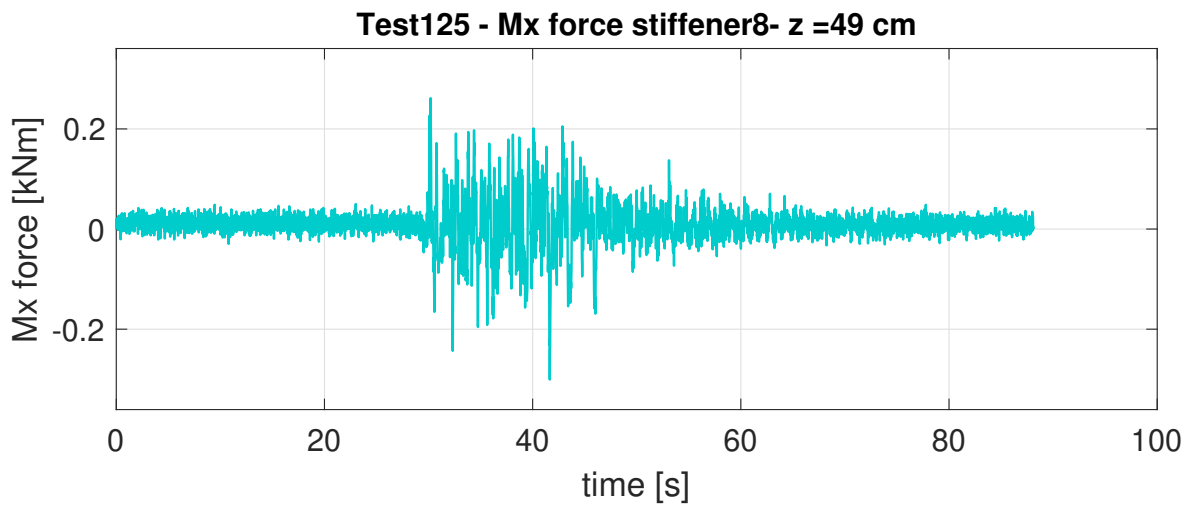
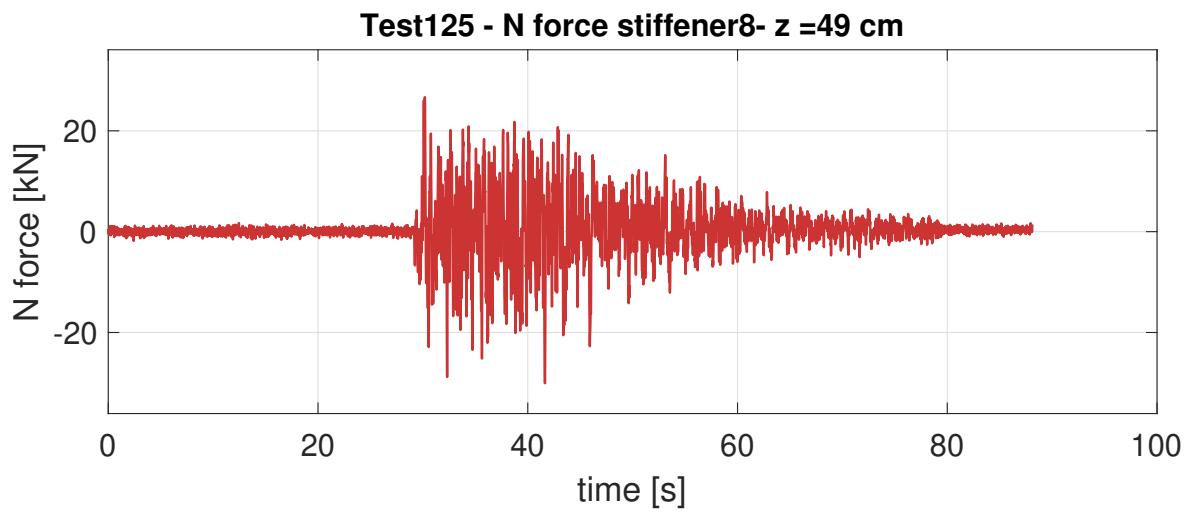


**Quota z = 49 cm**

– Montante numero 7

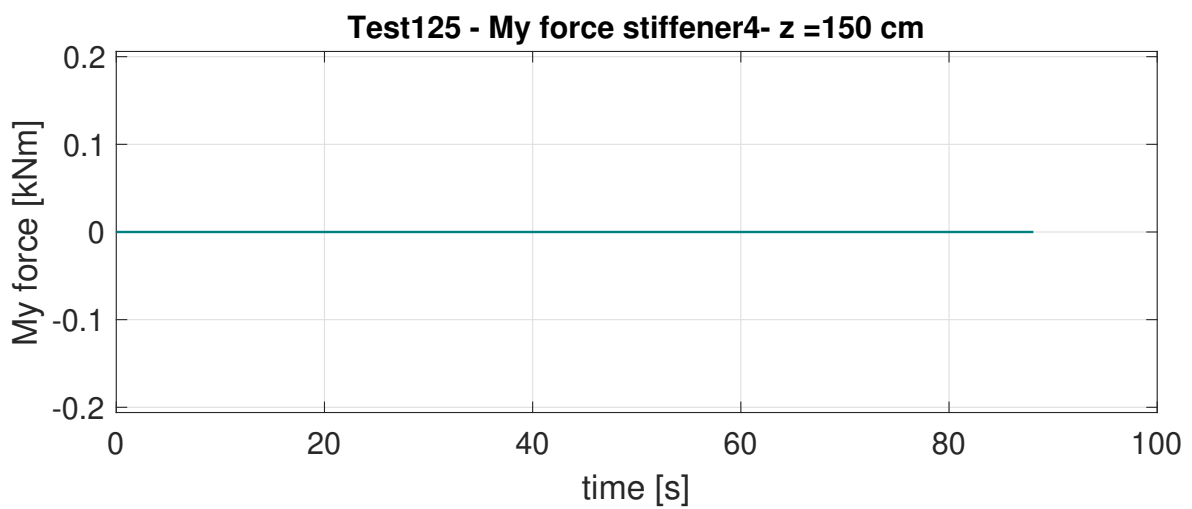
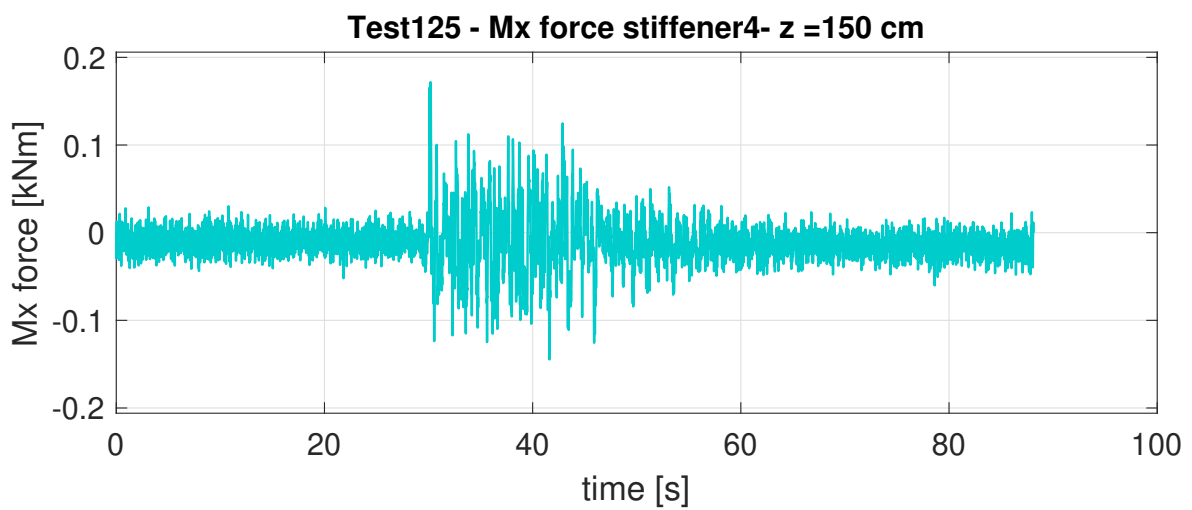
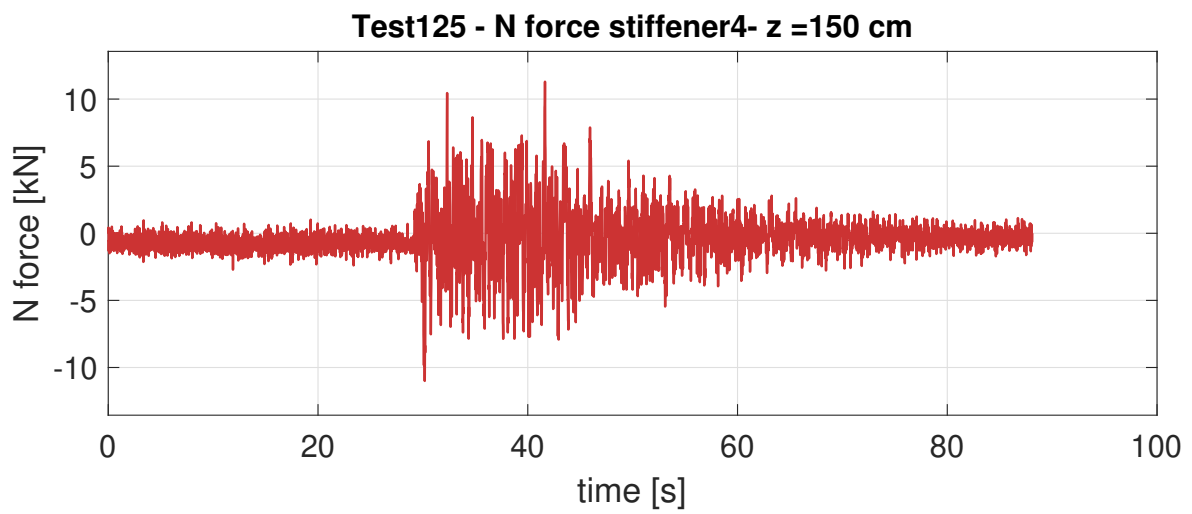


- Montante numero 8



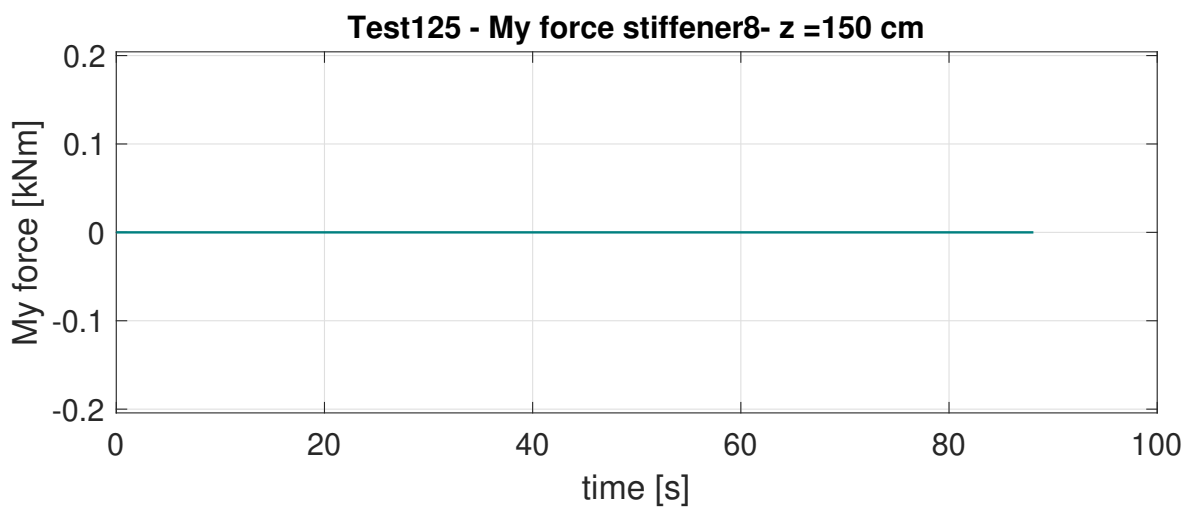
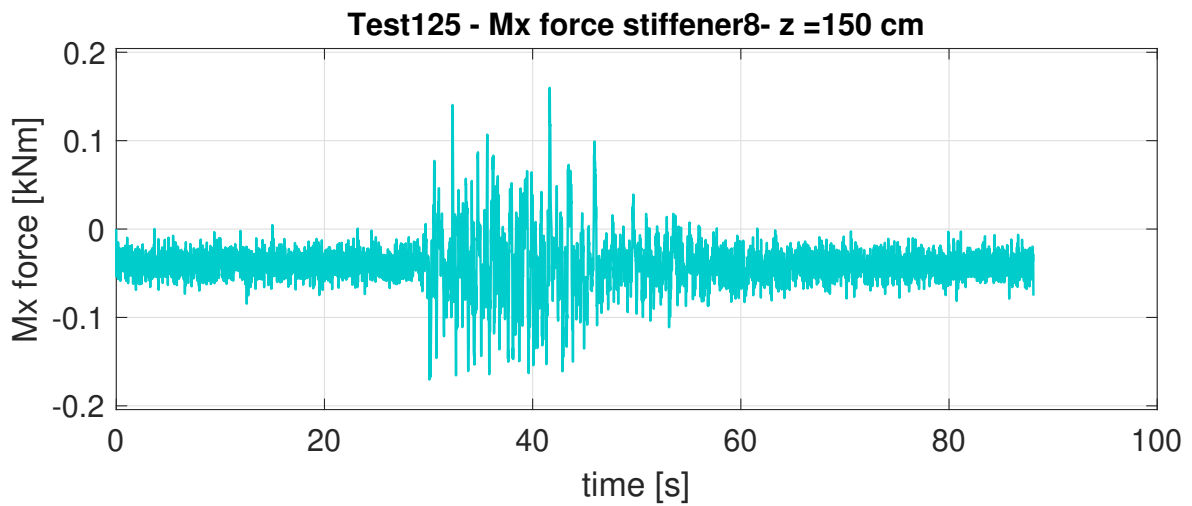
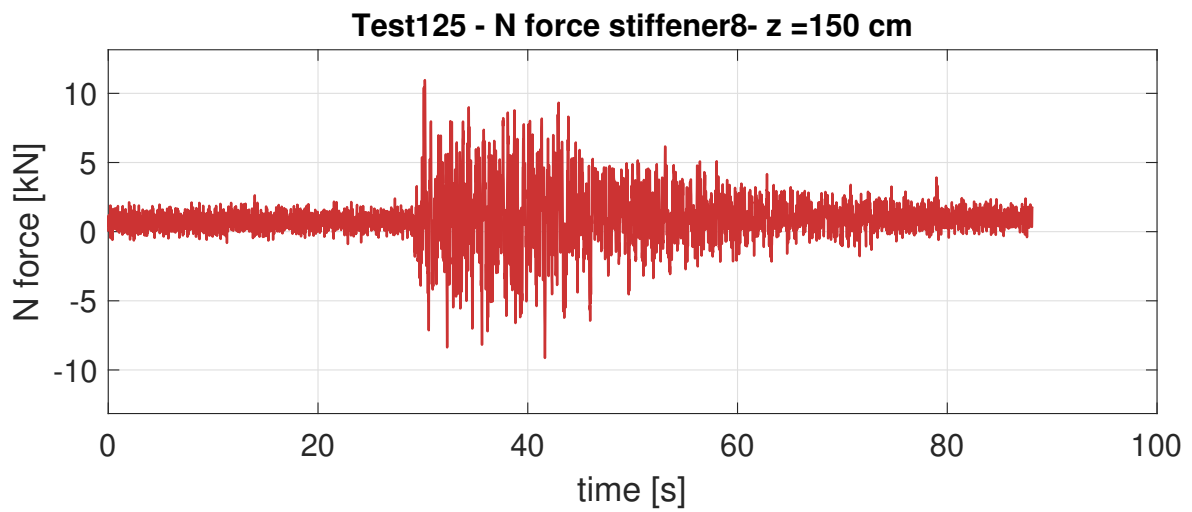
**Quota z = 150 cm**

– Montante numero 4



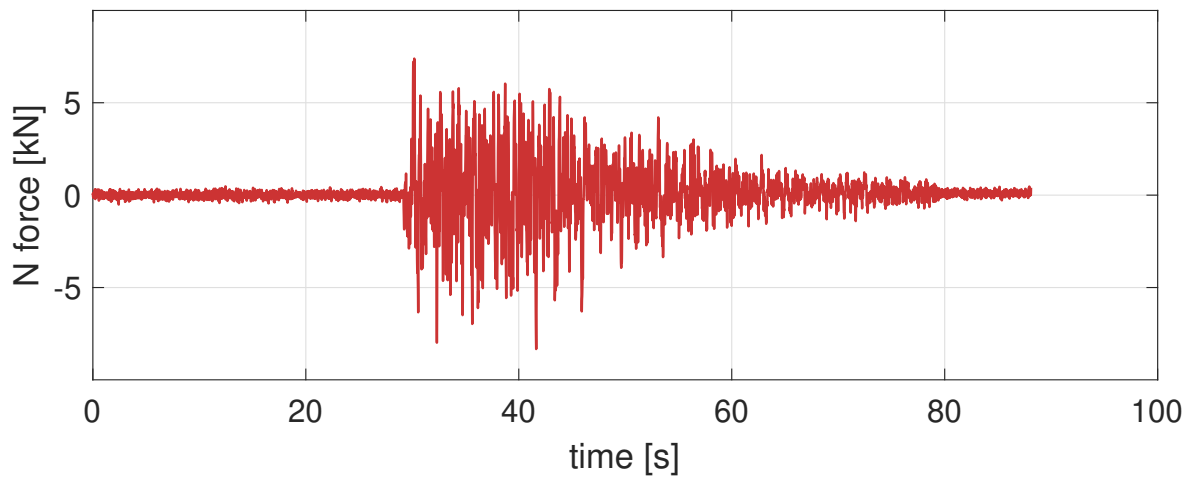
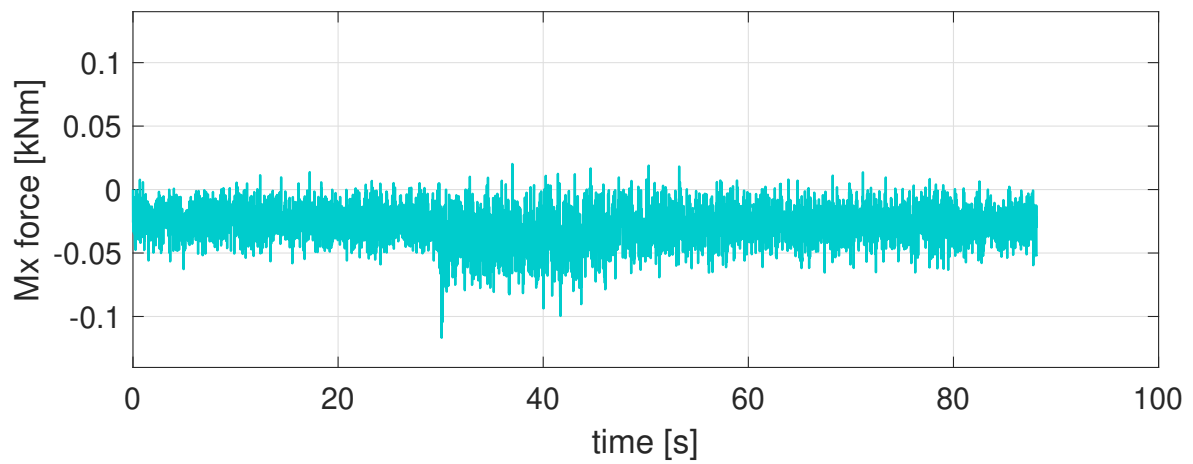


- Montante numero 8



**Quota z = 250 cm**

– Montante numero 8

**Test125 - N force stiffener8- z =250 cm****Test125 - Mx force stiffener8- z =250 cm****Test125 - My force stiffener8- z =250 cm**