



## Impact Hammer

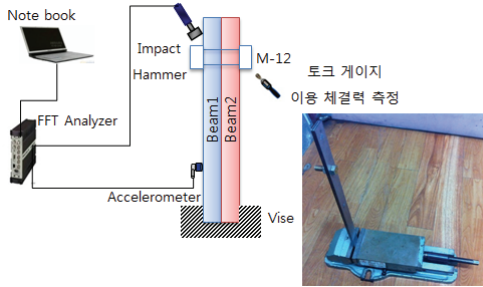


Fig 3. Equipment of experiment

## 2.3

Bolt

3/4L, 1/2L Bolt Force 0, 1, 2, 3, 5, 10, 15, 20kN,  
Surface Roughness Fine/Rough

Table 1. Bolt joint condition

	Condition			
Bolt position	3/4L		1/2L	
Bolt Force	0, 1, 2, 3, 5, 10, 15, 20kN			
Surface Roughness	Fine	Rough	Fine	Rough

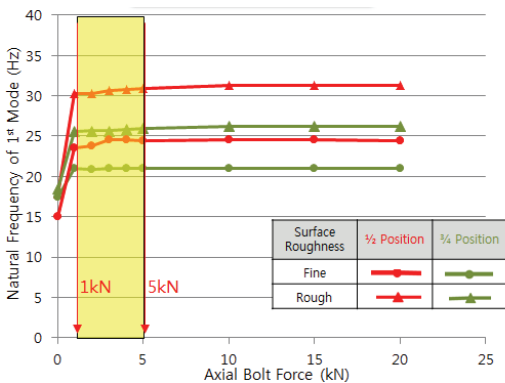


Fig 3. Result of experiment

Bolt 1/2 가  
3/4 가 가 가 가  
5kN 가

## 3. CAE

### 3.1 Simulation model

Simulation  
Steel

### 3.2 Simulation

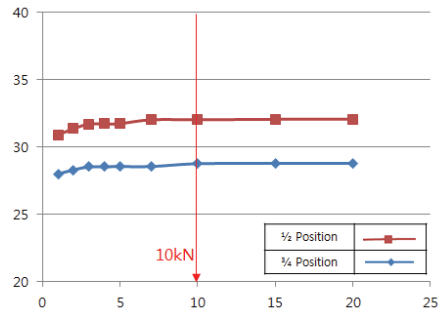


Fig 4. Result of Simulation

Simulation Bolt 1/2  
가 3/4 가  
가 가 가 10kN 가

## 4.

Bolted

CAE

가

- (1) Yoon Ji-Hyun, Sim Hyun-Jin, Fawazi Noor, Lee You-Yub, Oh Jae-Eung, 2007, Experimental Analysis on Conditions of Joint for Cantilever Beam, Journal of Sound and Vibration, Proceedings of the KSNVE Annual Autumn Conference pp. 1302~1306