







Baseline Study on the Structural Behaviour of Cold-Formed Steel Elements Subjected to Fire 5 Laím, Craveiro & Rodrigues	
EXPERIMENTAL INVESTIGATION Test Method for Columns	
×	The 3D restraining frame was used to take into account the axial stiffness of the surrounding structure to the column. Different values of stiffness were provided by positioning the peripheral columns of the restraining frame in different positions.
	The loading was applied by a hydraulic jack, which was hung on a 2D reaction frame. Beneath this hydraulic jack a load cell was still mounted in order to monitor the applied load during the test.
Figure 2. Test set-up for CFS columns	Additionally, the restraining forces generated in the columns due to the heating were measured by a load cell located inside a void cylinder of high stiffness. This cylinder was placed between the testing column and the restraining frame.
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