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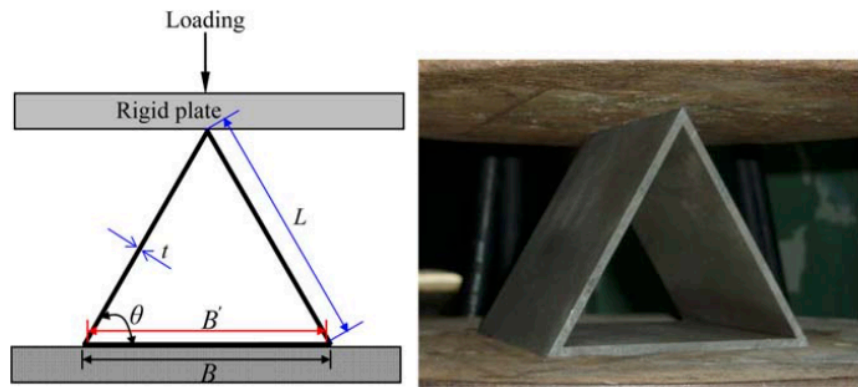


Figure 1. Specimen of ETT under lateral compression.

From: Hualin Fan, Wu Hong, Fangfang Sun, Ying Xu and Fengnian Jin, “Lateral compression behaviors of thin-walled equilateral triangular tubes”, *International Journal of Steel Structures*, Vol. 15, No. 4, pp 785-795, 2015

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Selected Publications:

Fangfang Sun, Hualin Fan, Chuwei Zhou, Daining Fang, “Equivalent analysis and failure prediction of quasi-isotropic composite sandwich cylinder with lattice core under uniaxial compression”, *Composite Structures*, Vol. 101, pp. 180-190, July 2013

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Hualin Fan, Wu Hong, Fangfang Sun, Ying Xu and Fengnian Jin, “Lateral compression behaviors of thin-walled equilateral triangular tubes”, *International Journal of Steel Structures*, Vol. 15, No. 4, pp 785-795, 2015

Qiang Chen, Quan Shi, Stefano Signetti, Fangfang Sun, Zhiong Li, Feipeng Zhu, Siyuan He and Nicola M. Pugno, “Plastic collapse of cylindrical shell-plate periodic honeycombs under uniaxial compression: experimental and numerical analyses”, *International Journal of Mechanical Sciences*, Vols. 111-112, pp 125-133, 2016

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Hualin Fan, Jianfeng Ouyang, Fangfang Sun, Peishi Yu, Ning Kuang and Yang Hu, "Light-weight design of CRH wind deflector panels based on woven textile sandwich composites", *Acta Mechanica Solida Sinica*, Vol. 29, No. 2, pp 208-220, April 2016

Fangfang Sun and Hualin Fan, "Inward-contracted folding element for thin-walled triangular tubes", *Journal of Constructional Steel Research*, Vol. 130, pp 131-137, March 2017

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Shu Jiang, Fangfang Sun, Xirui Zhang and Hualin Fan, "Interlocking orthogrid: An efficient way to construct lightweight lattice-core sandwich composite structure", *Composite Structures*, Vol. 176, pp 55-71, September 2017

Fangfang Sun, Changliang Lai and Hualin Fan, "Failure mode maps for composite anisogrid lattice sandwich cylinders under fundamental loads", *Composites Science and Technology*, Vol. 152, pp 149-158, November 2017

Shu Jiang, Fangfang Sun and Hualin Fan, "Multi-failure theory of composite orthogrid sandwich cylinder", *Aerospace Science and Technology*, Vol. 70, pp 520-525, November 2017

Wanxin Li, Fangfang Sun, Yeiyi Wei, Debo Liu, Xi Zhang, Ming Li and Hualin Fan, "Fabrication and testing of composite corrugated-core sandwich cylinder", *Composites Science and Technology*, Vol. 156, pp 127-135, March 2018

Weiwei Li, Yonghao Luo, Ming Li, Fangfang Sun and Hualin Fan, "A more weight-efficient hierarchical hexagonal multi-cell tubular absorber", *International Journal of Mechanical Sciences*, Vol. 140, pp 241-249, May 2018