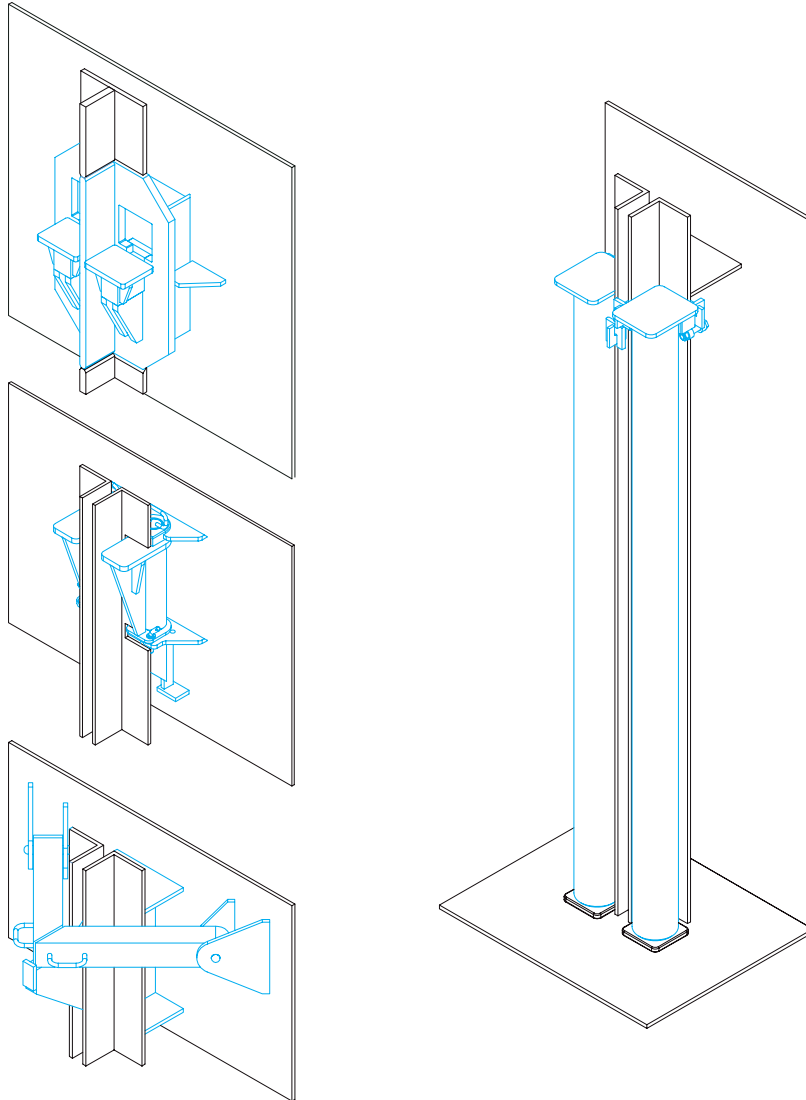


CELLGUIDE STOPPERS



Description

There are several reasons for integrating vertical stoppers in the cellguides. In the area of inclining hull form with 20' tanksteps the installation of cellguide stoppers do allow loading of 40' containers even when there are no 20' containers available for lowermost position. Vertical stoppers can be integrated at certain level in the cellguides so that non-standardized cargoes can be loaded on tanktop while 40' containers can be stowed above. In case of large container carriers and especially open top

container vessels with more than nine tiers on top of each other the stackloads have to be limited because the corner post compression of the lowermost container might be exceeded. Many different solutions for stoppers have been realised depending on customers preference and situation on board. It should be mentioned that stanchion type stoppers are transmitting vertical loads directly into tanktop structure while all other types of stoppers do require large reinforcements to absorb vertical loads.