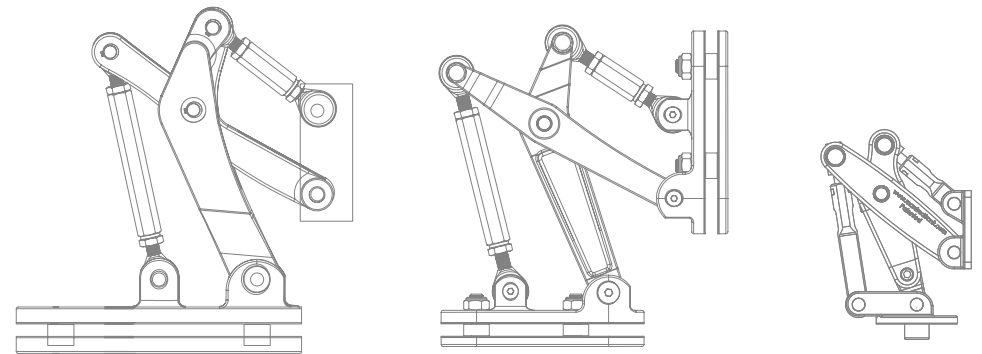


Moving Point Hinge - Multi Pivot Hinge

There has been only one access solution for many years to frameless glass showcases where the panels are pushed or pulled for access. These conventional methods limit the design options for showcases, for example when the access is next to a room corner or the glass panels are too large, too high or too narrow.

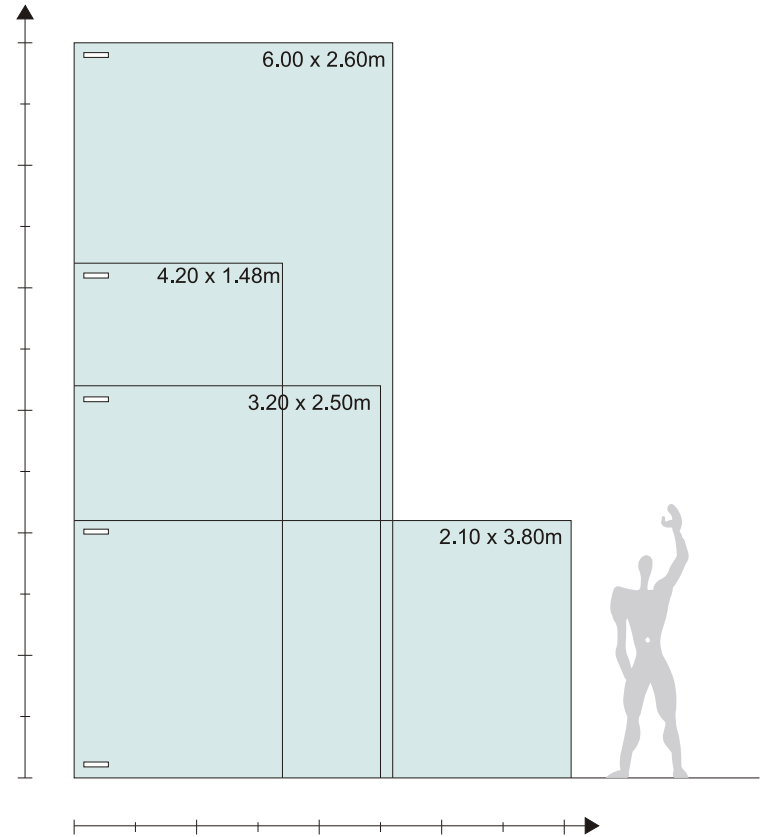
In 1996, Manfred Frank presented the first and most successful solution to remove this limitations, the three-dimensionally adjustable multi-pivot hinge system. The first installation was in 1997 in the entrance gallery of the "National Maritim Museum" in Sydney. Ever since, the multi-pivot hinge system has been in use worldwide for diverse solutions.

Manfred Frank hinges are produced by using a high definition "Lost Wax - Investment" casting process. Only the highest strength and quality grade of cast certified stainless steel material is used in the manufacture of hinge parts. The quality of all structural stainless steel hinge components is consistently monitored and documented with Spectrometer X-Ray Analysis.



examples for door dimensions realized with Multi Pivot Hinges

	Material	Hinges	Dimensions	Weight
Asian Civilisation Museum, Singapore	10mm ESG	HD/HD	6.0 x 2.6m	600kg
Königsallee, Düsseldorf	10mm ESG	HD/St	4.2 x 2.5m	185kg
Roland Garros, Paris	10mm ESG	HD/HD	3.2 x 2.5m	195kg
Museo Sefardi, Toledo	10mm ESG	HD/HD	2.1 x 3.8m	200kg



basic informations of the Multi Pivot Hinges

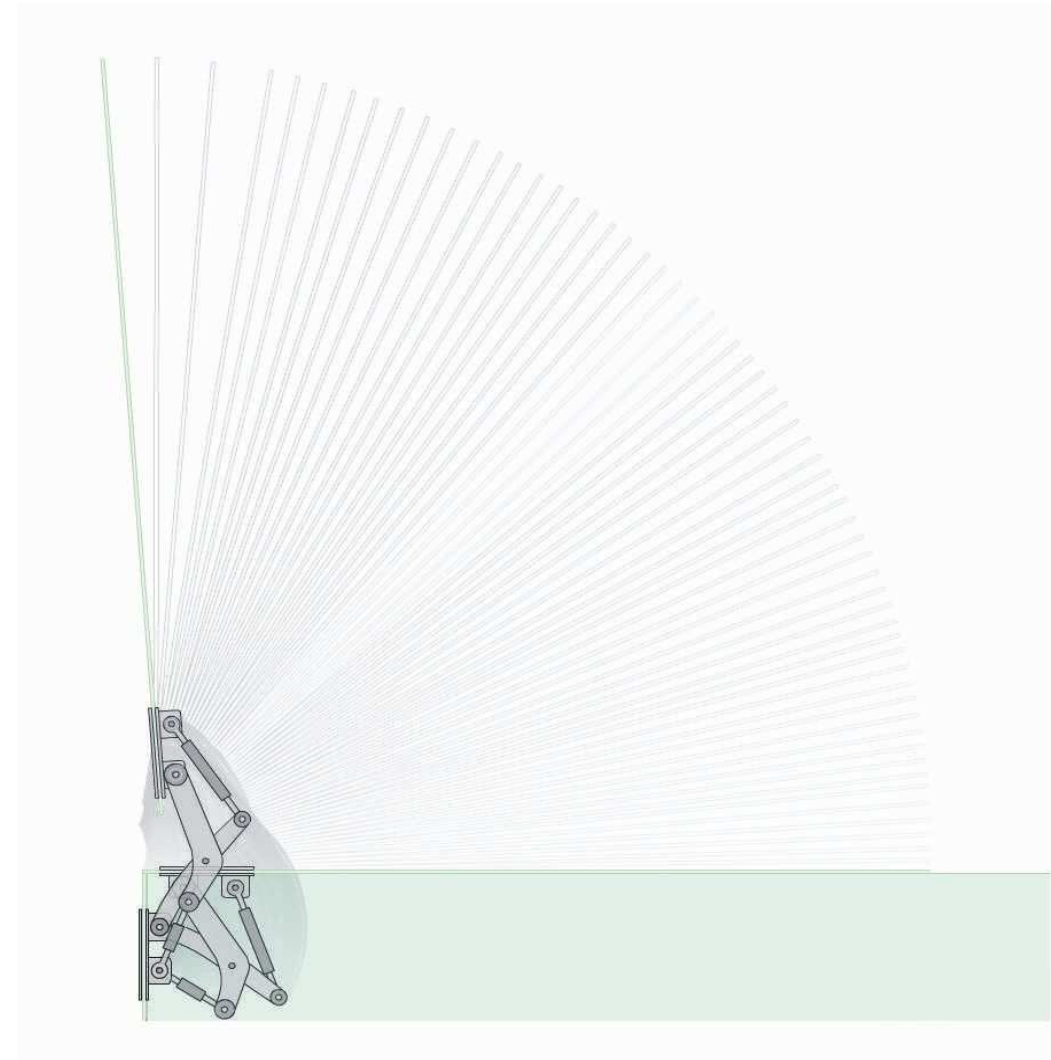
The ingenious motion of the hinge while being opened and closed is best described as a three directional movement. The door moves parallel and sideways while simultaneously following its opening/closing arc. The door opens with ease without the risk of damaging the case seals. Complete case access is achieved through a full 90° opening.

The multi-pivot hinges function in pairs and in any size. They can be housed invisible in a frame on the top and bottom surfaces of the showcase.

The connection with the surface to be opened (wood, metal, stone or glass) is via screws on a supporting frame, special support plates or an undercut anchor. On the fixed side, mounting is done via bolts on a special aluminium profile frame. This profile is modular and allows for unlimited expansion using copyrighted link elements for easy assembly.

Furthermore, all types of industrial connections may be used. The use of the MPH system can be adapted and planned to suit individual requirements.

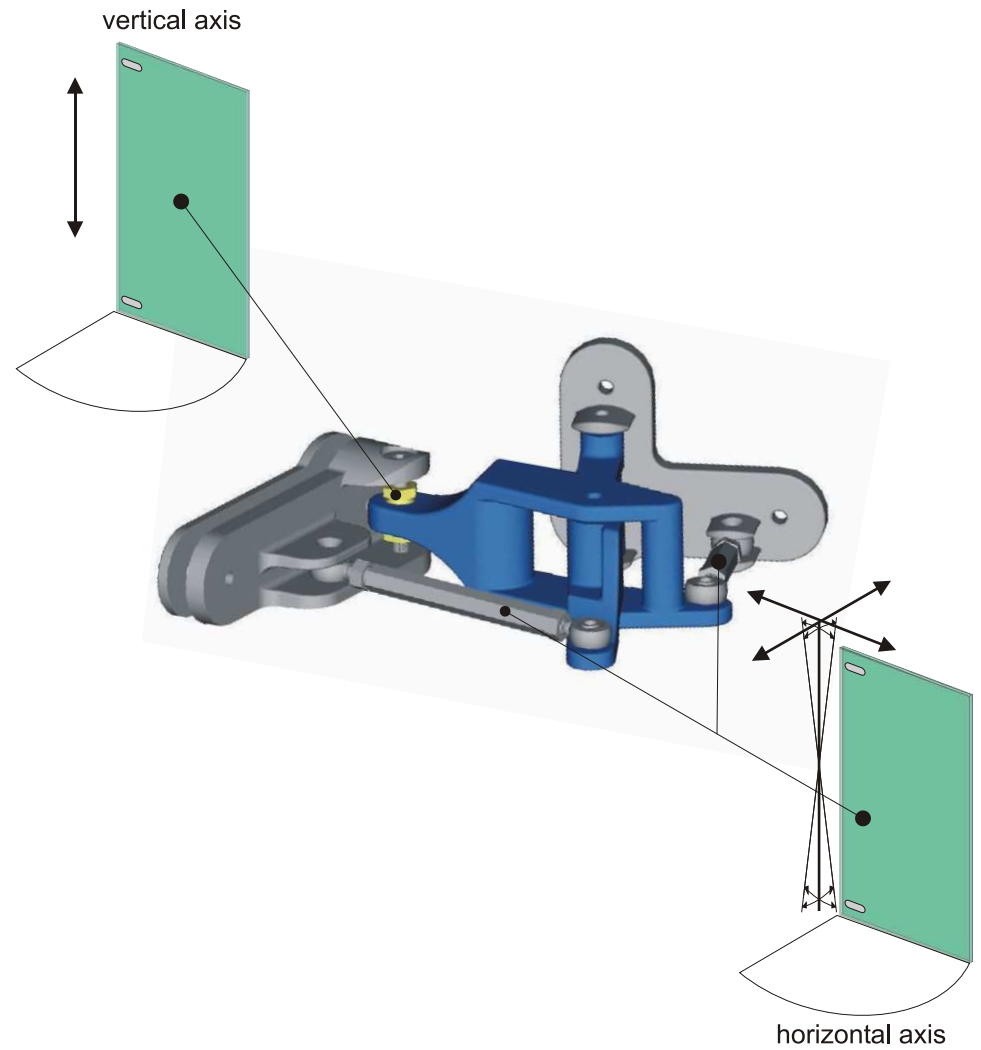
In order to expand the MPH system, an electro-mechanical drive is being developed now which will make the multi-pivot an important detail for use in façades.



Adjustment / Alignment

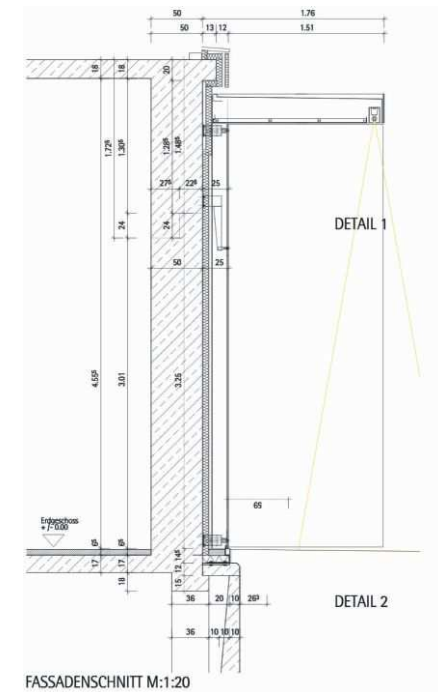
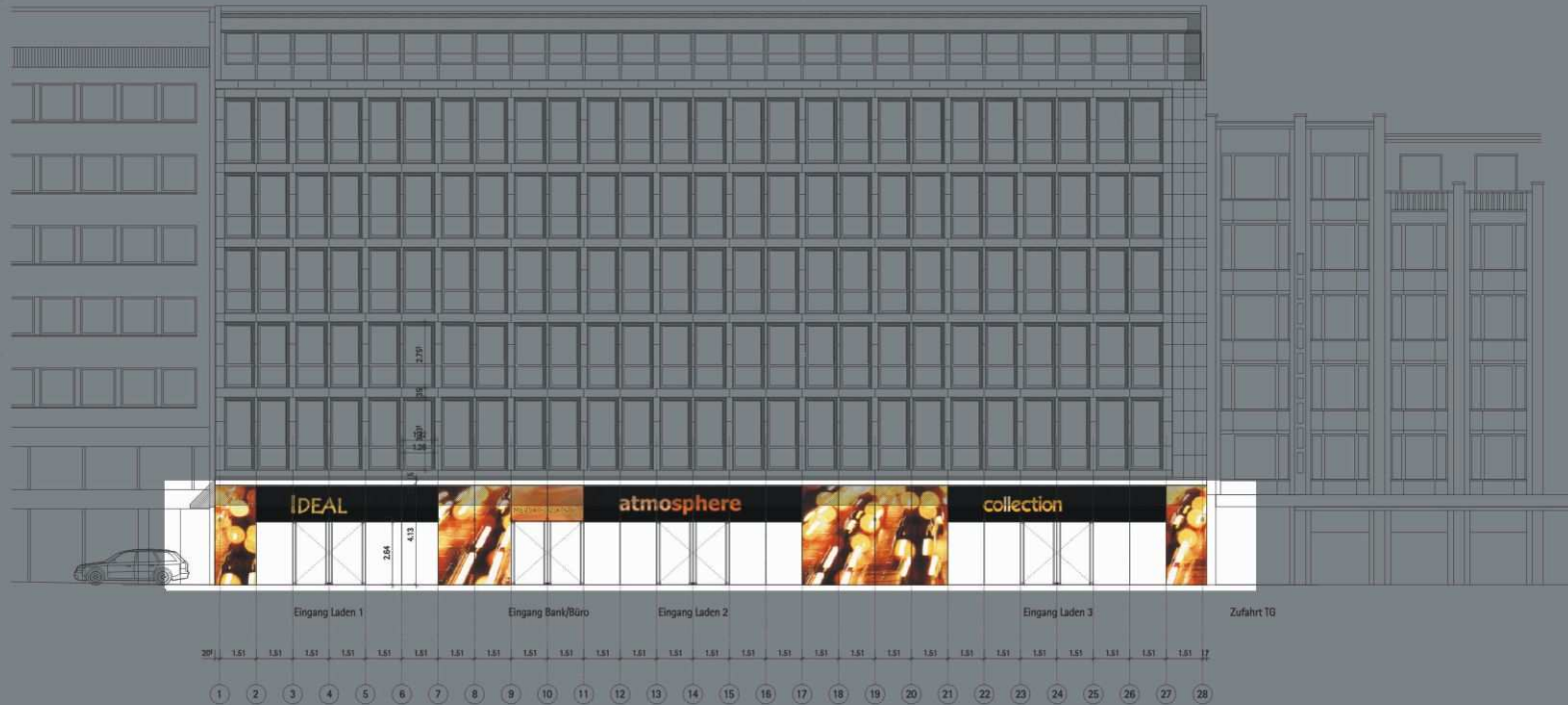
The basis of the MPH System is a simple but highly effective adjustment mechanism. This feature allows for easy and precise alignment in all planes.

Adjustment/alignment is achieved fast and without the need to support the weight of even the largest panels.



Königsallee / Ecke Steinstraße, Düsseldorf, Germany

28 shop windows as doors, 410 x 148cm (h x w)



National Museum of the American Indian-Smithsonian Institution, Washington, USA

bent glass doors as a complex showcase unit

