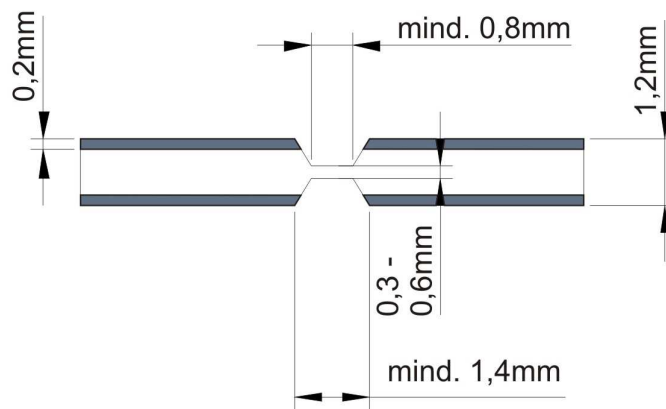


Hinge

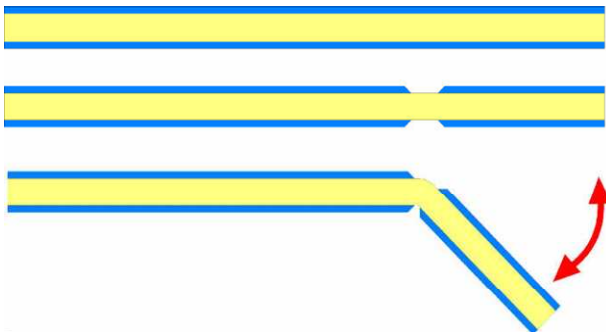
The possibility of using the polypropylene core of HYLITE® as a hinge can be realised in a variety of ways.

The thickness of the remaining core affects the flexibility of the hinge. The width of the milling groove results the folding angle, such as the number of hinges (e.g. double hinge).

The optimal dimension of a standard hinge is defined as follows:



Milling cutters out of carbide-tipped or HSS with cylindrical shank for corresponding V-grooves are available at precision tool manufacturer (but not available ex stock).



The sheets are also functionally tested by RWTÜV in a broad temperature range. After 80.000 folding movements no deterioration could be observed.