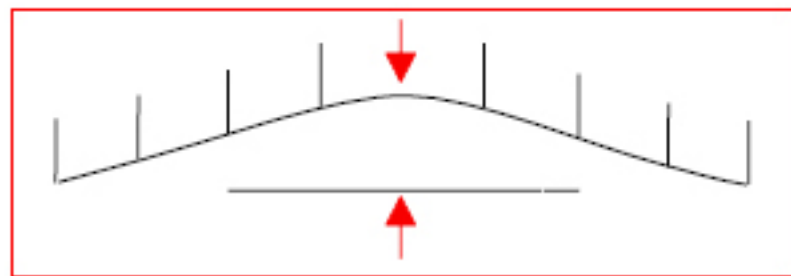


The catalogue you are using is a very old one and no longer in use. The values specified there is the maximum for the deviation from flatness for the both flanges. This will also depend on the Gasket Compressibility and the Applied Load. We currently use the guidelines specified in the latest ASME-PCC-1 standard. For 3.0 mm C-4430 ,we would recommend 0.3 mm as the maximum Flange Surface Flatness (per flange). Please see the below sketch.

Flange Surface Flatness



Consider :-

Gasket compressibility at the specified load.