## Profile



## Helix



B $\quad \begin{aligned} & \text { Helix form deviation } \\ & \text { Form deviation of the helix witu }\end{aligned}$ Form deviation of the helix withour
consideration of the slope deviation.
 Slope deviation of the helix without
consideration of the form deviation:
 materal removal on the flank ends
of the datum face Avoid imming
with the mating gear under load.
$\mathrm{C}_{\text {ßII }}$
Helix end relief at non-datum
face face
Corection of the helix through
material removal on the flank ends of the non-datum face. Avoids
amming with the mating gear jamming wit
under load.
$C_{\beta} \quad \begin{gathered}\text { Helix crowning } \\ \text { Correction of the }\end{gathered}$ Correction of the helix through
conve curatuo everthe face width.
Compensates for elastic deformations Compensates for elastic
of the tooth under load.


[^0]
## Pitch

 Range of the postional deviation
of all inght leftr) flanks to the
nominal postion with the nominal position, with the flakks
being analyzed independently. $\qquad$ $L_{\text {LN }}^{\text {LN }}$

$f_{u} \quad \begin{aligned} & \text { Adjacent pitch difference } \\ & \text { Greatest unsigned difference }\end{aligned}$ individual single pitch deviations of ind ividual single pitc
all right (left) tlanks.

## Radial runout



## Tooth thickness



## ZEISS Gear Metrology


[^0]:    

