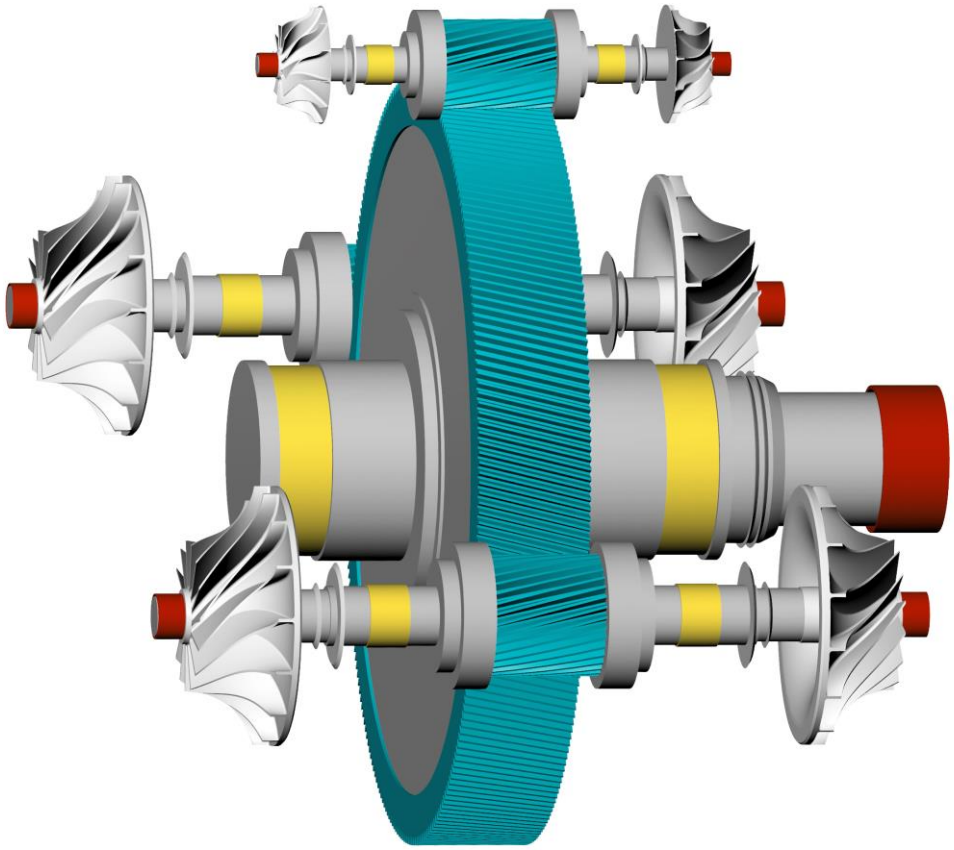
Profile and Tooth Trace Diagrams (K-charts)

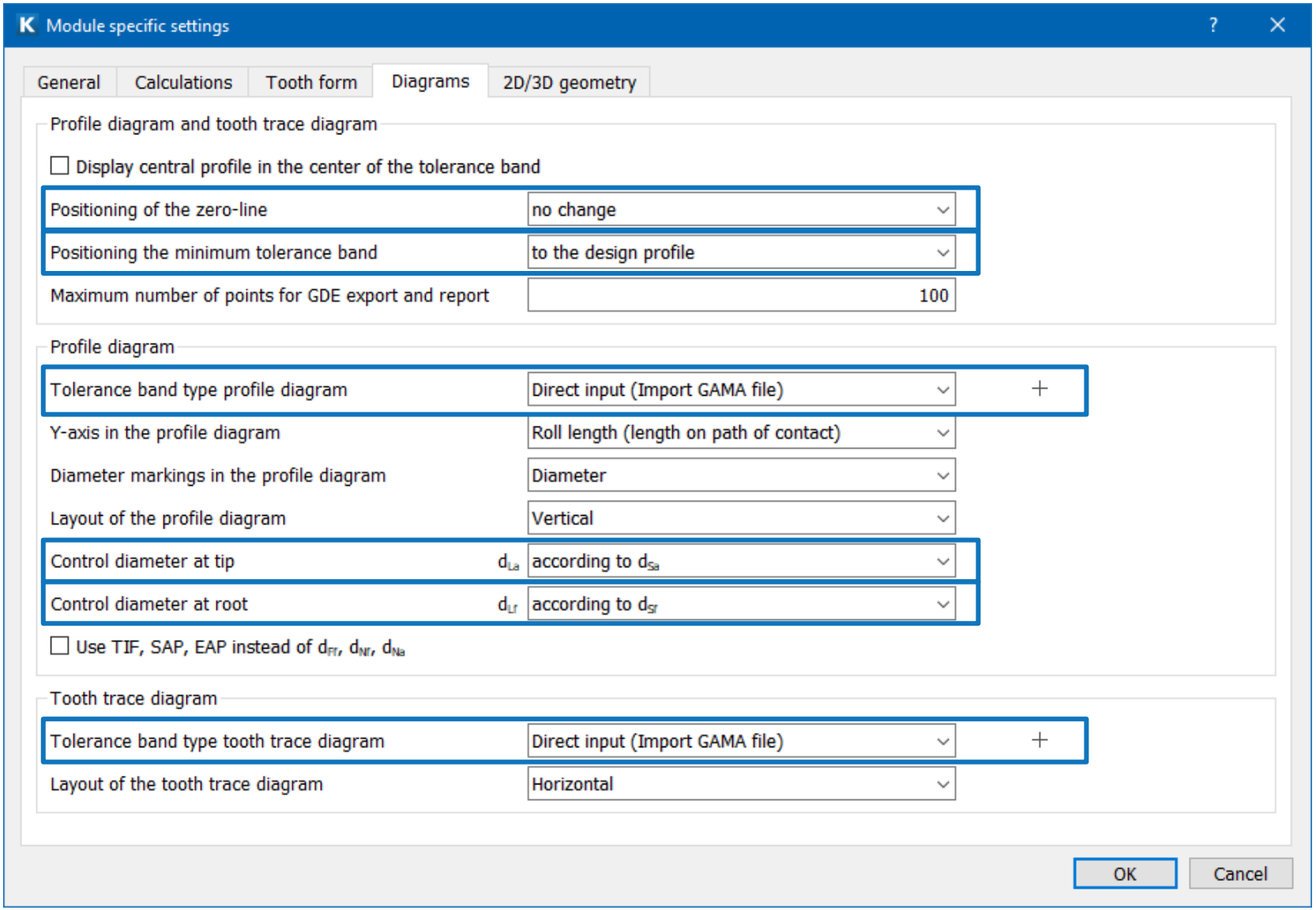


Dr. Inho Bae, v2200

 © KISSsoft AG. All Rights Reserved.

KISSsoft

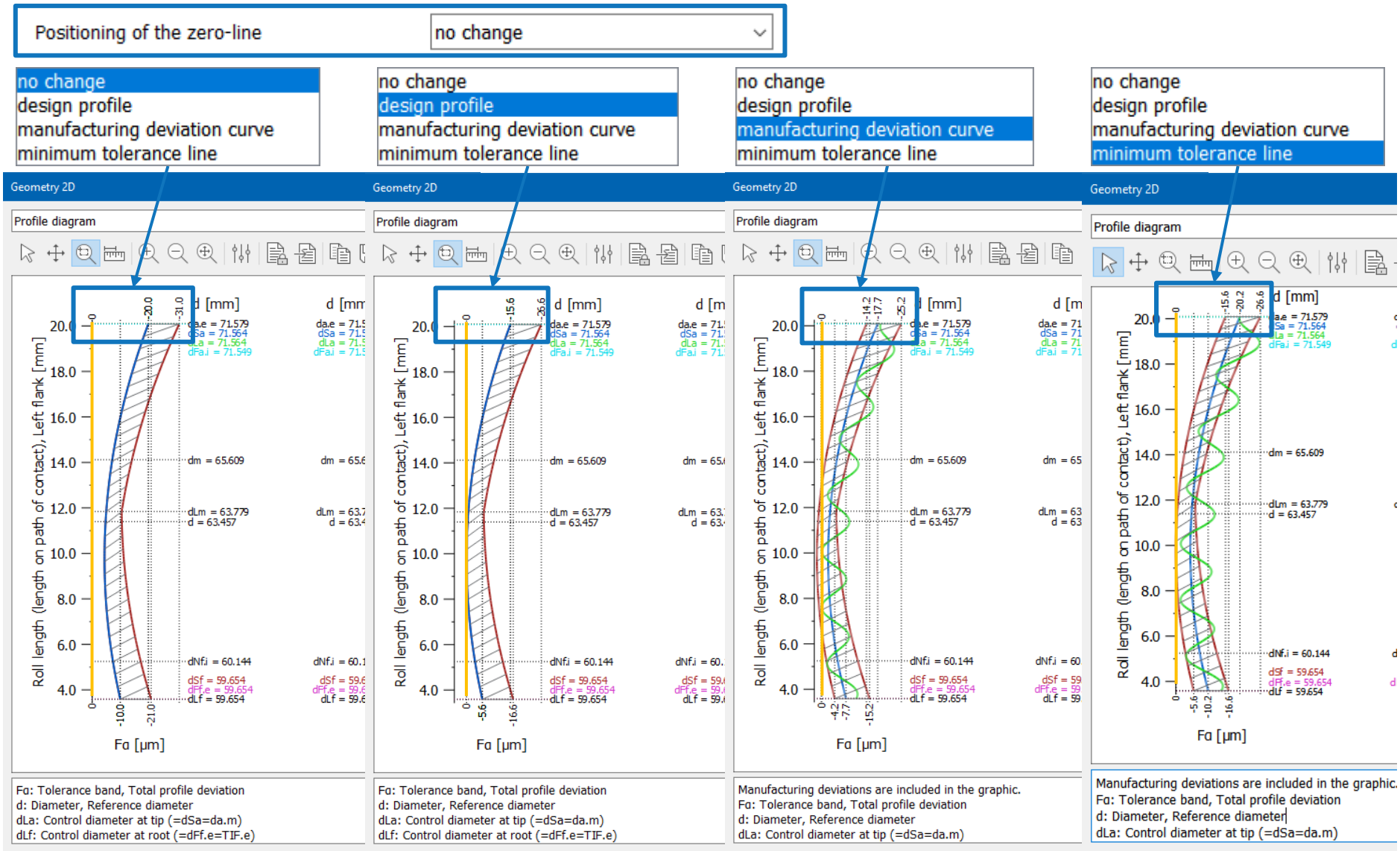
Z010, IB: New Settings for Profile and Tooth Trace Diagrams (K-charts)



 © KISSsoft AG. All Rights Reserved.

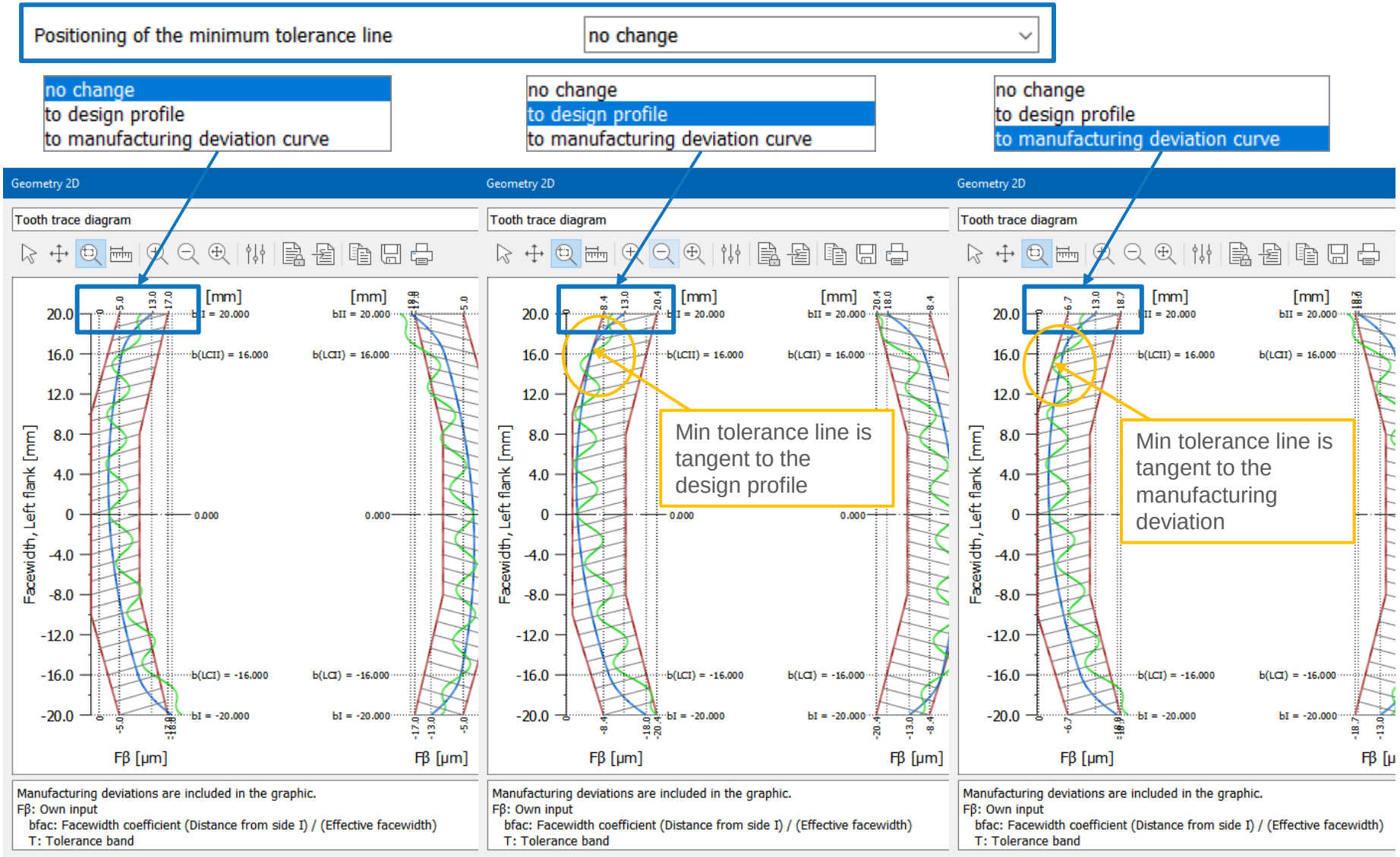
KISSsoft

Z010, IB: Settings for the positioning of the zero-line



 © KISSsoft AG. All Rights Reserved.

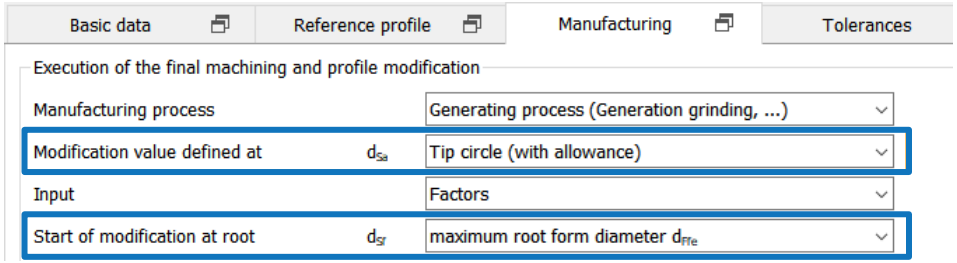
Z010, IB: Positioning of the minimum tolerance band



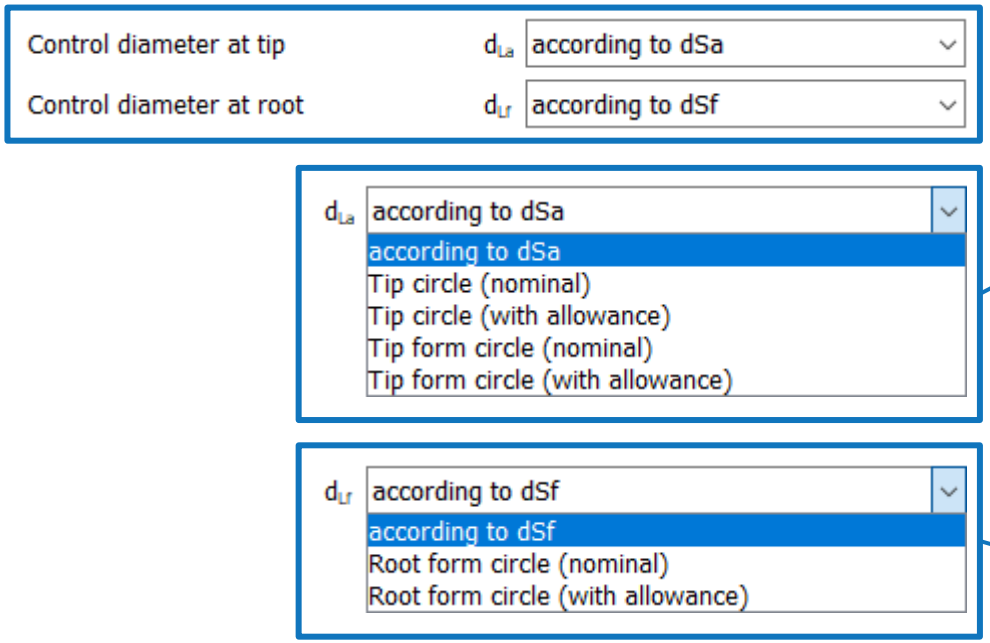
 © KISSsoft AG. All Rights Reserved.

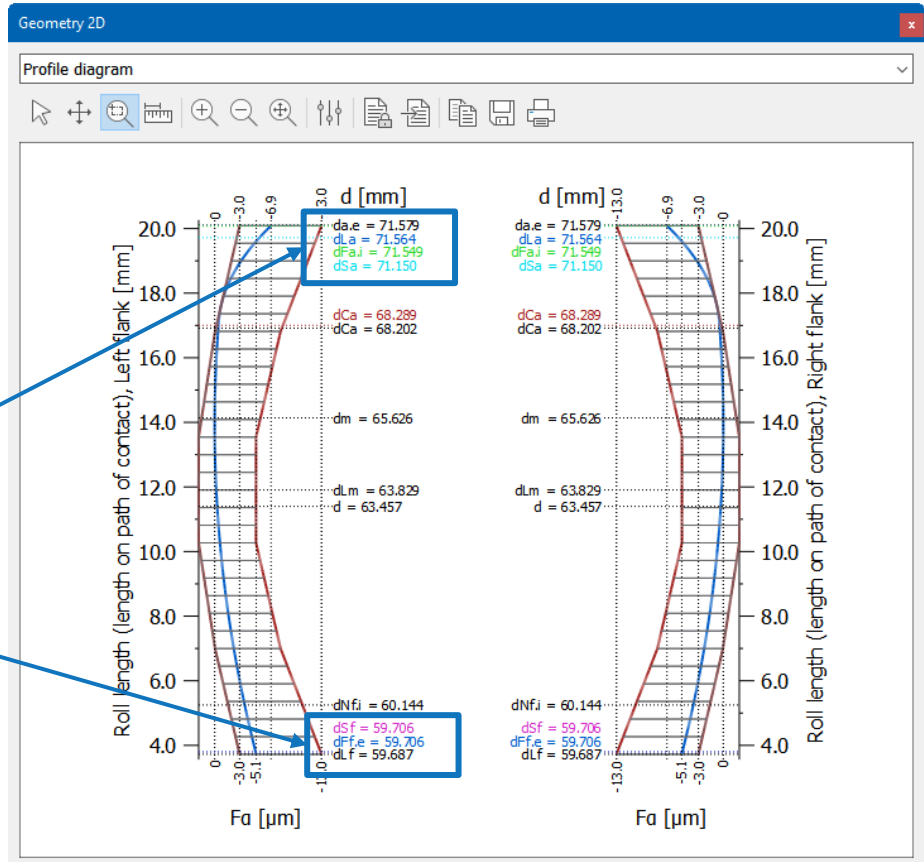
Z010, IB: Settings for the control diameters

Up to 2021, the control diameters of the profile diagram were the same as the modification setting diameters d_{Sa} and d_{Sf} in the tab Manufacturing.



In 2022, the control diameters d_{La} and d_{Lf} can be set independently with the modification diameters.





 © KISSsoft AG. All Rights Reserved.

KISSsoft

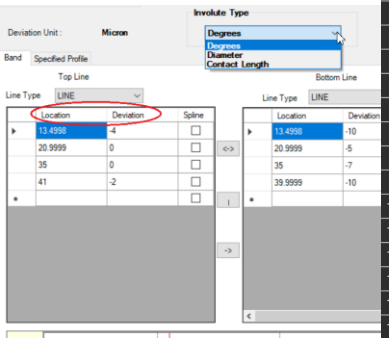
Z010, IB: Direct input of the tolerance band (Import GAMA tolerance band)

Tolerance band type profile diagram: Direct input (Import GAMA file)

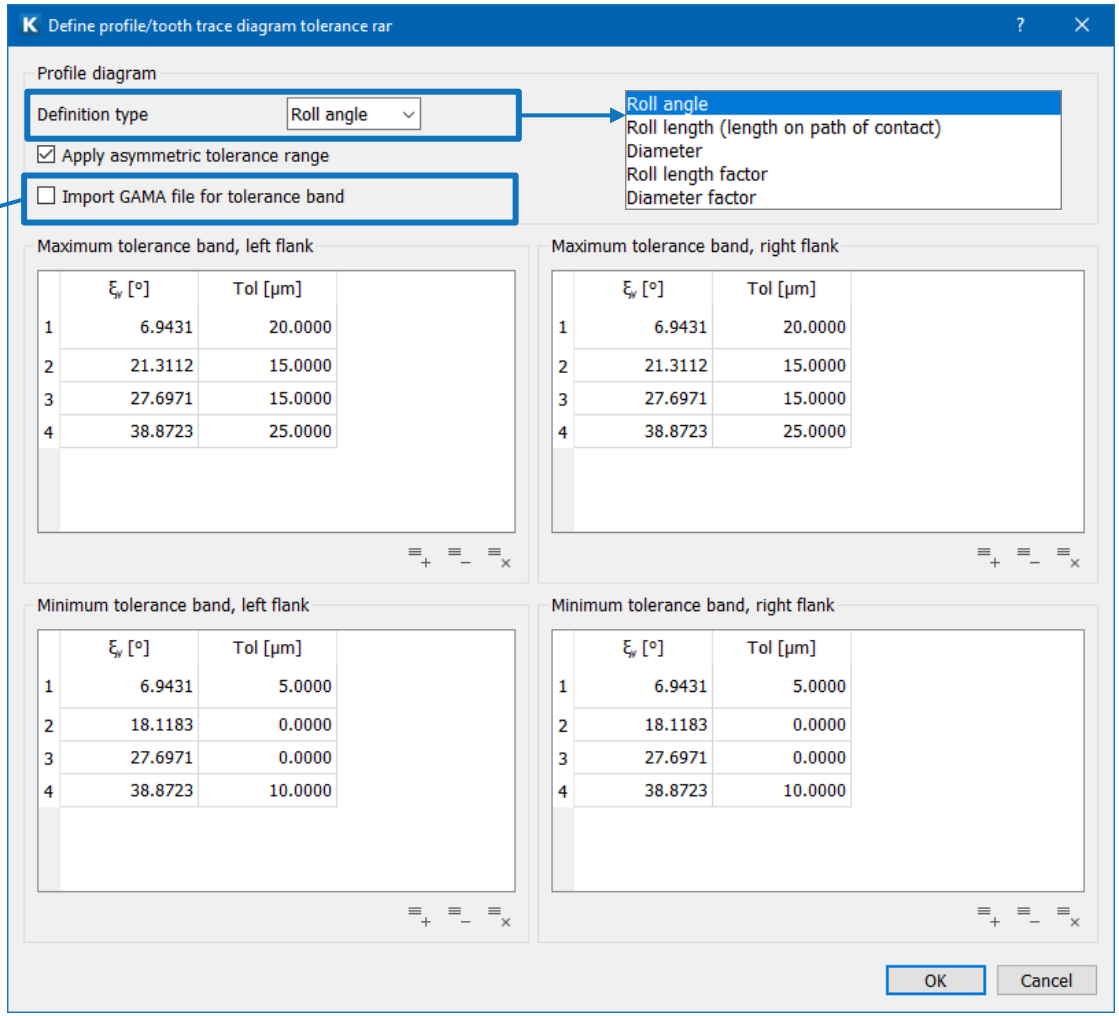
This option allows you to input your own tolerance band directly from the table.
It also enables to import of a GAMA tolerance band file (module right K05g).

Import GAMA file for tolerance band

GAMA file for tolerance band: GAMA_Profile_Bands.csv



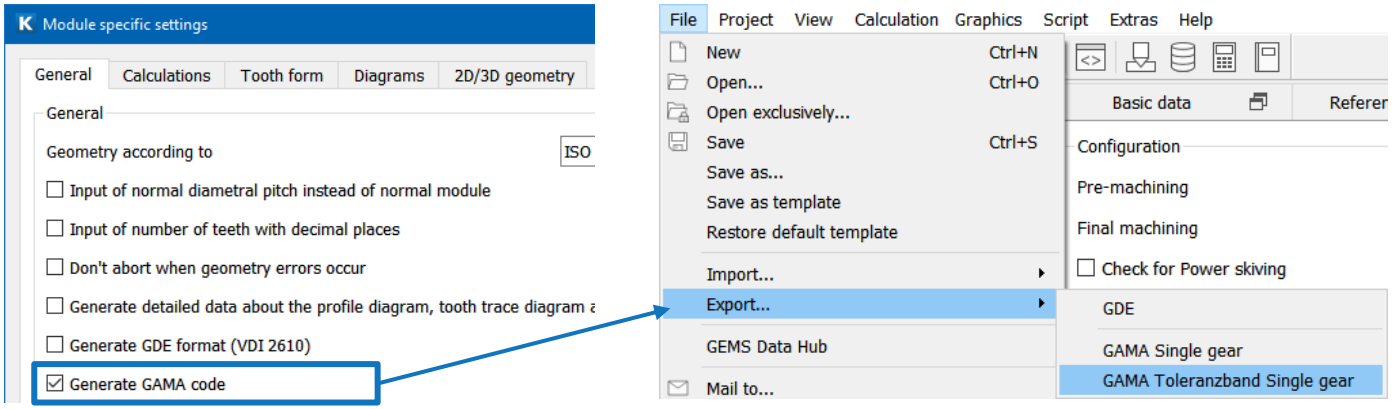
	A	B	C	D
1	Flank=1	Band=1	Points=4	LocType=1
2	Location	Deviation		
3	13.4999	-4		
4	21	0		
5	35	0		
6	41	-2		
7	Flank=1	Band=2	Points=4	LocType=1
8	Location	Deviation		
9	13.4999	-10		
10	21	-5		
11	35	-7		
12	41	-10		
13	Flank=2	Band=1	Points=4	LocType=1
14	Location	Deviation		
15	13.4999	-4		
16	21	0		
17	35	0		
18	41	-2		
19	Flank=2	Band=2	Points=4	LocType=1
20	Location	Deviation		
21	13.4999	-10		
22	21	-5		
23	35	-7		
24	41	-10		



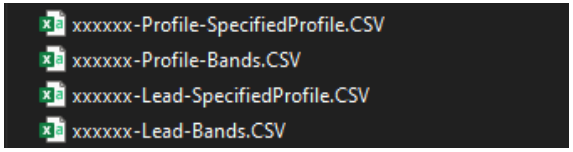
 © KISSsoft AG. All Rights Reserved.

Z010, IB: Export of the profile diagram to GAMA tolerance band file

Enable the option “Generate GAMA code” to export the profile diagram to GAMA tolerance band files (module right K05g).

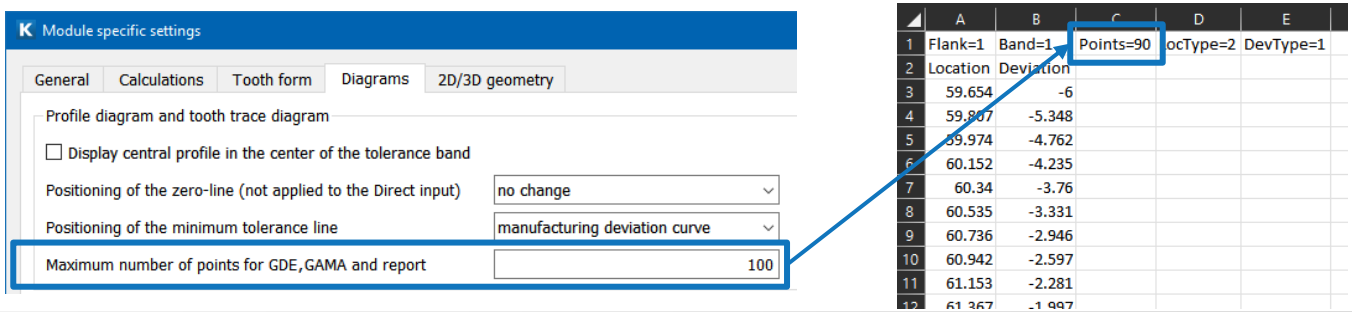


It generates 2 CSV files for the profile diagram and for the tooth trace diagram, respectively.



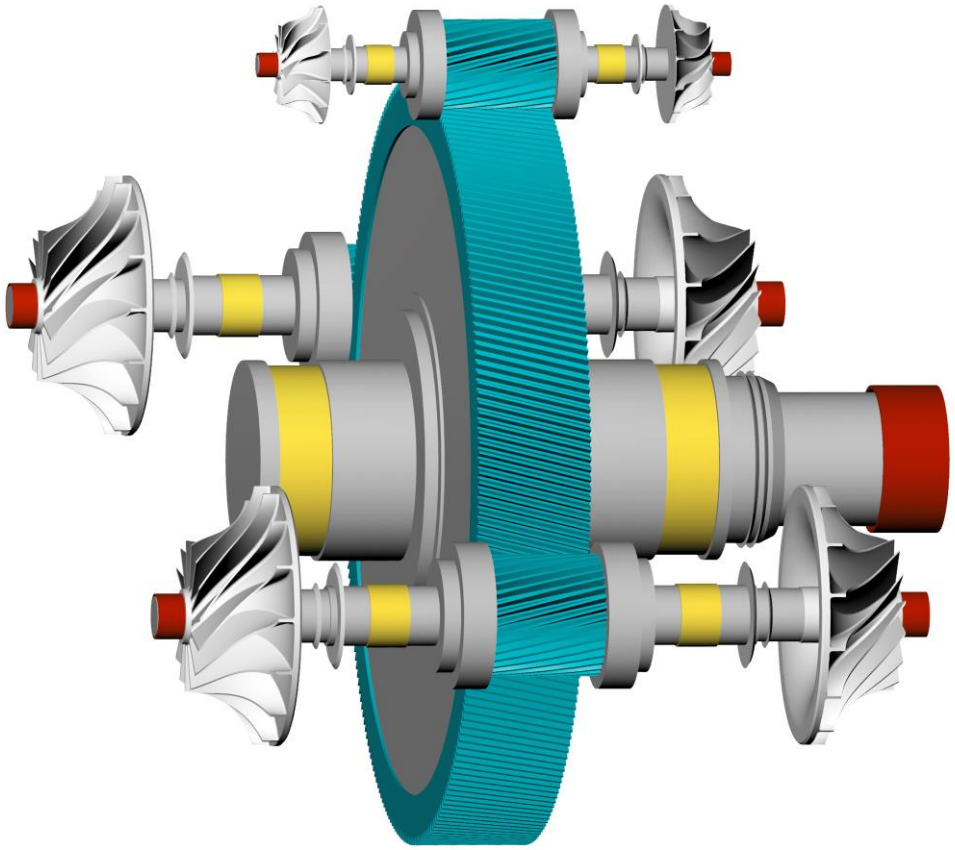
xxxxxx is the part number or the file name given by the user
-Profile-SpecifiedProfile is the design profile of the profile direction.
-Profile-Bands is the tolerance band of the profile.
-Lead-SpecifiedProfile is the design profile of the tooth trace (lead) direction.
-Lead-Bands is the tolerance band of the tooth trace (lead).

The following option controls the maximum number of points for the export.



 © KISSsoft AG. All Rights Reserved.

Thank you for your attention!



Sharing Knowledge

KISSsoft AG, A Gleason Company
Rosengartenstrasse 4, 8608 Bubikon, Switzerland
T. +41 55 254 20 50, info@KISSsoft.com, www.KISSsoft.com

 © KISSsoft AG. All Rights Reserved.