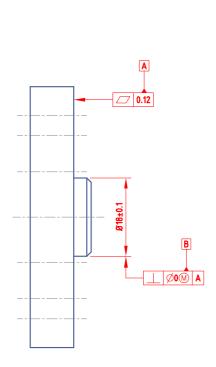
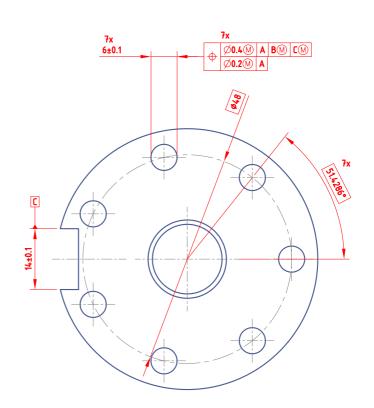


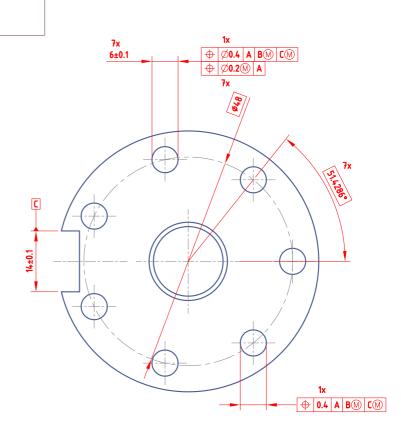
Composite tolerance





Dimensioning #2

Single segment tolerance

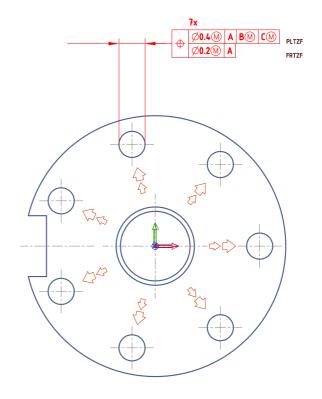


Pic. #2

Composite tolerance

Tolerances as much as possible.

- 1.) X/Y location of 7 bores constr. to A
- 2.) X/Y location of 7 bores constr. to ABC

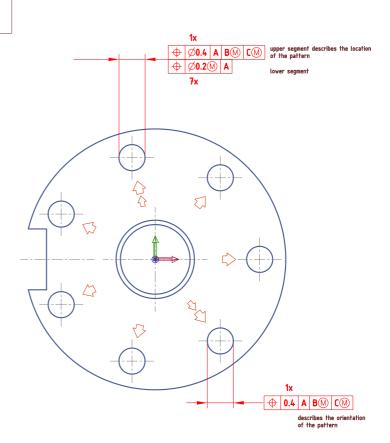


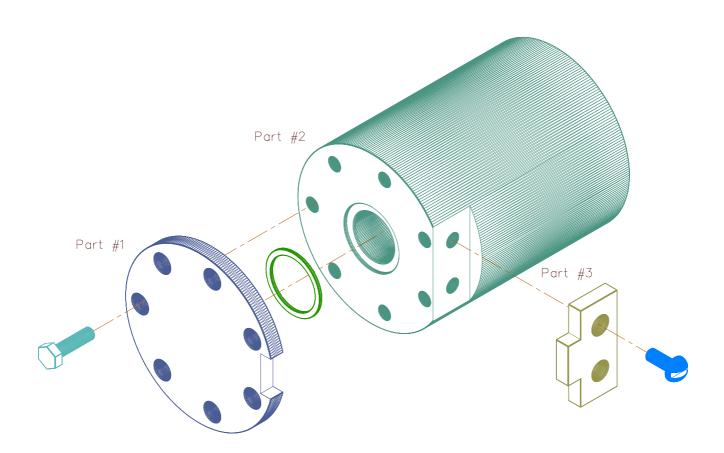
Dimensioning #2 (ok.)

Single segment tolerance

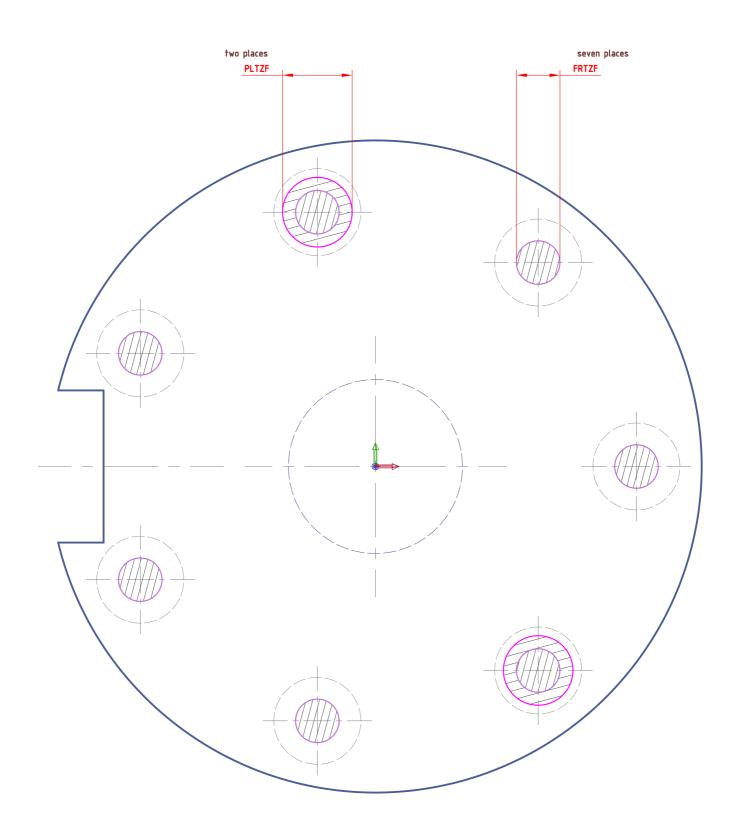
Tolerances as much as necessary.

- 1.) X/Y location of 7 bores constr. to A
- 2.) X/Y location of *one* bore constr. to ABC
- 3.) X location of *another* bore constr. to ABC



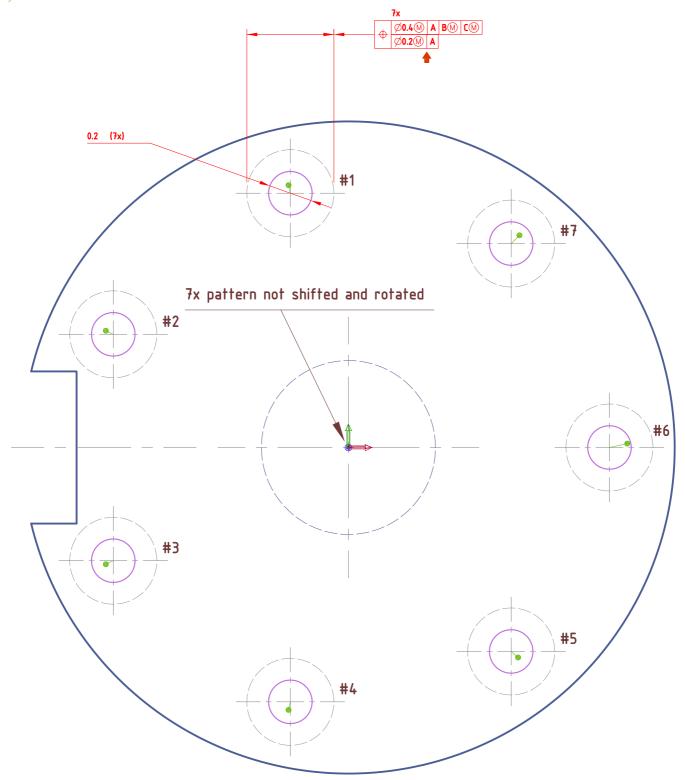


Two tolerancing systems



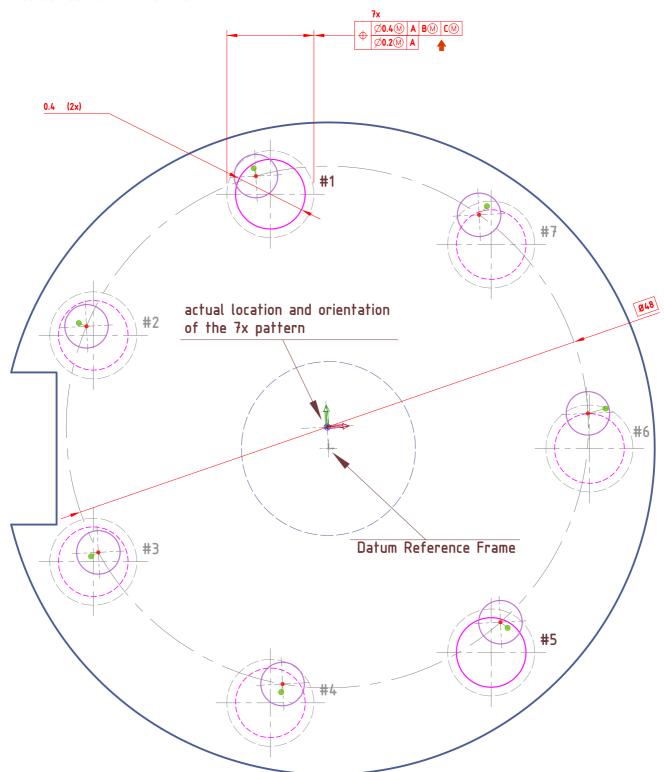
FRTZF 1;2;3;4;5;6;7

actual deviation after Best-Fit

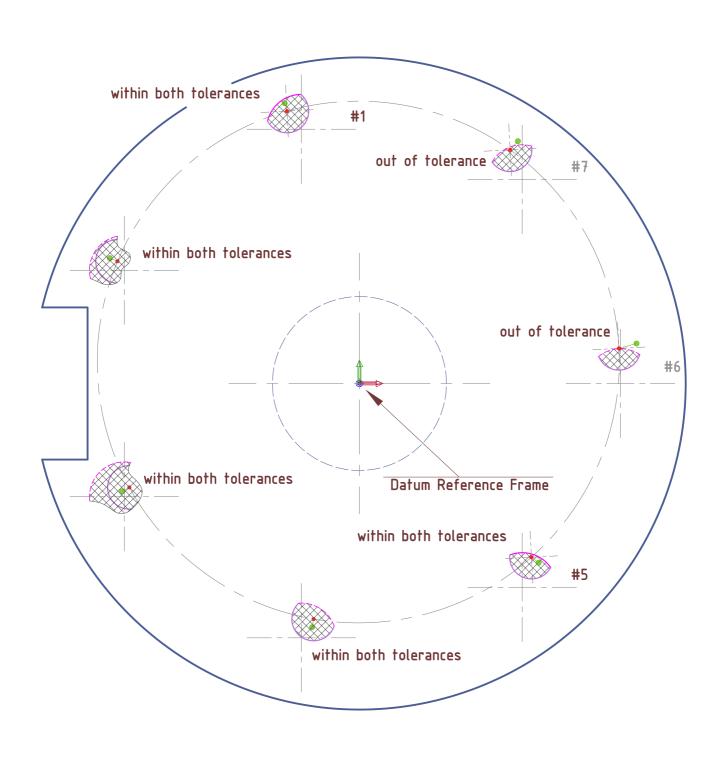


PLTZF 1;5

actual deviation after Best-Fit



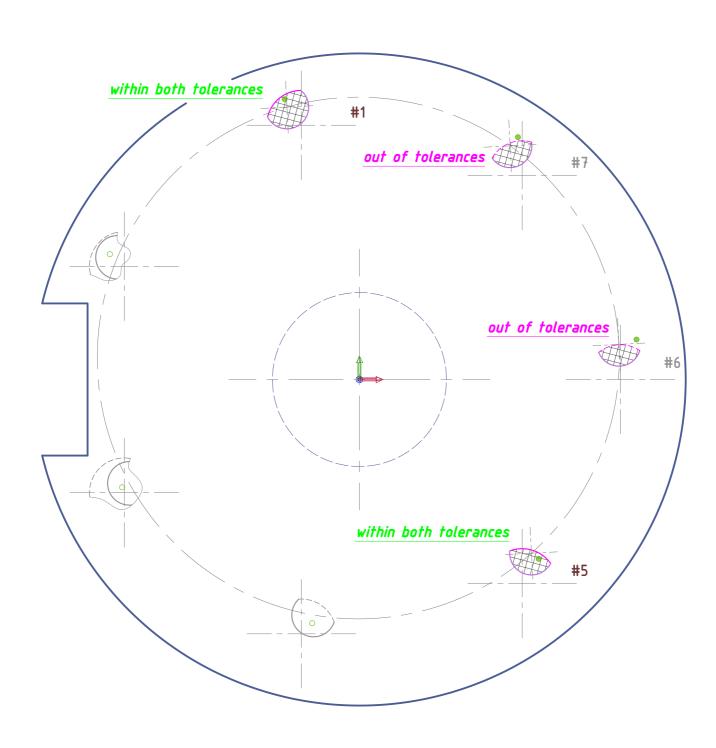
PLTZF 1;5



Tolerancing of 7 bores

PLTZF 1;5

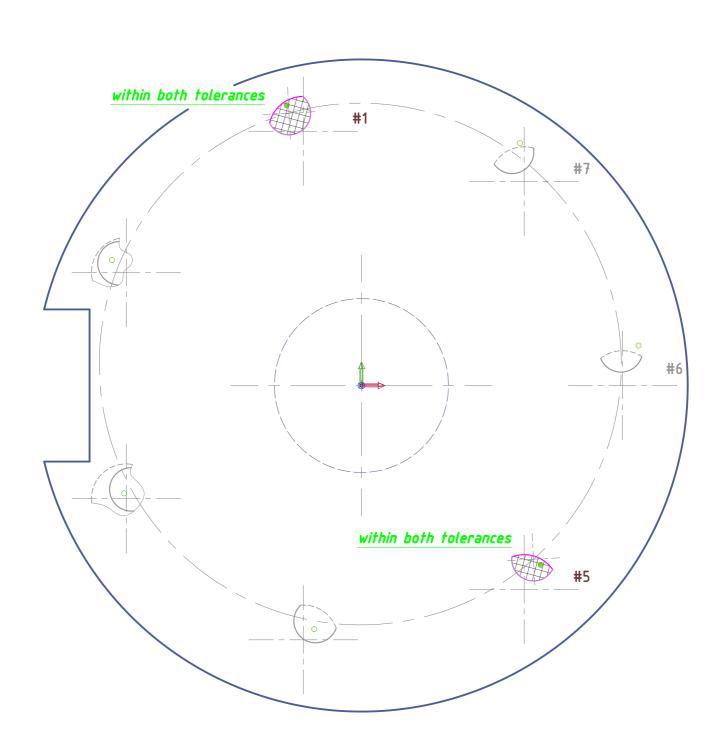
The "out of tolerance deviations" of #6 and #7 are irrelevant.
The deviations of #1 and #5 decide about the mating ability of part 1 and 3.



Tolerancing of 7 bores

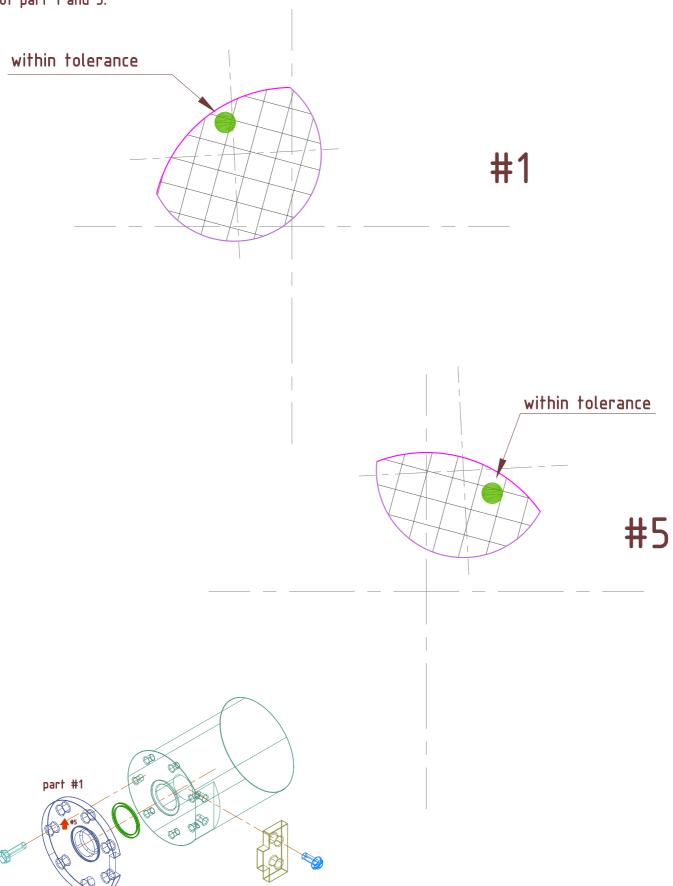
PLTZF 1;5

The deviations of #1 and #5 decide about the mating ability of part 1 and 3.



PLTZF 1;5

The deviations of #1 and #5 decide about the mating ability of part 1 and 3.



part #3

Tolerances as much as necessary

