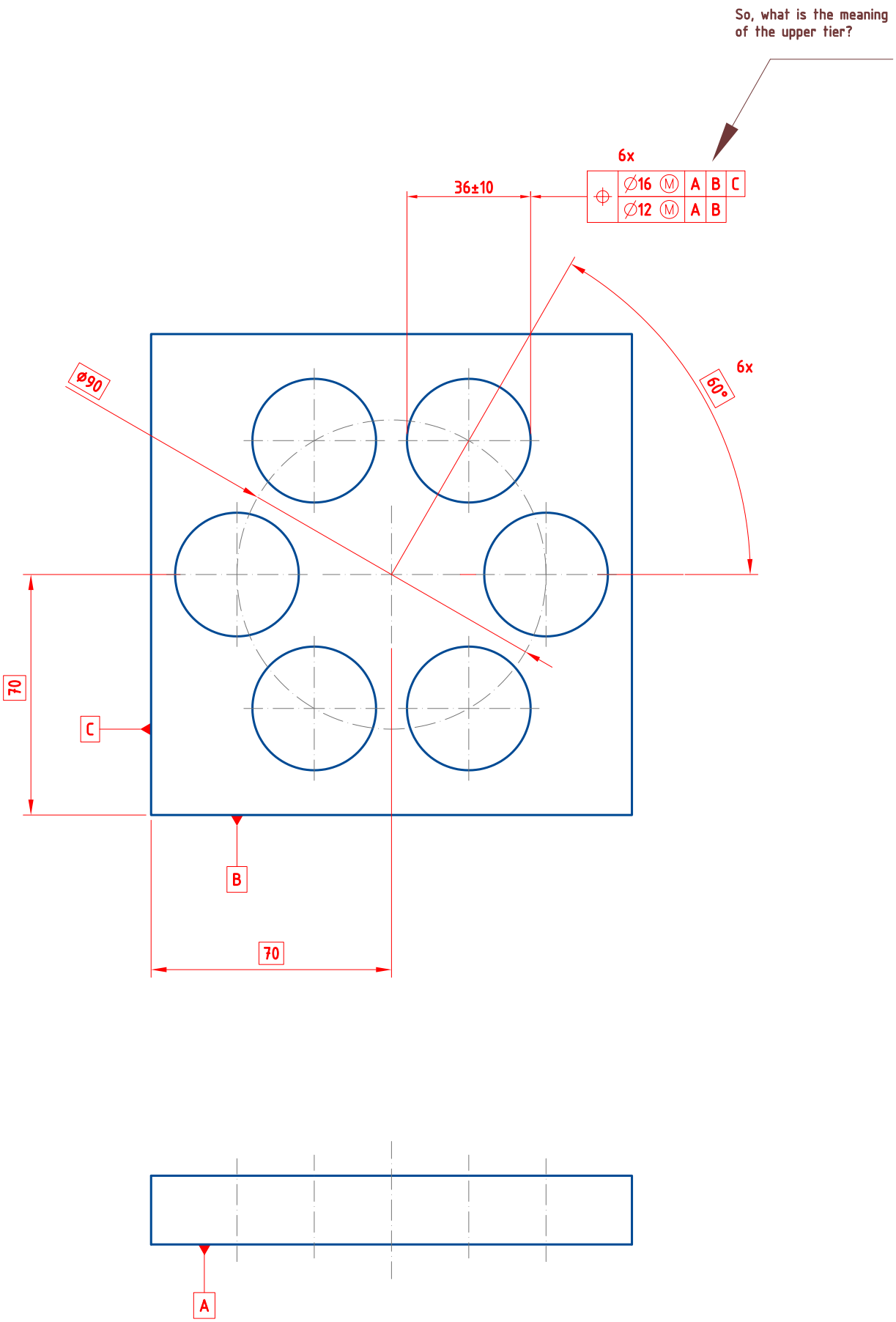
The nonsense of dimensioning

Pic. #1

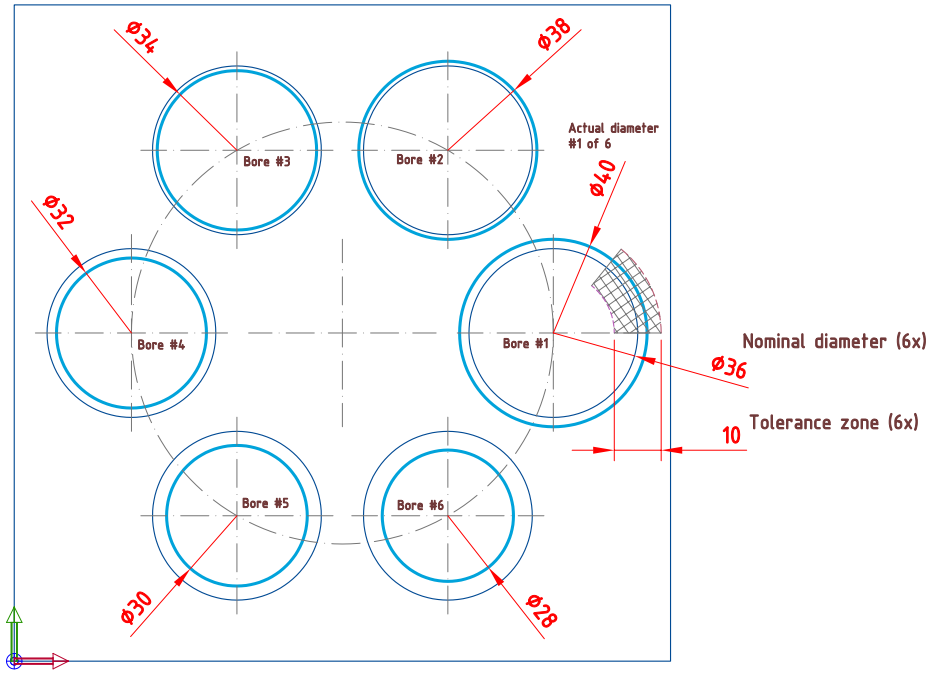


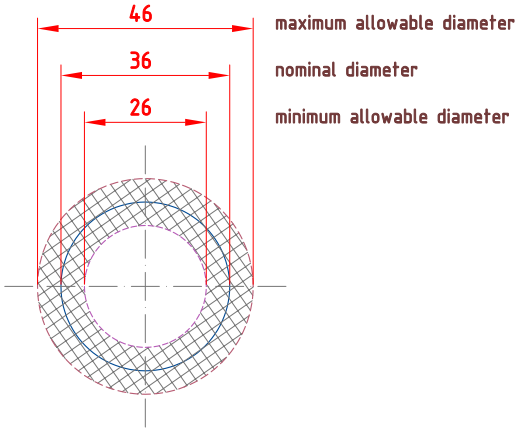
The nonsense of dimensioning

Pic. #2

Six actual diameters

	Tolerance bonus
Bore #1:	14
Bore #2:	12
Bore #3:	8
Bore #4:	6
Bore #5:	4
Bore #6:	2



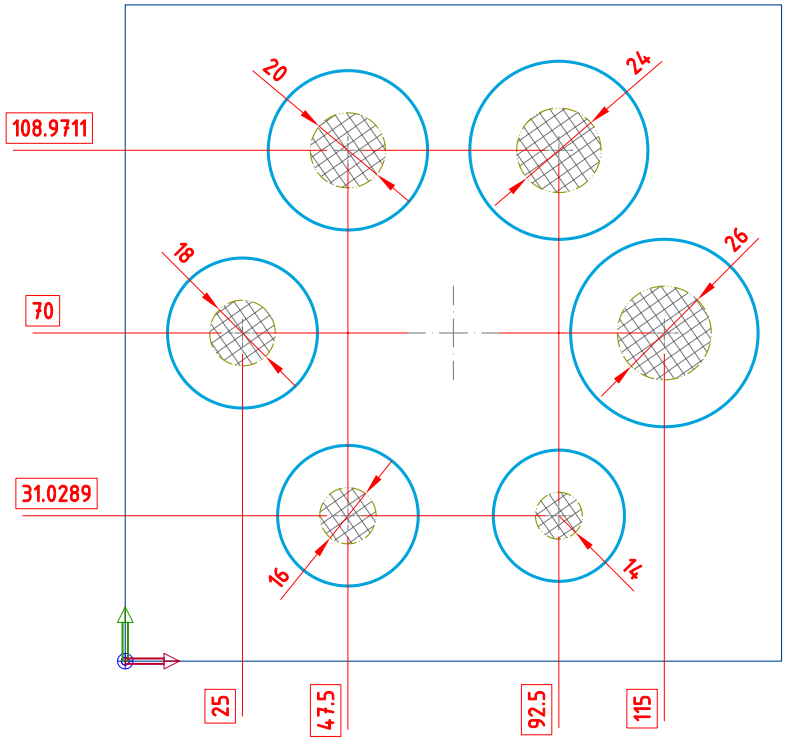


The nonsense of dimensioning

Pic. #3

Six True Position tolerances

	Tolerance bonus	Tolerance accord. plott	Tolerance overall
Bore #1:	14	12	26
Bore #2:	12	12	24
Bore #3:	8	12	20
Bore #4:	6	12	18
Bore #5:	4	12	16
Bore #6:	2	12	14

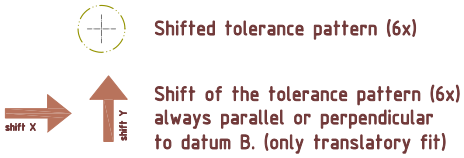


The nonsense of dimensioning

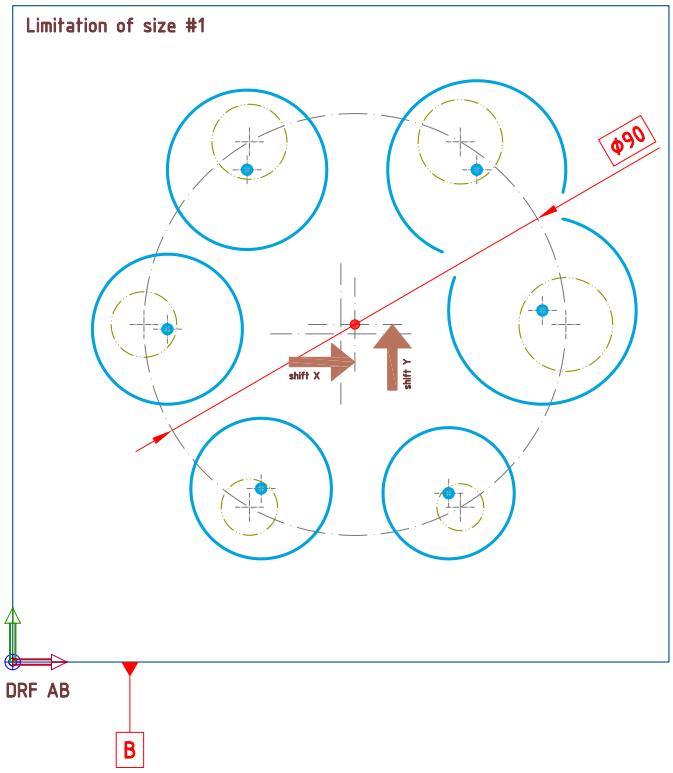
Pic. #4

Form and size of a bore pattern.

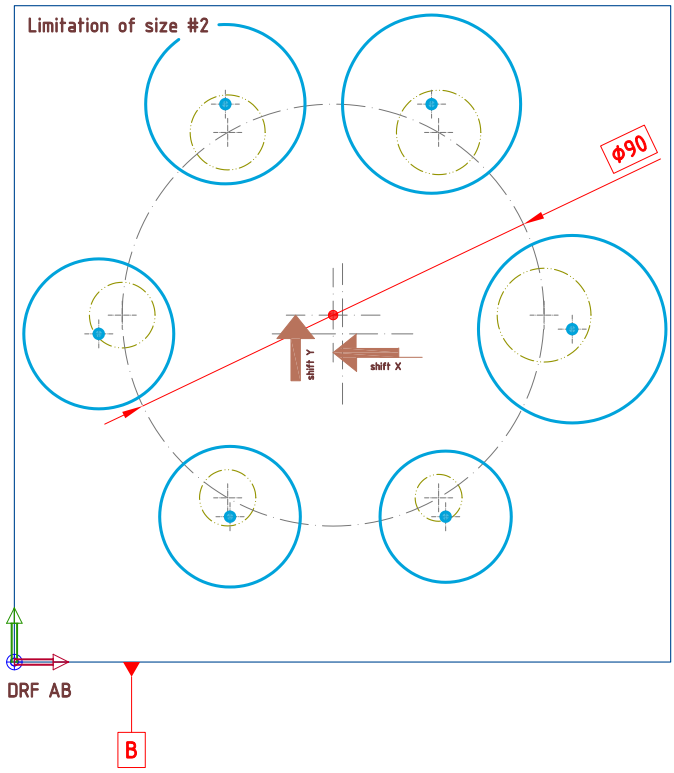
Six actual bore positions



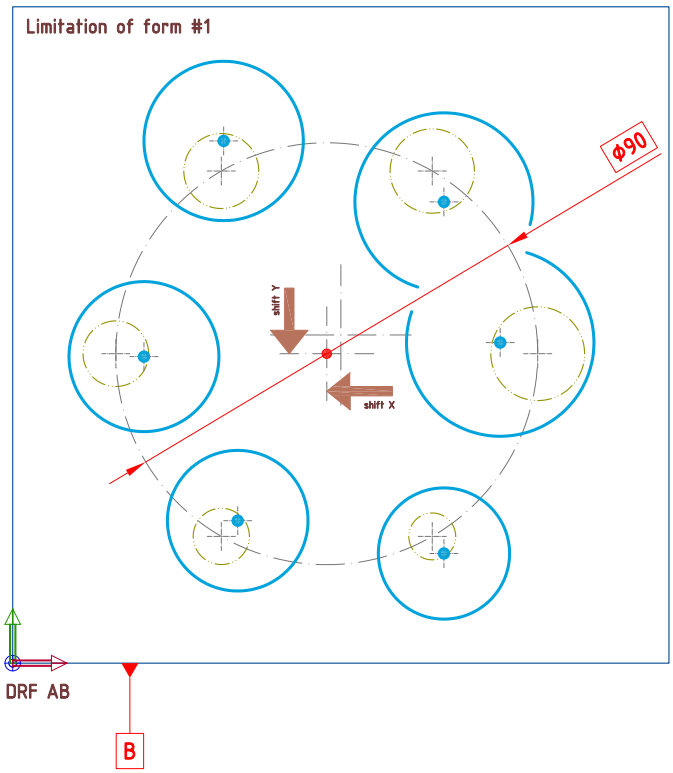
Limitation of size #1



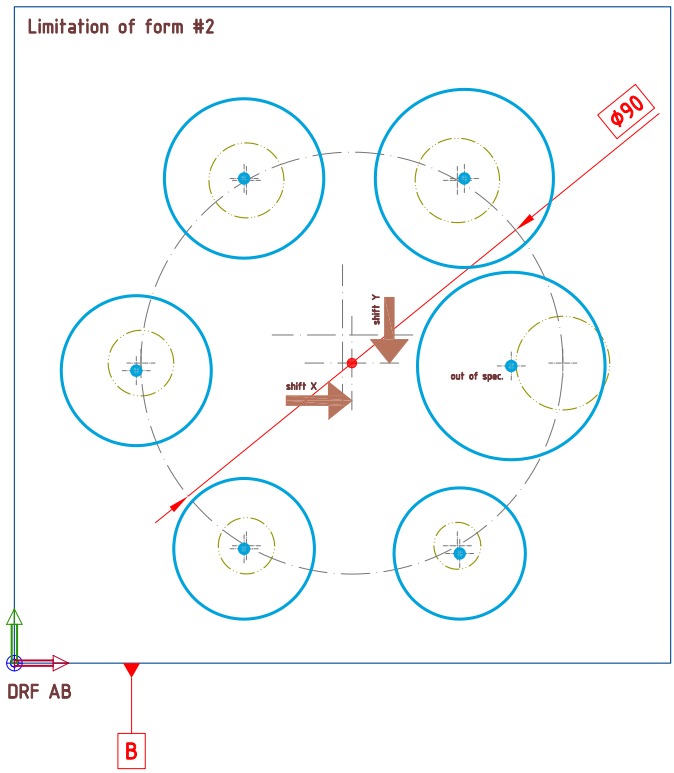
Limitation of size #2



Limitation of form #1



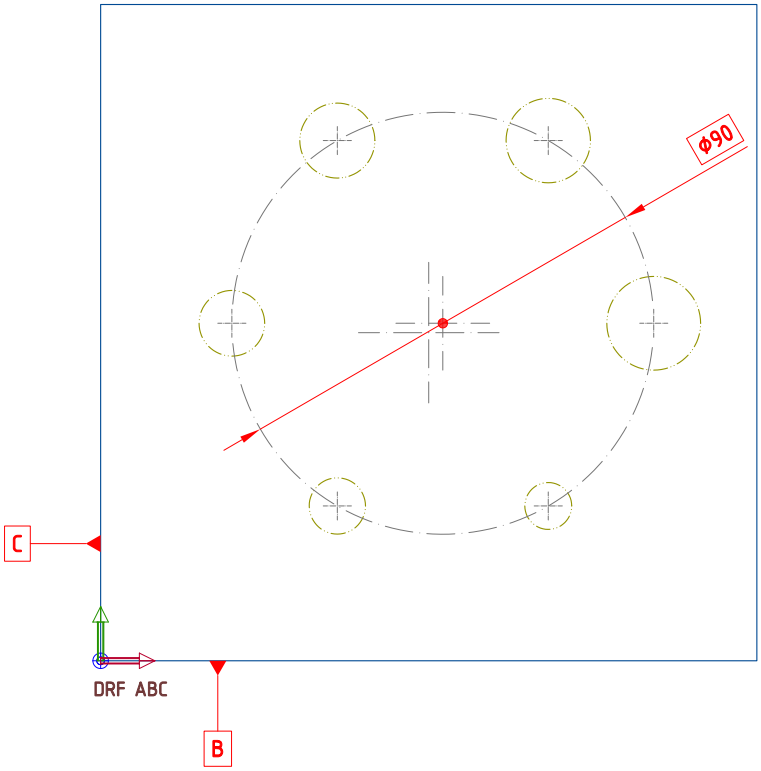
Limitation of form #2



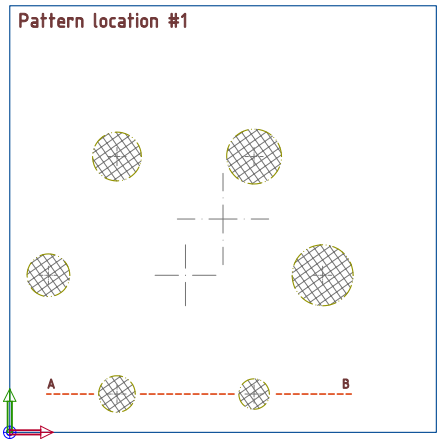
The nonsense of dimensioning

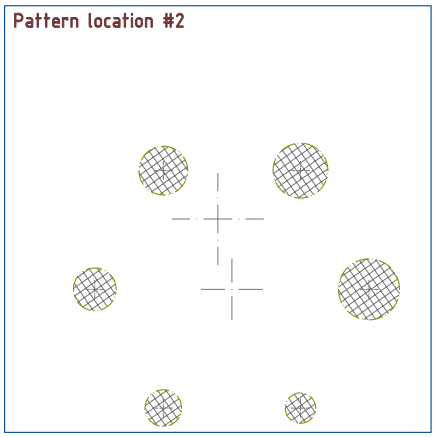
Pic. #5

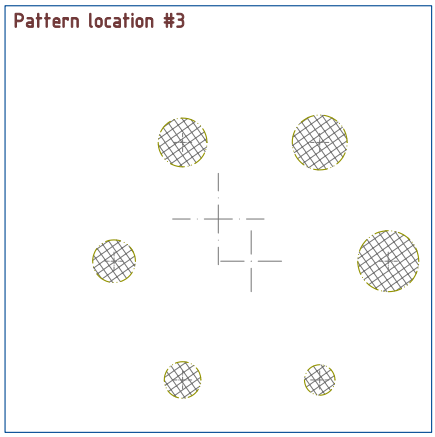
Different locations of a tolerance pattern.



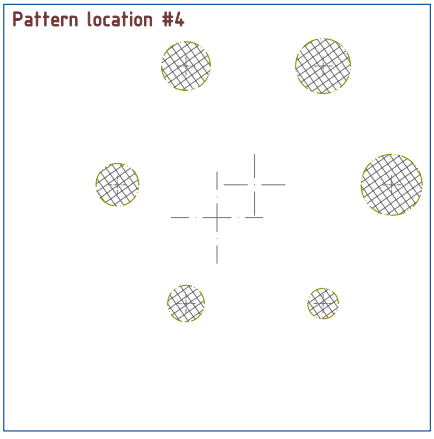
Two degrees of freedom still unstopped!

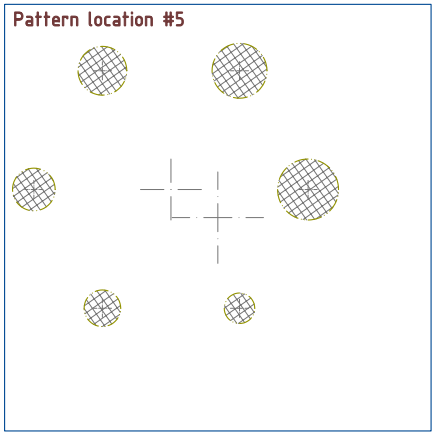


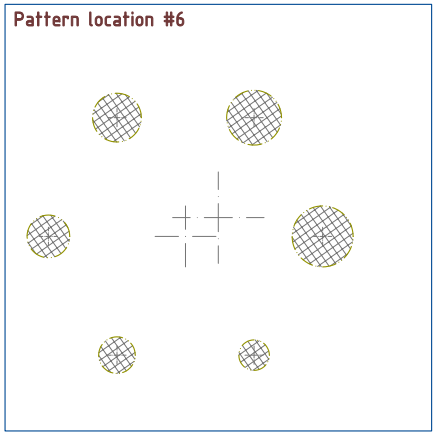




Line A-B always parallel to datum B.





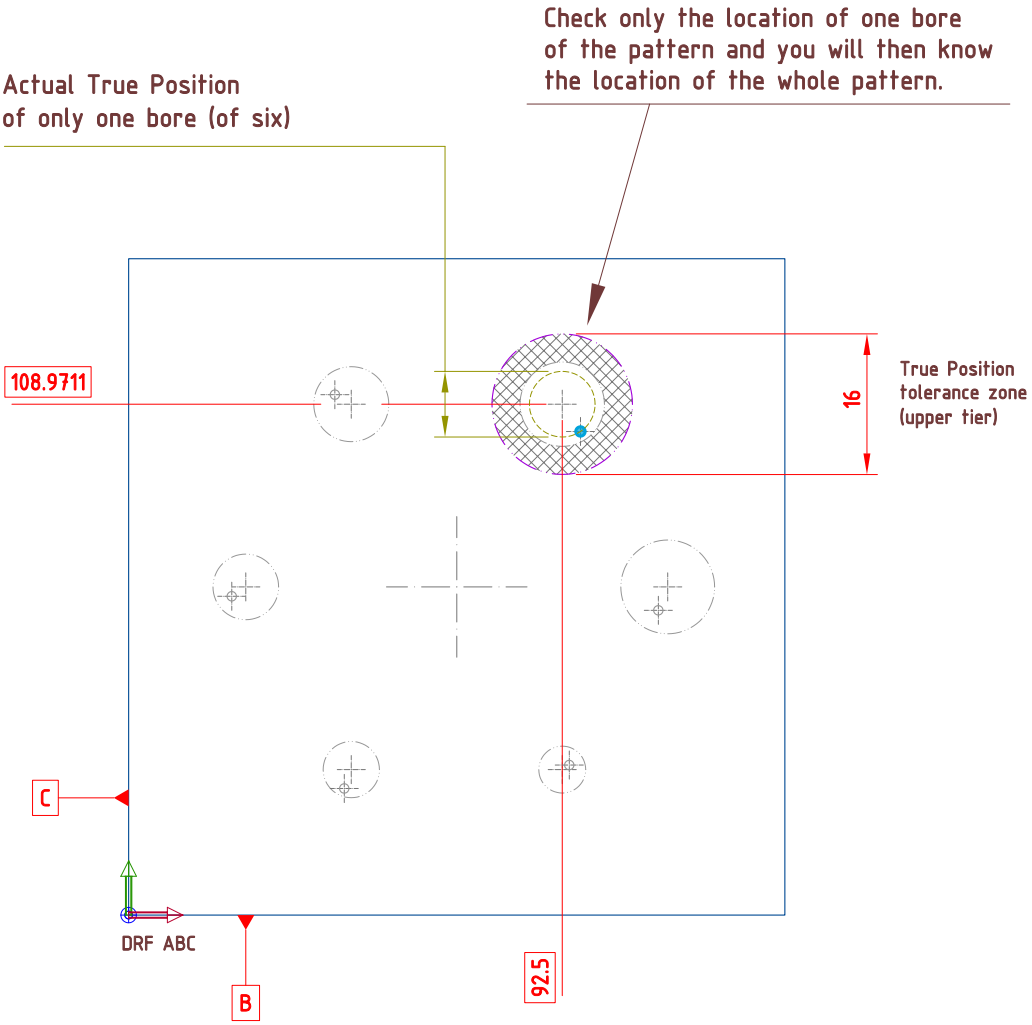


The nonsense of dimensioning

Pic. #6

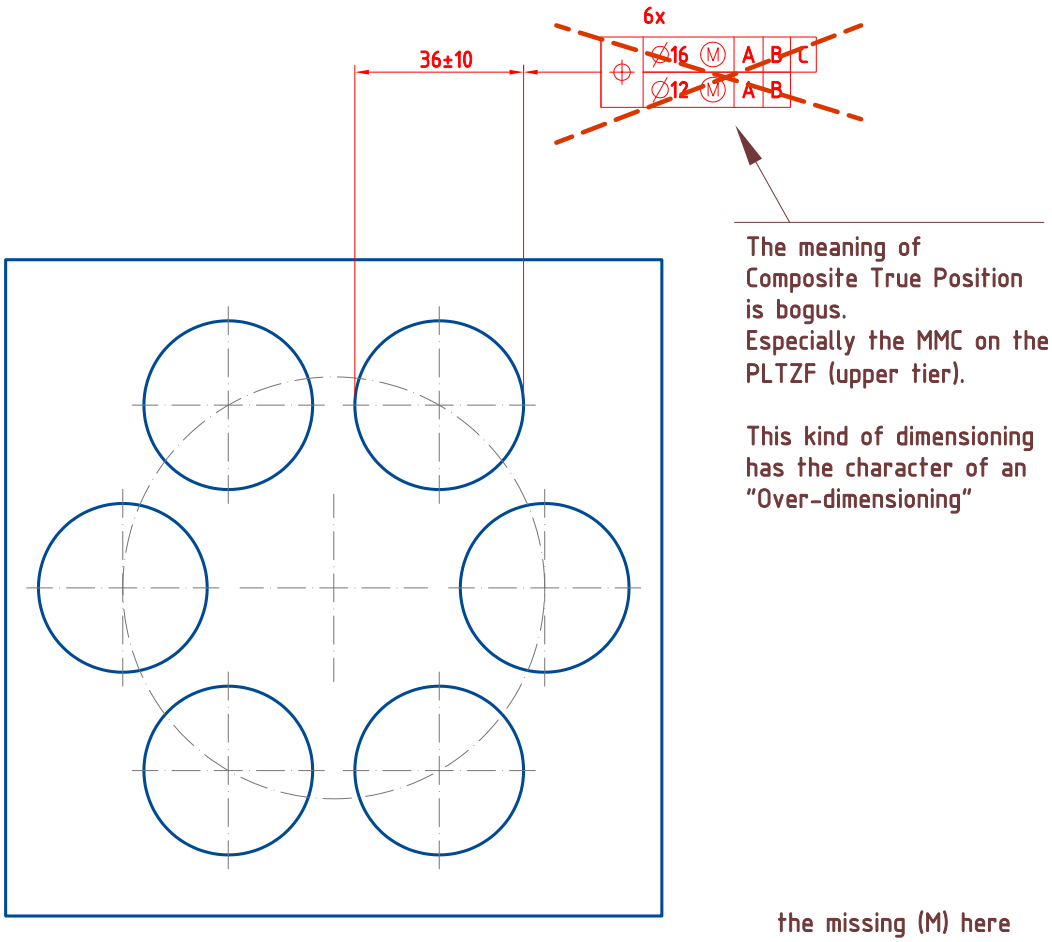
Stopping the last two degrees of freedom.

One actual bore position



The nonsense of dimensioning

Pic. #7



The sense of dimensioning