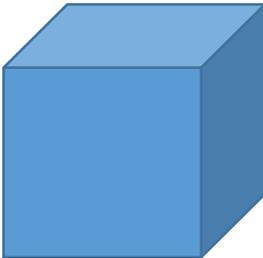


Gd&t and model based (MBD) drawing. I am new on MBD and want to make it very simple when I make drawings. The material in my 3d-CAD model is steel. My dimensions in the 3d-model are 100x100x100mm. See my 2d-drawings below. What will I get (final product) if I mark the drawing like this, according to No:1, No:2, No:3 and No:4. I think No:4 is most correct. What about No:1 – No:3? Do I even need the edge symbol?

No:1



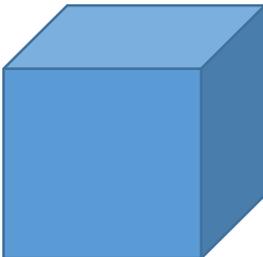
Unless otherwise specified:
untoleranced dimensions are basic.
The following applies to the 3d-model geometry.

Surfaces:  1

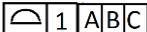
Edges:  1

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No:2



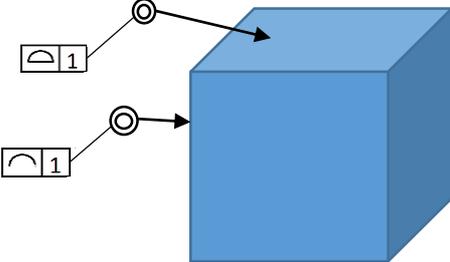
Unless otherwise specified:
untoleranced dimensions are basic.
The following applies to the 3d-model geometry.

Surfaces:  1 ABC

Edges:  1 ABC

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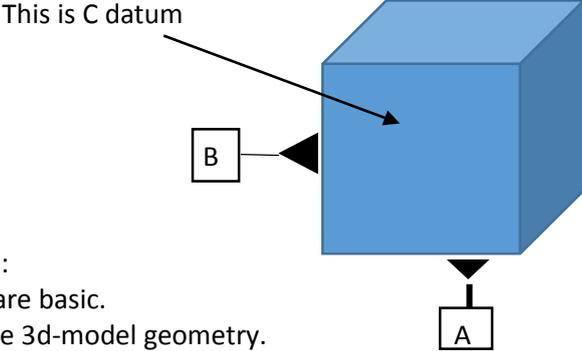
No:3



Unless otherwise specified:
untoleranced dimensions are basic.
The following applies to the 3d-model geometry.

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No:4



This is C datum

Unless otherwise specified:
untoleranced dimensions are basic.
The following applies to the 3d-model geometry.

Surfaces: $\boxed{\text{⌀}} \boxed{1} \boxed{A} \boxed{B} \boxed{C}$

Edges: $\boxed{\text{⌀}} \boxed{1} \boxed{A} \boxed{B} \boxed{C}$

DWG 123456