Dynamic Smart Assemblies Update

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Dynamic Update technology changes the way assemblies are modified/changed/updated.

Create Update Recalculate Auto Create Manage Assemblies Assemblies Assemblies Assemblies	ManageAssemblies - X Show Primary Assembly
Configuration Files Location Shop Drawing Configurations (SDC) Dynamic Smart Assemblies Update	Show Primary & Secondary Assemblies Isolate Selected Assemblies Unhide Assemblies
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Dynamic Update starts up when Revit is launched. It is not related to the project or Smart Assemblies Configurations. But you have to turn it ON:

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f 'Dynamic Smart	Assemblies Update	is activated, it sta	rts up automati	ically when Revit i	s launched.		
We highly recommo Don't forget to activ	nd you to deactivat ate it again when ne	e 'Dynamic Smar eded.	t Assemblies U	Jpdate once you	have finished w	orking with Sm	art Assemblies.
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If you try to change assembly and Dynamic Update is ON, then the tool will interrupt the changing process and will automatically ask you to take action – create new assembly, update assemblies, etc.

There are two types of assemblies, and they act differently, when making changes to them:

Primary assemblies – main assembly with drawings.

Secondary assembly - copy of primary assembly. It has no drawings.



You can find/select/isolate primary or secondary assemblies quickly through Manage Assemblies window. See help file about Manage Assemblies.



Changes to Primary Assembly, then Dynamic Update is ON.

Add cut/hole to primary assembly and Smart Assemblies will ask you to choose one of the following actions:

Yes – will add hole and update drawings of primary assembly and add holes to secondary assemblies.

No – will add hole to primary assembly, recalculate gravity point location, and move it to the new place, will not update drawings, will add holes to secondary assemblies.

Cancel - will cancel operation and will not insert hole.



Add details/rebars to primary assembly and select command Update Assembly – drawings of Primary assembly will be updated and new details will be added to the secondary assemblies.



Changes to Secondary Assembly, then Dynamic Update is ON

Add cut/hole to secondary assembly, and Smart Assemblies will ask you to choose one of the following actions:

Yes – will add hole and create drawings of new primary assembly. It will give a new name to assembly according to the Mark value of main element. If this name already exists – it will give a unique name.

No and show Primary Assembly – will remove hole and highlight primary assembly.

Cancel – will cancel operation and will not insert hole.



Add details to secondary assembly, select primary or secondary assembly and choose command - Update

Assemblies. Smart Assemblies will search if secondary assemblies are the same as primary assembly and will ask you to choose one of the following actions:

Yes – will create a new Primary assembly according to Host element Mark value and create drawings for it. **No** – will remove details.

Cancel - will cancel operation and will not remove details.

