Smart Dimensions - Configs - Dimensioning

Modified on: Fri, 30 Apr, 2021 at 3:07 PM

There are several tabs for dimensioning elements in which you can define how elements on different Faces or directions should be dimensioned.

R Smart Dimensions Configuratio	;								-		×
Configuration : Sdim Wall front	✓ Sav	/e Duplicate	Rename	Delete	Create New				Cont	figuration	Settings
Dimension Lines by Priority	Dimensi	ion 1 Dimension	2 Dimension 3	B Dimension	n 4 Dimension 5	Dimension 6	Dimension 7	Dimension 8			ÐΘ
Walls		ntal Dimensions	Note Settings		On Vertical Side F	aces On Horiz Vertical Din	nensions	On Diagonal			
Structural Framing			Measure mension Lines 🔽	Left and Rig	ht Ref. Planes 🛛 🗡] Meas		Measure ension Lines 🔽	Bottom and Top	Ref. Plane	5 ~
Point & Face Based		nnect from Total Di	_]	v		t from Total Dime		Left		~
Windows		Tex	Text Note t Note Parameter		v]	Text N	Text Note Note Parameter			~
Hosted Point Based		Grouping Group Elements by None None									
Point Based Elemen		Nor			*]					
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In each tab, you can choose from different options. Some of them may vary depending on Category chosen:

Common Settings	Text Note Settings	On Front Faces	On Vertical Side Face	es On Horizontal Side Faces	On Diago	onal Side Faces	
Horizontal Dimensio	ons		Ve	ertical Dimensions			
Mea	sure Width/Position			Measure Height/F	osition 🔽]	
	Measu	ure Location Poi	nt v		Measure	Location Point	×
Je	oin Dimension Lines			Join Dimensio	n Lines 🔽]	
Measure only	First & Last Element			Measure only First & Last E	lement 🗌]	
Disconnect from To	atal Dimension Point	:	D	isconnect from Total Dimensio	n Point 🗌]	
	Dimension Positi	ion By Element	~	Dimensio	n Position	By Element	~
	Text No	ote			Text Note		
	Text Note Parame	ter None	~	Text Note	Parameter	Туре	Ŷ
Grouping							
Group Elements by	None		~				
	None		~				
	None		~				
					Γ	ОК	Cancel

Horizontal Dimensions/ Vertical Dimensions - choose options for vertical and horizontal dimensions

Measure Width/Position - turns ON Horizontal/Vertical dimensioning

Measure - choose to where dimension point should snap

Location Point - will snap to insertion point of Family

Location Line - will snap to location line. Available for line-based elements (Structural Framing, Pipes, etc.).

Left/Right Edge - will snap to the edges of solid body in the Family

Reference planes - will snap to reference planes which are inside Family. Reference planes should be set to Left/Top/Center etc.

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Other		_
ls Reference	Тор	
Defines Origin		

Model lines - will snap to model lines, which are inside Family. Model lines should be perpendicular to dimension line string in the view.

Join Dimension Lines - if OFF, each element will have its own dimension line. That's why it's usually ON, to have fewer dimension strings.

Measure Only First & Last Element - will skip dimensioning of intermediate elements

Disconnect from Total Dimension Point - will give dimension only between measured elements

Dimension Position - select from available options where to place them

Left/Right/Top/Bottom - dimensions will be placed at selected side, outside of all elements, to be included in Total Measure

By Element - dimension will be placed at nearest side

By Measure - dimension will be placed at position of dimensioned element

Text Note - enter value for text note. Works with Text Note Settings. (See relevant help file.)

Text Note Parameter - select parameter, which should be added as a note to the dimension line. Works with Text Note Settings. (See relevant help file.)

Grouping - group dimension lines by selected parameter of elements on selected Face.