# Smart Dimensions - Configs - Common Settings

Modified on: Fri, 12 Jun, 2020 at 10:51 AM

R Smart Din	nensions Configurations	- 🗆 X
Configuratio	on : Sdim configs	Save Duplicate Rename Delete Create New Configuration Settings
Dimension Lin	nes by Priority	Common Settings Text Note Settings Horizontal Elements Vertical Elements Element Sections Diagonal Elements
F	Structural Framing (Dim 1)	Grouping Group Elements by None   Filter by :
		None v
	Point & Face Based Details	None v
	(Dim 1)	Include
•	Point Based Elements	Include in Total Measure And And And Include Grids Include Levels Grids Filter by :
		Dimension Lines by Priority None v
	Structural Framing (Dim 2)	Join Dimension Lines v
55		Horizontal Elements
	Structural Framing (Dim 3)	Element Sections     And     v       Diagonal Elements     Eiter by t
55	Structural framing (Dim 3)	Join Dimension Lines
	Point & Face Based Details (Dim 2)	Category Structural Framing (Dim 1) Point & Face Based Details (Dim 1)
$\bigcirc$		Point Based Elements )
	~	Filter Material
	DITE DITE	OK Cancel

Grouping - dimension lines may be grouped by selected parameter





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## Filtering - use Filter by parameter or by Material

R Smart Dimensions Configurations - 🗆 🗙							
Configuration	n : test	Save Duplicate Rename Delete Create New	Configuration Settings				
Dimension Lin	es by Priority	Common Settings Text Note Settings On Front Faces On Vertical Side Faces	On Horizontal Side Faces On Diagonal Side Faces				
	Walls	^ Grouping Filtering					
	- Cuily	Group Elements by None	Filter by :				
		None v Type	Туре				
		None					
	Point & Face Based Details (Dim 1)						
		Dimension Type					
		Dimension Type Arrow - 2.5mm Arial ~ And	¥				
	Structural Framing (Dim 1)	Include					
25		Filter by a	· · · · · · · · · · · · · · · · · · ·				
_		Include Grids None	¥				
	Structural Framing (Dim 2)	Measure All	v				
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<u>AV</u>		Measure Elements in Front View					
		Measure All Y	¥				
	Structural Framing (Dim 3)	Dimension Lines by Priority Filter by :					
		Join Dimension Lines None	×				
	Point & Face Based Details (Dim 2)	On Front Faces	•				
		On Vertical Side Faces					
		On Horizontal Side Faces					
		Join Dimension Lines	rial				
	Point & Face Based Details (Dim 3)	Category	· · · · · · · · · · · · · · · · · · ·				
		Walls					

Only one Type of elements is dimensioned by using 'Filter by':



# Include

*Include in Total Measure* - if ticked ON, this category will be included in Total measure. Also tool will measure from this category to other elements.

Example of measuring Columns and Walls in the View. Total Measure box is not checked:

R Smart Dimensions Configurations								
Configuration : walls columns elevation	Ý	Save	Dup	licate	Rename		elete	
Dimension Lines by Priority		Common Sett	ings	Text No	te Settings	Eleme	nts In V	iew
Walls	^	Grouping Group Eleme	nts by	None None				
Columns		Dimension Ty	pe /pe	None	2.5mm Arial			
Structural Framing (Dim 1)	Include Include in Total Measure Include Grids							
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10469		ł		4820		400 七十	2800	400 

But if 'Total Measure' is ticked for Column and Wall, then Total measure will extend over both of these Categories.

# R Smart Dimensions Configurations

Configuration : walls columns elevation	Save Duplicate Rename Delete Creater			
Dimension Lines by Priority	Common Settings Text Note Settings Elements In View			
Walls	Grouping Group Elements by None			
Columns	Dimension Type Dimension Type Arrow - 2.5mm Arial			
Structural Framing (Dim 1)	Include Include Grids			
Structural Framing (Dim 2)	Measure All			



*Include Grids* - will measure from elements of this Category to the Grids, but Grids should be selected to be measured as well

R Smart Dimensi	ons Configurations		
Configuration :	columns in plan	<ul> <li>Save</li> <li>Duplicate</li> <li>Renard</li> </ul>	me Delete C
Dimension Lines by	/ Priority	Common Settings Text Note Setting	gs Elements In View
Colu	umns	Grouping	
U		Group Elements by None	
		None	
Grid	ds	None	
ō++		Dimension Type	
· · ·		Dimension Type Arrow - 2.5mm A	Arial
_1.	els	Include	
Stru	uctural Framing (Dim 1)	Measure All	
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R Smart Dimensions	Configurations		- 0
Configuration : co	lumns in plan v	Save Duplicate Rename Delete	Create New Configuration S
Dimension Lines by Pri	ority	Common Settings Text Note Settings Elements In V	View
Column	is	Horizontal Dimensions Measure Width/Position	Vertical Dimensions Measure Height/Position
U		Measure Location	Line
<sub>♀♀</sub> Grids		Join Dimension Lines 🔽	Join Dimension Lines 🔽
#		Measure only First & Last Element	Measure only First & Last Element
Levels		Disconnect from Total Dimension Point	Disconnect from Total Dimension Point
1/6	1 1		Dimension Position
		, T	
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#### Smart Dimensions - Configs - Common Settings : AGACAD

*Include* Levels - will measure from elements of this Category to the Levels, but Levels should be selected to be measured as well

### Measure

All - measures all elements

Intersecting elements - measures only elements intersected by view plane.

All except intersecting elements - measures only elements not intersected by view plane.



**Measure Elements in Front View** - available for Point & Face Based Details. Allows to measure All visible Face Based Details or only those who are on Front or Back face in that View.

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Smart Dimensions - Configs - Common Settings : AGACAD

	Point & Face Based Details	Dimension Type Arrow - 2.5mm Arial ~
	(Dim 1)	Include
		Include in Total Measure
		Include Grids
	Point & Face Based Details	Include Levels
	(Dim 2)	Measure All Y
		vieasure Elements in Front View
-	Point & Face Based Details (Dim 3)	Measure All Y
		All
		Front
		Back
		On Front Faces
16.	Hosted Point Based Details	

**Dimension Lines by Priority** - drag & drop selected item to change which dimension should be closer to the measured elements. Also, you can join dimension lines of selected items.

	Point & Face Based Details (Dim 1)	Include Grids	۷
		Measure Elements in Front Vie	ew
	Point & Face Based Details	Measure All	~
	(Dim 2)	Dimension Lines by Priority	
			Join Dimension Lines
		On Front Faces	$\mathbf{V}$
	Point & Face Based Details (Dim 3)	On Vertical Side Faces	$\mathbf{V}$
		On Horizontal Side Faces	
- T		On Diagonal Side Faces	
		×	

Example of joined vertical dimensions for Front and Vertical Side hosted families:



Join Dimension Lines - it will join dimension lines for selected categories

R Smart Dimensions Configurations

Configuration : walls columns elevation v		Save	Duplicate	Rename	Delete Cre	ate New		
Dimension Lir	nes by Priority	Common Sett	tings Text No	te Settings	Horizontal Elements	Vertical El		
	Walls	Grouping						
	Walls	Group Eleme	ents by None			v Fil		
$\supset$			None					
			None					
Θ	Columns		None			* <u>n</u>		
U		- Dimension Ty	уре					
		Dimension T	ype Arrow -	2.5mm Arial		~ A		
	Structural Framing (Dim 1)					(		
47		Include		7		Fil		
		Include in To	tal Measure 🚺	1 1		N		
		Include Leve	ls 🗌	]				
	Structural Framing (Dim 2)	Measure A	All			v n		
22		Dimension Lines by Priority						
					Join Dimension L	ines A		
	Structural Framing (Dim 3)	Horizontal E	lements			Eik		
47	Structural Hanning (Dim 5)	Vertical Elements						
		Element Sec	N					
		Diagonal Ele	ements			n		
	Point & Face Based Details	Join Dimensi	on Lines					
			Category			)		
			Walls			~		
~	Point & Face Based Details		Columns					
	(Dim 2)	Structural Framing (Dim 1)						
$\bigcirc$			Structural Fram	ing (Dim 2)				
			Structural Fram	ing (Dim 3)				
	Point & Face Based Details		Point & Face Ba	ised Details ([	Dim 1)			
$ \rightarrow $	(Dim 3)	F	Point & Face Ba	sed Details (I	Dim 2)	$\sim$		