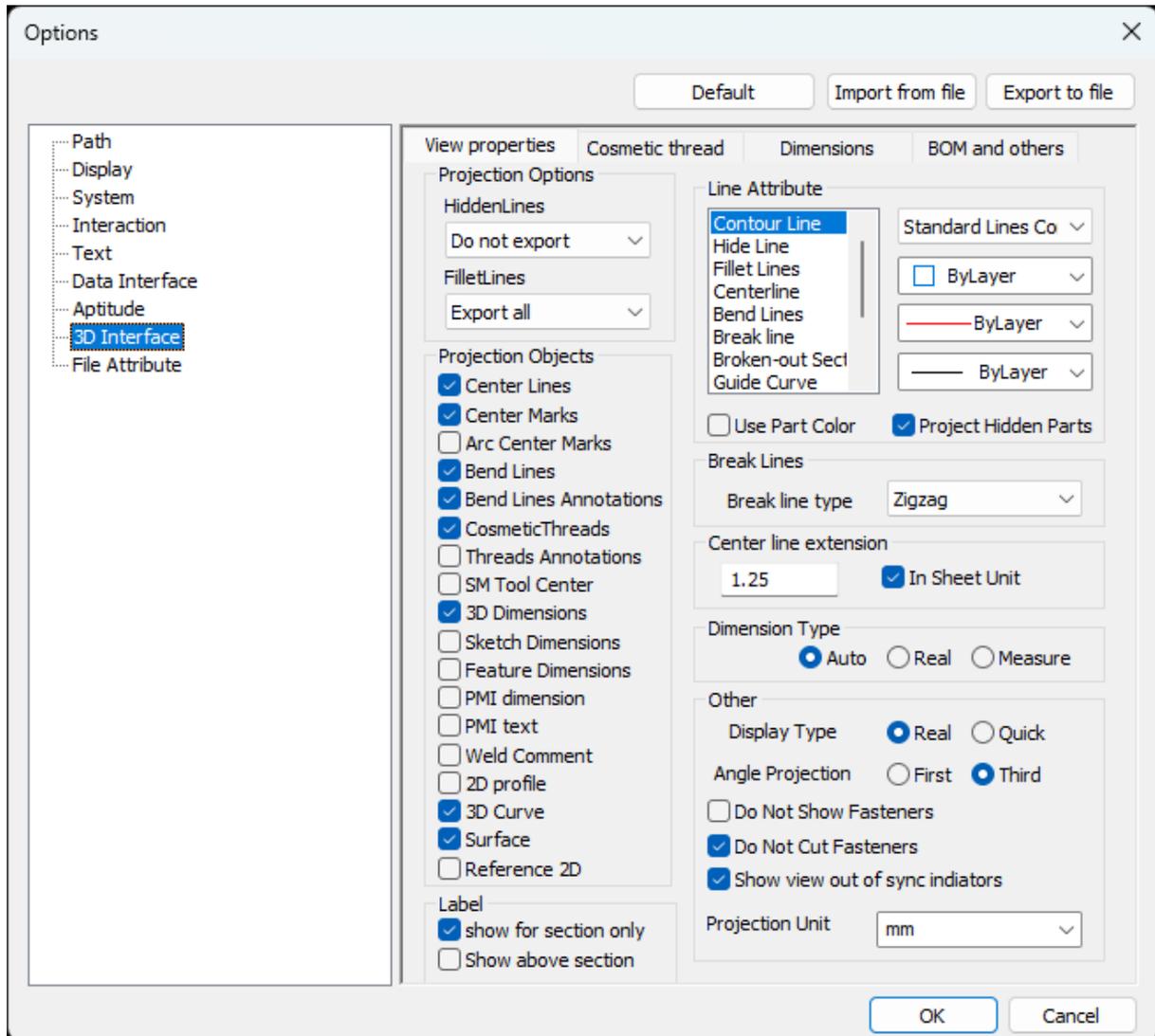


IRONCAD (CAXA) DRAFT - OPTIONS – 3D INTERFACE – LINE ATTRIBUTES

The following image is of the “Options” dialog box, and “3D Interface” section. These “Global Settings” relate to “Generated Views” of models from the 3D Scene. Similar settings can be found and edited within “View Properties”.

Note that it’s necessary to have a drawing open that contains the “Styles” (Layers, Linetypes) that you want to apply within these “Global Settings”. If at any time CAXA can’t find the selected “Styles” in the current drawing, it will revert to it’s default settings.



Generally speaking the line attributes (Colour, Linetype, Width) should be set to “ByLayer”.

Regarding Sheet Metal Bend Lines there are both “Upward Bends” and “Downward Bends”. The following automatic “Bend Line” settings should be used for “Upward Bends”. To help distinguish “Downward Bends”, after these are generated, manually place these onto the “Standard Lines Dash Double Dot LW3” layer using the “Edit Curve Property” tool.

There are instances in which CAXA doesn't display the set line attributes as expected, and other instances where it isn't obvious what setting CAXA is using. Regarding those instances notes have been added below.

Line Attribute	Layer	Line Colour	Linetype	Width
Bend Lines	Standard Lines Dash Dot LW3 <i>Manually put "Downward Bends" onto <u>Dash Double Dot</u> LW3</i>	ByLayer	ByLayer	ByLayer
Break Line	Standard Lines Continuous LW3 (Solid Layer)	ByLayer	ByLayer	ByLayer
Broken-Out Section	<i>IRONCAD ignores selections and uses the "Contour Line" settings.</i>	ByLayer	ByLayer	ByLayer
Centerline	Standard Lines Center LW3 (Centerline Layer)	ByLayer	ByLayer	ByLayer
Contour Line	Standard Lines Continuous LW5 (Thick Solid Layer)	ByLayer	ByLayer	ByLayer
Cosmetic Threads	Standard Lines Continuous LW3 (Solid Layer)	ByLayer	ByLayer	ByLayer
<i>Crop View Boundary</i>	<i>These use the same settings as those used for "Break Lines".</i>			
<i>Detail View Border (and Leader)</i>	<i>During view creation CAXA uses the Solid Layer (Standard Lines Continuous LW3). After creation, the desired Line Attributes can be selected via the Properties Panel.</i> <i>It would be better to use the same Line Attributes as the "Detail View Boundary" during creation.</i>			
Detail View Boundary	Standard Lines Continuous LW3 (Solid Layer)	ByLayer	ByLayer	ByLayer
Fillet Lines	Standard Lines Continuous LW3 (Solid Layer)	ByLayer	ByLayer	ByLayer
Guide Curve (new to 2023)	Standard Lines Center LW3 (Centerline Layer) <i>This is supposedly for Sweep Guide Curves. But within 2023 PU1 this still isn't functioning.</i>	ByLayer	ByLayer	ByLayer
Hatching	Standard Hatching LW3 (Hatch Layer)	ByLayer	ByLayer	ByLayer
Hide Line	Standard Lines Hidden LW3 (Dash Layer)	ByLayer	ByLayer	ByLayer