

Attribute	Implementation agreements
IntersectingAxes	Two intersecting grid axes. They should not intersect at more than one point.
OffsetDistances	(Optional) Offset values may be given to set an offset distance to the grid axis for the calculation of the virtual grid intersection.
	If attribute OffsetDistances is omitted, the intersection defines the placement or ref direction of a grid placement directly. If OffsetDistances are given, the intersection is defined by the offset curves to the grid axes

IfcGridAxis

Attribute	Implementation agreements
AxisTag	OPTIONAL. Tag name for this grid axis
AxisCurve	Underlying curve which provides the geometry for this grid axis. Should be a subtype of <u>IfcCurve</u> .
SameSense	Defines whether the original sense of curve is used or whether it is reversed in the context of the grid axis. <u>IfcBoolean</u> entity.
Example: Part21 file #25=IFCCARTESIANPOINT((0.,0.)); #26=IFCCARTESIANPOINT((9.144,0.)); #27=IFCPOLYLINE((#25,#26)); #28=IFCGRIDAXIS('A-1',#27,T.); #29=IFCCARTESIANPOINT((0,9.144)); #37=IFCCPOLYLINE((#25,#29));	

#37=IFCPOLYLINE((#25,#29)); #38=IFCGRIDAXIS('A-1',#37,.T.); #90=IFCGRIDPLACEMENT(#91,\$); #91=IFCVIRTUALGRIDINTERSECTION((#28,#38),(0.,0.));

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