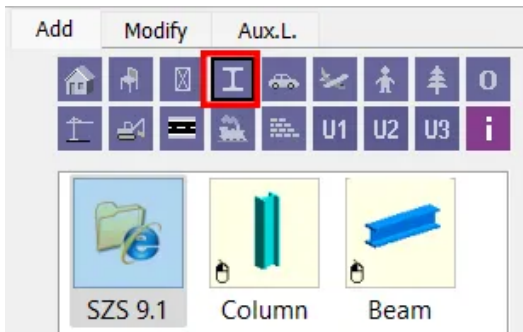# 5.32 Metal construction

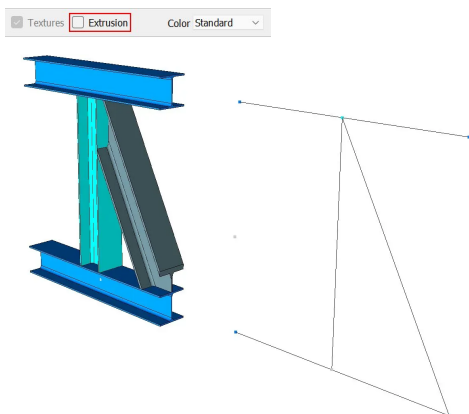There are 2 ways to add a metal profile from the catalog
1. By 2 points L
2. By Drag & Drop

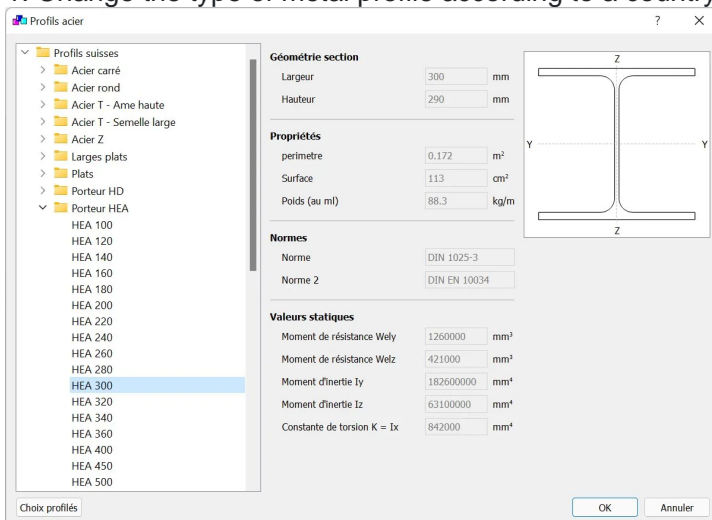
Regarding the placement of the elements:
Pillar (IFC Column) = always vertical // Beam (IFC Beam) = always horizontal // Beam
(IFC Member) = any orientation

It is possible to work either with axes ("Extrusion" option unchecked) or with volumes
("Extrusion" option checked)

The "Edit" menu also allows you to:
1. Change the type of metal profile according to a country database

2. Give a tilt angle
3. Define overlengths

Bar (Member lme)

Type	Metal shape CH ⌄
Profile	Metal shape CH
length	Rectangle
Angle	Circle
Cut	Ellipse
	Trapezoid
⊞ **Pset_MemberCom**	Tube
⊞ **Advanced**	User-defined

Note: "Stretch" and "Cut" functions applied on volumes do not affect the axes (they remain joined at the level of nodes)