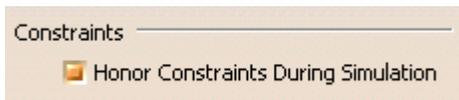


General

This page deals with the options concerning:

- [Constraints](#)
- [Analyses](#)
- [User Walk Speed](#)
- [AutoWalk Specifications](#)
- [Collision Free Walk Attributes](#)

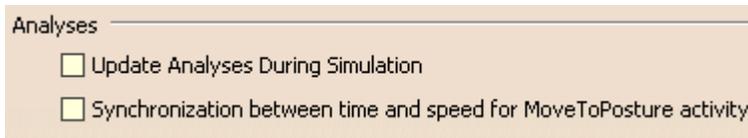
Constraints



Constraints are used to constrain some segments of the worker to parts or tools in its environment. When a MoveToPosture is created, position constraints are also stored from selected segments to selected 3D objects in the environment.

▶ By default, this option is activated.

Analyses

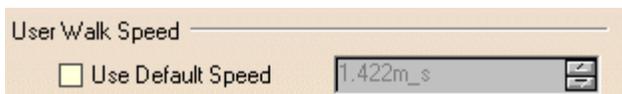


If you have set up analyses, i.e., collision, band width, or distance, use this option to update these analyses during simulation.

This option enables to represent the time of human motion as accurately as possible in a HumanTask such that you can estimate the overall time without using a real worker and real products in the process planning and detailing phase. Activate this option to achieve synchronization between Time and Speed basis during the definition of MoveToPosture activity.

▶ By default, this option is not activated.

User Walk Speed



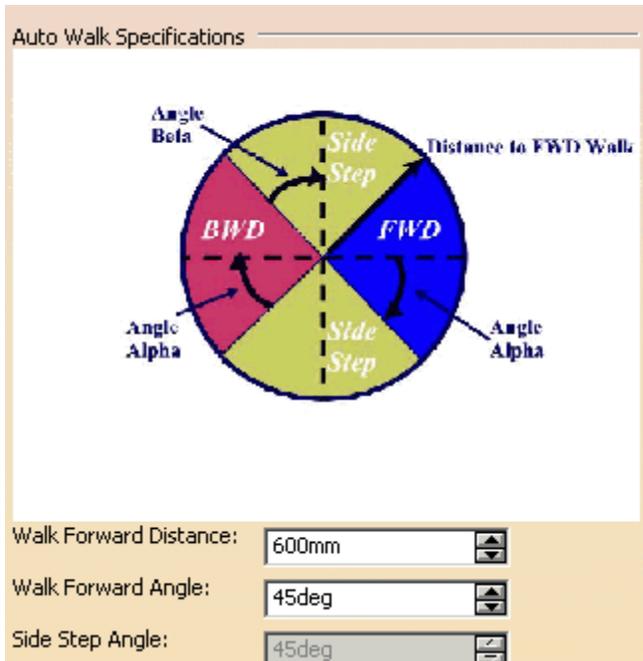
If you require a default speed for the Walk Activities, you can set the walk speed in the settings for Human Task Simulation (Tools->options) product.

The default speed will then be automatically used at the time of creation of walk and motion basis will be set as time for WalkForward, WalkBackward and SideStep. This enables you to

specify a standard walk speed for all walk activities created.

▶ By default, this option is not activated.

AutoWalk Specifications



▶ The Walk Forward Distance default is 600 mm.

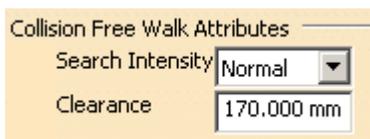
▶ The Walk Forward Angle default is 45 degrees.

Accept the default 600mm for the Walk Forward Distance or set the value as desired. Input new values for the Walk Forward Angle or accept the default 45deg.

The minimum possible distance for an auto-forward walk is 600 mm. Thus, any distance of 600 mm or greater will automatically be calculated as a forward walk. Distances less than 600 mm will be created as backward walks or sidestep walks depending on the angle between one walk point and the next.

You can set both the forward walk angle and the backward walk angle from 0 to 90 degrees. Sidestep angles are auto-calculated based on the the angles resolved from the forward walk.

Collision Free Walk Attributes



Each time a Walk Activity gets created, the collision free walk attributes as defined in the above settings panel will be shown in the walk dialog.

Set the Search Intensity and Clearance tolerance as required.

The Walk dialog will be modified to include the following options –

Ignore collision with input field– You can specify the objects with which collision can be ignored. Typically, this option is provided to include movable objects like areas, etc. These objects can either be selected in the PPR tree or from the 3D viewer. Selecting an already selected object will remove the object from the list. Each time an object against which collision can be avoided is added, the **Compute** button has to be clicked to reflect the changes in the collision free walk path.