

PickClampFromStorage(cid)

RFL Robot - Free Motion

Bring docking adapter to approach **Clamp(cid)** at its Storage Location.

RFL Robot - Linear Motion

Insert docking adapter into tool-side.

TC

Docking Adapter - Lock Tool

Lock tool to robot kinematic chain.

Clamp(cid) - Open Hanging Gripper

Release itself from the storage pad.

Robotic Arm - Linear Motion

Pull clamp out of storage pad, step 1.

Robotic Arm - Linear Motion

Pull clamp out of storage pad, step 2.

PlaceClampToStorage(cid)

RFL Robot - Free Motion

Bring **Clamp(cid)** to approach its Storage Location.

RFL Robot - Linear Motion

Move **Clamp(cid)** to its storage pad, step1.

RFL Robot - Linear Motion

Move **Clamp(cid)** to its storage location, step2.

TC

Docking Adapter - Unlock Tool

Unlock tool from robot kinematic chain.

Clamp(cid) - Close Hanging Gripper

Lock itself onto the storage pad.

Robotic Arm - Linear Motion

Pull docking adapter away from tool.