

## GRASPING PROTOCOL

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Purpose	To test successful grip of a object set inspired by activities of daily living (ADL)
Task Description	Pick up, Hold 5s, Controlled Rotation 180°, Controlled put down in initial pose
Constrains	Maximum 10 tries for grasping successfully/ Grasping until first success.
Object set	Subset of YCB object set
Subject/ Operator Description	The person with the maximal expertise in using the prosthesis

ID 1:

YCB ID 6: Master Chef Coffee Can	Description of the grasping environment: Resting on completely on a solid surface
	Desired Grip: Cylindrical Grip
	Initial poses of the objects: Upright Standing



ID 2:

YCB ID 13: Plastic Apple	Description of the grasping environment: Resting on completely on a solid surface
	Desired Grip: Spherical Grip
	Initial poses of the objects: Upright Standing



ID 3:

YCB ID 27: Spoon	Description of the grasping environment: Laying in the bowl YCB 25
	Desired Grip: Tripod Pinch
	Initial poses of the objects: Laying concave in the bowl



ID 4:

YCB ID 25: Bowl	Description of the grasping environment: Resting on completely on a solid surface
	Desired Grip: Lateral Pinch
	Initial poses of the objects: Laying concave



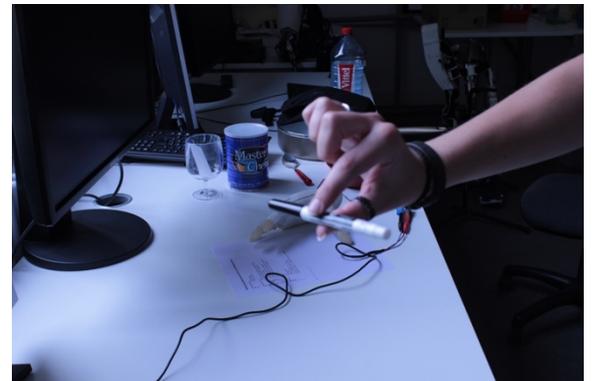
ID 5:

YCB ID 32: Skillet	Description of the grasping environment: Resting on completely on a solid surface
	Desired Grip: Diagonal Volar Grip
	Initial poses of the objects: Laying concave



ID 6:

YCB ID 37: Small Marker	Description of the grasping environment: Resting on completely on a solid surface
	Desired Grip: Pulp Pinch
	Initial poses of the objects: Laying



ID 7:

YCB ID 75: Black Tshirt	Description of the grasping environment: 80% on a solid surface, 20% hanging of the table edge
	Desired Grip: Extension Grip
	Initial poses of the objects: Laying on the surface, folded



ID 8:

YCB ID 33: Skillet Lid	Description of the grasping environment: Resting on completely on a solid surface
	Desired Grip: Hook
	Initial poses of the objects: Laying convex

