## GRIPPER ASSESSMENT BENCHMARK

Reference No / Version	B-GA-0.1				
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Adopted Protocol	Gripper Assessment Protocol (P-GA-0.1)				
Scoring	<ul> <li>Fill the attached table with the following rules:</li> <li>For each set points, and for each object category other than articulated objects:</li> <li>After step 5 of the procedure, if the object is not dropped and if no visible motion of the object is detected within the gripper during steps 4 and 5, the gripper gets 2 points. If the object is not dropped, but visible object motion is detected during steps 4 and 5, the gripper gets 1 point.</li> <li>If the object is still not dropped after step 7 and no visible motion of the object is detected within the grip during steps 6 and 7, add 2 more points. If the object is not dropped, but visible object motion is detected during steps 6 and 7 add 1 point. Write the score to the corresponding cell.</li> <li>For articulated objects:</li> <li>If no part of the object is touching the table after step 5, the grasp is considered successful. Add 0.5 points for each successful grasp.</li> </ul>				
Details of Setup	Detailed descriptions of the gripper (or a reference that provide detailed descriptions).				
Results to Submit	<ul> <li>Scoring table (attached to the benchmark)</li> <li>Detailed comments on: <ul> <li>The advantages of the gripper.</li> <li>The disadvantages of the gripper.</li> <li>Reasons for the failed grasps.</li> </ul> </li> </ul>				

Scoring Table for Gripper Assessment					
Gripper name/model:					
Manufacturer:					
Name/Institution:					
Contact info:					

		SP1	SP2 (x offset)	SP3 (y offset)	SP4 (z offset)
Round Objects	Soccer Ball				
	Softball				
	Tennis ball				
	Racquetball				
	Golf ball				
	Marble XL				
	Marble L				
	Marble M				
	Marble S				
Flat Objects	Washer 1 (largest)				
	Washer 2				
	Washer 3				
	Washer 4				
	Washer 5				
	Washer 6				
	Washer 7 (smallest)				
	Credit card				
Tools	Pen				
	Scissors				
	Hammer				
	Screwdriver				
	Driller				
	Peg XL				
	Peg L				
	Peg M				
	Peg S				
Articulated	Chain				
	Rope				