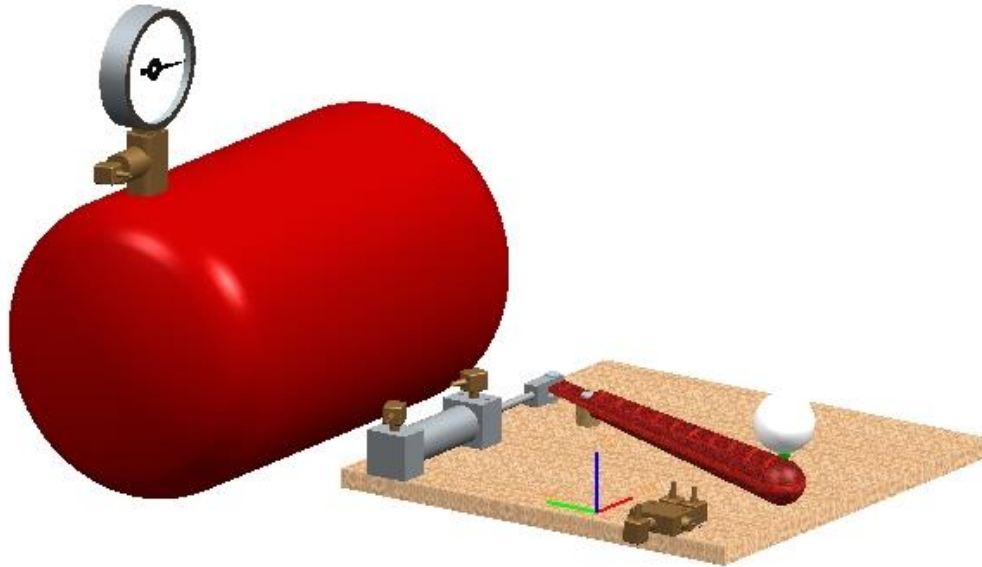


Pneumatic Baseball Bat



Parts List

Plywood	1	15" x 15" x .625" thick
Baseball bat	1	modeled to fit application
Baseball	1	ball of suitable size to accommodate application
Golf tee	1	standard golf tee (trimmed to suit)
Pin	2	clevis or other pin adequate for actuator
Bat support	1	spool or round stock of suitable length
Clippard pneumatic actuator	1	.500 dia. x 2" – 3" stroke double-acting actuator
Clippard pneumatic valve	1	4-way, 3-position, manually actuated valve
Clippard barbed fittings and elbow	5	elbows suitable for valve and actuator ports
Clippard pneumatic tubing	5 feet	pneumatic tubing suitable for barbed fittings
Assorted fasteners to secure parts to mounting board		

The swing of the bat will dictate the desired stroke of the cylinder. These actuators are available in many various configurations. The image shown on the previous page is provided as a guide and suggested configuration.

Vary air pressure to adjust ball trajectory and distance.

Outcomes for Pneumatic Bat Project

Student will:

1. Gain experience in selecting appropriate parts for project.
2. Be exposed to and understand the operation of a mechanical linkage.
3. Gain understanding of pneumatic actuators and valves.
4. Gain understanding of characteristics inherent to pneumatic systems.
5. Observe and understand varying pneumatic pressures and their speed and effect on pneumatic systems.

fittings: SP0-4-PKG



Catalog:	View Catalog Page
Drawings:	Click to see drawing A
Description 1:	fittings
Description 2:	1/8" NPT to 1/8" ID Hose Swivel
Package Quantity:	5
List Price:	\$ 9.70 Dollars per unit EXCLUDES FREIGHT, TAXES AND DUTIES (IF APPLICABLE)
Quantity:	<input type="text" value="1"/>
Extended Price:	\$ 9.70

Clippard Instrument Laboratory, Inc.

513.521.4261 or Toll Free
877.245.6247

ROESSEL

	Sku	Quantity	Price	Extended Price	Delete
1.	USR-12-4	<input type="text" value="2"/> unit(s)	\$ 22.68	\$ 45.36	<input type="checkbox"/>

UPS Ground

PLEASE NOTE
Consignee is responsible
for all customs, duties and sales
tax.

Shipping (ZIP Code) Destination:

Please note: All orders ship from Cincinnati, OH.

Sub Total:	\$ 45.36
Shipping:	9.68
Handling:	10.00
Grand Total:	\$ 65.04

Please consider contacting the Clippard distributor in your local area for quantity pricing, customer service, and application assistance:

ROESSEL

ROESSEL & COMPANY, INC.

(more offices)

Address:
199
ROCHESTER
NY
14613-1593

Phone:
Fax:

Website: <http://www.roessel.com>

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