

As Built: Double-ended Can Crusher

List of Materials			
Stand	2	plastic sawhorses	Harbor Freight
Cylinder Bed	4	3/4 inch x 6 foot All-thread	Lowe's
	4	3/8" x 5 1/2" x 7 1/4" steel plate	Iron/Steel Dealer
	40	3/4" nuts	Lowe's
Cylinder	1	15' of 4" PVC pipe	Irrigation Supplier
	2	Slip-Thread 4" PVC couplings	Irrigation Supplier
	2	4" Thread x 3" Slip PVC reducer	Irrigation Supplier
	2	3" Slip x 1 1/2" Thread PVC reducer	Irrigation Supplier
	2	1 1/2" Thread x 1 1/4" Slip PVC reducer	Lowe's/Home Depot
	2	1 1/4" Slip x 1" Slip PVC reducer	Lowe's/Home Depot
	1	Threaded compression PVC repair splice for 3/4" PVC	Lowe's/Home Depot
	2	3/4" PVC Street els	Lowe's/Home Depot
	2	3/4" threaded PVC nipples	Lowe's/Home Depot
	2	3/4" Brass female NPT x 3/4" female hose thread adapter	Lowe's/Home Depot
Shaft	1	3/4" x 44 1/4" All-thread	Lowe's
	4	3/4" nuts	Lowe's
	4	3/4" slip PVC caps - ends drilled to 3/4"	Lowe's/Home Depot
	2	1 1/2" x 3" diameter Aluminum shaft - 3/4" threaded hole	Metal Supplier
	2	1/2" x ~4" diameter plastic pistons with 3/4" in holes in center	Plastic Supplier
	2	19" x 3/4" PVC pipe	Lowe's/Home Depot
	4	3/4" O-rings	Lowe's/Home Depot
4-Way Valve	4	3/4" electric sprinkler valves	Lowe's/Home Depot
	1	120VAC - 12Volt power supply	Lowe's/Home Depot
		sufficient 12 volt wires for hook-up	Lowe's/Home Depot
	1	3/4" - 4-way manifold	Irrigation Supplier
	3	3/4" - 2-way manifold	Irrigation Supplier
	4	3/4" PVC Street els	Lowe's/Home Depot
	2	3/4" PVC threaded plugs	Lowe's/Home Depot
	4	3/4" manifold caps	Irrigation Supplier
	3	3/4" Brass female NPT x 3/4" female hose thread adapter	Lowe's/Home Depot
	3	Gauges plus tubing and adapters if using them	Lowe's/Home Depot
	1	3/4" Brass female NPT x 3/4" male hose thread adapter	Lowe's/Home Depot
		3/4" hose, plus male and female hose to thread adapters	Lowe's/Home Depot