

THANK YOU TO [HOOSIER PATTERN \(Decatur, IN\)](#) and [AT FERRELL \(Bluffton, IN\)](#)

For those of you that still would like to help with the Scholarship Project. We could still use a sponsor for the Fasteners (See Below)

For Material, as long as it is close to the specs, it will work for us. Basically, what local companies use for material is what we try to use for our projects. Keep in mind though we don't have a lot of carbide tooling

Brass: 360 Brass, **Aluminum:** 6061-T6511, **Stainless Steel:** Easy to Machine/Corrosion Resistant/Nice Polish

	Part	Material	Size	Feet Needed	
PMT2-0001	Cylinder Holder and Cr	Aluminum	5" diameter	6.5	AT Ferrel
PMT2-0002	Cylinder	Aluminum	1 X 0.75	48	Hoosier Pattern
PMT2-0003	Piston	1045 Steel	0.625 Round	12	AT Ferrel
PMT2-0004	Piston Guide	Brass	1.0 Diameter	24	Hoosier Pattern
PMT2-0005	Connecting Rod Union	Stainless Steel	1" diameter	12	Hoosier Pattern
PMT2-0006	Crankshaft	Stainless Steel	1.625 Diameter	12	AT Ferrel
PMT2-0007	Con Rod End	Brass	0.25 Diameter	24	Hoosier Pattern
PMT2-0008	Air Cover	Aluminum	3.0 Diameter	3	Hoosier Pattern
PMT2-0009	Flywheel	Aluminum	2.25 Diameter	12	Hoosier Pattern
PMT2-0010	Base	Aluminum	3/4" x 4.0"	40	Hoosier Pattern
PMT2-0011	Cylinder Pin	Stainless Steel	0.3125 Diameter	36	Fine Line Machine
Misc	MT-2 Project	1018 Steel	1/4" Diameter	48	Hoosier Pattern
Misc	Plug Material	Aluminum	1/4" diameter	12	Hoosier Pattern
Misc	MT-1 Project	Brass	1.375	24	Hoosier Pattern

The Following are MSC part numbers: www.mscdirect.com

1	75748061	032 O-Ring 1.875 ID x 2.000 OD	12.30	12.30
1	75748111	037 O-Ring 2.500 ID x 2.625 OD	15.15	15.15
1	05667068	8-32 SHCS 5/8" Long	6.60	6.60
3	67562280	8-32 BHCS 5/8" Long	8.35	25.05
10	67561720	4-40 BHCS 1/4" Long	5.12	51.20
3	93037042	6-32 Set Screw 3/16" Long Cup Point	3.26	9.78
3	93037141	4-40 Set Screw 1/8" Long (would prefer 1/16" Long)	2.84	8.52
1	06023071	3/16" Dowel Pin 3/4" Long	12.77	12.77
3	06022172	1/8" Dowel Pin 1.75" Long	17.98	53.94
3	06022057	1/8" Dowel Pin 1/2" Long	11.36	34.08
3	06022107	1/8" Dowel Pin 1" Long	12.66	37.98
11	06981211	Compression Spring	4.74	52.14
				\$319.51