

Item

TRANSMISSION
x guide shafts
y guide shafts
z guide shafts
x drive shaft
guide shaft bearings
drive support bearing
x drive pulley
idlers and z drive pulleys
y drive pulley
Ball bearings
x axis coupler
idler & support shaft
shaft collar
xyz belts

CHASSIS
Acrylic
Belt Tension Screws
Tension inserts
Belt clamp screws
small inserts
medium inserts
base pad inserts
base pad
shim washers
thumb screw
Screws to fasten acrylic
Square nuts to fasten acrylic

ELECTRONICS
Motors
Hub

Dual Syringe TOOL
plunger rod
plunger connector
gear on syringe drive
gear on tool motor
material drive bearing

Fab@Home Model 2.0 Single Syringe Tool

Description

10 (-.005/-0.014) mm Dia, 375mm Long, 416 ST. Steel Shaft
10 (-.005/-0.014) mm Dia, 300mm Long, 303 ST. Steel Shaft
10 (-.005/-0.014) mm Dia, 280mm Long, 303 ST. Steel Shaft
6 (-.004/-0.012) Dia, 400mm Long, 303 ST. Steel Shaft
Self Lubricating Bronze Bearing 10.02mm Bore 15.9mm Panel Hole diameter
Self Lubricating Bronze Bearing 6.02mm Bore 14.5 mm Panel Hole diameter
GT (2mm) Pitch, 18 Teeth, Aluminum alloy Timing Pulley
GT (2mm) Pitch, 15 Teeth, Aluminum alloy Timing Pulley, 6mm length
GT (2mm) Pitch, 15 Teeth, Aluminum alloy Timing Pulley, 9mm length
Flanged- no shield ball bearing. 4mm Bore Dia. 8mm Outer Diameter, Stainless/ISO 6, Beacon 325 Lubrication
Rigid Coupling with bores of 4 / 6MM on Opposite Sides
4 (-.004/-0.012) Dia, 25mm Long, 303 ST. Steel Shaft
4MM Bore, 8MM O.D., 5MM WIDE, STEEL/Zinc. PLATE, COLLAR STYLE
3 mm GT2 Pitch, 6mm Wide, Open ended Neoprene Belt

Cast Acrylic 6mm thick sheet 24"x36" White
Metric 18-8 SS Button Head Socket Cap Screw M4 Size, 16 mm Length, .7 mm Pitch
Metric Brass Threaded Insert for Thermoplastic Tapered, M4x.7 Internal Thread, 4.7mm Length
Metric Class 12.9 Socket Head Cap Screw Alloy Stl, M2.5 Thread, 16mm Length, 0.45mm pitch
Metric Brass Threaded Insert for Thermoplastic Tapered, M2.5-.45 Internal Thread, 3.4mm Length
Brass Threaded Insert for Thermoplastics Tapered, 6-32 Internal Thread, .150" Length
1/4-20 brass threaded inserts; 0.3inch length
Rubber Foot; 1/4-20 X1/2inch thread; 1inch diameter 25lb rated
Stainless Steel washers .016" thick .15"ID .27"OD
#6-32 thumb screw 1/2" length
#6-32 Button head hex socket, 1/2" long 18-8 stainless steel
#6-32 Flat Square Nut; Steel; 5/16inch OD; 7/64inch thick

SM062 motor
snap hub (SM-HUB6)

Metric Class 4.6 Plain Steel Threaded Rod, M3 size, 1 meter length, .5 mm Pitch, 140mm req'd
Metric 18-8 SS Round Knurled Thumb Nut, M3 screw, 12mm Head Dia, .5mm Pitch
6mm bore, 28mm pitch dia. 16mm hub dia.
4mm bore, 28mm pitch dia. 16mm hub dia.
mm Bore, 6mm Outside Dia., 440C Stainless / ISO 6 Ball bearing, lube with Grease (Beacon 325)

Purchase from	Product #	Cost Per Unit	Min order	Quantity	Sub Total
SDP/SI	S40PX0MHGAM-375	\$25.02	1	2	\$50.04
SDP/SI	A 7X 1M100300	\$19.11	1	2	\$38.22
SDP/SI	S40PX0MHGAM-280	\$19.48	1	2	\$38.96
SDP/SI	A 7X 1M060400	\$10.57	1	1	\$10.57
SDP/SI	A 7Z41MPSB10M	\$1.53	1	12	\$18.36
SDP/SI	A 7Z41MPSB06M	\$1.32	1	3	\$3.96
SDP/SI	A6A51M018DF0606	\$9.53	1	2	\$19.06
SDP/SI	A6A51M015DF0604	\$9.46	1	5	\$47.30
SDP/SI	A6A51M015DF0904	\$9.59	1	1	\$9.59
SDP/SI	A 7Y 5MF0804G	\$8.33	1	10	\$83.30
SDP/SI	A 5X 9M0406	\$8.91	1	1	\$8.91
SDP/SI	A 7X 1M040025	\$3.15	1	6	\$18.90
SDP/SI	A 7C 2M108040	\$1.85	1	2	\$3.70
SDP/SI	A 6R51MC060	\$9.30	1	4	\$37.20

McMaster	8505K957	\$45.23	1	3	\$135.69
McMaster	92095A194	\$0.10	100	4	\$9.94
McMaster	94180A351	\$0.13	100	4	\$12.78
McMaster	91290A106	\$0.13	100	16	\$12.63
McMaster	94180A321	\$0.09	100	16	\$9.25
McMaster	93365A130	\$0.11	100	51	\$11.04
McMaster	93365A160	\$0.33	25	4	\$8.33
McMaster	9377K53	\$1.36	1	4	\$5.44
McMaster	90945A715	\$0.02	250	25	\$4.49
McMaster	91882A227	\$2.56	1	1	\$2.56
McMaster	92949A148	\$0.05	100	150	\$9.94
McMaster	94855A115	\$0.01	100	150	\$2.00

saelig	SM062	\$160.00	1	4	\$640.00
saelig	SM-HUB6	\$160.00	1	1	\$160.00

McMaster	98861A040	\$1.57	1	1	\$1.57
McMaster	90368A150	\$1.62	1	5	\$8.10
SDP/SI	A 1P 2MYD08035D	\$8.53	1	1	\$8.53
SDP/SI	A 1P 2MYD08035B	\$8.53	1	1	\$8.53
SDP/SI	A 7Y 5MFSS0603G	\$14.12	1	1	\$14.12

COST	
Total	\$1,453.01
Electronics subtotal	\$800.00
Chasis subtotal	\$224.09
Transmission subtotal	\$388.07
Tool subtotal	\$40.85
# of parts	495
# of parts (w/o screws)	195