

Tuning Knob Parts List – M3 Metal

Identifier	Part description	Source
A	M3 x 5.5mm nut	RS Stock No. 560-293
B	Bourns Optical encoder ENS1J-B28-L00064L Or Bourns Optical encoder ENS1J-B28-L00256L Or Bourns optical encoder ENS1J-B28-L00100L Or Bourns optical encoder ENS1J-B28-L00128L	Mouser: 652-ENS1J-B28L00064L Mouser: 652-ENS1J-B28-L256L Mouser: 652-ENS1J-B28L00100L Mouser: 652-ENS1J-B28-L00128L
C	Rotary encoder nut	Comes with Part B
D	Plain Washer, M3	RS Stock No.: 287-4015
E	3/8" Flat washer for M10 screw, 10mm ID x 18mm OD x 5mm length	Amazon: https://www.amazon.ie/dp/B0F7LK793B
F	Plate 60 × 60 × 2 mm aluminium	AliExpress: HomeDIYer store under the heading: Aluminum Plate Solides Thickness 0.3mm-2mm Aluminum Alloy Square Plate Polished Plate Sheet 50x50mm/600x600mm
G	Not used	
H	M3 Hex bar, 50mm + 6mm	Amazon: https://www.amazon.ie/dp/B0BWXL5NMM
I	Rigid shaft coupler: 6.35mm to 6.35mm	AliExpress: LZXHRardware store under the heading 45# Steel Rigid Shaft Coupling Connector 3/4/5/6/6.35/7/8/10/12mm Motor Coupler Set Screw for 3D Printer CNC Robotics DIY
J	1/4" OD x 60mm long Brass Solid Round Rod Needs to be cut to size.	Amazon: https://www.amazon.ie/dp/B07JCNZ5CR Comes in a pack of two with each a length of 14"
K	Not used	
L	Pillow Block Bearing for 6.35 mm Diameter Shaft	AliExpress: JUGETEK Official Store under the heading 2pcs/lot, Pillow Block Bearing for 5/6/6.35/ 7/8/10/12.7mm Diameter Shaft
M	Pozi M3 x 6mm Countersunk Machine Screws	Amazon: https://www.amazon.ie/dp/B08W8LDCZG
N	Pozi M4x12mm Countersunk Machine Screw	RS Stock No: 553-425
O	M4 nut	RS Stock No: 122-4401
P	Plate 60 × 60 × 2 mm aluminium	See F.

Q	Racal Tuning Knob	Racal Finger Indent Tuning Knob collet fix onto 1/4" 6.35mm Shaft Jab Dog Electronics at EBay: https://www.ebay.ie/itm/141366270095
R	Plain Washer, M4	RS Stock No.: 287-4032
S to Z	Not used.	