

ELITE ACTIVE PEDALS

PREMIUM DIY SIM RACING FFB PROJECT

— by DIY SIM STUDIO —

BILL OF MATERIALS

Important note:

This is a list of parts to purchase for a **single pedal**; if you wish to build two or three, simply **multiply the quantities by two or three**.

This list includes only the essential **mechanical parts** requiring machining (primarily laser cutting), as well as the **screws**.

You can consult these two documents to complete this bill of materials:

- **Fixed Part Assembly.pdf (A3 Sheet)**
- **Mobile Part Assembly.pdf (A3 Sheet)**

Some parts require bending; you can find them in STEP format, and the bending instructions are included in the **"Folding Guide - A3 PDF Sheet"** folder.

MANDATORY PARTS

Name of the file	Quantity
Mobile Part - 3mm Thickness	2
Foot Plate Support - 3mm Thickness	1
Axis Mortise - 3mm Thickness	1
Foot Plate	1
Mobile Part Support - 3mm Thickness <i>Folding required (see "Folding Guide - A3 PDF Sheet" folder)</i>	1
Top Side Arm - 3mm Thickness	2
Top Side Arm - No Hole Mortise - 3mm Thickness	1
Top Side Arm - Load Cell Mortise - 3mm Thickness	1
Axis Washer - 2mm Thickness	10
Bottom Side Arm - 3mm Thickness	2
Bottom Side Arm - Load Cell Mortise - 3mm Thickness	1
Bottom Side Arm - No Hole Mortise - 3mm Thickness	1
Rail Mount - 3mm Thickness <i>Folding required (see "Folding Guide - A3 PDF Sheet" folder)</i>	1
KK60 Rail Spacer - 8mm Thickness	1

OPTIONAL PARTS

Name of the file	Quantity
Pedal Cover - Brake/Throttle/Clutch - 1mm Thickness <i>Folding required (see "Folding Guide - A3 PDF Sheet" folder)</i>	1
Back Cover - 1mm Thickness <i>Folding required (see "Folding Guide - A3 PDF Sheet" folder)</i>	1
Full Pedal Cover - 1mm Thickness <i>Folding required (see "Folding Guide - A3 PDF Sheet" folder)</i>	1
6x19x6 Bearing Cover - Quantity 6 - 2mm Thickness	6

SCREWS

Name of the file	Quantity
M6x12 Button Head Bolt	30
M5 Nut for Foot Plate fixing	2
M5x20 Countersunk Bolt	2
M5x20 Bolt	2
M8 x 60 Stainless Steel Pin [link]	2
M5x10	6
608 ZZ Bearing (8mm X 22mm X 7mm) [link] Inner diameter x Outer diameter x Width: 8mm x 22mm x 7mm	2
Lock Collar Block Ring [link] <i>Inner diameter: Ø8mm</i>	3
M8x12 Bolt	2
M6x30 Threaded Round Spacers [link]	5
M6x40 Threaded Round Spacers [link]	11
M6x20 Bolt	2
M5 Washer	2
M5x18 Bolt	4
6x19x6 Ball Bearing [link] Inner diameter x Outer diameter x Width: 6mm x 19mm x 6mm	4

OPTIONAL SCREWS

Name of the file	Quantity
M5x10 Button Head Bolt	6