



Articulated MWO Linebacker Mech

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Summary

This is the MWO Linebacker, Loosely Based on mrhers' Linebacker model. This one has been gone over, arms replaced with...

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This is the MWO Linebacker, Loosely Based on mrhers' Linebacker model. This one has been gone over, arms replaced with better ones, and articulation points added on the feet. Additionally, the entire connection scheme has been re-done to make it dramatically more printable, and the parts gone over to make a little more printable as well.

Print List:

1 Foot, 1 Foot Mirrored

1 Lower Leg, 1 Lower Leg Mirrored

1 Upper Leg, 1 Upper Leg Mirrored

2 Knee Pins

1 Waist

1 Torso (Recommend rotating so the nose points up at about 60 or 75 degrees)

1 Upper Arm, 1 Upper Arm Mirrored

1 Lower Arm, 1 Lower Arm Mirrored

2 Arm Pins

7 Split Joints

Optional - 1 Split Joint Installation Tool. This makes putting in the little split joints much easier, but a 7mm wrench can be substituted if desired.

Printing Instructions -

The joints probably should be PETG as they are designed to flex a little when installed, but the rest of the thing should work fine with PLA. The joints may work in PLA too, but i haven't tested them using it. Use supports, and be careful about orientation when placing the parts on the bed. Also, Note: When printing the split joints, and pins, place the flat face on the side on the bed, as this helps with strength.

Assembly Instructions:

To install the split joints, first put each into a hole with the little lugs inside. Then twist about 90 degrees to lock it in place. The expectation is that it fits in fairly tightly, but If the fit is too tight, or too loose, re-print the split joint, changing the scale by 1 or 2 percent. A second tip on fit up is to use a small peice of paper wedged between the joint and main body when assembling the split joint, in order to tighten up the locking lugs.

Category: Mechanical Toys

Model files



linebacker_upper_leg.stl



linebacker_upper_arm.stl



linebacker_lower_arm.stl



linebacker_knee_pin.stl



linebacker_lower_leg.stl



linebacker_foot.stl



linebacker_waist.stl



split_joint.stl



linebacker_torso.stl



split_pin_removal_tool.stl



linebacker_arm_pin.stl

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