

Arm

Version 1.2.0 · Looked after by the Propulsion team

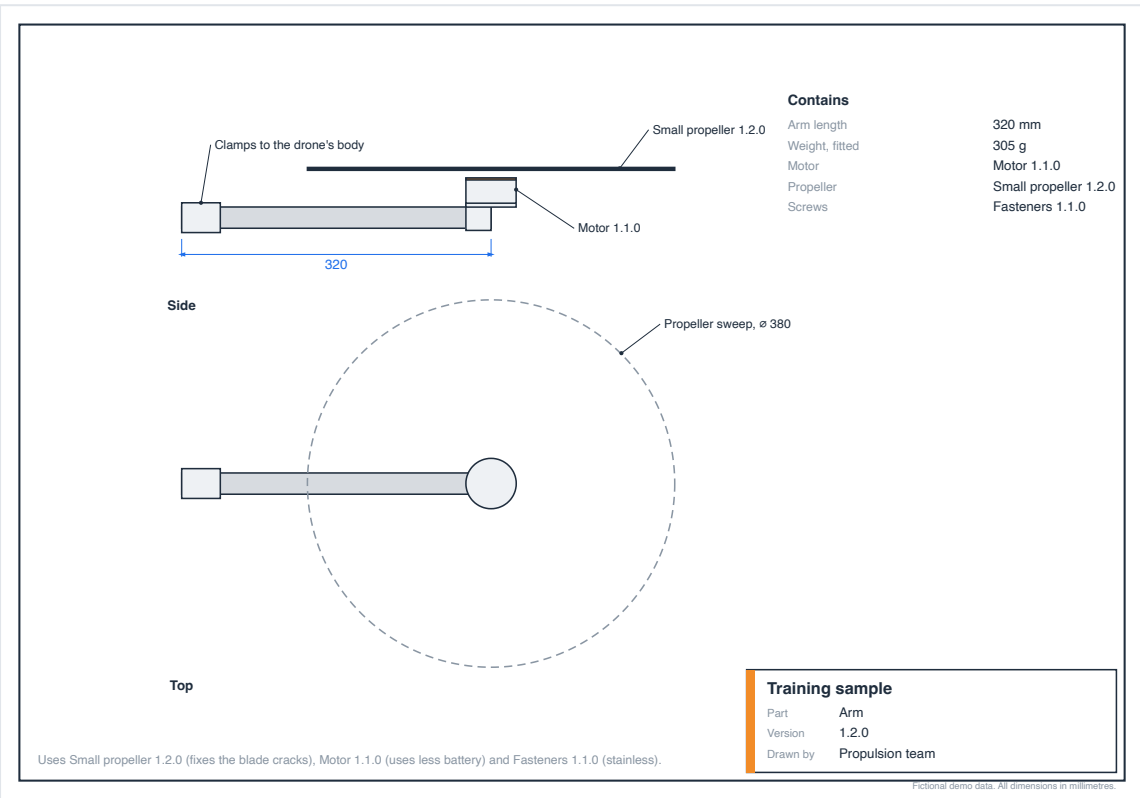
One drone arm with its motor and propeller fitted. The Lab Quadcopter has four.

What changed in this version: Uses Small propeller 1.2.0 (fixes the blade cracks), Motor 1.1.0 (uses less battery) and Fasteners 1.1.0 (stainless).

KEY FIGURES

Length	320 mm
Weight, fitted	305 g

DRAWING



CONTAINS

Subsystem	Version	What it is
Motor	1.1.0	The electric motor that spins a propeller. There is one at the end of every drone arm.
Small propeller	1.2.0	A 38 cm (15 inch) two-blade propeller, sized for the Lab Quadcopter.
Fasteners	1.1.0	The screws, nuts and washers that hold every drone and dock together.

TESTS

Test	Result	Measured
Lifts at least 2.8 kg at full power	Passed	Lifted 3.3 kg
Bends less than 2 mm at full power	Passed	Bent 0.9 mm
Motor stays under 90 °C on a 35 °C day	Passed	Peak 83 °C

EARLIER VERSIONS

- 1.1.0: Uses the lighter Small propeller 1.1.0.
- 1.0.0: First release.

Fictional demo data, not for real use.