

Prop Charts For Model Aeroplane Engines

The 'Starting Prop' sizes are mid-range pitch props that should fly just about any plane designed for that size engine. Use these first as in most cases they will be close to being the correct size. Then use trial and error to try and fine tune the maximum performance from your plane by trying the alternate props. If none work better stick with the recommended starting prop.

Below are some safety items that although seem elementary, still need to be repeated regarding propellers and their use.

- Install the prop with the curved side of the blade facing forward and tighten the prop nut or bolt with the proper size spanner.
- Recheck the tightness of the nut or bolt often, especially on wood props which tend to compress and loosen more often.
- When starting the engine, keep spectators at least 20 feet clear of the model and out of the path of the propeller.
- Keep hands away from the prop as much as possible. Use a chicken stick or an electric starter.
- Keep face and body out of prop arc as engine is started and run.
- Make all adjustments from behind the prop except on pusher prop installations.
- Never throw anything into the prop to stop the engine. Use a kill switch or pinch off the engine's fuel supply.
- Discard any prop with nicks, scratches, splits, cracks or any other sign of damage. Never attempt to repair, alter or bend a prop.
- Don't run an engine in areas of loose gravel or sand for the prop can throw such material into your face and eyes; the engine may also ingest damaging debris.
- Keep loose clothing, shirt sleeves, and other such items away from the prop and avoid carrying objects that can fall into the prop such as pens, screwdrivers, etc.
- Be sure to keep the glow driver wire out of the prop path.
- If a spinner is used, be certain that its edges are not in contact with the propeller blades.

Two - Stroke Engines

Engine Size	Starting Prop	Alternate Propellors
.049	6x3	5.25x4, 5.5x4, 6x3.5, 6x4, 7x3
.09	7x4	7x3,7x4.5,7x5
.15	8x4	8x5,8x6,9x4
.19 - .25	9x4	8x5,8x6,9x5
.20 - .30	9x6	9x7,9.5x6,10x5
.35 - .36	10x6	9x7,10x5,11x4
.40	10x6	9x8, 11x5
.45	10x7	10x6,11x5,11x6,12x4
.50	11x6	10x8,11x7,12x4,12x5
.60 - .61 / 10cc	11x7	11x7.5, 11x7.75, 11x8,12x6
.70	12x6	11x8,12x8,13x6,14x4
.78 - .80	13x6	12x8,14x4,14x5
.90 - .91 / 15cc	14x6	13x8,15x6,16x5
1.08	16x6	15x8,18x5
1.20 / 20cc	16x8	16x10,18x5,18x6
1.50	18x6	18x8,20x6
1.80 / 30cc	18x8	18x10,20x6,20x8,22x6
2.00	20x8	18x10,20x6,20x10,22x6

Four - Stroke Engines

Engine Size	Starting Prop	Alternate Propellers
.20 - .21	9x6	9x5,10x5
.40	11x6	10x6,10x7,11x4,11x5,11x7,11x7.5,12x4,12x5
.45 - .48	11x6	10x6,10x7,10x8,11x7,11x7.5,12x4,12x5,12x6
.60 - .65 / 10 - 11cc	12x6	11x7.5,11x7.75,11x8,12x8,13x5,13x6,14x5,14x6
.80	13x6	12x8,13x8,14x4,14x6
.90 / 15cc	14x6	13x6,14x8,15x6,16x6
1.20 / 20cc	16x6	14x8,15x6,15x8,16x8,17x6,18x5,18x6
1.60	18x6	15x6,15x8,16x8,18x6,18x8,20x6
2.40 / 40cc	18x10	18x12,20x8,20x10
2.70	20x8	18x10,18x12,20x10
3.00	20x10	18x12,20x10