

WIRE SIZE + ENGINE DISP. + LINE LENGTH COMBINATION INFORMATION

BRODAK BRAIDED STEEL CONTROL LINES

High quality 7-strand braided stainless steel cable with steel clips, end hardware and instructions for assembly. Brodak Braided Steel Control-Lines are the perfect link between you and your airplane! Brodak's offers 34 different sizes, giving you a wide range of options for every engine size. These steel control-lines are high-quality, seven-strand stainless steel cable. Each kit includes steel clips, end hardware and assembly instructions. We recommend the following combinations for safe flying, under normal conditions.

Wire Size	Engine Disp.	Line Length
.008 .....	.049 .....	.35'
.008 .....	.074 .....	.52'
.012 .....	.09 .....	.52'
.015 .....	.19 .....	.52'
.015 .....	.29 .....	.60'
.015 .....	.35 .....	.60'
.018 .....	.40 .....	.60'
.018 .....	.49 .....	.70'
.021 .....	.60 .....	.70'
.024 .....	.74 .....	.70'

PROP CHART FOR 2 STROKE ENGINES

ENGINE SIZE (cu. in.)	STARTING PROPELLER	ALTERNATE PROPELLERS
.049	6-3	5 1/4-4, 5 1/2-4, 6-3 1/2, 6-4, 7-3
.09	7-4	7-3, 7-4 1/2, 7-5
.15	8-4	8-5, 8-6, 9-4
.19 - .25	9-4	8-5, 8-6, 9-5
.29 - .30	9-6	9-7, 9 1/2-6, 10-5
.35 - .36	10-6	9-7, 10-5, 11-4
.40	10-6	9-8, 11-5
.45	10-7	10-6, 11-5, 11-6, 12-4
.50	11-6	10-8, 11-7, 12-4, 12-5
.60 - .61	11-7	11-7 1/2, 11-7 3/4, 11-8, 12-6

3 & 4 BLADED CONVERSION CHART

The conversion for three and four bladed propellers is a simple task if you know what two bladed propellers you use on a given engine. For example, on a three bladed propeller you would drop the diameter and keep the same pitch, and on a four bladed, you would drop the diameter and the pitch. For instance, if you had a two bladed 24-10 propeller and you wanted a three bladed you would use a 24-8 or 22-10 etc.

TWO BLADED	THREE BLADED	FOUR BLADED
10-6	9-6	9-5
11-8	10-8	10-6
12-8	11-8	11-6
13-10	12-10	12-8
14-8	13-8	13-6
24-10	24-8 or 22-10	24-6 or 22-8
22-10	22-8 or 20-10	22-6 or 20-8
18-10	18-8 or 16-10	18-6 or 16-8
16-10	16-8 or 15-10	16-6 or 15-8
15-10	15-8 or 14-10	15-6 or 14-8
14-10	14-8 or 13-10	14-6 or 13-8
12-10	12-8 or 11-10	12-6 or 11-8
AND SO ON		

The performance on a two bladed versus a 3 or 4 bladed prop is very little. A 3 or 4 bladed prop will give you more thrust, but you will give up a little speed. The big advantage of using a multi blade prop is that you have more ground clearance and the noise factor is less.