

From: STALLARDS CAMERA HOUSE <devonport@stallards.net.au>

Subject: [FK] Korean kite

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Hello everyone

It's about time I shared a plan with you, after all the great fighters and tips you have kindly let me know about.

OK here we go with a simple-to-make Pang Pae Yon designed to fly in light winds.

Were making a kite here, not a house, so keep it as light as possible. Lighter the better.

You will need:

2 mm diameter fibreglass rod

filament tape

3M Magic tape

Mylar, or high tensile plastic or rice paper or glassine paper (about 40gpm)

Mark out on the material a rectangular shape 55cm long 35cm wide at the leading edge, and 40cm wide at the trailing edge. Mark a line down the middle for the centre spine. Mark a line corner to corner for the diagonal spines. At the point where the diagonals and the centre spine cross over, scribe a circle 17cm diameter.

At the leading edge add a fold over seam 2cm wide.

Cut out the cover (hot cut Mylar) reinforce sides and trailing edge with magic tape. Cut out centre hole and reinforce with magic tape. Cut all the spines 2cm longer than required and trim them accurately when you've finished the kite.

Tape the centre spine first to the cover with filament tape, leaving excess length at the leading edge. Next tape the leading edge spar across the kite at right angles to the centre spar. Tape the diagonal spines corner to corner. At the leading edge where the spines cross at the centre and corners bind them with thread firmly then put a few drops of superglue on the thread and allow it to dry. Fold the seam over the leading edge and tape it down. Use a strong thread to bow the leading edge 6cm at the centre.

Bridle the kite with a three leg bridle. Tie a length of thread at either end of the leading edge bowed spar. Pull it down the centre spine to the bottom of the cut out circle. Make a overhand knot in the bridle at this point making sure each bridle side is the same length and centred on the spine. Fix another thread about 65cm long to the centre spine, 2cm below the bottom of the circle. Make a larks head knot at the other end of the thread and slip it over the overhand knot in the centre of the top bridle. Attach a small ring on the bottom bridle line using a larks head

knot so that you can slide the ring along the bridle to find the tow point. To finish the kite add a 15cm triangular shaped "leg" at each bottom corner of the diagonal spines.

You'll make this kite in about 1 hour. Test fly it in a gentle breeze, adjusting the tow point till it flies OK. If you want to add a horizontal spar across the hole choose a very thin strip of bamboo or a sliver from a broken carbon fibre spar from a stunt kite.



Have fun and please give me some feedback on how you fare.

Good winds

Malcolm Dick
(Tasmania)