

Racers from the Heart of Europe

Kubíček  
BALLOONS



## FLY KUBICEK COMPETITION BALLOONS

Competition balloon pilots come in a variety of shapes and sizes and each has his or her own style of flying. To cope with this variety Kubicek Balloons are now, in addition to building regular shaped balloons for the 'sometimes' competitor, manufacturing two entirely different balloons that are directly at the serious competitor.

**The Grand Prix** envelope has almost flat sides and a gently curving top. It flies well and falls as straight as a stone. It is as easy to fly as a regular shaped balloon.

**The Extreme Racer** envelope has been described as a sharpened rugby ball. An XR is harder to fly than a Grand Prix but the rewards are staggering! These balloons nip up and down in the twinkling of an eye and offer the ultimate competition performance for the no compromise pilot.

Common to both these balloons is their tremendous value for money.

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## THE GRAND PRIX

FAST – PRECISE – EASY TO OPERATE

The natural shape at the top of the envelope keeps the centre of gravity high and this prevents the envelope distorting in a rapid climb. It also means that the balloon is relatively short, allowing it to sneak along in narrow bands of air.

In the lower part of the envelope, where the air is cooler and the loads less, the panels are flat and the sides of the balloon are steep (the steepest of any of the racing balloons). This shape is pleasingly aerodynamic and permits rapid straight descents with minimal distortion.

## THE EXTREME RACER

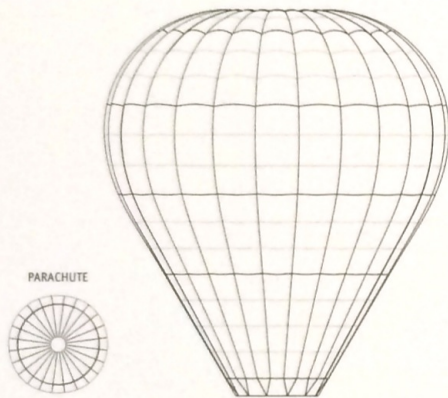
RESPONSIVE – PRECISE – STAGGERING PERFORMANCE

The pointed top of the envelope penetrates the air like a knife through butter giving outstanding climbs with minimal effort. The unique parachute design means that it will not be displaced in the fastest climb.

The rugby ball shape continues in the lower part of the envelope and the overall shape makes it slip through the air with almost no distortion. We have yet to see one of these envelopes take on the banana shape that some of our competitor's balloons make when descending – and it isn't for lack of effort from our pilots!

### THE GRAND PRIX

BB20GP



### THE EXTREME RACER

BB20XR



### VOLUMES

Both models are produced in two volumes of 1,700 m<sup>3</sup> (60,000ft<sup>3</sup>), for the 'no compromise' pilot who is most likely to fly solo, and 2,000 m<sup>3</sup> (70,000 ft<sup>3</sup>), for the prudent pilot who often flies with either an observer or a navigator.

ENVELOPE SIZE	BB17GP	BB20GP	BB17XR	BB20XR
Volume [m <sup>3</sup> ] / [cu ft]	1700 / 60000	2000 / 70000	1700 / 60000	2000 / 70000
No. of gores [pc]	16	24	16	20
Height [m]	16,8	17,9	18,96	20,3
Equator diameter [m]	14,5	15,4	13,68	14,4
Mouth diameter [m]	3,5	3,8	3,6	3,6
Mouth angle [deg]	60	60	57,8	60
Parachute hole [m]	4	5	4,5	4,6
Weight [kg]	75	90	75	80
MTOW [kg]	495	730	495	730
Max. achieved performance [m/s]	+8/-8,5	+10/-11	+14/-12	+12/-12

*A choice of seriously good competition balloons at realistic prices!*

