

# Suggested Starting Set-up

## Arrow AX8-80/50

Front Crash Bar:	Tight	
Rear Crash Bar:	Tight	
Rear Ride Height:	Central (axle in its central position in the chassis)	
Rear Track: <i>(measurements are an overall width to outside edge of rear wheels)</i>	<b>Bridgestone YHC, YGK</b>	- 1385mm (54.5 inches)
	<b>MG Yellow</b>	- 1395mm (54.9 inches)
	<b>Bridgestone YGB</b>	- 1395mm (54.9 inches)
	<b>Bridgestone YHB; Vega XS, XT</b>	- 1397mm (55.0 inches)
Rear Axle Type:	<b>Bridgestone YHC, YGK, YGB</b>	- Medium
	<b>MG Yellow</b>	- Medium
	<b>Bridgestone YHB</b>	- Soft to Medium
	<b>Vega XS, XT</b>	- Soft
Front Ride Height:	Front stub axle in the centre of the chassis support 'C'	
Front End:	The steering links mounted to the inner steering holes on the stub axle steering arms (maximum Ackerman)	
	<b>Bridgestone YHC, YGK, YGB</b>	- 2mm (0.08 inches) toe-out
	<b>MG Yellow</b>	- 2mm (0.08 inches) toe-out
	<b>Bridgestone YHB; Vega XS, XT</b>	- 4mm (0.16 inches) toe-out
Front Track: <i>(wheel spacers are placed between the stub axle and the front wheel hubs)</i>	<b>Bridgestone YHC, YGK</b>	- 10mm wheel spacer
	<b>MG Yellow</b>	- 15mm wheel spacer
	<b>Bridgestone YGB</b>	- 15mm wheel spacer
	<b>Bridgestone YHB; Vega XS, XT</b>	- 25mm wheel spacer
Front Caster:	<b>Bridgestone YHC, YGK</b>	- Maximum
	<b>MG Yellow</b>	- Neutral
	<b>Bridgestone YGB, YHB; Vega XS, XT</b>	- Neutral
Front Camber:	<b>Bridgestone YHC, YGK, YGB</b>	- 2mm (0.08 inches) positive overall
	<b>MG Yellow</b>	- 2mm (0.08 inches) positive overall
	<b>Bridgestone YHB; Vega XS, XT</b>	- 8mm (0.30 inches) negative overall
Tyre Pressure (front & rear):	<b>Bridgestone YHC, YGK</b>	- 10lbs (0.70 bar)
	<b>MG Yellow</b>	- 9.5lbs (0.65 bar)
	<b>Bridgestone YGB</b>	- 9.5lbs (0.65 bar)
	<b>Bridgestone YHB; Vega XS, XT</b>	- 9lbs (0.60 bar)
Front Torsion Bar:	<b>Bridgestone YHC, YGK, YGB</b>	- In
	<b>MG Yellow</b>	- In
	<b>Bridgestone YHB; Vega XS, XT</b>	- Out
Side Torsion Bar:	Out	
Rear Torsion Bar:	Out	
Side Pod Bars:	Front bolts: Loose (or out if rules allow) Rear bolts: In and tight	
Extra Side Seat Stays:	<b>Bridgestone YHC, YGK, YGB</b>	- 1 x LH, 1 x RH
	<b>MG Yellow</b>	- 1 x LH, 1 x RH
	<b>Bridgestone YHB; Vega XS, XT</b>	- 2 x LH, 2 x RH



— *Racing Karts* —→

**AX8-80/50**

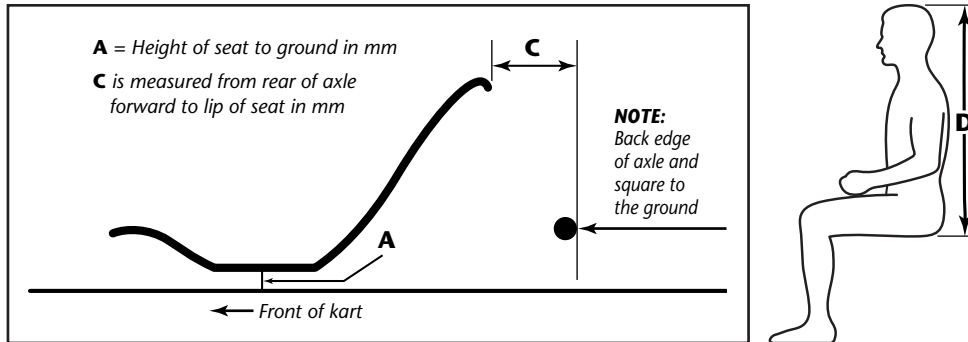
# SEAT POSITION CHART

## Arrow AX8-80/50

		D: Torso up to 840mm		D: Torso 840-860mm		D: Torso over 860mm			
		A	C	A	C	A	C		
SEAT SIZE*	S	20	125	20	120	20	105	Bridgestone YHC Bridgestone YGK	
	M	20	125	20	120	20	105		
	L	20	120	20	115	20	100		
	S	25	135	20	125	20	120	Bridgestone YCB Bridgestone YHB MG Yellow Vega XS,XT	
	M	20	130	20	125	20	120		
	L	20	120	20	120	20	120		

**\*NOTES:** All dimensions refer to Kartech 'RT' type seats only.

All above measurements are with the rear axle placed in its central ride-height position (as the kart will have been supplied by the factory).



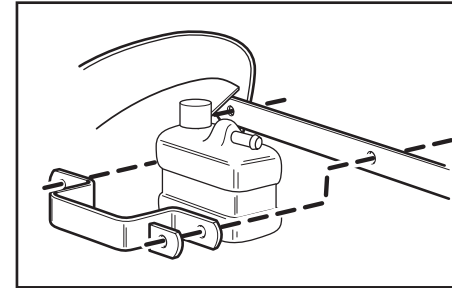
### SPECIAL NOTE:

The flat bottom of the seat **MUST BE HELD PARALLEL** to the ground when fitting the seat!

## ASSEMBLY NOTES

**Front Nassa panel:** When fitting the supplied Nassa panel for the first time, it has been marked with a moulded "X" indicating the three correct drilling points.

**Overflow bottle:** Fit the overflow bottle to the Nassa panel mounting bracket as shown below.



**Gear Selector Rod:** The gear selector rod supplied is straight and may need to be bent along its length to best suit the engine type being fitted.

## Height adjustment of Rear Axle

The AX8 range of karts have three rear axle ride height settings being controlled by the alloy bearing flange's lower central 6mm bolt. A total range of 11mm rear ride height adjustment is available in three settings; low, central and high. The karts are supplied from the factory with the axle set in the "Central" position. By lowering the axle to the "Low" position the kart's rear ride height will have increased by 5.5mm or by raising the axle to the "High" position the kart's rear ride height will have reduced by 5.5mm.

## Arrow self-aligning Seat Washers

The AX8 range of karts is supplied with Arrow's unique self-centering seat washer system. Fitting between the chassis seat supports and the seat, these washers insure that there are no torsional loads placed on the seat through mis-matching angles between the seat and the chassis. The seat does have an influence on the handling characteristics of a kart as it is an important torsional member on a kart's chassis structure. As such, the Arrow self-aligning seat washers are a major asset in alleviating pre-loads within the kart (see below).

