ITSA GOAL - TESTING REFERENCE & RESULTS MINI SOCCER GOALPOSTS showing deflection under test

Mar-13

Certificate Number	Size	Description - Mini-Soccer Football goals	Material	date of test	Test House	crossbar deflection	Test standard	Newtons crossbar strength	Newtons crossbar Stability	18 Kilos weight
9040206	12'x6'	uPVC goal (One section uPVC crossbar)	uPVC	07/04/09	STL	6.9mm	BS8462:2012	300	300	UNDER
7080241	12'x6'	uPVC goal (Three section uPVC crossbar)	uPVC	02/08/07	STL	7.4mm	BS8462:2012	300	300	UNDER
7080248	12'x6'	Aluminium 70mm socketed goal (one section crossbar)	Aluminium	03/08/07	STL	0.7mm	BS8462:2012	300	300	UNDER
7080242	12'x6'	Aluminium 70mm freestanding goal (tested with counterbalance weights and multi surface anchors)	Aluminium	02/08/07	STL	3.5mm	BS8462:2012	800	700	OVER
7080243	12'x6'	Aluminium 70mm freestanding goal (tested with integral counterbalance weights)	Aluminium	02/08/07	STL	0.6mm	BS8462:2012	800	700	OVER
8070141	12'x6'	Aluminium 70mm freestanding foldaway goal (tested anchors & counterbalance weights)	Aluminium	02/07/08	STL	0.1mm	BS8462:2012	800	700	OVER
9040208	12'x6'	Steel 76mm socketed goal (one section crossbar)	steel	09/04/09	STL	0.3mm	BS8462:2012	800	700	OVER
13030183	12'x6'	Oval Aluminium 100x115mm freestanding folding lockable goal (tested multi surface)	Aluminium	04/03/13	Element	.04mm	BS8462:2012	800	700	OVER
13030185	12'x6'	Aluminium 70mm freestanding demountable kit goal (tested with multi surface anchors)	Aluminium	04/03/13	Element	1mm	BS8462:2012	800	700	OVER
9040840	12'x6'	Oval Aluminium 100x115mm freestanding goal (tested multi surface)	Aluminium	29/04/09	STL	0.5mm	BS8462:2012	800	700	OVER

TESTING HOUSE REFERENCE (STL) *Sheffield Testing Laboratories* **(Element)** *Element Materials Technology*

The total counterbalance weight on each of the stability tests is required for each goal in the test range - Information is given with each freestanding goalpost

The testing shows that all crossbars on similar goals shorter in length than twenty four foot will deflect less and will pass the strength test.

All freestanding goals have been tested on grass with multi surface anchors however each pitch can vary - check ground conditions before use

Freestanding goalpost frames above 45 kilos in weight can cause serious injury if they topple on children - extra care must be taken when using these heavier goals

All metal goals both steel & aluminium experience metal fatigue with constant use and movement - check welds and joints at regular intervals - look for hairline cracks in the weld

check playing surface- Additional anchors can be applied to any freestanding goal - longer safety pegs are also available to give extra support on soft or sandy surfaces.

GOALPOST COUNTERBALANCE WEIGHTS REQUIRED

To work out the counterweight needed for goalposts to 1100 Newtons topple test = the height of the goal upright divided by the Length of the Ground Side Frame & multiply by 112 Kg

When using counter balance weights Use proper lifting techniques and protective footwear- Do not allow Children to handle or reposition goalpost counterbalance weights

To work out the counterweight needed for goalposts to 300 Newtons topple test = the height of the goal upright divided by the Length of the Ground Side Frame & multiply by 31 Kg

PLEASE NOTE When buying freestanding goals for children please check the weight/mass of the goals -our own research into Blunt Trauma Thoracic Impact on young children

Goals with a weight up to 18 Kg no risk   18-42Kg slight risk   42-55Kg High Risk   54-70Kg very high risk   70-98Kg potentially un survivable

If you buy freestanding goals at the heavier end of the scale extra care is needed at all times-Goals MUST always be anchored and secured and adult supervision is needed

*Football goal posts tested earlier however the amendments in 2009 & 20012 did not change or effect the goalpost testing required   UPDATED CERTIFICATE TO BS8462 : 20012

PLEASE NOTE smaller goals with the same crossbar 12'x4'and 8'x4' are also covered by the above testing as the topple is less and crossbar is identical