

**ITSA GOAL - TESTING REFERENCE & RESULTS full size adult goalposts showing deflection under test**

Mar-13

Certificate Number	Size	Description - Adult regulation Football Goal posts	Material	date of test	Test House	crossbar deflection	Test standard	Newtons crossbar strength	Newtons crossbar Stability	18 Kilos weight
7080249	24x8'	Oval Aluminium 100x115mm Socketed Goal (one section crossbar)	Aluminium	17/08/07	STL	1.5mm	EN748	1800	1100	OVER
7080718	24x8'	Oval Aluminium 100x115mm socketed (two section crossbar)	Aluminium	17/08/07	STL	1.4mm	EN748	1800	1100	OVER
7040409	24x8'	Oval Aluminium 100x115 freestanding with integral counterbalance back bar (two section crossbar)	Aluminium	05/04/07	STL	1.4mm	EN748	1800	1100	OVER
7060131	24x8'	80mmx80mm Aluminium freestanding with integral counterbalance back bar (two section crossbar)	Aluminium	08/05/07	STL	4.8mm	EN748	1800	1100	OVER
7060132	24x8'	Anti Vandal lockable 76.1mm dia. steel Socketed Goal (Two section crossbar)	Steel	08/05/07	STL	2.2mm	EN748	1800	1100	OVER
9040842	24x8'	Anti Vandal lockable 76.1mm dia. steel Socketed Goal (one section crossbar)	Steel	29/04/08	STL	2.7mm	EN748	1800	1100	OVER
7090600	24x8'	Oval Aluminium 100x115mm Socketed Goal new lightweight section (two section Goal)	Aluminium	11/09/07	STL	0.9mm	EN748	1800	1100	OVER
8070140	24x8'	Oval Aluminium 100x115mm Freestanding new lightweight section (one section Goal) anchors & weights	Aluminium	02/07/08	STL	1.0mm	EN748	1800	1100	OVER
13030182	24x8'	Oval Aluminium 100x115mm FOLDING Goal for anchors or weights	Aluminium	05/03/13	Element	2.4mm	EN748	1800	1100	OVER
8070139	24x8'	Oval Aluminium 100x115mm Freestanding new lightweight section (two section Goal) anchors & weights	Aluminium	02/07/08	STL	8.2mm	EN748	1800	1100	OVER
7080244	3Mx2M	80mm Aluminium Futsal Goal folding ( multi surface anchors- wall & floor ties)	Aluminium	21/04/09	STL	1.9mm	BS8462	1800	1100	OVER
7080244	3Mx2M	80mm Aluminium Futsal Goal ( tested with multi surface anchors and counterbalance weights)	Aluminium	02/08/07	STL	1.9mm	BS8462	1800	1100	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 unsurvivable

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 & 2012 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