



UNICOL ENGINEERING
Green Road, Oxford, OX3 8EU, UK

t: +44(0) 1865 767676
f: +44(0) 1865 767677
e: sales@unicol.com
w: www.unicol.com

CERTIFICATE OF CONFORMITY

Unicol products conform to BS8590:2014 : Code of practice for the Installation of Audio Visual equipment issued by the British Standards Institution and EEC safety standards where applicable. Unicol processes and procedures conform to ISO9001. Vertical Load Test Results are shown at Annex A.

GYROLOCK PROJECTOR SYSTEM

The Gyrolock Trilok projector mount has a maximum load restriction of 20kg when suspended vertically from a ceiling and 12kg when wall mounted. To assess the maximum safety factor, a load of 150kg has been applied when ceiling mounted and 60kg when wall mounted with no deflection or distortion detected. The Gyrolock Universal projector mount has a maximum load restriction of 12kg when suspended vertically from a ceiling or when wall mounted. To assess the maximum safety factor, a load of 60kg has been applied when ceiling or wall mounted with no deflection or distortion detected. There was no catastrophic failure of any tested item.

PROJECTOR (PSU) & SMALL DISPLAY MOUNTING SYSTEMS

The Ceiling Plate CP1 and CP6, with column attached has been tested to 100kg in the vertical axis with no distortion or deflection detected. A load of 1000kg has then been applied to provide a safety factor of 10 and a deflection of 1.52mm detected between the fixing bolts and the centre section of the Ceiling Plate. There was no catastrophic failure of any tested item. Each projector and display suspension system is designed and manufactured to suit each individual projector or display and support its weight throughout the adjustable range of the projector or display, applying a safety factor of 5.

LARGE & MULTI DISPLAY MOUNTING SYSTEMS

The Ceiling Plate CP2 with column attached has been tested to 100kg in the vertical axis with no distortion or deflection detected. A load of 1000kg has then been applied to provide a safety factor of 10 and a deflection of 1.66mm detected between the fixing bolts and the centre section of the Ceiling Plate. There was no catastrophic failure of any tested item. Each display mount is designed and manufactured to suit each individual display and support its weight, applying a safety factor of 5.

INSTALLATION

We must emphasize that we cannot be responsible for the integrity of the background material or support framework, or fixing standards achieved by others. We recommend installation by a Qualified Tradesperson, using masonry adhesive anchors or other reliable fixings to ensure safe installation. In addition we confirm that Unicol products are guaranteed for 10 years against failure as a result of any of the design, manufacturing procedures or components used. Electrical parts are covered by a 12 month return to base warranty.

MOBILE TROLLEYS AND STANDS

All Unicol mobile trolleys and stands are tested to BS8590:2014 : Code of practice for the Installation of Audio Visual equipment

Yours sincerely

David Jopling
Unicol Engineering



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Annex A:

Suspension Equipment:

Table 1

<u>Vertical Load Test Results</u>							
<u>Component</u>	<u>Rated Load</u>	<u>Test Load 1</u>	<u>Deflection Results</u>	<u>Test Load 2</u>	<u>Deflection Results</u>	<u>Test Load 3</u>	<u>Deflection Results</u>
			Design		Design		Design
			Actual		Actual		Actual
CP1	60kgs	250 kgs	None	500 kgs	0.50mm	1000kgs	1.5mm
			None		0.40mm		1.2mm
CP2	120kgs	250 kgs	None	500 kgs	0.50mm	1200kgs	2.00mm
			None		0.20mm		1.6mm
CP3	60kgs	250 kgs	None	500 kgs	0.50mm	1000kgs	1.5mm
			None		0.40mm		1.2mm
CP6	120kgs	250kgs	None	500 kgs	2.50mm	1000kgs	5.00mm
			None		2.00mm		4.00mm
TM530	120kgs	250 kgs	None	500 kgs	None	1000kgs	None
			None		None		None
Purling Clamps	120kgs	250 kgs	None	500 kgs	None	1000kgs	None
			None		None		None
PS1/PS1L	120kgs	250 kgs	None	500 kgs	None	1000kgs	None
			None		None		None
TM05	45kgs	120 kgs	None	250kgs	None	500kgs	None
			None		None		None
GC25/35	120kgs	250 kgs	None	350kgs	3.00mm	500kgs	6.00mm
			None		2.00mm		4.00mm
WB1 / 2 - Standard Arm	55kgs	80kgs	6.00mm	160 kgs	10.00mm	350kgs	15.00mm
			5.00mm		8.00mm		12.00mm
PLS	55kgs	80kgs	None	160 kgs	3.00mm	350kgs	4.00mm
			None		1.00mm		3.00mm
PLA	35kgs	80kgs	4.00mm	160 kgs	7.00mm	350 kgs	14.00mm
			3.00mm		5.00mm		11.00mm
PLW type 4	250kgs	500kgs	None	800kgs	1.5mm	1200kgs	3.5mm
			None		1.2mm		2.5mm

Please note this list covers the most commonly used components but is not exhaustive. For details on other specific items please contact Unicol Engineering.