

MASTERKLAMP

Quality reassurance – Summary of MasterKlamp Testing

In August 2009, ASPL undertook destructive testing of 4 MasterKlamp products in 6 tests that are commonly used in the handrail industry. SGS, Auckland undertook the independent testing. The objective of the testing was to determine if the MasterKlamp products would comply to the AS/NZS1657 & 1170 standards. The tests included:

- [1] test 1: 48mm OD pipe held in place by two parallel anchored 4.02.48. Vertical load placed at height of 1115mm
- [2] test 2: 48mm OD pipe held in place by two in-line anchored 4.02.48. Vertical load placed at height of 1115mm
- [3] test 3: 48mm OD pipe held in place by 1.04.48, grub screw tightened to 40NM. Pipe pulled out to determine slip load
- [4] test 4: 42mm OD pipe held in place by anchored 4.08.42. Vertical load placed at height of 1150mm
- [5] test 5: 48mm OD pipe held in place by anchored 4.08.48. Vertical load placed at height of 1150mm
- [6] test 6: 48mm OD pipe held in place by anchored 4.13.48. Vertical load placed a height of 600mm

Results for the 6 tests were as follows:

Test Number	Required Load (kPa or kg)	Results
1	1.5	Pass
2	1.5	Pass
3	940 (kg)	Pass (testing equipment failed at 1498kg)
4	1.5	Pass
5	1.5	Pass
6	1.5	Pass

In 2010 further MasterKlamp tests will be undertaken on the aluminum range as well as TUV testing.



20 JULY 2010

Sean Foster (Director)