TEST REPORT FOR:

Availcare 'Glance' Grab rail

(Tested to 1100 N, 112 kgf)

TEST DOCUMENTS:

AS 1428.1:2009 Design for access and mobility Clause 17 - Grab-rails

LABORATORY REFERENCE

492617

15th August 2016

TEST REPORT

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Job no: 492617

PRODUCT

Name & Model No.
Availcare 'Glance' Grab rail

Serial no of test sample
Not marked

Safe Working Load
Tested to 1100 N / 112 kgf

Documents used in testing
AS 1428.1:2009, Clause 17 Grab-rails

SUPPLIER

Name
Availcare Pty Ltd

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Telephone
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Contact Person:
Dave Sayers

MANUFACTURER

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Checked
Andrew Rose
Team Leader

Dates of testing period
August 2016

Date of issue of this report
15th August 2016

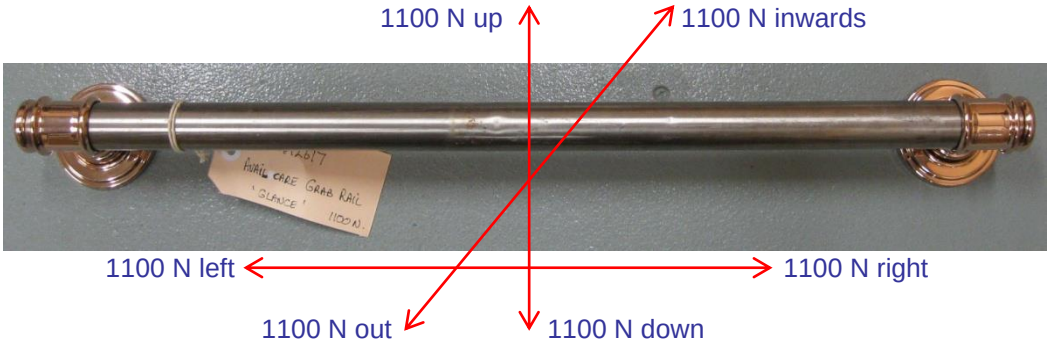
AS 1428.1 – 2009 Design for access and mobility, Clause 17 – Grab-rails

Test/Requirement	Result	Specification according to AS1428.1	Reference in clause of AS1428.1
Outside diameter	PASS (32 mm)	Min 30 mm / Max 40 mm	12 (a)
Exposed edges and corners	PASS	Not less than 5 mm	12 (b)
Withstand a load of 1100N at any position and in any direction	PASS	Shall be no visible deformation, loosening or rotation	6.2(c)
Clearance between a grab-rail and any obstruction	PASS (52 mm)	Clearance to wall: not less than 50 mm, not more than 60 mm.	6.2(d)
Obstruction to the passage of the hand	PASS	270°	6.2(e)

Remarks:

The test sample was attached to a horizontal timber rail using 3 supplied fasteners at each mounting bracket.
Test requirement for static strength – Must be able to withstand a load of 1100 N in any direction.
The test load was applied to rail in the 'worst case' position, where maximum stress and deformation of the grab rail could be applied with each direction of force.

Consideration must be given to the strength of the substrate that the rail is attached to and the fasteners used for attachment when assessing the true load performance of the grab rail in actual mounted situations. The manufacturers recommended mounting instructions must be followed when installing this product.



WW. End of remarks----------

The sample submitted for this test satisfies the relevant requirements of AS1428.1 (Clause 17) for grab-rails (except the methods indicated in this report as "not tested" and/or tested with deviations).

PASS

Traceable Equipment used for Measurements in this report					
Gauge Number	**Gauge Type**		**Gauge Number**	**Gauge Type**	
TLE004	Standard finger Probe	☐	TLE141	Tape Measure, 5 Metre	☒
TLE009	Cold Climate Chamber	☐	TLE144	Stop Watch	☐
TLE010	Test Rig (Static Load Drop)	☒	TLE148	Protractor, Vernier	☐
TLE011	2 Drum Durability Rig	☐	TLE151	Accelerometer	☐
TLE012	Stability Ramp - Static	☐	TLE167	Test Masses, 25kg	☐
TLE016	Square, Steel - Large	☐	TLE175	2 Drum Durability rig	☐
TLE018	Rule, Steel – 1,000 mm	☐	TLE176	Test Dummy	☐
TLE019	Reference Load Gauge	☐	TLE179	Test Rig Prosthetics, Foot	☐
TLE024	Stability Ramp, Dynamic	☐	TLE182	Multimeter	☐
TLE028	Spring Balance 0-100g	☐	TLE183	Impact Pendulum	☐
TLE029	Spring Balance 0– 5kg	☐	TLE184	Test Dummy	☐
TLE030	Spring Balance 0-20kg	☐	TLE185	Inclinometer	☒
TLE032	Thermometer	☐	TLE186	Inclinometer, small	☐
TLE049	Torque Wrench	☐	TLE196	Test Rig Prosthetics, Knee	☐
TLE067	Tyre Pressure Gauge	☐	TLE201	Load Cell	☒
TLE068	Impact Mass, 25 kg Soccer	☐	TLE203	Impactor	☐
TLE077	Force Gauge, RLG	☐	TLE204	Pendulum Impact Hammer	☐
TLE084	Rule, Steel – 300mm	☐	TLE205	Tape Measure, 8 Metre	☐
TLE087	Test Obstacles	☐	TLE210	Test Obstacle, Threshold	☐
TLE105	Thermohygrograph	☒	TLE211	Prosthetic Set up Gauge	☐
TLE106	Scales, Digital	☐	TLE212	Test Rig, Proof Test	☐
TLE112	Vernier Caliper, 200mm	☐	TLE216	Load Pad, Seat Base	☐
TLE114	Spring Balance, 50kg	☐	TLE218	Square, Steel - Small	☐
TLE131	Test Dummy	☐	TLE220	DC Wattmeter	☐
TLE132	Test Dummy	☐	TLE221	Temp/Humidity Meter	☐
TLE133	Test Dummy	☐	TLE225	Caliper, Digital 200mm	☒

NOTES:

1 U_{95} Uncertainty of measurements where not specified: linear ±1mm, angular ± 30', force, mass ±1%, temperature ±1°C, cycles ±1 count. This means the true measurement is within the stated tolerances at least ninety five times in one hundred

2 All testing was carried out in a controlled environment laboratory using methods set out in the Standards documents, all deviations and additions to the Standards' methods are noted in remarks.

3 All instruments either carried valid calibration certificates throughout the test period or were checked against traceable Standards before and after use.

4 NovitaTech has no control over the selection of test samples. Any extension of the findings of this report to cover production items must be based on production being truly represented by the sample(s).

5 Any non-conformances are indicated in red.

6 Items marked NA – Not applicable to sample tested

END OF REPORT