



## Certificate Of Test

### Independent Testing Company

Catena Engineering Company Limited  
Unit 8, Parker Industrial Estate  
Mansfield Road  
Derby  
Derbyshire  
DE21 4SZ

### Test Details

Test 1 : KE07 - KE15 Mobile Step Unit  
Test 2 : KE02 - KE06 Mobile Step Unit

Cert No. 237998-A1  
Cert No. 237998-A2

Tested : 22<sup>nd</sup> January 1998  
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#### Test 1 : KE07 - KE15 Mobile Step Unit

15 Step Access Stepladder, mounted on wheels, constructed from 25mm dia. Steel tube with pressed perforated steps, all welded construction.

Step unit positioned on steel bed plate with anchor lug fixed in centre of bed. A stirrup suspension unit was hooked onto step 10 and connected to the anchor lug via a 1.5t Levalift Pulling Unit, and a calibrated traceable electronic Load Indicating Cell. Load was applied.

At 250 Kg	No distorting noticeable
At 500 Kg	Approx. 5mm bow in back leg
At 750 Kg	Approx. 8mm bow in back leg
At 1000 Kg	Approx. 10mm bow in back leg

At this point, the test was terminated as no useful point was going to be gained and loads achieved were in excess of requirements. Load release and structure returned to original with no permanent set. Based on these figures, we can certify this KE15 unit and similar units within this range down to the KE07 size have a WORKING LOAD LIMIT = 300 Kg.

This gives a factor of safety in excess of 3. Stability of this step is not covered by this test.

Signed : K. B. HALL  
Date : 21/1/1998

#### Test 2 : KE02 – KE06 Mobile Step Unit

6 Step Access Stepladder, mounted on wheels, constructed from 19mm dia. Steel tube with pressed perforated steps, all welded construction.

Step unit positioned on steel bed plate with anchor lug fixed in centre of bed. A stirrup suspension unit was hooked onto step 4 and connected to the anchor lug via a 1.5t Levalift Pulling Unit, and a calibrated hydraulic Load Indicating Cell. Load was applied.

At 250 Kg	No distorting noticeable
At 500 Kg	Approx. 6mm distortion in diagonal
At 750 Kg	Approx. 12mm distortion in diagonal
At 1000 Kg	Approx. 15mm distortion in diagonal

At this point, the test was terminated as no useful point was going to be gained and loads achieved were in excess of requirements. Load release and structure returned to original with no permanent set. Based on these figures, we can certify this KE06 unit and similar units within this range down to the KE02 size have a WORKING LOAD LIMIT = 300 Kg.

This gives a factor of safety in excess of 3. Stability of this step is not covered by this test.

Signed : K. B. HALL  
Date : 21/1/1998