



LGA QualiTest GmbH

# Quality Certificate



The LGA QualiTest GmbH

confirms herewith that the company

**Hawa AG**

**8932 Mettmenstetten / SCHWEIZ**

has their product

**Sliding door fitting**

**HAWA-Junior 160/A, -B, -G, -GV, -GP**

tested/inspected and permanently supervised within the scope of a surveillance agreement

Quality requirements	Standards	Details									
		-	6	3	0	-	0	-	1	3	
classification (see appendix)	DIN EN 1527 : 1998	-	6	3	0	-	0	-	1	3	
durability	DIN EN 1527 : 1998	100.000 cycles									
slam shut/open functional test	DIN 68859 : 2004	Requirements met									
slam shut/open overload test	DIN 68859 : 2004	Requirements met									
Quality assurance	ISO DIN 9001 : 2000	Third party monitoring and self monitoring									

Nuremberg, 11.06.2001  
modified, 21.06.2001, 16.06.2008  
and 30.12.2009  
translated, 01.07.2008

Quality Certificate no. **766-4**  
LGA-Test Report no. 330 1449



*i.v. Ch. Lieber*  
C. Sieber  
Certification Body

*i.v. R. Heym*  
Dipl.-Ing.(FH) R. Heym  
Head of the Furniture Testing Institute

## Classification acc. DIN EN 1527 : 1998

### Category of use (1<sup>st</sup> digit):

No grade identified for these products

### Durability (2<sup>nd</sup> digit):

grade 1 = 2500 cycles  
 grade 2 = 5000 cycles  
 grade 3 = 10000 cycles  
 grade 4 = 25000 cycles  
 grade 5 = 50000 cycles  
 grade 6 = 100000 cycles

### Door mass (3<sup>rd</sup> digit):

grade 1 = door up to 50 kg  
 grade 2 = door from 51 to 100 kg  
 grade 3 = door from 101 to 330 kg  
 grade 4 = door over 330 kg

### Fire resistance (4<sup>rd</sup> digit):

grade 0 = not approved for use on fire door assemblies  
 grade 1 = suitable for use on fire door assemblies

### Safety (5<sup>th</sup> digit):

No grade identified for these products

### Corrosion resistance (6<sup>th</sup> digit):

Products are classified from 1 to 4 according to the five grades defined in EN 1670.  
 Grade 0 is for products not tested.

### Security (7<sup>th</sup> digit):

No grade identified for these products

### Category of door (8<sup>th</sup> digit):

grade 1 = sliding door  
 grade 2 = folding door (bi-fold type)  
 grade 3 = multi-panel folding door

### Initial friction (9<sup>th</sup> digit):

Three grades are defined:

Door mass	Up to 50 kg	51-100 kg	101-330 kg	> 330 kg
grade 1	50 N	80 N	100 N	5 % of the mass
grade 2	40 N	60 N	5 % of the mass	4 % der Türmasse
grade 3	30 N	40 N	4 % of hte mass	3 % der Türmasse