



Italia

TEST REPORT RAPPORTO DI PROVA

TEST REPORT IN ACCORD TO CLIENT PROCEDURE

Test Report in accordo alla procedura cliente

Customer (Richiedente):

- Dept./Firm (Ente/Società): VILLES S.r.l.
- Mr./Mrs (Sig./Sig.ra.): Franco Villa
- Address (Indirizzo): Via Castoldi 6/8 - 20090 TREZZANO SUL NAVIGLIO

Test Request Form no.:
Modulo Richiesta Prova n.:

MES1357576A00TR

Test Report sent to:

Rapporto inviato a:

Franco Villa

Name and Signature of the test engineer:
Nome e Firma esecutore prova:

Ferro Simone

Name and Signature of the Technical reviewer:
Nome e Firma del Revisore tecnico:

Andrea Rotundo

Date of test samples receipt:
Data ricevimento campioni:

Test from the client

Date of test execution:
Data esecuzione prove:

From 18.09.2019 to 07.11.2019

Site of test execution (if different from the address in the footer):
Località esecuzione prove (se diversa dal piè pagina):

Villes S.r.l. – Via Castoldi 6/8 – 20090 Trezzano sul Naviglio

Witness to the test:
Presenti alle prove:

Franco Villa

The test results contained in this Test report relate to the tested samples only as received.

I risultati del presente rapporto di prova si riferiscono esclusivamente al campione sottoposto a prova così come ricevuto.

The integral reproduction of the present Test report is allowed; the partial reproduction must be authorized in writing by the Lab.

E' ammessa la riproduzione integrale del presente Rapporto di prova da parte del Richiedente; la riproduzione parziale dev'essere autorizzata per iscritto dal Laboratorio.

I dati forniti dal cliente di cui il laboratorio declina la responsabilità verranno identificati con carattere sottolineato.

The data provided by the customer for which the laboratory declines the responsibility will be identified with an underlined character

Form: ITA_F_09.01E (Rev.22 – 16 July 2019)

Test report n.: MES1357576A00TR

Revision: 00

Document name: MES1357576A00TR_Art_6062_EN

Project handler:

Simone Ferro

Issue date: 07.11.2019

Phone: +39 0125 636911

Fax: +39 0125 636999

Simone.ferro@tuv.it

TÜV Italia SRL

Divisione PS-Laboratori

Via Montalenghe 8

I-10010 Scarmagno TO Italy



Italia

1 TEST SETUP SETUP DI PROVA

1.1 SAMPLE IDENTIFICATION IDENTIFICAZIONE CAMPIONE

- 1.1.1 Product/material subjected to test:** Art. 5679/S
Prodotto/materiale sottoposto a prova:
- 1.1.2 Description:** Sliding system with soft closing and soft opening.
Descrizione:
- 1.1.3 Level (Series product, prototype, etc.):** Series
Livello (Prodotto di serie, prototipo, ecc.):
- 1.1.4 Part number:** Art. 5679/S
Codice prodotto:
- 1.1.5 Serial number:** None
N° Matricola:
- 1.1.6 Sample identification code:** Test from the client
Codice identificativo del campione:

1.2 AUXILIARY DEVICES DISPOSITIVI AUSILIARI

None

1.3 TEST CONFIGURATION CONFIGURAZIONE DI PROVA



Test configuration without load test.

Form: ITA_F_09.01E (Rev.22 – 16 July 2019)

Test report n.: MES1357576A00TR

Revision: 00

Document name: MES1357576A00TR_Art_6062_EN

Project handler:

Simone Ferro

Issue date: 07.11.2019

Phone: +39 0125 636911

Fax: +39 0125 636999

Simone.ferro@tuv.it

TUV®

TÜV Italia SRL

Divisione PS-Laboratori

Via Montalenghe 8

I-10010 Scarmagno TO Italy



Italia

1.4 DIAGNOSTIC SYSTEM
SISTEMA DIAGNOSTICO

Visual Check.

2 TEST LIST
ELENCO DELLE PROVE

Test Description	Reference document	Standardized	Differencies
2.1 FATIGUE TEST <i>Prova di Fatica</i>	Client procedure	No	No

3 TEST EQUIPMENT USED
APPARECCHIATURE UTILIZZATE

Description	Manufacturer	Model	Serial no./ID	Used in test n.:
Dinamometer	Sauter	FH 500	ZH17Y02251	2.1

4 ENVIRONMENTAL CONDITIONS
CONDIZIONI AMBIENTALI

4.1 ROOM TEMPERATURE <i>TEMPERATURA AMBIENTE</i>	Not required
4.2 RELATIVE HUMIDITY <i>UMIDITA' RELATIVA</i>	Not required
4.3 PRESSURE <i>PRESSIONE</i>	Not required

5 MEASUREMENT UNCERTAINTY
INCERTEZZA DI MISURA

Measurement uncertainties was estimated as expanded uncertainty obtained multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level of about 95%. Declared uncertainties are obtained with factor k=2 except if otherwise specified.

Measurement	Expanded uncertainty	Found in test n.:
Compression	± 1%	2.1
Strenght	± 1%	2.1

Form: ITA_F_09.01E (Rev.22 – 16 July 2019)

Test report n.: MES1357576A00TR

Revision: 00

Document name: MES1357576A00TR_Art_6062_EN

Project handler:

Simone Ferro

Issue date: 07.11.2019

Phone: +39 0125 636911

Fax: +39 0125 636999

Simone.ferro@tuv.it

TÜV Italia SRL

Divisione PS-Laboratori

Via Montalenghe 8

I-10010 Scarmagno TO Italy



Italia

6 SAMPLING PLAN

PIANO DI CAMPIONAMENTO

Sample selected by the customer.

7 TEST AND/OR MEASUREMENT RESULTS

RISULTATI DELLE PROVE E/O MISURE

7.1 TEST N.1 – FATIGUE TEST

PROVA N.1 – Prova di fatica

7.1.1 TEST PURPOSE

SCOPO DELLA PROVA

The purpose of this test is evaluate

7.1.2 SET-UP

PREPARAZIONE

Mechanical system for open and closed the door, with a 1-meter in-out run and 1 meter in return.

7.1.3 TEST DESCRIPTION

DESCRIZIONE DELLA PROVA

Fatigue test of 100000 opening and closing cycles at intervals of 50000 with 140 Kg (10 kg more request).

7.1.4 TEST RESULTS

RISULTATI DI PROVA

After testing, the product maintains the initial functionality.

Form: ITA_F_09.01E (Rev.22 – 16 July 2019)

Test report n.: MES1357576A00TR

Revision: 00

Document name: MES1357576A00TR_Art_6062_EN

Project handler:

Simone Ferro

Issue date: 07.11.2019

Phone: +39 0125 636911

Fax: +39 0125 636999

Simone.ferro@tuv.it

TÜV Italia SRL

Divisione PS-Laboratori

Via Montalenghe 8

I-10010 Scarmagno TO Italy



Italia

8 REMARKS

NOTE

None

9 APPENDIX

APPENDICE

9.1 PHOTO DOCUMENTATION

DOCUMENTAZIONE FOTOGRAFICA



9.2 ATTACHMENTS

ALLEGATI

None.

Form: ITA_F_09.01E (Rev.22 – 16 July 2019)

Test report n.: MES1357576A00TR

Revision: 00

Document name: MES1357576A00TR_Art_6062_EN

Project handler:

Simone Ferro

Issue date: 07.11.2019

Phone: +39 0125 636911

Fax: +39 0125 636999

Simone.ferro@tuv.it

TUV[®]

TÜV Italia SRL

Divisione PS-Laboratori

Via Montalenghe 8

I-10010 Scarmagno TO Italy



Italia

10 SUMMARY

SOMMARIO

1	TEST SETUP	2
1.1	SAMPLE IDENTIFICATION	2
1.2	AUXILIARY DEVICES	2
1.3	TEST CONFIGURATION	2
1.4	DIAGNOSTIC SYSTEM	3
2	TEST LIST	3
2.1	FATIGUE TEST	3
3	TEST EQUIPMENT USED	3
4	ENVIRONMENTAL CONDITIONS	3
4.1	ROOM TEMPERATURE	3
4.2	RELATIVE HUMIDITY	3
4.3	PRESSURE	3
5	MEASUREMENT UNCERTAINTY	3
6	SAMPLING PLAN	4
7	TEST AND/OR MEASUREMENT RESULTS	4
7.1	TEST N.1 – FATIGUE TEST	4
7.1.1	TEST PURPOSE	4
7.1.2	SET-UP	4
7.1.3	TEST DESCRIPTION	4
7.1.4	TEST RESULTS	4
8	REMARKS	5
9	APPENDIX	5
9.1	PHOTO DOCUMENTATION	5
9.2	ATTACHMENTS	5
10	SUMMARY	6

FINE DEL RAPPORTO DI PROVA

Form: ITA_F_09.01E (Rev.22 – 16 July 2019)

Test report n.: MES1357576A00TR

Revision: 00

Document name: MES1357576A00TR_Art_6062_EN

Project handler:

Simone Ferro

Issue date: 07.11.2019

Phone: +39 0125 636911

Fax: +39 0125 636999

Simone.ferro@tuv.it

TÜV Italia SRL

Divisione PS-Laboratori

Via Montalenghe 8

I-10010 Scarmagno TO Italy