

**DICHIARAZIONE DI CONFORMITÀ / DECLARATION OF CONFORMITY / DÉCLARATION DE CONFORMITÉ
KONFORMITÄTSERKLÄRUNG / DECLARACION DE CONFORMIDAD / DECLARAÇÃO DE CONFORMIDADE**

(Dir. 98/37/EEC allegato / annex / on annexe / anlage / adjunto / ficheiro IIB)

Fabbricante / Manufacturer / Fabricant / Hersteller / Fabricante / Fabricante:

BFT S.p.a.

Indirizzo / Address / Adresse / Adresse / Dirección / Endereço:

Via Lago di Vico 44
36015 - Schio
VICENZA - ITALY

- Dichiara sotto la propria responsabilità che il prodotto: / Declares under its own responsibility that the following product:
/Déclare sous sa propre responsabilité que le produit: / Erklärt auf eigene Verantwortung, daß das Produkt: /Declara, bajo su propia responsabilidad, que el producto: / Declara, sob a sua responsabilidade, que o produto:

Motoriduttore per cancelli a battente mod. / Gearmotor for swing gates mod. / Motoréducteur pour portails battants mod. /
Getriebemotor für Drehtore Modell / Motorreductor para cancelas con batiente mod. / Motoredutor para portões de batente mod.

VIRGO

- È costruito per essere incorporato in un macchinario che verrà identificato come macchina ai sensi della DIRETTIVA MACCHINE. / Has been produced to be incorporated into a machinery, which will be identified as a machine according to the MACHINERY DIRECTIVE. / A été construit pour l'incorporation successive dans un équipement qui sera identifié comme machine conformément à la DIRECTIVE MACHINES. / Dafür konstruiert wurde, in ein Gerät eingebaut zu werden, das als Maschine im Sinne der MASCHINEN-DIREKTIVE identifiziert wird. / Ha sido construido para ser incorporado en una maquinaria, que se identificará como máquina de conformidad con la DIRECTIVA MAQUINAS. / Foi construído para ser incorporado numa maquinaria, que será identificada como máquina em conformidade com a DIRECTIVA MÁQUINAS
- È conforme ai requisiti essenziali di sicurezza delle Direttive: / It also complies with the main safety requirements of the following Directives: / Est conforme aux exigences essentielles de sécurité des Directives: / Es entspricht den grundlegenden Sicherheitsbedingungen der Direktiven: / Es conforme a los requisitos esenciales de seguridad de las Directivas: / Está conforme aos requisitos essenciais de segurança das Directivas

BASSA TENSIONE / LOW VOLTAGE / BASSE TENSION / NIEDERSpannung / BAJA TENSION / BAIXA TENSÃO 73/23/CEE, 93/68/CEE (EN60335-1 ('03), EN60335-2-103) (e modifiche successive / and subsequent amendments / et modifications successives / und ihren nachfolgende Änderungen / e modificações sucessivas / y modificaciones sucesivas).

COMPATIBILITÀ ELETTROMAGNETICA / ELECROMAGNETIC COMPATIBILITY / COMPATIBILITÉ ÉLECTROMAGNÉTIQUE / ELEKTROMAGNETISCHE KOMPATIBILITÄT / COMPATIBILIDAD ELECTROMAGNETICA / COMPATIBILIDADE ELECTROMAGNÉTICA 89/336/CEE, 91/263/CEE, 92/31/CEE, 93/68/CEE (EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN55014-1, EN55014-2) (e modifiche successive / and subsequent amendments / et modifications successives / und ihren nachfolgende Änderungen / e modificações sucessivas / y modificaciones sucesivas).

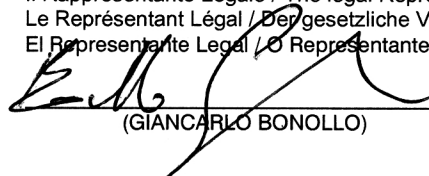
DIRETTIVA MACCHINE / MACHINERY DIRECTIVE / DIRECTIVE MACHINES / MASCHINEN-DIREKTIV / DIRECTIVA MAQUINAS / DIRECTIVA MÁQUINAS 98/37/CEE (EN 12453('01), EN 12445 ('01), EN12978 ('03) (e modifiche successive / and subsequent amendments / et modifications successives / und ihren nachfolgende Änderungen / e modificações sucessivas / y modificaciones sucesivas).

APPARECCHIATURE RADIO / RADIO SETS / INSTALLATIONS RADIO / RADIOAPPARATE / RADIOEQUIPOS / RADIOAPARELHOS 99/5/CEE (ETSI EN 301 489-3 (2000) +ETSI EN 301 489-1 (2000), ETSI EN 300 220-3 (2000)) (e modifiche successive / and subsequent amendments / et modifications successives / und ihren nachfolgende Änderungen / e modificações sucessivas / y modificaciones sucesivas).

- Si dichiara inoltre che è vietata la messa in servizio del prodotto, prima che la macchina in cui sarà incorporato, sia stata dichiarata conforme alle disposizioni della DIRETTIVA MACCHINE. / We also declare that it is forbidden to start the product before the machinery into which it will be incorporated is declared in compliance with the prescriptions of the MACHINERY DIRECTIVE. / Nous déclarons en outre que la mise en service du produit est interdite, avant que la machine où il sera incorporé n'ait été déclarée conforme aux dispositions de la DIRECTIVE MACHINES. / Es wird außerdem erklärt, daß die Inbetriebnahme des Produkts verboten ist, solange die Maschine, in die es eingebaut wird, nicht als mit den Vorschriften der MASCHINEN-DIREKTIVE konform erklärt wurde. / Se declara, además, que está prohibido instalar el producto antes de que la máquina en la que se incorporará haya sido declarada conforme a las disposiciones de la DIRECTIVA MAQUINAS / Declaramos, além disso, que é proibido instalar o produto, antes que a máquina em que será incorporada, tenha sido declarada conforme às disposições da DIRECTIVA MÁQUINAS

SCHIO, 01/04/2004

Il Rappresentante Legale / The legal Representative
Le Représentant Légal / Der gesetzliche Vertreter
El Representante Legal / O Representante legal


(GIANCARLO BONOLLO)

**ORGANISMO NOTIFICATO
PER LA CPD N° 1600**

BFT S.p.A.
Via Lago di Vico, 44
36015 - Schio (VI)



Test report n° 151/05



Composed of 5 pages of test report and 75 of attachment

- date 2005-07-04
- request 117
- date 2005-04-21

Refers to

- subject Gate with VIRGO motor

- main characteristics
Width and height 3,960X1,150 m
Weight gate 200 kg
Motor power 230 V dc
Sensing edge Not present

- model -----

- constructor BFT S.p.A.
Via Lago di Vico, 44 - 36015 Schio (VI)

- registration n° CERT 0117/05

- date of arrival ---

- date of tests 2005-05-25

Sede Legale:

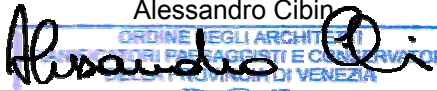
c/o Camera di Commercio Industria
Artigianato Agricoltura
Piazza Borsa, 3/B 31100 Treviso (TV)
Cod. Fisc. 80009550262
P.IVA 00484170261
Tel. 0422/5951
www.tv.camcom.it

Sede Principale:

Centro Cristallo, Via Roma 4
31020 Lancesigo di Villorba (TV)
Tel. 0422/608858 - Fax 0422/608866
Videokonferenza 0422/910201
www.tvtecnologia.it
tne1@tvtecnologia.it

Unità Operativa:

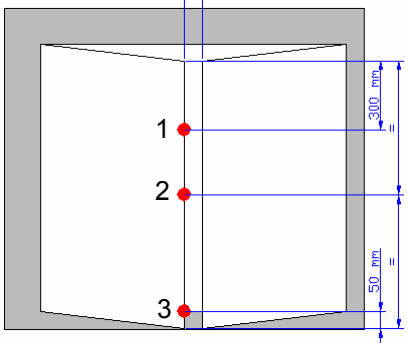
CERT Centro di Certificazione e
Test di Treviso Tecnologia
Via Pezza Alta, 34
31046 Rustignè di Oderzo (TV)
Tel. 0422/852016 - Fax 0422/852058
Videokonferenza 0422/852138
www.cert.tvtecnologia.it
cert@tvtecnologia.it

Laboratory Technician	Laboratory Technical Manager
 Matteo Dazzan	 Alessandro Cibin
	

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Measurement of force - UNI EN 12453(2002) point 5

- Environmental conditions of test: Temperature: 30,0 °C
Humidity: 33,0 % U.R.
- Set-up of test sample: Opening torque: 80 %
Closing torque: 80 %
Opening slow-down torque: 50 %
Closing slow-down torque: 50 %

Opening of the wing 50 mm, between the primary edge and the opposite edge				
	Test n°	Dynamic force [N]		
		Point 1	Point 2	Point3
	1	194	278	368
	2	219	258	368
	3	188	231	353
	Average	200,3	255,7	363,0
	Test n°	Static force [N]		
		Point 1	Point 2	Point3
	1	12	11	12
	2	12	14	12
	3	12	10	8
	Average	12,0	11,7	10,7
	Test n°	Final force [N]		
		Point 1	Point 2	Point3
	1	0	0	3
	2	1	2	2
	3	0	0	0
Average	0,3	0,7	1,7	
Test n°	Dynamic time [s]			
	Point 1	Point 2	Point3	
1	0,13	0,10	0,09	
2	0,14	0,11	0,08	
3	0,12	0,12	0,08	
Average	0,13	0,11	0,08	

The average forces found are within the limits defined in the UNI EN 12453(2002) req.

The average forces found are within the limits defined in the UNI EN 12453(2002) reg.

Opening of the wing 50 mm, between the primary edge and the opposite edge

The diagram illustrates a rectangular wing with a central opening. The opening is 50 mm wide. The wing has a total height of 300 mm. The opening is positioned such that the distance from the top edge to the top of the opening is 50 mm, and the distance from the bottom of the opening to the bottom edge is also 50 mm. Six measurement points are marked along the vertical centerline of the wing: Point 4 is at the top edge, Point 5 is at the top of the opening, and Point 6 is at the bottom of the opening. The wing is shown in a cross-section view, with the opening being a rectangular cutout.

Test n°	Dynamic force [N]		
	Point 4	Point 5	Point 6
1	112	155	222
2	95	168	204
3	112	159	206
Average	106,3	160,7	210,7
Test n°	Static force [N]		
	Point 4	Point 5	Point 6
1	18	1	6
2	8	3	7
3	14	1	20
Average	13,3	1,7	11,0
Test n°	Final force [N]		
	Point 4	Point 5	Point 6
1	4	1	0
2	0	3	0
3	0	1	6
Average	1,3	1,7	2,0
Test n°	Dynamic time [s]		
	Point 4	Point 5	Point 6
1	0,00	0,00	0,04
2	0,00	0,01	0,04
3	0,00	0,01	0,04
Average	0,00	0,01	0,04

The average forces found are within the limits defined in the UNI EN 12453(2002) req.

The average forces found are within the limits defined in the UNI EN 12453(2002) reg.

- Machines / equipment used: Force tester Microtronics BlueForce.
- Description of the test: The test was carried out according to the UNI EN 12445(2002) regulation Point 5 and UNI EN 13241-1(2004) regulation Point 4.3.3.
- Notes: The test was carried out on a specimen prepared and installed by the firm BFT S.p.A. via Lago di Vico 44 - 36015 Schio (VI).
- Date of test: 2005-05-25

Measurement of force - UNI EN 12453(2002) point 5

- Environmental conditions of test: Temperature: 30,0 °C
Humidity: 33,0 % U.R.
- Set-up of test sample: Opening torque: 80 %
Closing torque: 80 %
Opening slow-down torque: 50 %
Closing slow-down torque: 50 %

Opening of the wing 300 mm, between the primary edge and the opposite edge

300 mm

300 mm

50 mm

7

8

9

Test n°	Dynamic force [N]		
	Point 7	Point 8	Point 9
1	267	384	302
2	370	331	328
3	350	382	369
Average	329,0	365,7	333,0
Test n°	Static force [N]		
	Point 7	Point 8	Point 9
1	8	9	5
2	8	11	8
3	11	6	6
Average	9,0	8,7	6,3
Test n°	Final force [N]		
	Point 7	Point 8	Point 9
1	0	0	0
2	0	4	1
3	2	0	0
Average	0,7	1,3	0,3
Test n°	Dynamic time [s]		
	Punto 7	Punto 8	Punto 9
1	0,06	0,09	0,06
2	0,06	0,09	0,06
3	0,06	0,09	0,24
Average	0,06	0,09	0,12

The average forces found are within the limits defined in the UNI EN 12453(2002) reg.

Opening of the wing 300 mm, between the primary edge and the opposite edge

Test n°	Dynamic force [N]		
	Point 10	Point 11	Point 12
1	139	146	185
2	297	149	176
3	137	139	215
Average	191,0	144,7	192,0
Test n°	Static force [N]		
	Point 10	Point 11	Point 12
1	10	23	15
2	12	25	11
3	14	22	16
Average	12,0	23,3	14,0
Test n°	Final force [N]		
	Point 10	Point 11	Point 12
1	0	3	1
2	5	1	0
3	0	2	0
Average	1,7	2,0	0,3
Test n°	Dynamic time [s]		
	Point 10	Point 11	Point 12
1	0,00	0,00	0,04
2	0,08	0,00	0,04
3	0,00	0,00	0,05
Average	0,03	0,00	0,04

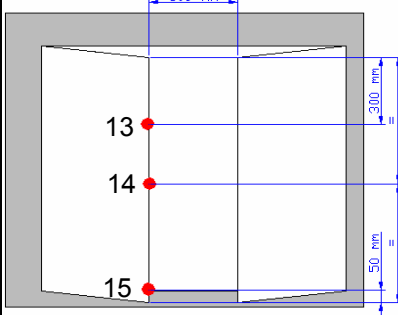
The average forces found are within the limits defined in the UNI EN 12453(2002) req.

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Measurement of force - UNI EN 12453(2002) point 5

- Environmental conditions of test: Temperature: 30,0 °C
Humidity: 33,0 % U.R.
- Set-up of test sample: Opening torque: 80 %
Closing torque: 80 %
Opening slow-down torque: 50 %
Closing slow-down torque: 50 %

Opening of the wing 500 mm, between the primary edge and the opposite edge

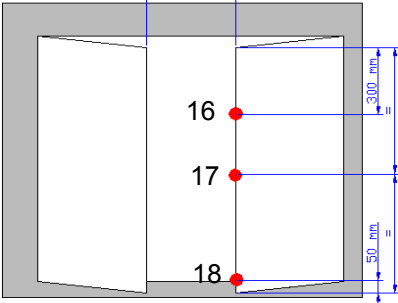


Test n°	Dynamic force [N]		
	Point 13	Point 14	Point 15
1	249	280	393
2	170	231	380
3	181	290	426
Average	200,0	267,0	399,7
Test n°	Static force [N]		
	Point 13	Point 14	Point 15
1	7	7	6
2	8	6	6
3	8	8	9
Average	7,7	7,0	7,0
Test n°	Final force [N]		
	Point 13	Point 14	Point 15
1	0	0	1
2	0	0	0
3	1	1	2
Average	0,3	0,3	1,0
Test n°	Dynamic time [s]		
	Point 13	Point 14	Point 15
1	0,10	0,09	0,05
2	0,09	0,07	0,05
3	0,09	0,09	0,05
Average	0,09	0,08	0,05

The average forces found are within the limits defined in the UNI EN 12453(2002) req.

The average forces found are within the limits defined in the UNI EN 12453(2002) reg.

Opening of the wing 500 mm, between the primary edge and the opposite edge



Test n°	Dynamic force [N]		
	Point 16	Point 17	Point 18
1	199	189	278
2	188	237	295
3	191	199	293
Average	192,7	208,3	288,7
Test n°	Static force [N]		
	Point 16	Point 17	Point 18
1	10	7	12
2	11	8	6
3	8	7	7
Average	9,7	7,3	8,3
Test n°	Final force [N]		
	Point 16	Point 17	Point 18
1	0	0	0
2	0	0	0
3	0	0	1
Average	0,0	0,0	0,3
Test n°	Dynamic time [s]		
	Point 16	Point 17	Point 18
1	0,01	0,03	0,04
2	0,08	0,04	0,05
3	0,01	0,04	0,05
Average	0,03	0,04	0,05

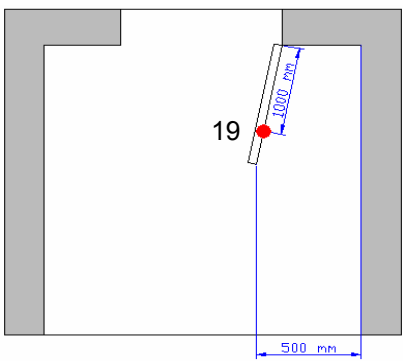
The average forces found are within the limits defined in the UNI EN 12453(2002) req.

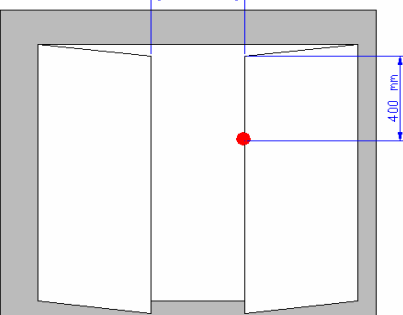
The average forces found are within the limits defined in the UNI EN 12453(2002) reg.

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- Description of the test: The test was carried out according to the UNI EN 12445(2002) regulation Point 5 and UNI EN 13241-1(2004) regulation Point 4.3.3.
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- Date of test: 2005-05-25

Measurement of force - UNI EN 12453(2002) point 5

- Environmental conditions of test: Temperature: 30,0 °C
Humidity: 33,0 % U.R.
- Set-up of test sample: Opening torque: 80 %
Closing torque: 80 %
Opening slow-down torque: 50 %
Closing slow-down torque: 50 %

Opening of the wing 500 mm, between the back edge and the adjacent sides		
	Test n°	Dynamic force [N]
		Point 19
	1	164
	2	140
	3	138
	Average	147,3
	Test n°	Static force [N]
		Point 19
	1	9
	2	28
	3	25
	Average	20,7
	Test n°	Final force [N]
		Point 19
	1	6
	2	3
	3	1
	Average	3,3
	Test n°	Dynamic time [s]
		Point 19
	1	0,66
	2	0,00
	3	0,00
	Average	0,22
The average forces found are within the limits defined in the UNI EN 12453(2002) reg.		

Opening of the wing 500 mm, between the primary edge and the opposite edge		
Point chosen by the laboratory		
	Test n°	Dynamic force [N]
		Point 20
	1	267
	2	227
	3	251
	Average	248,3
	Test n°	Static force [N]
		Point 20
	1	8
	2	6
	3	8
	Average	7,3
	Test n°	Final force [N]
		Point 20
	1	0
	2	0
	3	0
	Average	0,0
	Test n°	Dynamic time [s]
		Point 20
	1	0,08
	2	0,08
	3	0,09
	Average	0,08
The average forces found are within the limits defined in the UNI EN 12453(2002) reg.		

- Machines / equipment used: Force tester Microtronics BlueForce.
- Description of the test: The test was carried out according to the UNI EN 12445(2002) regulation Point 5 and UNI EN 13241-1(2004) regulation Point 4.3.3.
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