



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

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



Test report n° 191/05



Composed of 4 pages of test report and 25 of attachment

- date 2005-07-27

- request 147

- date 2005-04-21

Refers to

- subject Gate with IGEA BT motor and LIBRA MA

- main characteristics

Width and height	4,975X1,150 m
Weight gate	200 kg
Motor power	24 V dc
Sensing edge	Not present

- model -----

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

- registration n° CERT 0147/05

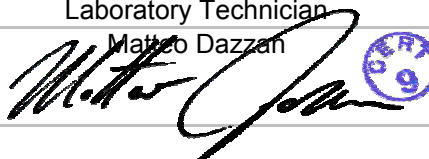

- date of arrival ---

- date of tests 2005-06-22

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 Lancenigo di Villorba (TV)
Tel. 0422/608858 - Fax 0422/608866
Videokonferenza 0422/910201
www.tvtecnologia.it
tne@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
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Laboratory Technician Matteo Dazzan 	Laboratory Technical Manager Alessandro Cibin 
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Measurement of force - UNI EN 12453(2002) point 5

- Environmental conditions of test: Temperature: 33,0 °C
Humidity: 28,0 % U.R.
- Set-up of test sample: Slow-down speed: 3
Opening slow-down torque: 18 %
Closing slow-down torque: 18 %

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	179	320	326
	2	217	302	355
	3	195	297	388
	Average	197,0	306,3	356,3
	Test n°	Static force [N]		
		Point 1	Point 2	Point3
	1	7	9	8
	2	16	29	11
	3	29	22	29
	Average	17,3	20,0	16,0
	Test n°	Final force [N]		
		Point 1	Point 2	Point3
1	0	6	1	
2	1	3	1	
3	2	1	0	
Average	1,0	3,3	0,7	
Test n°	Dynamic time [s]			
	Point 1	Point 2	Point3	
1	0,06	0,45	0,49	
2	0,07	0,28	0,49	
3	0,33	0,25	0,49	
Average	0,15	0,33	0,49	

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 4	Point 5	Point 6
	1	208	206	348
	2	260	173	382
	3	224	211	412
	Average	230,7	196,7	380,7
	Test n°	Static force [N]		
		Point 4	Point 5	Point 6
	1	10	21	8
	2	20	8	2
	3	9	5	26
	Average	13,0	11,3	12,0
	Test n°	Final force [N]		
		Point 4	Point 5	Point 6
1	0	0	0	
2	0	0	0	
3	0	0	2	
Average	0,0	0,0	0,7	
Test n°	Dynamic time [s]			
	Point 4	Point 5	Point 6	
1	0,29	0,07	0,27	
2	0,06	0,07	0,44	
3	0,03	0,30	0,61	
Average	0,13	0,15	0,44	

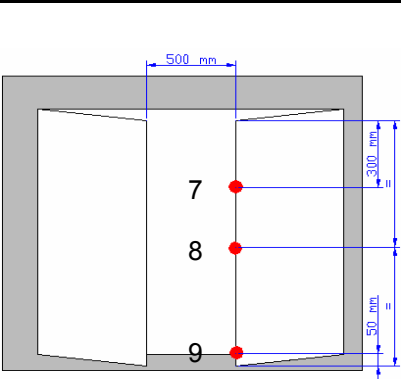
The average forces found are within the limits defined in the UNI EN 12453(2002) reg.

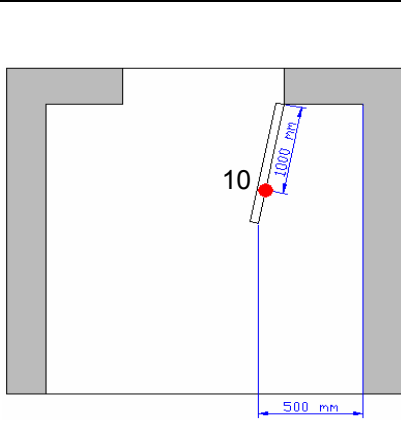
- Machines / equipment used: Force tester Microtronics BlueForce.
- Description of the test: The test was carried out according to the UNI EN 12445(2002) regulation Point 5 and UNI EN 13241-1(2004) regulation Point 4.3.3.
- Notes: The test was carried out on a specimen prepared and installed by the firm BFT S.p.A. via Lago di Vico 44 - 36015 Schio (VI).
- Date of test: 2005-06-22

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Opening slow-down torque: 18 %
Closing slow-down torque: 18 %

Opening of the wing 500 mm, between the primary edge and the opposite edge				
	Test n°	Dynamic force [N]		
		Point 7	Point 8	Point 9
	1	172	256	234
	2	243	273	219
	3	275	302	195
	Average	230,0	277,0	216,0
	Test n°	Static force [N]		
		Point 7	Point 8	Point 9
	1	20	6	3
	2	11	23	7
3	9	7	6	
Average	13,3	12,0	5,3	
Test n°	Final force [N]			
	Point 7	Point 8	Point 9	
1	4	4	0	
2	2	4	3	
3	0	0	0	
Average	2,0	2,7	1,0	
Test n°	Dynamic time [s]			
	Punto 7	Punto 8	Punto 9	
1	0,04	0,51	0,48	
2	0,08	0,51	0,29	
3	0,36	0,54	0,27	
Average	0,16	0,52	0,35	
The average forces found are within the limits defined in the UNI EN 12453(2002) reg.				

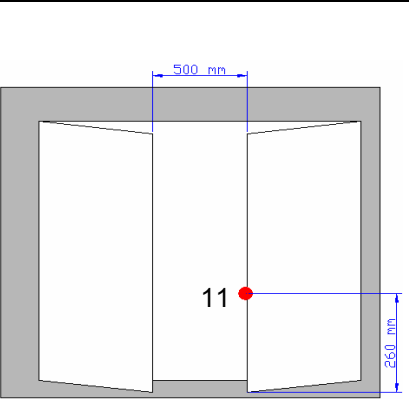
Opening of the wing 500 mm, between the back edge and the adjacent sides			
	Test n°	Dynamic force [N]	
		Point 10	
	1	267	
	2	351	
	3	381	
	Average	333,0	
	Test n°	Static force [N]	
		Point 10	
	1	24	
	2	9	
3	10		
Average	14,3		
Test n°	Final force [N]		
	Point 10		
1	1		
2	2		
3	0		
Average	1,0		
Test n°	Dynamic time [s]		
	Point 10		
1	0,72		
2	0,75		
3	0,72		
Average	0,73		
The average forces found are within the limits defined in the UNI EN 12453(2002) reg.			

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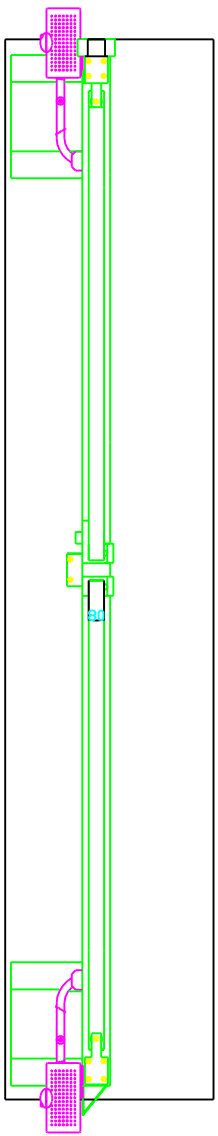
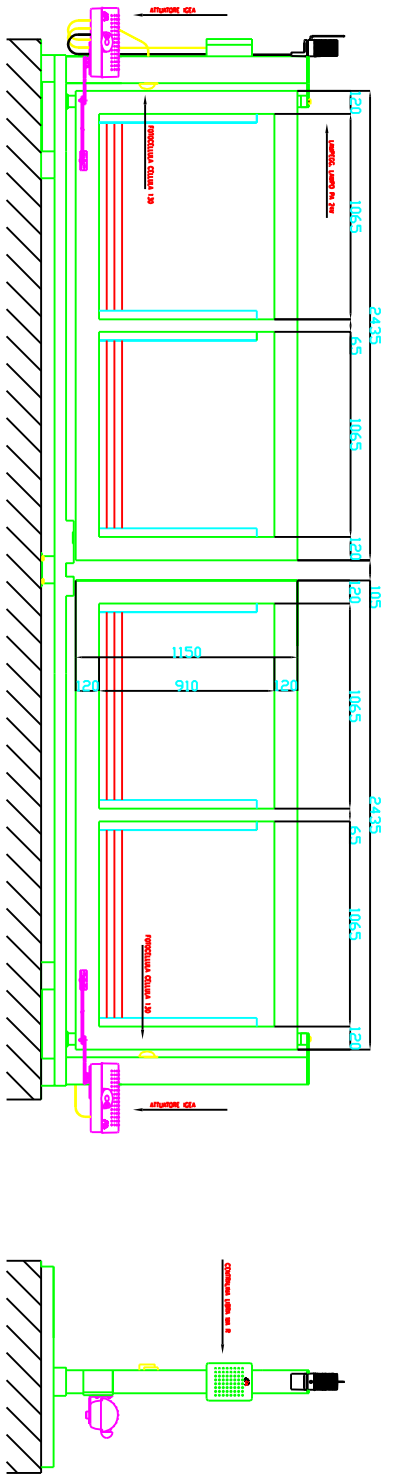
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- Set-up of test sample: Slow-down speed: 3
Opening slow-down torque: 18 %
Closing slow-down torque: 18 %

Opening of the wing 500 mm, between the primary edge and the opposite edge	
Point chosen by the laboratory	
	Test n°
	1
	2
	3
	Average
	Test n°
	1
	2
	3
	Average
	Test n°
	1
	2
	3
	Average
Test n°	
1	
2	
3	
Average	
Test n°	
1	
2	
3	
Average	

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

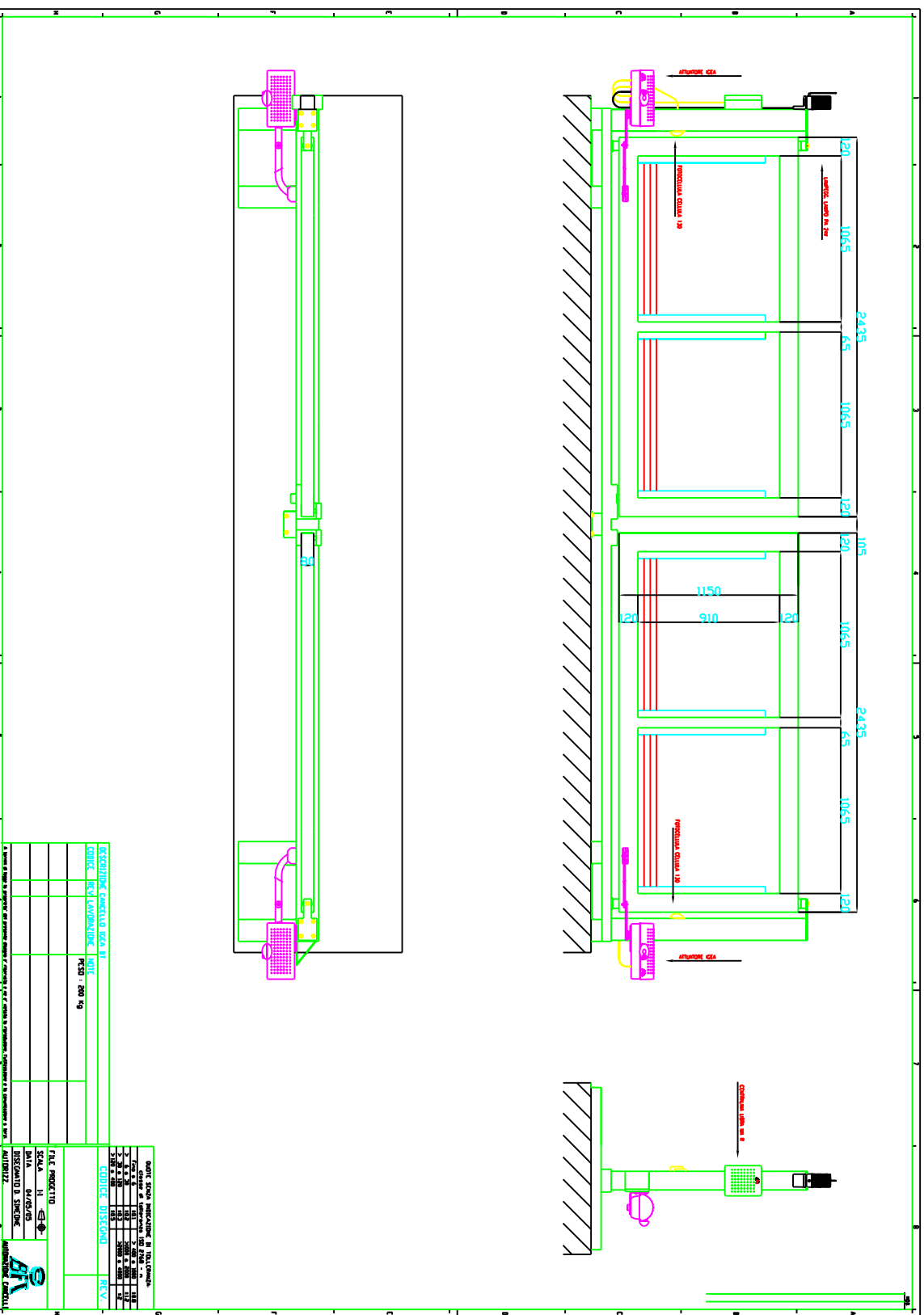
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DESCRIZIONE COMPONENTI DELLA RT		CONDIZIONE	REVISIONE
CONDIZIONE	RTS (LAVORAZIONE)	NOI	
	PC/SOFT	200	1/3

FILE PRODOTTO		CONDIZIONE	REVISIONE
SCALE	H		
DATA	04/03/03		
DISegnATI	B. SPINDE		
APPROVATI			

DATA	OPERAZIONE	OPERATORE
04/03/03	PROGETTO	B. SPINDE
04/03/03	VERIFICA	B. SPINDE
04/03/03	APPROVAZIONE	B. SPINDE



LAVORAZIONE: RT (LAVORAZIONE) - PC/SOFT: 200 1/3 - CONDIZIONE: NOI - REVISIONE:

