

**Veneta Engineering s.r.l.**  
 37135 VERONA Via Lovanio 8/10  
 Telefono 0458200948 telefax: 0458201982  
 www.venetaengineering.it

Organismo notificato di certificazione europea n. 0505  
 Macchine - Ascensori - Recipienti semplici a pressione - Rumore  
 Organismo d'ispezione di tipo "A" impianti elettrici

**9101**  
**VERIFICA**  
**ATTREZZATURE**  
**DALAVORO**

**Laboratorio di Prove**

Authorized by Ministero dello Sviluppo Economico on 15 Jan. 2009 pursuant to articles 10 & 11 part A of FCC Directive 89/686/EEC. TPE-Personal Protective Equipment dated 01 Jan. 08 (G.U. no. 24 of 29 Jan. 08)

To:  
 HB SECURITY S.R.L.  
 VIA DELL ADIGE, 5  
 CORTACCIA (BZ)

TEST REPORT No. <b>293/EN VAR</b>	date: <b>03/04/2012</b>	<b>ORIGINAL</b>
Acceptance record no. 79788	date: <b>27/02/12</b>	
<b>TESTS ON ANCHOR DEVICES - PROTECTION AGAINST FALL FROM A HEIGHT</b>		<b>EN 795 P9101 -</b>

dates: test start <b>21/03/2012</b> test end <b>21/03/2012</b> sample
samples delivered <b>SAFETY LINE H-50--</b>

REF. (as declared by client)	MARKET NAME <b>SAFETY LINE H-50</b>
	CHARACTERISTICS
	SAMPLING SITE

GENERAL DATA	DECLARED CLASS (POINT 4,3) <b>C</b> anchor devices that use flexible horizontal safety lines
	FIXING BASE FIXED WITH 6 M12 BOLTS depth 25 mm on steel plate
	TOTAL L 100 m - TEST CARRIED OUT AT 5 m MULTI SPAN
	OVERHANG FROM BASE 500mm WITH FIXED SECTION
	LOAD APPLICABLE WITH TENSIONER AND SPRING
PROTOTYPE - tests on prototype	



**NOTE: REPLACEMENT OF SPRING and of every damaged element AT EACH TEST**  
**NOTE: REPLACE SPRING and every damaged element AFTER EVERY RESCUE INTERVENTION**

inspections		markings found on sample under inspection <b>NONE</b>			
tests	<b>STATIC resistance test point 5,2,4</b>		<b>TEST PASSED</b>		
	anchoring structure <b>steel</b>				
	applied force	kN	<b>6</b>	declared value	4 OK
	(FORCE APPLIED IN THE DIRECTION IN WHICH SAID FORCE CAN BE APPLIED DURING OPERATION)				
	application time	min	<b>3</b>	minimum	3 OK
	THE DEVICE	<b>HOLDS</b>	THE LOAD	static test outcome: <b>OK</b>	
	<b>DYNAMIC resistance test point 5,3,4,3</b>		<b>TEST PASSED</b>		
	anchoring structure <b>steel</b>				
	falling mass	kg	<b>100</b>	std value	100 OK
	developed force	kN	<b>14,16</b>	minimum	12 OK
	THE MASS	<b>HAS</b>	<b>BEEN ARRESTED BY THE DEVICE</b>		dynamic resistance test outcome: <b>OK</b>
	<b>DYNAMIC performance test point 5,3,4,2</b>		<b>TEST PASSED</b>		
	anchoring structure <b>steel</b>				
	falling mass	kg	<b>100</b>	std value	100 OK
	developed force	kN	<b>8,97</b>	minimum	6 OK
horizontal distance	mm	<b>290</b>	maximum	300 OK	
developed force on the anchor line (*)	kN	<b>10,8</b>		13,09 OK	
		<b>2,47</b>		2,07 OK	
line sag at point matching with anchor point	mm	<b>855</b>	declared by manufacturer:	745 OK	
(*) both force measurement devices were applied after at least one angled passage. dynamic performance test outcome: <b>OK</b>					

ANALYSIS OUTCOMES: STATIC TEST: **PASSED** DYNAMIC TEST: **PASSED**

**THE OVERALL OUTCOME OF THE TESTS CONFIRMS THE CLASS DECLARED ( C )**

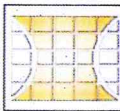
NOTES NV = not evaluated NC = not compliant

the experimenter  
 Cardinetti ing. Angelo

*Angelo Cardinetti*

the head of laboratory  
 dott.ing. Loris Turella

*Loris Turella*



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**Laboratorio di Prove**

**9101**  
**VERIFICA**  
**ATTREZZATURE**  
**DALAVORO**


Authorized by Ministero dello Sviluppo Economico on 13 Jan, 2008 pursuant to articles 10 & 11 part A of EEC Directive 89/686/EEC "PPE - Personal Protective Equipment", dated 01 Jan, 08 (G.U. no. 24 of 29 Jan, 08)

To:  
 HB SECURITY S.R.L.  
 VIA DELL ADIGE, 5  
 CORTACCIA (BZ)

TEST REPORT No. <b>293/EN VAR</b>	date: <b>03/04/2012</b>	<b>ORIGINAL</b>
Acceptance record no. 79788	date: 27/02/12	
<b>TESTS ON ANCHOR DEVICES - PROTECTION AGAINST FALL FROM A HEIGHT</b>		<b>EN 795 P9101 -</b>

dates: test start <b>21/03/2012</b> test end <b>21/03/2012</b> sample
samples delivered SAFETY LINE H-50--

REF. (as declared by client)	MARKET NAME <b>SAFETY LINE H-50</b>
	CHARACTERISTICS
	SAMPLING SITE

DECLARED CLASS (POINT 4.3)	<b>C</b>	anchor devices that use flexible horizontal safety lines
GENERAL DATA	FIXING BASE FIXED WITH 6 M12 BOLTS depth 25 mm on steel plate TOTAL L 100 m - TEST CARRIED OUT AT 15 m MULTI SPAN OVERHANG FROM BASE 500mm WITH FIXED SECTION LOAD APPLICABLE WITH TENSIONER AND SPRING PROTOTYPE - tests on prototype	
		
	<b>NOTE: REPLACEMENT OF SPRING AT EACH TEST</b> <b>NOTE: REPLACE SPRING AFTER EVERY RESCUE INTERVENTION</b>	

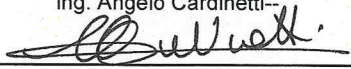
**inspections, measures and tests carried out**

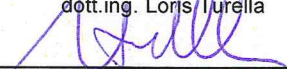
inspections	markings found on sample under inspection	<b>NONE</b>		
tests	<b>STATIC resistance test</b>		<b>point 5,2,4</b>	<b>TEST PASSED</b>
	anchoring structure		steel	
	applied force	KN	<b>6</b>	declared value 4 OK
	<small>(FORCE APPLIED IN THE DIRECTION IN WHICH SAID FORCE CAN BE APPLIED DURING OPERATION)</small>			
	application time	min	<b>3</b>	minimum 3 OK
	THE DEVICE	HOLDS	THE LOAD	static test outcome: OK
	<b>DYNAMIC resistance test</b>		<b>point 5,3,4,3</b>	<b>TEST PASSED</b>
	anchoring structure		steel	
	falling mass	kg	<b>100</b>	std value 100 OK
	developed force	KN	<b>12</b>	minimum 12 OK
	THE MASS	<b>HAS</b>	BEEN ARRESTED BY THE DEVICE	dynamic resistance test outcome: OK
	<b>DYNAMIC performance test</b>		<b>point 5,3,4,2</b>	<b>TEST PASSED</b>
	anchoring structure		steel	
	falling mass	kg	<b>100</b>	std value 100 OK
	developed force	KN	<b>8,3</b>	minimum 6 OK
	horizontal distance	mm	<b>285</b>	maximum 300 OK
	developed force on the anchor line (*)	KN	<b>13</b>	13,97 OK
		KN	<b>2,4</b>	2,04 OK
	line sag at point matching with anchor point	mm	<b>1285</b>	declared by manufacturer: 1118 OK
	<small>(*) both force measurement devices were applied after at least one angled passage.</small>			
		dynamic performance test outcome: OK		

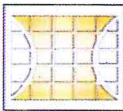
ANALYSIS OUTCOMES      STATIC TEST: **PASSED**      DYNAMIC TEST: **PASSED**

**THE OVERALL OUTCOME OF THE TESTS CONFIRMS THE CLASS DECLARED ( C )**

NOTES    NV = not evaluated    NC = not compliant

the experimenter  
 ing. Angelo Cardinetti--  


the head of laboratory  
 dott.ing. Loris Turella  




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**DALAVORO**

**Laboratorio di Prove**

Authorized by Ministero dello Sviluppo Economico on 15 Jan. 2009 pursuant to articles 10 & 11 part A of EEC Directive 89/684/EEC "PPE-Personal Protective Equipment", dated 01. Jan. 08 (G.U. no. 24 of 29 Jan. 08)


To:  
 HB SECURITY S.R.L.  
 VIA DELL ADIGE, 5  
 CORTACCIA (BZ)

TEST REPORT No. <b>293/EN VAR</b>	date: <b>03/04/2012</b>	<b>ORIGINAL</b>
Acceptance record no. 79788	date: <b>27/02/12</b>	
<b>TESTS ON ANCHOR DEVICES - PROTECTION AGAINST FALL FROM A HEIGHT</b>		<b>EN 795 P9101 -</b>

dates: test start <b>21/03/2012</b>	test end <b>21/03/2012</b>	sample
samples delivered <b>SAFETY LINE H-50--</b>		

REF. (as declared by client)	MARKET NAME <b>SAFETY LINE H-50</b>
	CHARACTERISTICS
	SAMPLING SITE

GENERAL DATA	DECLARED CLASS (POINT 4,3) <b>C</b>	anchor devices that use flexible horizontal safety lines
	FIXING BASE FIXED WITH 6 M12 BOLTS depth 25 mm on steel plate	
	LIGHT FROM 5 TO 15 m - TEST CARRIED OUT AT 15 m SINGLE SPAN	
	OVERHANG FROM BASE 500mm WITH FIXED SECTION	
	LOAD APPLICABLE WITH TENSIONER AND SPRING	
	PROTOTYPE - tests on prototype	
NOTE: REPLACEMENT OF SPRING AT EACH TEST		
NOTE: REPLACE SPRING AFTER EVERY RESCUE INTERVENTION		



**inspections, measures and tests carried out**

inspections	markings found on sample under inspection <b>NONE</b>
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tests	<b>STATIC resistance test point 5,2,4</b>		<b>TEST PASSED</b>		
	anchoring structure <b>steel</b>				
	applied force	kN <b>6</b>	declared value	4 OK	
	(FORCE APPLIED IN THE DIRECTION IN WHICH SAID FORCE CAN BE APPLIED DURING OPERATION)				
	application time	min <b>3</b>	minimum	3 OK	
THE DEVICE <b>HOLDS</b>		THE LOAD	static test outcome: <b>OK</b>		

tests	<b>DYNAMIC resistance test point 5,3,4,3</b>		<b>TEST PASSED</b>	
	anchoring structure <b>steel</b>			
	falling mass	kg <b>100</b>	std value	100 OK
	developed force	kN <b>13,37</b>	minimum	12 OK
	THE MASS <b>HAS</b>	BEEN ARRESTED BY THE DEVICE		dynamic resistance test outcome: <b>OK</b>

tests	<b>DYNAMIC performance test point 5,3,4,2</b>		<b>TEST PASSED</b>	
	anchoring structure <b>steel</b>			
	falling mass	kg <b>100</b>	std value	100 OK
	developed force	kN <b>9,34</b>	minimum	6 OK
	horizontal distance	mm <b>285</b>	maximum	300 OK
	developed force on the anchor line	kN <b>17,82</b>		18,62 OK
	line sag at point matching with anchor point	mm <b>545</b>	declared by manufacturer:	600 OK
dynamic performance test outcome: <b>OK</b>				

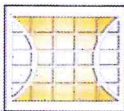
ANALYSIS OUTCOMES	STATIC TEST: <b>PASSED</b>	DYNAMIC TEST: <b>PASSED</b>
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**THE OVERALL OUTCOME OF THE TESTS CONFIRMS THE CLASS DECLARED ( C )**

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Authorized by Ministero dello Sviluppo Economico on 15 Jan. 2008 pursuant to article 10 & 11 part A of EEG Directive 89/36/EEC "Personal Protective Equipment" dated 01 Jan. 08 (G.U. no. 24 of 29 Jan. 08)


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dates: test start <b>21/03/2012</b>	test end <b>21/03/2012</b>	sample
samples delivered <b>SAFETY LINE H-50--</b>		

REF. (as declared by client)	MARKET NAME <b>SAFETY LINE H-50</b>
	CHARACTERISTICS
	SAMPLING SITE

GENERAL DATA	DECLARED CLASS (POINT 4,3) <b>C</b>	anchor devices that use flexible horizontal safety lines
	FIXING BASE FIXED WITH 6 M12 BOLTS depth 25 mm on steel plate	
	LIGHT FROM 5 TO 15 m - TEST CARRIED OUT AT 15 m SINGLE SPAN	
	OVERHANG FROM BASE 500mm WITH FIXED SECTION	
	LOAD APPLICABLE WITH TENSIONER AND SPRING	
PROTOTYPE - tests on prototype		
NOTE: REPLACEMENT OF SPRING AT EACH TEST		
NOTE: REPLACE SPRING AFTER EVERY RESCUE INTERVENTION		



**inspections, measures and tests carried out**

inspections	markings found on sample under inspection <b>NONE</b>
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tests	<b>STATIC resistance test point 5,2,4</b>		<b>TEST PASSED</b>
	anchoring structure <b>steel</b>		
	applied force	kN <b>6</b>	declared value <b>4</b> OK
	(FORCE APPLIED IN THE DIRECTION IN WHICH SAID FORCE CAN BE APPLIED DURING OPERATION)		
	application time	min <b>3</b>	minimum <b>3</b> OK
THE DEVICE <b>HOLDS</b>		THE LOAD	static test outcome: <b>OK</b>

tests	<b>DYNAMIC resistance test point 5,3,4,3</b>		<b>TEST PASSED</b>
	anchoring structure <b>steel</b>		
	falling mass	kg <b>100</b>	std value <b>100</b> OK
	developed force	kN <b>14,16</b>	minimum <b>12</b> OK
	THE MASS <b>HAS</b>	BEEN ARRESTED BY THE DEVICE	

tests	<b>DYNAMIC performance test point 5,3,4,2</b>		<b>TEST PASSED</b>
	anchoring structure <b>steel</b>		
	falling mass	kg <b>100</b>	std value <b>100</b> OK
	developed force	kN <b>6,84</b>	minimum <b>6</b> OK
	horizontal distance	mm <b>300</b>	maximum <b>300</b> OK
	developed force on the anchor line	kN <b>19,65</b>	<b>18,19</b> OK
	line sag at point matching with anchor point	mm <b>1130</b>	declared by manufacturer: <b>950</b> OK
dynamic performance test outcome: <b>OK</b>			

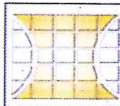
ANALYSIS OUTCOMES	STATIC TEST: <b>PASSED</b>	DYNAMIC TEST: <b>PASSED</b>
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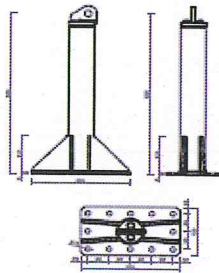
TEST REPORT No. <b>293/EN VAR</b>	date: <b>03/04/2012</b>	<b>ORIGINAL</b>
Acceptance record no. 79788	date: <b>27/02/12</b>	
<b>TESTS ON ANCHOR DEVICES - PROTECTION AGAINST FALL FROM A HEIGHT</b>		<b>EN 795 P9101 -</b>

dates: test start <b>21/03/2012</b> test end <b>21/03/2012</b> sample
samples delivered <b>SAFETY LINE H-50--</b>

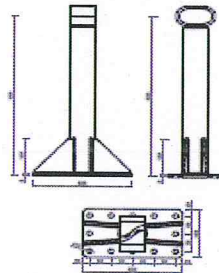
REF. (as declared by client)	MARKET NAME <b>SAFETY LINE H-50</b>
	CHARACTERISTICS
	SAMPLING SITE

**DEVICE DIAGRAM**

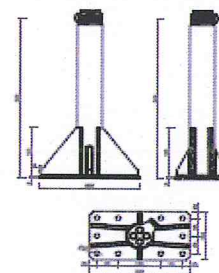
**PALO H50 PARTENZA**



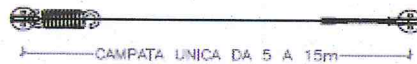
**PALO H50 INTERMEDIO**



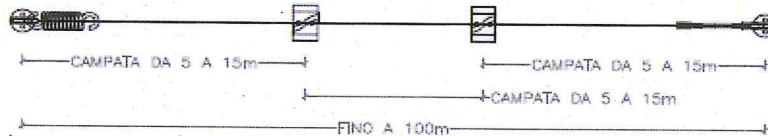
**PALO H50 CURVA**



**CAMPATA UNICA**



**CAMPATA MULTIPLA**



**INSTALLAZIONE CON CURVA**

