## **GENERAL CONDITIONS OF THE HORIZONTAL LIFELINE ZE 320 UTILIZATION**

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# Instruction Manual 0082 5:1996 CLASS B Ref. ZE 320 xx



able horizontal lifeline ZE 320 is a component of a personal fall arrest equipment. It should be used in nen the worker has to move often in horizontal plane.

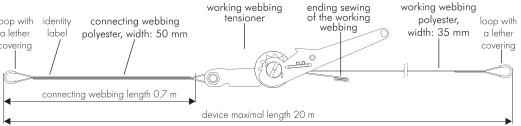
able horizontal lifeline ZE 320 is a temporary anchor device type class B and is tested and complied with

able horizontal lifeline ZE 320 is the protection for a 1-3 persons.

# UIPMENT

Tape tensioner made of zinc plated steel and powder painted steel

- rope made of polyester tape 35 mm and of length 19 m
- ing rope made of polyester tape 50 mm of length 0,7 m



# )N!

able horizontal lifeline ZE 320 can be equiped only with certyfied (according to EN 362) snap hooks.

# **FOF THE DEVICE IDENTITY LABEL**

name (type) of the device				_	month/	year of the device manufacture
reference number of the device*	Adjustable			INE	numl	ber of the manufacturing series
identity number of the authorized body	AE 320 XX	Serial number:	DOM: 11.2007	EXPIRY:		month/year of the expiry date
suitable norm and class	€ 0082 EN 795:1996 CLASS B		11.2007			
	Read the instruction manual before use				name of	f the manufacturer or distributor
* XX - lenght: (10 m or 20 m)		zero tolerance is	essential			

					~	
Maximum	number	ot	attached	workers	- 3	

For use with personal fall arrest systems according to EN 354/355; EN 354/353-2

Ground clearance and strength of structural anchor point according to instruction manual.

Safemaster Safety Products 31-33 Catalano Rd, Canning Vale 6155 WA, Australia

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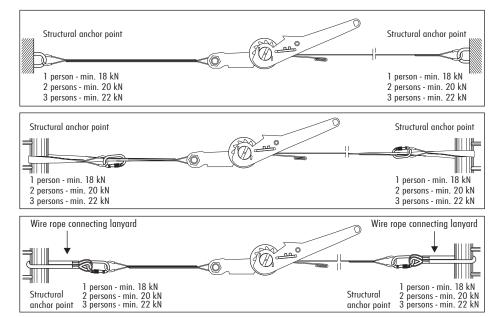
P: (08) 6243 3111 E: sales@safemaster.net.au W: www.safemaster.net.au

EC type examination carried out by APAVE SUDEUROPE SAS, BP 193, 13322 Marseille, France - 0082

#### METHODS OF CONNECTING THE HORIZONTAL LIFELINE TO THE STRUCTURAL ANCHOR POINTS

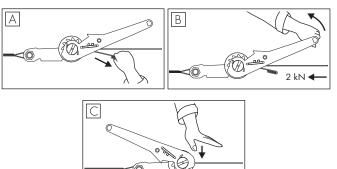
#### Attention!

- •The shape of the structural anchor points should not let self-acting disconection of the lifeline.
- •The structural anchor points have to be situated on the same level and have a minimal static resistance 18 kN, 20 kN, 22 kN.



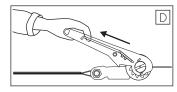
#### ADJUSTING THE LENGTH AND THE TENSION OF THE HORIZONTAL LIFELINE

- Tension the working webbing by hand.
   Tension the working webbing with stren
   Check a closing of the rope tensioner
  - Tension the working webbing with strength about 2 kN by a lever in accordance with arrow.
  - Check a closing of the rope tensioner release lever to avoid an accidental loosing of the lifeline.



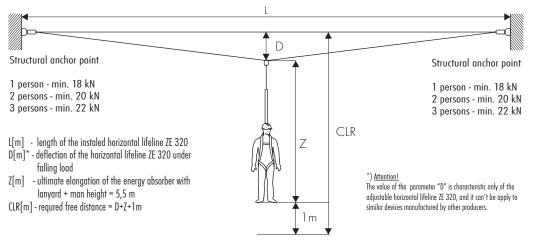
# **DISASSEMBLY OF THE HORIZONTAL LIFELINE**

D To disassembly the lifeline pull out the internal rod of the webbing tensioner and release lever by hand.



### **BASIC RULES OF USING THE ADJUSTABLE HORIZONTAL LIFELINE ZE 320**

- the horizontal lifeline must only be used by a person previously trained for working at heights.
- the horizontal lifeline is a personal equipment and should be use by one worker.
- before each use, a close visual examination of the rope tensioner, snap hooks, ropes, splices, must be done in respect of mechanical, chemical and thermal defects. The examination must be done by a person who is going to uset the horizontal lifeline. In the case of any defect or doubt of correct condition of the horizontal lifeline, do not use it.
- using the horizontal lifeline requires free distance below the rope level. This distance depends on the lifeline length. See drawing below.



Number of	L										
	5 m		7 m		10 m		15 m		20 m		
persons	D [m]	F [kN]									
1	0,65	18,00	0,91	18,00	1,30	18,00	1,94	18,00	2,59	18,00	
2	0,68	20,00	0,96	20,00	1,37	20,00	2,05	20,00	2,73	20,00	
3	0,72	22,00	1,00	22,00	1,43	22,00	2,15	22,00	2,86	22,00	

- the adjustable horizontal lifeline ZE 320 should be tensioned between two structural points with strength 2 kN.
- when a calculated value of the CLR is higher then free distance at the particular working place we have to:
- employ an energy absorber with lanyard with shorter entire length;
- employ a permanent fall arrest system with rigid lifeline.
- using the horizontal lifeline, in connection with fall arrest system, must be compatible with manual instructions of the fall arrest systems and obligatory standards:
  - -EN354 for the safety lanyards;
- EN355 for the energy absorbers;
- -EN361 for the safety harness;
- EN362 for the connectors.
- it is strictly forbidden using the horizontal lifeline in the explosion zone.
- during using the horizontal lifeline must be protected from a contact with oils, acids, solvents, basics, open fire, hot metal drops and sharp edges. We should avoid using the lifeline in the dust laden and gresy environment.
- the energy absorber with lanyard is the only fall arrest subassembly which can be used to connect the worker safety harness to the horizontal lifeline ZE 320.
- it is strictly forbidden using any retractable type fall aresters or guided type fall arresters instead of the energy absorber with lanyard.
- it is strictly forbidden making any modifications to the horizontal lifline by yourself.