

Application

The **CA9-TE** series are **yarn cutters** devoted to **textile machines**. They can cut up to **7 000 dtex** yarns.

FUNCTIONS: When operating on yarn machines, the breaking of one (or more) yarn has to be detected immediately and automatically. Yarn sensors play this part. To **avoid a "wild" rewinding** which could be cause of perturbations on neighbouring sites, even of breaking of the machine, it is recommended to mount **CA9-TE** onto the machines. First they cut off the broken yarns, **second they grip them**.

On winding machines, the yarn has to be **cut when the bobbin is full**. **CA9-TE** series have to be manually reloaded.

PRINCIPLE: The yarn passes through the groove of the yarn cutter and is led by two guides. When occurring, a hammer (knife) striking against an anvil cuts the yarn. The electromagnet, activated by the yarn sensor, attracts the framework and releases the blade. Striking strength is supplied by a compressed spring triggered by the electromagnet. A pincer holds the yarn.

ELECTRICAL PROTECTION: The **CA9-TE** series are protected against reversed polarities and is dust resistant



Characteristics :

- Power supply : 18 to 30 V
- Cutting capacity up to 7 000 dtex
- Visual alarm (red LED)
- Can be delivered fixed on following aluminium rails
- Push button for manual cutting

These characteristics are adapted to operator's requirements (Referenced to the codification board)

Dimensions (mm)

CA9-TE with LED and trigger	CA9-TE can be adapted on following aluminium rails		
<p>DZ5-MC333</p>	<p>W10-423807</p>	<p>W10-423800</p>	
Aspect: Weight: Maxi Std length:	Rough extruded 0,85 kg / m 3 meters	Colourless anodization 1,6 kg / m 2 meters	Colourless anodization 2,5 kg / m 4 meters

Yarn-guides	
<p>CA9-TE 011 (Aluminium oxide)</p>	<p>CA9-TE 003 (Aluminium oxide)</p>

Characteristic codification

CA9-TE	X	X	X	X
Count direction				
Blade on left	1			
Pilot light				
Without LED		0		
With LED		2		
Guides				
Without guide			0	
CA9-TE011			1	
CA9-TE003			2	
Manual trigger				
Without				0
With				1

Example

CA9-TE1211 :

- 1 : blade on left
- 2 : with LED
- 1 : with guides CA9-TE011
- 1 : with manual trigger

Electrical characteristics

Parameters	Without LED			With LED		
	Min	Typ	Max	Min	Typ	Max
Power supply (V)	18		30	18		30
Consumption (mA)						
In rush		700			700	
Sealed		23			20	
Consumption (W)						
In rush		17			17	
Sealed		0,5			0,5	
Minimum supply current to cut (mA)	500			500		
Time between 2 successive operations (ms)		500			500	
Closing time of trigger (ms)		6			6	
Cutting time (ms)			1			1
Mechanical life (cuts)	10 000					