

YKK ITEMS THAT PROTECT YOU FROM SERIOUS HEAT

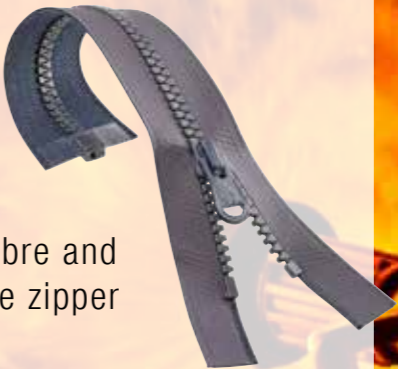
FR14

The flame retardant technology is built into the material by a permanent treatment and is designed to provide effective protection against flames. When exposed, the tape begins to burn. By removing the flame source it becomes extinguished with the aim of providing adequate and effective protection against fire.



FR16

The zipper tape is woven from pre-dyed meta-aramid yarns. The flame retardant technology is permanently embedded into the fibre and after flame and heat exposure, the zipper continues to function.



LK16 (Lenzing™)

Lenzing™ FR® is a sustainably produced inherently flame-resistant cellulosic fibre. Lenzing™ FR® material on the cord improves the zipper performance, even after severe flame and heat exposure, the zipper is configured to continue to work. The yarn contains DuPont Kevlar® fibre, which is usually used in bulletproof vests, by using this fibre allows the zipper tape to become stronger against physical forces.



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	Item name	Fire	Water	Lightweight	Electricity	Quick Release	Product	EN ISO 14116	EN ISO 11612	Top-Open	Metal free FR slider available
FR16	Metal Zipper with Meta-Aramid Tape	X				X	Metal	X	X		
LK16	Metal Zipper with Lenzing FR® Yarn	X					Metal	X	X		
FR16	Excella® Zipper with Meta-Aramid Tape	X					Metal	X	X		
Lk16	Excella® Zipper with Lenzing FR® Yarn	X					Metal	X	X		
FR16	Fire Retardant Top-Open Metal Zipper	X				X	Metal	X	X	X	X
FR16	Anti-Electromagnetic Wave Zipper	X			X		Metal	X	X		
FR-14	VISLON® Zipper with Flame Retardant Treatment	X		X	X					X	X
FR-14	Metal Zipper with Flame Retardant Treatment	X									
FR-14	Coil Zipper with Flame Retardant Treatment	X		X	X		Coil				
FR16	VISLON® Zipper with Meta-Aramid Tape	X		X	X		VISLON®	X	X	X	X
LK16	VISLON® Zipper with Lenzing FR® Yarn	X		X	X		VISLON®	X	X	X	X
LK16/FR16	VISLON® Zipper Flame Retardant Top-Open	X		X	X	X	VISLON®	X	X	X	X
FR16	VISLON® Zipper AquaGuard® FR	X	X				VISLON®	X	X	X	X
LK16/FR16	QuickBurst® FR Zipper	X				X	VISLON®	X	X		

Coil Zipper with Flame Retardant Treatment
Protection against Flames



The flame retardant technology is built into the material by a permanent treatment and provides effective protection against flames. When exposed, the tape begins to burn. By removing the flame source it becomes extinguished with the aim of providing adequate and effective protection against fire.

Technical Information

The treatment used is washable and permanent. Flame retardant plastic sliders are also available.

Coil No. 5 with flame retardant tape FR-14.

Norm Compatibility

FMVSS-302

Code – CIFOR-56 NA9 EWQ P16 FR-14 N-ANTI WASHABLE

Size	Chain	Tape	Classification		
			Closed End	Open End	Two Way
3	CF	P12N	✓	✓	
45	CF	P14	✓	✓	
5	CI	P16	✓	✓	✓
8	CF	P16, P21	✓	✓	✓
10	CF	P19	✓	✓	✓

REF: P17Z013

Excella® with Lenzing™ FR® Yarn
Excella® with Flame Retardant Tape



Excella® zippers are made with fully polished elements, with flame retardant tape recommended for many industrial and consumer applications. Using Kevlar® fibre from DuPont allows the zipper tape to become stronger against physical forces. Due to the dyeable flame retardant tapes, the zipper is suitable for functional and fashionable use.

Technical Information

Lenzing™ FR is a sustainably produced inherently flame-resistant cellulosic fibre. Lenzing™ FR® material on the cord improves the zipper performance, even after severe flame and heat exposure, the zipper is configured to work. The yarn contains DuPont Kevlar® fibre, which is usually used in bulletproof vests, by using this fibre allows the zipper tape to become stronger against physical forces.

Norm Compatibility

IEC ISO 14116 (index 3) / EN ISO 11611 / EN ISO 11612

Code – SGWIMR-5* DA8 I/DAG4 I LK16 N-ANTI

Size	Chain	Tape	Classification		
			Closed End	Open End	Two Way
5	SGK, SGWK	LK16	✓	✓	✓
8	SGWO	LK16	✓	✓	✓

VISLON® with Lenzing™ FR® Yarn

Easy, Smooth Operation with Protection against Heat and Flame



This lightweight zipper can be considered for equipment complying with the latest protective clothing standards. Combining the benefits of flame retardant polyamide zipper elements with aramid / modal based cellulose tape allows for a easy and smooth operation, which protects against heat and flame. In addition to the flame retardant properties, VISLON® with Lenzing™ FR® yarn tape also has high performance structural strength because of added DuPont Kevlar® fibres.

Technical Information

Flame & Heat Resistant - EN ISO 11612:2008, Clause 6.2.1 Heat resistance at 180 degree centigrade. EN ISO 14116:2008, (Index 3) Clause 6.1 Thermal performance (with 5 x cleansing pre-treatment at 60 degree centigrade). All parts are flame retardant.

Lightweight - Lighter than YKK's conventional flame retardant metal zipper
Lenzing™ FR® can be dyed on demand.

Norm Compatibility

EN ISO 11612:2008, clause 6.2.1 / EN ISO 14116:2008, (Index 3) clause 6.1

Code – VSGOR-56 PAZ EN LK16 N-ANTI NEWKOB4

Size	Chain	Tape	Classification		
			Closed End	Open End	Two Way
5	VSG	LK16	✓	✓	✓
8	VSG	LK16	✓	✓	✓

REF: P17Z027

Metal Zipper with Lenzing™ FR® Yarn

Metal Zipper with Flame Retardant Tape



With its strength and performance, our metal zipper with flame retardant tape includes Lenzing™ FR®, can be dyed on demand. Using Kevlar® fibre from DuPont allows the zipper tape to become stronger against physical forces. Due to the dyeable flame retardant tapes, the zipper is suitable for functional and fashionable uses.

Technical Information

Lenzing™ FR® is a sustainably produced inherently flame-resistant cellulosic fibre. Lenzing™ FR® material onto the cord improves the zipper performance, even after severe flame and heat exposure, the zipper is configured to continue to work. The yarn contains DuPont Kevlar® fibre, which is usually used in bulletproof vests. By using this fibre, it allows the zipper tape to become stronger against physical forces. This is an essential for personal protection.

The colours of the tape and elements are available upon request.

Norm Compatibility

IEC ISO 14116 (index 3) / EN ISO 11611 / EN ISO 11612

Code – RGMC-5* DA8FLAME G3/DA8FLAME G3 LK16 N-ANTI SLSB-B

Size	Chain	Tape	Classification		
			Closed End	Open End	Two Way
5	RGKL, Oekotex	LK16	✓	✓	✓

REF: P17Z003

Metal Zipper with
Meta-Aramid Tape
Flame Retardant Metal Zipper



YKK offers flame retardant zippers for many industrial and consumer applications under conditions of extreme heat. This flame retardant zipper with FR tape materials such as Meta-Aramid, Lenzing™ FR® or Conex®, can be used whenever there is a risk of direct contact with open flame or high temperatures.

Technical Information

Our standard fire retardant metal zippers with metal elements and a meta-aramid tape are compliant with FR16 in accordance to EN ISO15025:2016 and are available in various sizes. The zipper tape is woven from pre-dyed meta-aramid yarns. The permanent flame retardant technology is embedded into the fibre. After severe flame and heat exposure, the zipper is designed to work without afterglow or any loss of function.

Norm Compatibility

EN469 / EN14116 / EN11612

Code - RGKC-56 DA8 V7 FR16 N-ANTI

Size	Chain	Tape	Classification		
			Closed End	Open End	Two Way
5	RG, RGK, RGKB	FR16	✓	✓	✓
8	MG, MGK, MGKB	FR16	✓	✓	✓
10	MA, MG, MGK	FR19	✓	✓	✓

REF: P17Z002

Flame Retardant Top-Open
Metal Zipper
Meta-Aramid Tape with Top-Open



The metal zipper with flame retardant meta-aramid tape also has a top-open function. With this special feature, the top open zipper can be quickly opened in an emergency by pulling the slider beyond the top-stop with a little more force than usual. This disengages the slider which is released from one side of the zipper chain.

Technical Information

This zipper is also available with Excella® elements.

Norm Compatibility

EN469 / EN ISO 14116 (index 3) / EN ISO 11611 / EN ISO 11612 (previously EN 531). When the zipper is correctly sewn onto a garment.

Code – MGOR-106 DA 0 FR19 N-ANTI TOP-OP

Size	Chain	Tape	Classification		
			Closed End	Open End	Two Way
8	RGM, RGMKB, SGI, SGO	FR16		✓	
10	MA, MG, MGK	FR19		✓	

REF: P17Z006

Excella® with
Meta-Aramid Tape

Excella® with a Tape Woven from
Pre-Dyed Meta-Aramid Yarns



Excella® zippers are made with fully polished elements with flame retardant tape and is recommended for many industrial and consumer applications. This flame retardant zipper with FR tape materials can be used when there is a risk of contact with high temperatures.

Technical Information

Our Excella® flame retardant zippers are compliant with FR16 in accordance to EN ISO15025:2016 and are available in various sizes.

The zipper tape is woven from pre-dyed meta-aramid yarns. The flame retardant technology is permanently embedded into the fibre and after flame and heat exposure, the zipper is configured to function.

Norm Compatibility

EN469 / EN14116 / EN11612

Code – SGWKMR-5* DA3MDH12 X6/DA3DR8 X6 FR16 EL-X7 P-M4F7

Size	Chain	Tape	Classification		
			Closed End	Open End	Two Way
5	SGI, SGK, SGWC, SGWI, SGWH, SGWK	FR16	✓	✓	✓
8	SGC, SGO, SGWI, SGWK, SGWO	FR16	✓	✓	✓

REF: P17Z004

Anti-Electromagnetic
Wave Zipper

Shielding you from Electromagnetic
Waves



This special zipper is designed to shield users from electromagnetic waves by using NASLON® stainless electric conductive fibres and flame retardant fibre CONEX®. By thin stainless steel wires woven into the tape this flame retardent zipper is designed to remain in tact after severe burning. The flame retardant fibre used is CONEX®.

Technical Information

Under conditions of ultra-high frequency (approx.1GHz) such as TV broadcasting and mobile phone use, by combining NASLON® fibres and YKK's nickel silver elements around 35-40db can be screened reducing possible malfunction in delicate equipment and harmful influence on the body.

Norm Compatibility

UL94 V-0

Code – RNC-56 DA8 N SF16 Ni

Size	Chain	Tape	Classification		
			Closed End	Open End	Two Way
5	RN	SF16	✓	✓	

REF: P17Z008

VISLON® Flame Retardant Top-Open

Quick Release with Flame Retardant Technology



A flame retardant zipper with a quick release function.

Technical Information

Lightweight plastic flame retardant sliders with an automatic lock are available made from ARLENT™, a heat and chemical resistant modified polyamide.

Die-cast sliders are also available for this item.

This item fulfils NFPA (National Fire Protection Association) standards (UL certified).

Norm Compatibility

NFPA 1971 / NFPA 1977 / NFPA 1975 / NFPA 2112 / NFPA 1951 / NFPA 1999 / ASTM F 1506

Code – VSHROR-56 PAZ E NMX16 N-ANTI TOP-OP 5/8

Size	Chain	Tape	Classification		
			Closed End	Open End	Two Way
5	VSHR	NMX16	✓	✓	✓

REF: P17Z028

QuickBurst® FR

Reusable Flame Retardant Safety Opening System



In an emergency, the QuickBurst® Zipper is a reusable solution, which will open quickly and easily. In normal use it also protects against heat and flame using flame retardant meta-aramid tape.

Technical Information

Lenzing FR® para-aramid is also available (contains DuPont Kevlar®). 5VS meets EN ISO 12402-7 as a life jacket inflation system component. Two sizes of bursting point are available.

Flame & Heat Resistant - EN ISO 11612:2008, Clause 6.2.1 Heat resistance at 180 degrees centigrade. EN ISO 14116:2008, (Index 3) Clause 6.1 Thermal performance (with 5 x cleansing pre-treatment at 60 degrees centigrade). All parts are flame retardant.

Norm Compatibility

EN ISO 12402-7/ EN ISO 11612:2008, clause 6.2.1 / EN ISO 14116:2008, (Index 3) clause 6.1

Code –VSGMR-5* DA E/ DAG3 E FR16 BC504 BP18 N-ANTI QBZ

Size	Chain	Tape	Classification		
			Closed End	Open End	Two Way
5	VSG	LK16, FR16		✓	✓
8	VSG	LK16		✓	

REF: P17Z039

VISLON® AquaGuard® FR

Combining Water Repellency and Flame Retardant Technology



A PU laminate on a flame retardant tape, Vislon® Aquaguard® FR was designed using YKK's patented VT technology as a possible solution for use in garments intended for EN ISO 11612: 2008 and/or EN ISO 14116 2008 (Index 3) certification. YKK's Vislon® AquaGuard® FR is a one stop solution as a combined water-repellent and flame retardant zipper.

Technical Information

All parts are flame retardant.

Lightweight - Lighter than conventional flame retardant metal zipper

Norm Compatibility

Flame & Heat Resistant - EN ISO 11612:2008, Clause 6.2.1 Heat resistance at 180 degree centigrade.

EN ISO 14116:2008, (Index 3) Clause 6.1 Thermal performance (with 5 x cleansing pre-treatment at 60 degree centigrade).

Code - VTGOR-56 DA8FLAME E FR16 N-ANTI NEWKOB4 PU-FR140TC PU-FR560 3MMOTC

Size	Chain	Tape	Classification		
			Closed End	Open End	Two Way
5	VTG	FR16	✓	✓	✓

REF: P17Z032

VISLON® with Meta-Aramid Tape

Flame & Heat Resistant VISLON®



This zipper incorporates flame retardant polyamide parts and elements in combination with flame retardant zipper tape. It is lightweight, with a smooth operation having lower heat transfer through its elements and a lower risk of scratching compared to metal elements.

Technical Information

Flame & Heat Resistant - EN ISO 11612:2008, Clause 6.2.1 Heat resistance at 180 degree centigrade.

EN ISO 14116:2008, (Index 3) Clause 6.1 Thermal performance (with 5 x cleansing pre-treatment at 60 degree centigrade).

All parts are flame retardant.

Lightweight - Lighter than YKK's conventional flame retardant metal zipper.

Norm Compatibility

EN ISO 11612:2008, clause 6.2.1 / EN ISO 14116:2008, (Index 3) clause 6.1

Code – VSGOR-56 DA E FR16 N-ANTI NEWKOB4

Size	Chain	Tape	Classification		
			Closed End	Open End	Two Way
5	VSG	FR16	✓	✓	✓

REF: P17Z026