

# INDUSTRIAL KNIVES AND BLADES

FILM AND FOIL - PACKAGING - PLASTICS - PAPER

**SOLLEX** 



# Your supplier of knives and blades

Sollex is a Swedish family company founded in 1927. We have products with cutting edge technology that improves your process and solve problems. With the right blade, you can get simplified maintenance, time savings and an improved final product.

We make our blades in top quality materials in Sweden and Germany. Our blades last longer and gives you a competitive maintenance advantage. What's more, we keep most products in stock which guarantees you fast shipments.

Sollex ships knives and blades to Europe on a daily basis but also to industries in the US, Middle East and Asia. Whatever your needs, we have accumulated hundreds of different products in different materials and designs. This so you will find the right blade for your cutting process.

Welcome to Sollex!

Johan Falk



Johan Falk CEO Sollex AB

# **INDUSTRIAL KNIVES AND BLADES**

(0)	Three-hole blades for plastic film and foil	10 - 11
	Slotted slitter blades for plastic film and foil	13
	Injector blades for plastic film and foil	14
	Snap-off blades for rubber	14
<u> </u>	Trapezoid blades for plastic film and foil	15
<b>(45)</b>	Hook blades for detailed work	15
_	Knives for digital cutting systems for Zund Cutter, Aristo, Summa, Gerber	16
~	Pointed blades for cardboard, hose, plastics	17
	Die face cutter blades for plastic recycling	17
0	Circular knives for cardboard, paper, plastics	18
	Special machine knives custom-made machine knives	18
	Safety knives	19

In this catalogue you will find blades for slitting the following types of materials:

- Adhesive film
   Cardboard Coated film
- Polycarbonates LDPE

- Rubber
- Paper Textiles
- PVC
- LLPDE
- PE PET

- Foam
- Non woven
- PP PC
- EBA
- OPP
- HDPE
- BOPP

# SOLLEX

# INDUSTRIAL BLADES WITH CUTTING EDGE PERFORMANCE



Sollex has been shipping knives and blades for more than 95 years.

We offer customers our support and technical know-how. In addition we have extensive knowledge and experience with industrial blades. In our products we use different materials, grindings, and coatings.

We offer our expertise in analyzing your case and environment, helping you to optimize your cutting processes and finding your best solution. By listening to your needs we can create outstanding products.

We value our customers above all.
We understand that you are our raison d'être.
We offer our customers top quality cutting blades.
In addition we keep most products in stock for quick and smooth shipments.

Herman Falk founded Rakbladsfabriken Sollex in 1927

"Sollex" became an established brand name in 1939

2PlusS razor blade is introduced

The wholesale business is developing

1920-30s	1940s	1950s	1960s
	Sollex moves to Jonköping and builds a new factory		Focus on knives, blades and industrial razor blades



#### Sollex knives are used in a variety of industrial applications:

- film and foil manufacturing
- packaging manufacturing
- plastic extrusion
- precision cutting
- digital plotter cutting
- advertising sign production
   food processing
- plastic pelletizing
- · fiber, textile, non woven



#### Inventory guarantee

Making new high quality blades takes time and involves lead times. Therefore, Sollex keeps most blades in stock to guarantee fast and smooth shipments.

For customers we can make an agreement to keep specific blades as inventory with automatic replenishment. If a specific blade is imperative for your operations please contact us and we will keep this blade as inventory and produce new to avoid stand stils. For this you will have to commit to buy a certain quantity during 2 years.

Titanium coated slitter blades for industries

Elisabeth Falk took over Sollex in 1984

Solid razor blades in carbide

Johan Falk took over Sollex in 2010

1970-80s	1990-00s	2010s	2020s
	Industrial craft blades - bestseller		Carbide tools & Industrial knives in focus
	3-hole razor blades get ceramic coating		AAA rating from Bisnode 95 years Anniversary

# Sollex in numbers

We have been manufacturing and selling blades

for more than



More than

1 083 422 blades in stock

for immediate delivery

Most sold razor blade

2plusS

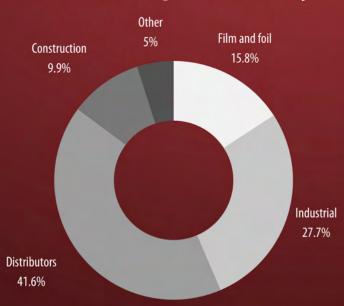


269 220 pcs

> 60 types for plastic film of knives manufacturing

The longest knife Sollex has produced 1.2m

# **Customers per industry**



Shipment accuracy \* 91%

Number of shipments\* 1392

4.8 Trustpilot score

Google score ★★★★★ 5.0

## **CHOOSE THE RIGHT BLADE**

When choosing a blade three major factors needs to be considered: design, material, and coating.

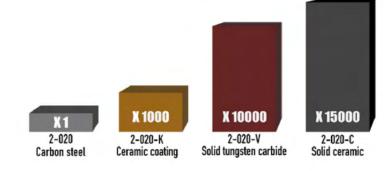
#### Thickness performance

Thinner blades perform better. Therefore you should try to use the thinnest blade possible. A thinner blade demands less force and gives less shear in the material you are slitting. A thinner blade is helpful to avoid web breaks and gives a better cut.

#### **Material performance**

Optimized materials increase blade lifetime. Depending on your slitting process we are able to engineer blades that will outlast and outperform wear resistant materials. Sollex makes blades in the following materials:

- Carbon steel
- Stainless Steel
- Tooling steel
- HSS-M2 steel
- D2 steel
- Tungsten Carbide
- Solid ceramic



#### **Edge quality performance**

Multi-facet grinding and burr free edges give the best cutting results, cleaner edge cuts and reduced web breaks.

#### Surface finish performance

A clean surface finish or cutting edge will lower the friction which reduces heat and wear. This results in cleaner edge cuts.

#### **Angle performance**

Most blades and materials are engineered to be positioned at a 45 degree angle to the material. Lower angles give slicing motion and spread wear out over more of the cutting surface.

#### **Coating performance**

Coating prolongs blade lifetime and cutting quality. As an extra benefit coatings can improve surface finish and reduce friction which reduces heat and wear.



Save money by using double sided blade where all 4 corners are used.

### **KNIFE EDGE / ANGLE GRINDING**

Use the table to interpret the knife edge characteristics and place an order for the right blade.





Δ	Δd	a	bΔ
C	cu	ч	cu
	e	e ed	e edg

#### **Double edged**

# ne sided



Single bevel

Single edged One sided Single bevel

Double edged One sided Single bevel



Double bevel

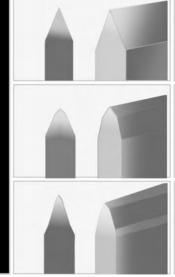
Single edged One sided Double bevel Double edged One sided Double bevel



Triple angle bevel

Single edged One sided Triple angle bevel Double edged One sided Triple angle bevel





Single bevel

Single edged Two sided Single bevel Double edged Two sided Single bevel

Double bevel

Single edged Two sided Double bevel Double edged Two sided Double bevel

Triple angle bevel

Single edged Two sided Triple angle bevel Double edged Two sided Triple angle bevel



#### Knives based on your drawing

In order to always offer the sharpest range, our in-house team of engineers and experts create customized products for your specific needs. This means that we design, develop and deliver knives, knife blades and industrial razor blades based on your drawing or needs.

# **PRODUCT QUALITIES & COATINGS**

To improve the performance blades are made in diverse materials and have special coatings. Sollex offers the following materials and coatings.

		Specification	Material to cut
975P Utility blade PRO	P	PRO Blade with good performance for professionals.	Cardboard, plastics and in industrial production
975PT Utility blade PRO Titan	PT	PRO TITAN Titanium coated blades for handheld tools, with very good performance.	Paper, cardboard, plastic film
975B Utility blade Banzai	В	Banzai Blades with extreme performance.	Reinforced flex materials and lead plates
5T Slitter blade Titan	T	<b>Titanium</b> Titanium (TiN) coated blades for optimal slitting performance. Gold colored edge. Low friction which gives less dust. Competitive durability and performance. FDA-approved	Plastic film and foil with few additives
5K Slitter blade Ceramic	K	Ceramic Ceramic coating with black color and fine grain structure. Protects the edge optimally when cutting plastic film with additives such as chalk or titanium. FDA and EC approved for contact with food. High durability and performance.	White plastics with additives
5Z Slitter blade Zero-Friction	Z	<b>Zero-friction</b> Zero-friction coating with grey color and extremely fine grain structure. This coating gives minimal friction, which is optimal for high speed cutting such as thin stretched film. FDA and EC approved for contact with food. High durability and performance.	Thin stretched film
5X Slitter blade Full Ceramic	X	Full Ceramic Full ceramic coated blade where the sides of the blade are also coated. The coating is FDA and EC approved for coming into contact with food. Gives an extreme durability when cutting in materials with very grueling additives.	Plastic film with additives multilayer
5C Slitter blade Solid Ceramic	C	Solid Ceramic Self grinding and heat resistant. Uncompromising quality for users with the highest requirements on blade performance. The blades are very fragile which sometimes makes handling difficult. Blade can be used for cutting soft elastic film that melts easily. The C-blade maintains sharpness and temperature. Extreme durability and performance.	Soft flexible film folies (EBA)
5V Slitter blade Solid Tungsten Carbide	V	Solid tungsten carbide Industrial blade with extreme resistance and durability. Solid tungsten carbide gives robustness and performance. Extreme performance and durability.	Hard laminated films (PE) and plastic packaging

# **THREE - HOLE - BLADES**







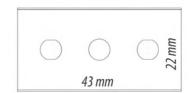
Sollex makes three-hole blades for a variety of applications. Blades are often used for cutting film, foil, packaging, plastics, and paper. We coat razor blades to protect the blade from abrasion, to reduce friction, and increase performance and durability.

### **STRAIGHT CORNERS**

43 \* 22 MM

# FROM **€ 32** / 100PCS





SKU	Product	Application	Thick., mm	Pack,pcs
2-010-R	Stainless steel	Simple plastic and films with few additives	0.10	250
2-013-R 2-013-RU0 2-013-K 2-013-T 2-013-Z 2-013-X 2-013-C	Stainless steel No oil Ceramic Titanium Zero Friction Full Ceramic Solid Ceramic	Simple plastic and films with few additives Simple plastic and films with few additives White plastics with additives Plastic film and foil with few additives Thin stretched film Plastic film with additives, multilayer Soft flexible film folies (EBA)	0.13 0.13 0.13 0.13 0.13 0.13	250 250 250 250 250 250 30
2-015-T	Titanium	Plastic film and foil with few additives	0.15	200
2-020-R 2-020-K 2-020-T 2-020-Z 2-020-X 2-020-V	Stainless steel Ceramic Titanium Zero Friction Full Ceramic Solid tungsten carbide	Simple plastic and films with few additives White plastics with additives Plastic film and foil with few additives Thin stretched film Plastic film with additives, multilayer Hard laminated films (PE) and packaging	0.20 0.20 0.20 0.20 0.20 0.20	200 200 200 200 10
2-023-T	Titanium	Plastic film and foil with few additives	0.23	100
2-030 2-030-R 2-030-K 2-030-T 2-030-X 2-030-V	Carbon steel Stainless steel Ceramic Titanium Full Ceramic Solid tungsten carbide	Simple plastic and films with few additives Simple plastic and films with few additives White plastics with additives Plastic film and foil with few additives Plastic film with additives, multilayer Hard laminated films (PE) and packaging	0.30 0.30 0.30 0.30 0.30 0.30	100 100 100 100 30
2-040	Carbon steel	Simple plastic and films with few additives	0.40	100
2-068	Carbon steel	Simple plastic and films with few additives	0.68	50

## STRAIGHT CORNERS, LONG

60 \* 22 \* 20 / 30 MM



	$\bigcirc$	.2 mm
	60 mm	

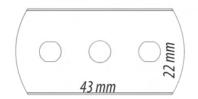
SKU	Product	Application	Thick., mm	Pack,pcs
4-60-020	Carbon steel	Simple plastic and films with few additives	0.20	200
4-60-030	Stainless steel	Plastics and film with few additives	0.30	100
4-60-030-K	Ceramic	White plastics with additives	0.30	100
4-60-030-Z	Zero-Friction	Thin stretched plastic film	0.30	100

#### **ROUNDED CORNERS**

43 \* 22 MM

# FROM **€ 35** / 100PCS





SKU	Product	Application	Thick., mm	Pack,pcs
1-013-R	Stainless steel	Simple plastic and films with few additives	0.13	250
1-013-K	Ceramic	White plastics with additives	0.13	250
1-015-T	Titanium	Plastic film and foil with few additives	0.15	200
1-020	Carbon steel	Simple plastic and films with few additives	0.20	200
1-023-K	Ceramic	White plastics with additives	0.23	100
1-030-R	Stainless steel	Simple plastic and films with few additives	0.30	100
1-030-T	Titanium	Plastic film and foil with few additives	0.30	100

# INDUSTRIAL CRAFT BLADE

40 \* 22 \* 20 / 30 MM



SKU	Application	Thick., mm	Pack,pcs
2PlusS	Wallpaper, fabric and felt	0.20	100
<b>2HD Heavy Duty</b>	Wallpaper, fabric and felt	0.30	100





You can usually find the best blade for your particular cutting process by testing a few different variants.





Slotted slitter blades in solid tungsten carbide or ceramic are characterized by extreme performance and durability. Zero-friction is optimal for thin stretched film. Ceramic works for film with additives. For really tough films Sollex X coating is recommended as a tougher version of Ceramic coating.

# **STRAIGHT CORNERS**

57\*19\*0.20mm / 0.40mm

FROM **₹ 70** / 100PCS



SKU	Product	Application	Thick., mm	Pack,pcs
5-020	Carbon steel	Simple plastic with few additives	0.20	200
5Q	Ceramic	White plastics with additives	0.40	100
5L	Stainless steel	Simple plastic with few additives	0.40	100
5 <b>V</b>	Solid tungsten carbide	Hard laminated films (PE) and plastic packaging	0.40	10
5C	Solid ceramic	Soft flexible film folies (EBA)	0.40	10



# **ROUNDED CORNERS**

57\*19\*0.20mm / 0.40mm

FROM **€ 166** / 100PCS

SKU	Product	Application	Thick., mm	Pack,pcs
5-020-Z	Zero friction	Thin stretched film	0.20	200
5K	Ceramic	White plastics with additives	0.40	100
5Z	Zero friction	Thin stretched film	0.40	100
5T	Titanium	Plastic film with additives	0.40	100
5X	Solid ceramic	Plastic film with additives, multilayer	0.40	30

Search for more slitter blades in category "Industrial razor blades" at sollex.se

#### **INJECTOR BLADES**

- for plastic film and foil





Injector blades small razor blades, which are ideal for heavy industrial use. The blade has one single edge. The size of the blade is 38x8x0.25mm or 1,496"x0,315"x 0,01". That means that the injector blade can be used in really small spaces.

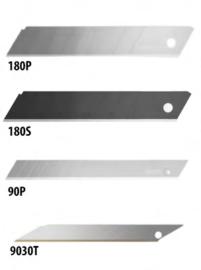
Inje	<b>642K</b> Injector blade	SKU	Product	Application	Thick., mm	Pack, pcs
	Eeramic coated	642PR	Stainless steel	Simpler plastic film	0.25	1000
	0 0	642K	Ceramic	White plastics with additives	0.25	100
38*8*0.2	207070.05	642Z	Zero friction	Thin stretched film	0.25	100
	38*8*0.25mm	642C	Solid ceramic	Plastic film with additives, multilayer	0.25	10

#### **SNAP-OFF BLADES**

- for papper, cardboard, rubber







SKU	Product	Feature	Dimensions, mm	Pack,pcs
180P	Pro	Universal application	100 x 18 x 0.50	10/100/1000
180LUS	Pro	Universal application	100 x 18 x 0.50	10/100/1000
1805	Black	X-sharp and X-hard	100 x 18 x 0.50	10/100/1000
180L	Titanium	X-sharp and X-durable	100 x 18 x 0.50	10/100/1000
90P	Pro	Universal application	80 x 9 x 0.40	10/100/1000
90US	Pro	Without segments	80 x 9 x 0.40	10/100/1000
9030T	Titanium	X-sharp, angle: 30°	80 x 9 x 0.40	10/100/1000
90R	Stainless steel	Universal application	80 x 9 x 0.40	150



**5190** PPRO NT Cutter A-300GR



**5180** PRO NT Cutter L-500GRP



Sollex has a wide range of snap-off knives for professional use: NT Cutter, Martor, Mozart, Olfa etc.



**7180** PRO NT Cutter L-2000RP



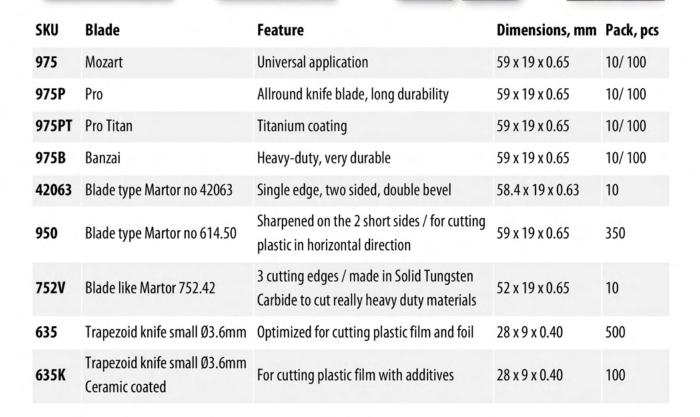
Search for short, long utility blades or "trapezoid" at sollex.se

#### TRAPEZOID BLADES

- for knives and machines

975P Utility blade PRO **752**Blade with 3 edges

950 Blade with 2 short sharp sides **635** Trapezoid knife small 28mm





Search for "hook" or "concave" blades at sollex.se

#### **HOOK BLADES**

- durable and sharp blades

10PT Hook blade PRO titan



16P Concave blade **16PT** Concave blade PRO titan

SKU	Quality	Description	Dimensions. mm
10P	Carbon steel	To cut materials and protect the underlying material	51x18.85x0.65
10PT	Titanium	For professionals with the highest demands on durability	51x18.85x0.65
16P	Carbon steel	The half moon shaped knife blade is optimized for detailed cutting	59x19x0.65
16PT	Titanium	For professionals with the highest demands on durability	59x19x0.65

### **KNIVES FOR DIGITAL CUTTING SYSTEMS**

ZUND · SUMMA · ARISTO · GERBER · ATOM



# **DRAG BLADES**

We manufacture machine knives based on your drawing and needs

Drag blade, round-stock

**Z16** Drag blade, pointed

**Z44** Drag blade, flat-stock

**Z46** Drag blade, flat-stock

SKU	Equivalent to Zund item No.	Туре	Tools	Cut. depth, mm	Application
<b>Z1</b>	3910105	Round-stock	C2, C2P,KCT, KCM-S	1.0	Self-adhesive vinyls, film, cardstock
<b>Z</b> 2	3910110	Round-stock	C2, C2P,KCT, KCM-S	1.0	Self-adhesive vinyls, film, cardstock
Z10	3910301	Flat-stock	UCT & SCT	4.8	Tarpaulin, PVC, PP, PC, fabric, vinyl
<b>Z11</b>	3910309	Flat-stock	UCT & SCT	6.9	Tarpaulin, PVC, PP, PC, fabric, vinyl
Z16	3910306	Flat-stock	UCT, SCT, PCT	7.4	PC, paper, film, carton, magnetic material
<b>Z17</b>	3910307	Flat-stock	UCT, SCT, PCT	12.0	PC, paper, film, carton, magnetic material
Z44	3910340	Flat-stock	UCT & SCT	14.0	Carpet, tarpaulin
<b>Z46</b>	4800073	Flat-stock	UCT & SCT	20.0	Carpet, corrugated plastic, foam core, PVC

### **OSCILLATING BLADES**

**Z20** Oscillating blade, pointed

**Z28** Oscillating blade, pointed

**Z62** Oscillating blade, flat

**Z63** Oscillating blade, flat

SKU	Equivalent to Zund item No.	Туре	Tools	Cut. depth, mm	Application
<b>Z20</b>	3910313	Pointed	EOT, POT & EOT-250	14.3	Cardboard, carton, foam, rubber, felt
<b>Z21</b>	3910314	Pointed	EOT, POT & EOT-250	17.2	Cardboard, carton, foam, rubber, felt
<b>Z22</b>	3910315	Pointed	EOT, POT & EOT-250	14.0	Cardboard, foam, textiles, felt, rubber
<b>Z28</b>	3910318	Pointed	EOT, POT & EOT-250	26.0	Foam, insulating mat
Z61	5201343	Flat	POT & EOT-250	20.0	Sandwich board, corrugated plastic
<b>Z62</b>	5002488	Flat	EOT, POT & EOT-250	13.2	Leather, corrugated, woven, felt, foam
Z63	5002637	Flat	EOT, POT & EOT-250	28.0	Foam, insulating mat
<b>Z</b> 64	5002739	Flat	POT	57.0	Foam, insulating mat











824 Blade type Martor 824



, р .		
A	L	

SKU	Product / Quality	Description	Dimensions. mm
88	Tooling steel	Graphic blade type Martor 640 to cut tubes	43 x 9 x 0.63
619	Tooling steel	Pointed blade type Martor 619 to cut hose	39 x 12 x 0.65
619X	HSS + Zero friction	Pointed blade type Martor 619 to cut hose	39 x 12 x 0.65
761	Carbon steel	Martor pointed blade 761 for packaging materials	33 x 26 x 0.8
761X	Solid ceramic	Martor 761 coated in ceramic to cut tube and corrugated	33 x 26 x 0.90
761 <b>V</b>	Solid Tungsten Carbide	Blade type 761 - extrem performance and durability	33.7 x 26 x 0.90
824	Carbon steel	Pointed blade double edge $100^{\circ}$	25 x 30 x 0.50
P752D	Carbon steel	Pointed blade Ø4.5mm for SCAE bag machine	24 x 20 x 0.30





### **DIE FACE / DENSIFYER BLADES**

- for plastic production and recycling

**L13** Pelletizer Blade 13mm









SKU	Product / Quality	Description	Dimensions. mm
L13	Tooling steel	For Munchy machines / plastic film and foil production	13.20 x 46 x 0.80
L19	420 STST	For Munchy machines / plastic film and foil production	19.20 x 50 x 0.50
L38	Steel	For Munchy machines / to pelletize plastics	38 x 57 x 0.50
L23	Bi metal	For plastics recycling	46 x 21 x 1.0
L24	Bi metal	For plastics recycling	46 x 24 x 0.80
P848	Extreme tooling steel	For plastics recycling	58 x 25 x 3
P808	Extreme tooling steel	For plastics recycling	50 x 20 x 0.80

## **CIRCULAR KNIVES**

- for paper, plastic, tape, film





#### **CIRCULAR KNIVES**

SKU	Product / Quality	Description	Dimensions. mm
R18	Tungsten tool steel	Rotary blades Olfa Øe18mm to cut fabric, paper, film	18 x 4 x 6
R28	Tungsten tool steel	Rotary blades Olfa Øe28mm to cut paper and textile	28 x 5 x 0.3
R45	Tungsten tool steel	Rotary blades Olfa Øe45mm to cut paper and textile	45 x 8 x 0.35
R70	Extreme tooling steel	Durable knife to cut bearings and pipes	70 x 40 x 1
R105	HSS-M2 steel	Two sided double grinded circular knife	105 x 34 x 1.5
R150	Carbon steel	Two sided double grinded circular knife to cut hose, plastic	150 x 45 x 1.5

#### **TOP KNIVES**

SKU	Product / Quality	Description	Dimensions. mm
P881A	Quality steel	Dished knife Øe62 to cut paper, cardboard, tape	62 x 40 x 0.64
RDS65x40	Tooling steel	Dished knife Øe65 60° for universal application	65 x 40 x 1
RDD130x80	Tooling steel	Dished knife Øe130 60° for universal application	130 x 80 x 1.5
RDD130x100	Tooling steel	Dished knife Øe130 60° for universal application	130 x 100 x 1.5
RDD140x70	Tooling steel	Dished knife Øe140 60° for universal application	140 x 70 x 3

# **SPECIAL BLADES**

- custom-made blades

Search for custom machine knives or "special blades" at sollex.se



SKU	Quality	Description	Dimensions. mm
807	Carbon steel	Machine blade 140 mm / single edge, two sided, double bevel	140 x 18.8 x 0.884
P807	52100 steel	Machine blade 120 mm / for cutting HDPE, LDPE, polyethylene pellets	120 x 18.8 x 0.50
823	Carbon steel	Machine blade 106 mm / single edge, two sided, double bevel	106.6 x 19 x 0.40
P863	Tooling steel	Special blade for cutting and analyzing cables	86 x 35 x 2.5
P864	HSS-M2 steel	Special blade for producing and cutting cables	70 x 50 x 3
190L	Carbon steel	Large special purpose blade for cutting foam, insulation, plastics	174 x 19 x 0.80



#### **SAFETY KNIVES**

- with different safety levels

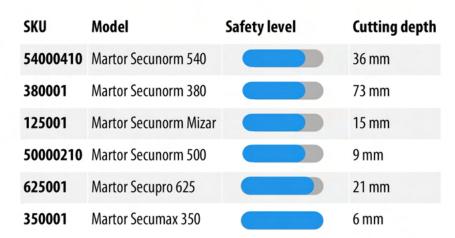
Prevent workplace injuries and protect your assets with safety knives







**9810**Container for used blades





Secunorm - High safety level. The blade is retracted as the grip is released.



Secupro - Very high safety level. The blade is automatically retracted as contact with the cutting material is broken



Secumax - Maximum safety level. The blade is concealed and cannot be reached by fingers.







SKU	Model	Feature	<b>Cutting depth</b>
10513	Slice Pen Cutter	All-purpose tool	12 mm
10514	Slice Mini Cutter, auto	For cardboard	9 mm
10554	Slice Utility knife, auto	For thick materials	20 mm
10503	Slice Box Cutter, auto	For cardboard	8.5 mm

#### **MKLEVERINNOVATIONS**



SKU	Model	Feature
KCJ-1Y	Klever Kutter	to cut boxes and packages
KCJ-1MD	Klever Kutter metal detectable	to cut boxes, foil and packages
KCJ-XC-20Y	Klever Xchange	to cut boxes, film, tape
PLS-300XC- 20	Klever Xchange Plus	to cut cardboard, packages, foil,tape