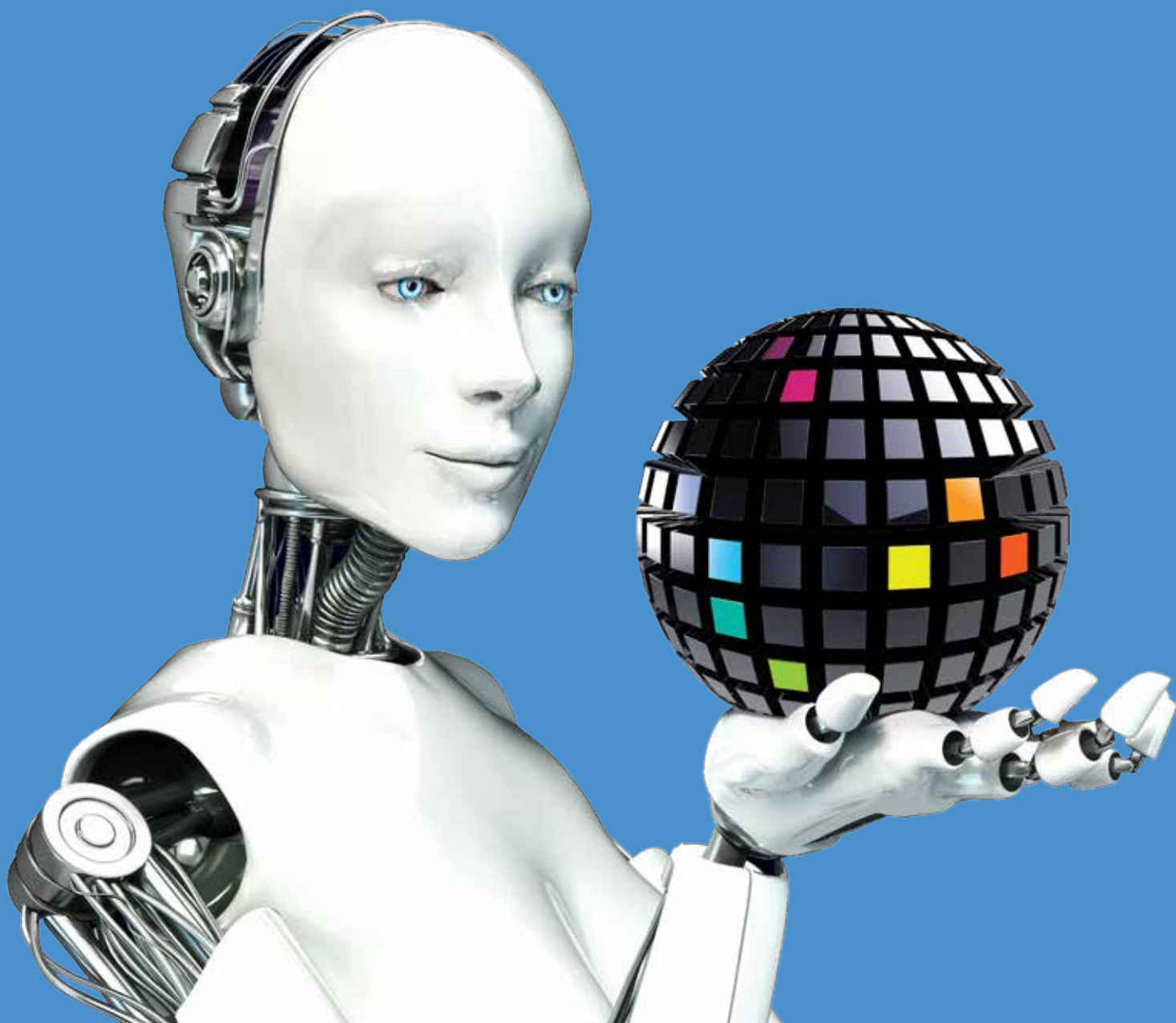




## Global protection for your machines



Way wipers • Aluminum apron covers • Telescopic steel covers  
Telescopic springs • Technical plastics • Chip conveyors  
Leveling and anchoring elements • Cable carriers  
Bellows and roll-ups • Technical brushes • Slot covers  
Biplast-V® and Kleber IP-25 adhesive • Engineering plastics  
Superpolyamid and Brass screws • Support blocks and Antivibration blocks  
Adhesives, lockings, retainings and special sealings  
Monitoring systems for machining operations



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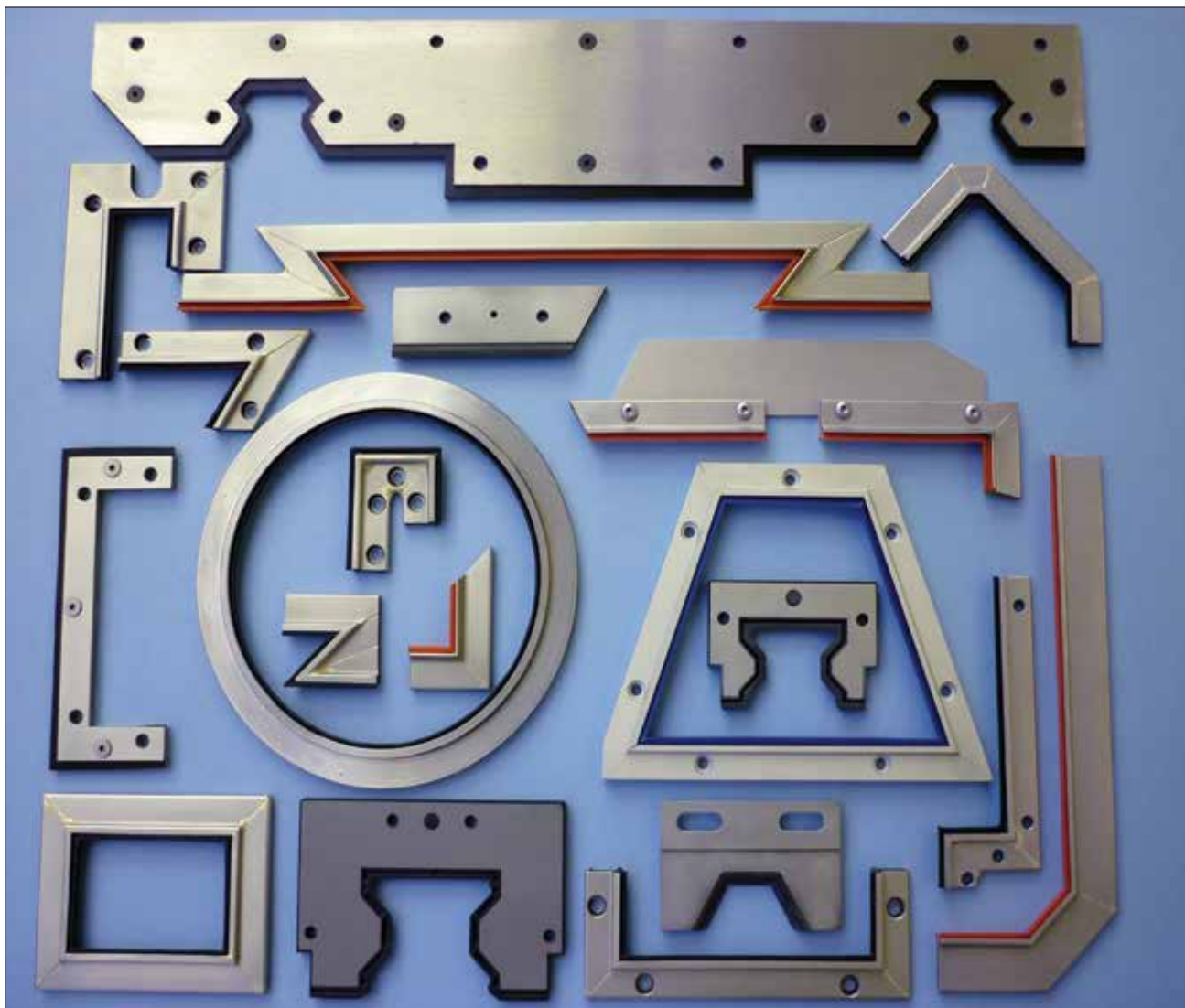
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# Way wipers for linear guideways

- The machine sliding guides are in constant contact with shavings, dust and dirt.

It is indispensable to install the way wipers to avoid imbalances, breakdowns and therefore protect correctly the machinery.

Scuder, has a wide range of way wipers to achieve the best protection for your machinery.



\* Examples of linear way wipers.



## AB serie way wipers

The most resistant way wipers serie. Manufactured in high quality polyurethane and stainless steel. Specially indicated for very tough working conditions, where there are large quantities of shaving and coolant. With an airtight rear close to avoid the entry of oils. Adapted and according to drawing.

### COMPOSITION

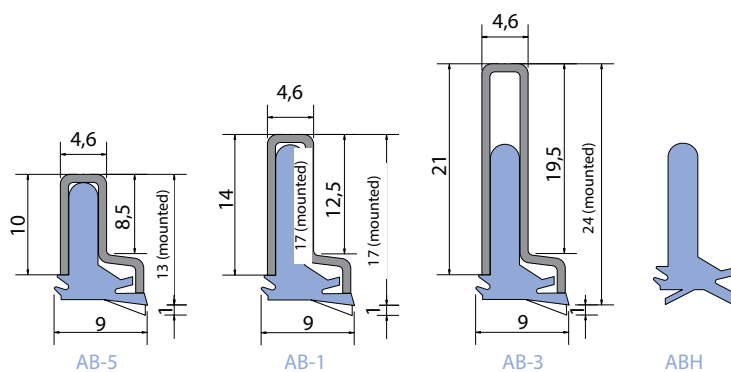
- Stainless steel profile
- Black, red or blue polyurethane lip
- For hydrostatic guides we recommend the special double lip model
- Thermo welding of angle unions

### SUPPLY

- Perfilable welded according to drawing
- Assembled in 1000 and 2000 mm. strips
- Independent supply
- Red, blue or black lip
- Special double lip for hydrostatic guides (ABH)
- Stainless steel profile

### POLYURETHANE LIP PROPERTIES

- Excellent resistance to abrasion, acids, oils and coolants, high resistance to hydrolysis and microorganisms.
- Continuous thermal resistance of 100° C
- Maximum resistance of 135° C



### BLUE LIP SCUDER

88 shore polyurethane lip, blue colour with special properties, used to manufacture way wipers with AB profiles. This lip developed by Scuder with blue polyurethane, has a high resistance to abrasion, oils, lubricants and alkaline solutions.

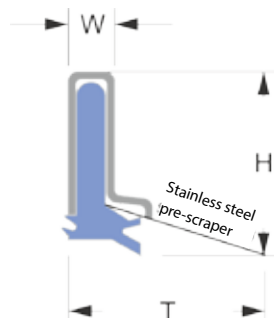


## FAB serie way wipers

Same characteristics as the AB serie, with stainless steel prescraper specially indicated for areas with a great quantity of hot shavings.

TYPE	H	W	T
FAB-1	18	4,6	21
FAB-3	25	4,6	21
FAB-5	14	4,6	21

\*All dimensions in mm.





## Examples of way wipers manufactured with AB profiles

The AB serie is manufactured with very high quality and resistant welds.

Manufactured with thermo-welded polyurethane union and mooring holes, upon request by the client.

Available in two finishes: polished stainless steel and satin stainless steel. With the possibility to mix profiles of different heights so as to adapt to any type of guide.

We repair the entire AB way wipers serie, substituting the polyurethane lips and the deteriorated areas of the parts.



## LS serie way wipers

Sandwich way wiper, made up by laser cut stainless steel and a 2 mm. thick sheet of special polyurethane. Resistant to abrasion, coolants, oils and high temperatures. Pack assembled with countersunk screws.



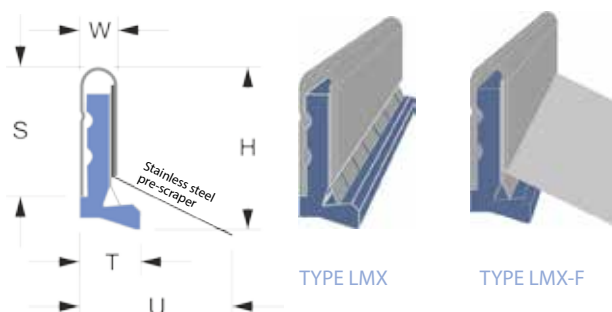
\*Examples of sandwich way wipers.

## LMX serie way wipers

Way wipers sheathed in stainless steel and NBR, good resistance and durability, easy to adapt, great resistance to abrasion, oils, coolants, etc. Continuous thermal resistance of 100° and maximum thermal resistance of 135°. Adaptable without welding

TYPE	H	S	W	T	U	Length
LMX	28	21,5	6	10	-	500
LMX-F	28	21,5	6	10	25	500

\* All dimensions in mm.



## LA serie way wipers

Way wipers made up of an anodized aluminum profile and high quality blue colour polyurethane lip with a hardness of 85 shore.

Adjustable to the drawing by means of fasteners.

The LA way wipers serie has a variant with a special stainless steel pre-scraper for areas with a great quantity of hot shavings. (LA-F).

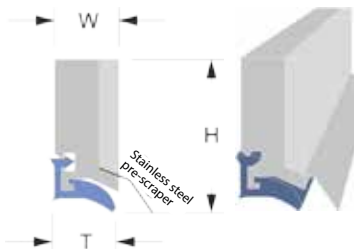
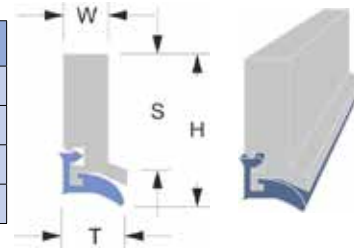
The aluminum profile and the polyurethane lip can be supplied separately.

TYPE	H	S	W	T	Length
LA-18x4,5	18	14	4,5	7,5	1000
LA-25x4,5	25	21	4,5	7,5	1000
LA-18x7	18	14	7	10	1000
LA-25x7	25	21	7	10	1000

\* All dimensions in mm.

TYPE	H	W	T	Length
LA-F18x7	18	10	15	1000
LA-F25x7	25	10	15	1000

\* All dimensions in mm.



\* Example of way wiper manufactured with LA profile with fasteners according to drawing.

We repair LA serie, changing the blue polyurethane lips and the damaged areas of aluminum.



## LAW-DL serie way wipers

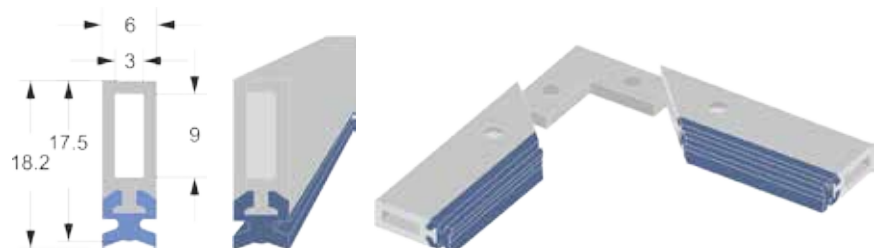
Way wipers made up of an anodized aluminum profile and double lip of NBR or vulcanized FPM.

Designed for sweeping in forward and back position with high resistance to wear, oils, coolings and shavings.

The FPM variant is recommended for high speed machines.

Profiable with internal union plates.

Supply in strips of 1000mm.



# Vulcanized way wipers

We manufacture way wipers with different forms to adapt to any type of guide.

LJ, FBA, LMD, LMC, LMCS, LME AND LMF SERIES

## COMPOSITION:

- Vulcanized steel sheet to NBR or FPM.

## PROPERTIES:

- Elevated resistance to abrasion, coolants and mineral oils
- Great resistance to hydrolysis and microorganisms
- Thermal resistance: constant of 100° C and maximum 135° C
- Easy adaptation to guides, re-grooving without welding

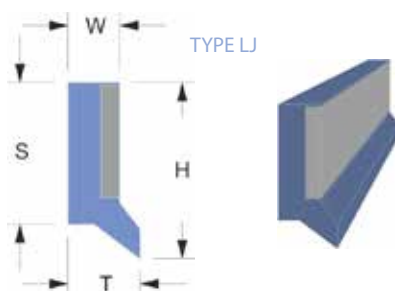
## LJ serie way wipers

Designed for guides and all kind of closures. Great capacity of adjustment of 3 mm.

TYPE	H	S	W	T	Length
LJ-9	9,5	7,5	2,5	5	500
LJ-13	13	10	5	7	500
LJ-15	15	11,5	5	7	500/1000
LJ-18	18	15	5	9	500/1000
LJ-21	21	17,5	5	7	500/1000
LJ-25	25	21	6	11	500/1000
LJ-31	31	28	5	7	500/1000
LJ-36	36	33	5	7	560
LJ-39	39	36	5	7	560
LJ-60	60	57	5	7	560

\* All dimensions in mm.

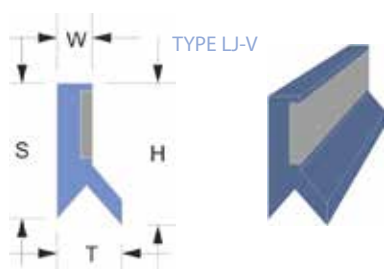
NEW MEASURES



TYPE	H	S	W	T	Length
LJ-V-21	21	20	6	11	500
LJ-V-26	26	25	6	11	560/1000

\* All dimensions in mm.

NEW MEASURE

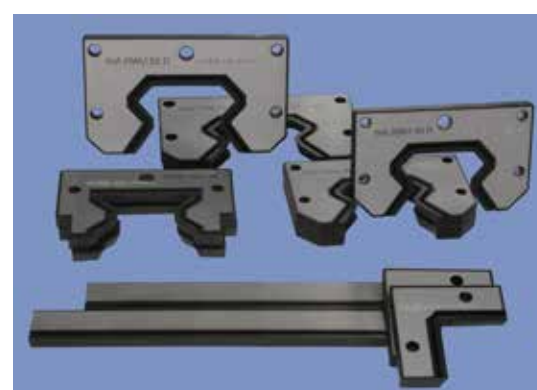
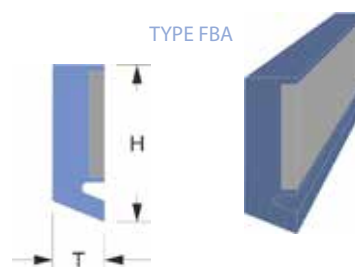


## FBA serie way wipers

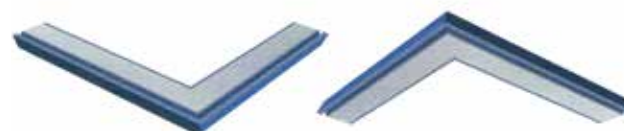
Designed to occupy the minimum space on the machine when gathered.

TYPE	H	T	Length
FBA-14	14	6,5	500
FBA-18	18	6,5	500
FBA-25	25	6,5	500
FBA-30	30	6,5	500

\* All dimensions in mm.



\*For the manufacturing of moulded FBA way wipers it is essential to have the exact angles and measurements of the guides.



FBA way wipers manufactured with mould according to drawing.



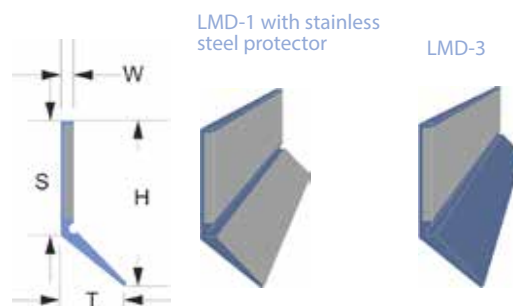
## LMD serie way wipers

Way wipers with ability to adjust up to 10 mm.  
Model available with vulcanized stainless steel protector for areas with a large quantity of hot shavings

TYPE	Protector	H	S	W	T	Length
<b>LMD-1</b>	Stainless steel	39	27	3	15,5	850/1200
<b>LMD-3</b>	-	39	27	3	15,5	850/1200
<b>LMD-17</b>	Stainless steel	45	27	3	21,5	1000/2000

\* All dimensions in mm.

NEW MEASURES AND TYPE



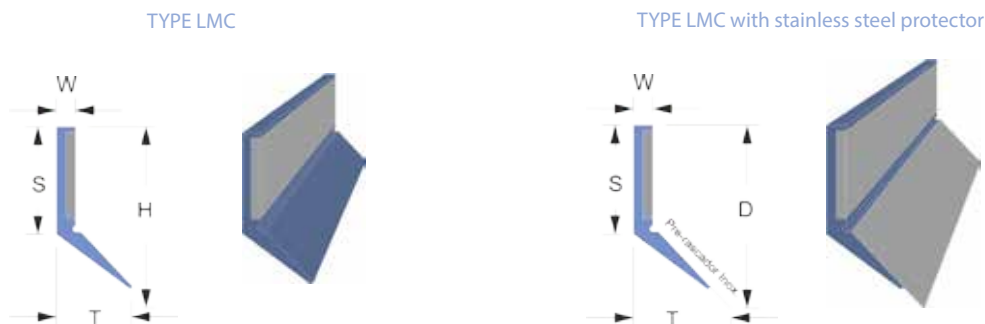
## LMC serie way wipers

Way wipers with the ability to adjust up to 8 mm.  
Model available with vulcanized stainless steel pre-scraper specially indicated for areas with a great quantity of hot shavings.

TYPE	Pre-rascador	H	S	W	T	D	Length
<b>LMC-1</b>	Stainless steel	25	15	3	12	29	800/1000
<b>LMC-3</b>	-	25	15	3	12	-	800
<b>LMC-5</b>	Stainless steel	30	20	3	12	34	800/1000
<b>LMC-7</b>	-	30	20	3	12	-	800/1000

\* All dimensions in mm.

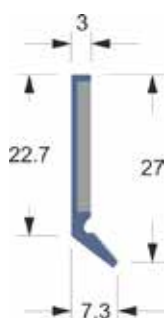
NEW MEASURE



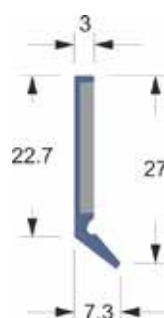
## LMCS serie way wipers

Way wipers with the ability to adjust up to 8 mm.  
Model available with vulcanized stainless steel pre-scraper specially indicated for areas with a great quantity of hot shavings.  
LMCS-1: Supply in 800 mm/1500 mm strips. **NEW MEASURE**  
LMCS-3: Supply in 800 mm strips.

TYPE LMCS-1 with inox. protector



TYPE LMCS-3

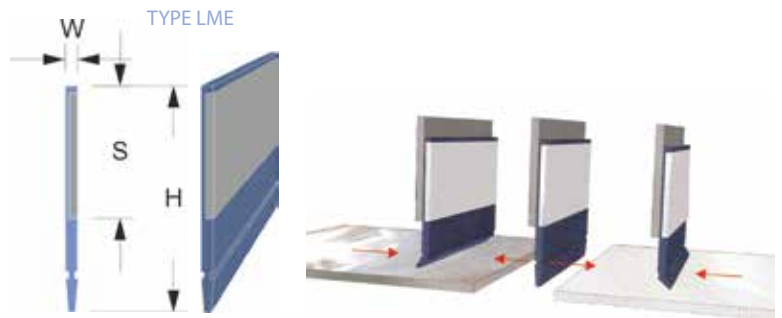


## LME serie way wipers

Special for sweeping in forward and back position, adapting very well to differences of up to 5 mm.  
**NEW MEASURE and TYPE**

TYPE	H	W	S	Length
<b>LME-1</b>	25	2	17,5	600/800
<b>LME-3</b>	34	2	19,5	600/1200
<b>LME-5</b>	45	2	32	600/1200

\* All dimensions in mm.



## Washers for slotted holes into the LMD, LMC, LMCS y LME series

An innovating system for adjusting the slotted holes into the way wipers, useful for different series of them. It's really easy to adapt them and they can be rotated in 360°.

TYPE	D	A	B	T
<b>AR-M1</b>	11	4.5	8	2
<b>AR-M5</b>	13	5.5	10	2
<b>AR-M6</b>	15	6.5	12	2

\* All dimensions in mm.

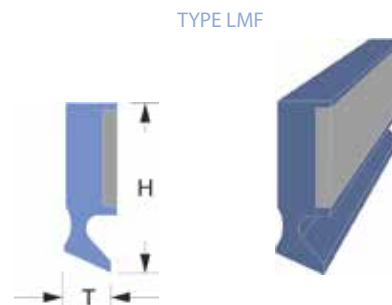


## LMF serie way wipers

Compact way wipers with a great ability to adjust, designed for cleaning undulated and deformed surfaces.  
Easy adaptation without welding.

TYPE	H	T	Length
<b>LMF-22</b>	22	10,5	1000
<b>LMF-28</b>	28	10,5	1000
<b>LMF-40</b>	40	10,5	1000

\* All dimensions in mm.



## Examples of other vulcanized way wipers variants

TYPE LMH

TYPE LMK

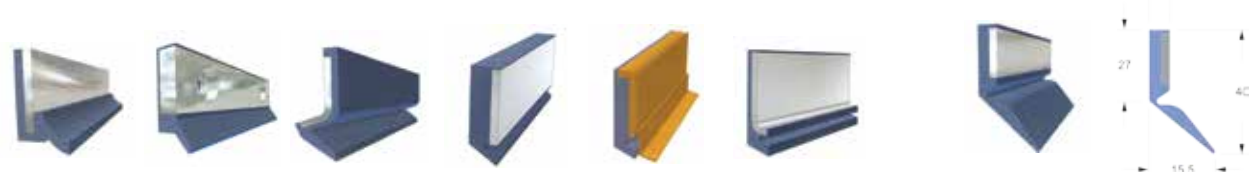
TYPE LMN

TYPE LML

TYPE LMR

TYPE LMS

TYPE LMG-3



## Examples of way wipers mounted in machines



# Cylindrical way wipers for axes

- The cylindrical way wipers are used to clean the dirt, external particles, shavings, humidity, etc. in hydraulic and pneumatic cylinders.

Scuder manufactures two different models.

## Cylindrical way wipers with AB profiles

### POLYURETHANE LIP PROPERTIES

- Excellent resistance to abrasion, oils and coolants
- High resistance to hydrolysis and microorganisms.
- Continuous thermal resistance of 100° C
- Maximum resistance of 135° C

Recommended to be manufactured in small series. They are manufactured in different diameters according to drawing.



## Cylindrical way wipers LC-A serie

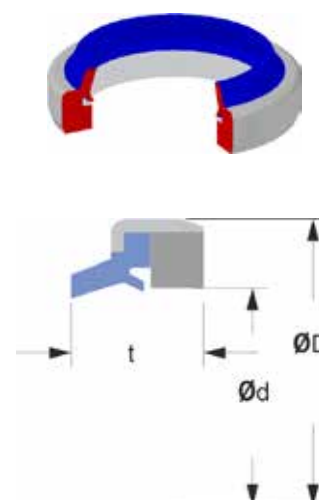
- The elastomer's **COMPOSITION** can be in NBR (LC-AN) and in FPM (LC-AF) 83 shore. The standard colour is black, auto-lubrication.

The LC-A serie is manufactured under mold, it has an elevated resistance to abrasion and a long service life.

We have a great variety in standard series. For special customized measures we manufacture molds (recommended for big series).

TYPE	d	D	t	Material
LC-AN	From 80 to 110 each 5 mm.	From 90 to 120 each 5 mm.	10	NBR
LC-AF	From 80 to 110 each 5 mm.	Desde 90 a 120 each 5 mm.	10	FPM

\* All dimensions in mm.



# Way wipers for telescopic steel covers

- This type of way wipers is essential to prevent the entry of dirt and shavings between the sheets of the telescopic steel covers, prolonging the life of machinery and protecting against possible damages and imbalances.

Scuder has a wide range of special way wipers series for telescopic steel covers, fairings and closures or guides.

## COMPOSITION

Sheet steel and NBR.

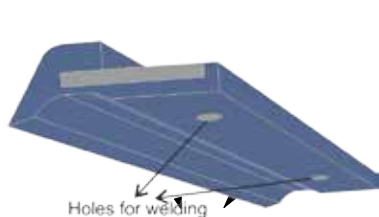
## LN and LTK series way wipers

### PROPERTIES

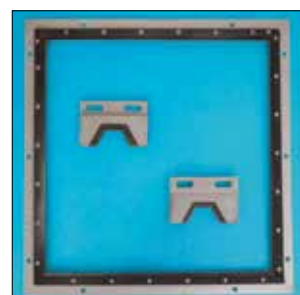
Way wipers with great resistance to abrasion, oils, coolants and high temperatures; between 100 and 130°.

### ASSEMBLY

Designed with special openings to assemble them with spot welds. They can also be assembled with screws or rivets. For areas with a large quantity of hot shavings we recommend to place the stainless steel protector on LN1, LN2 and LN3 lip.



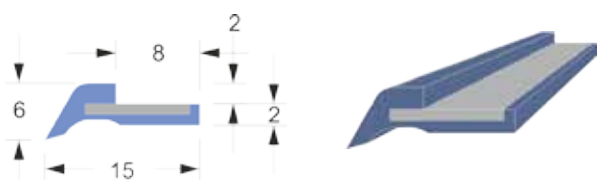
#### STAINLESS STEEL PROTECTION



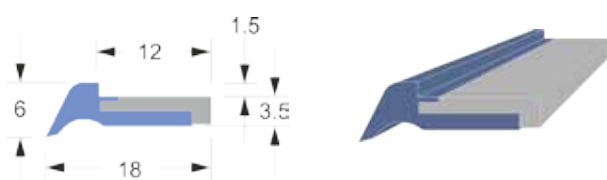
\*Example of LN according to drawing with welded points.

## LN

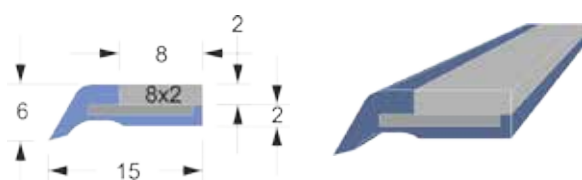
LN-1



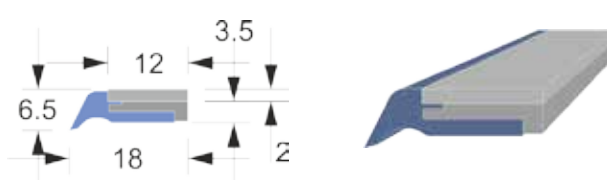
LN-2



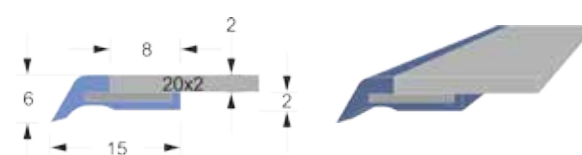
LN-1 8x2



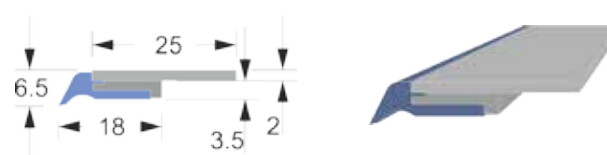
LN-2 12x2



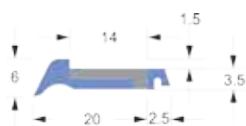
LN-1 20x2



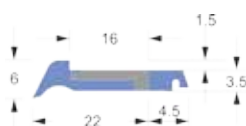
LN-2 25x2



LN-3 short



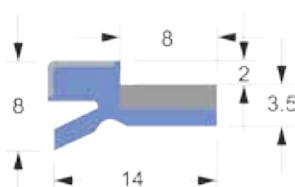
LN-3 large



## LTK

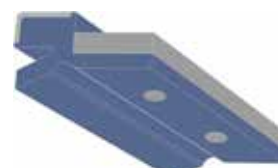
Same **PROPERTIES** and **MOUNTING** than LN serie.

TYPE LTK



\*Length of 1000 mm.

Special stainless steel protector.



\*With special openings to assemble them with spot welds.

## LT and LTC series way wipers

### COMPOSITION

These series are made up of a steel protective profile and a polyurethane lip.

### PROPERTIES

Excellent resistance to abrasion, coolants, oils and hydrolysis. Continuous thermal resistance of 100° and a maximum of 135°. Thanks to its design, the polyurethane lips are totally protected by the metal profile, notably prolonging the life of the way wipers and the telescopic steel cover.

### APPLICATION

For telescopic steel covers and closures in aluminum aprons and reels.

### ASSEMBLY

Generally, with spot welds, capable of being mounted by means of screws or rivets.

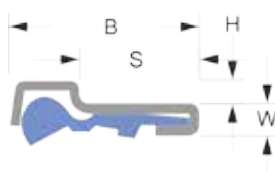
## LT

TYPE	S	H	B	W	Length	PU-85
LT-1	8	2	14	2	1000/2000/3000	Black
LT-2	12	2,2	19	3,3	1000/2000/3000	Red/Blue/ Black

\* The profile and the polyurethane lip can be supplied separately.

\* All dimensions in mm.

TYPE LT



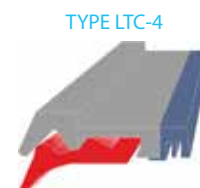
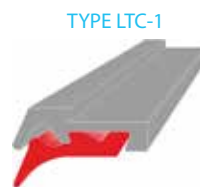
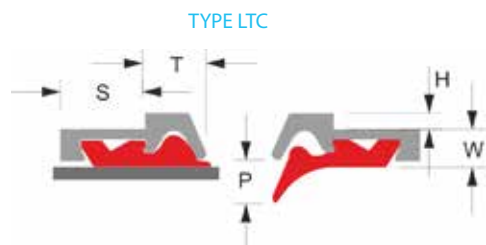
## LTC

TYPE	S	H	P	W	T
LTC-1	8	1,5	2,5	3,5	6
LTC-2	12	1,5	2,5	3,5	6
LTC-4	8	1,5	2,5	3,5	6

TYPE	Length	Rear shock absorber	PU-85
LTC-1	1000/2000/3000	-	Red
LTC-2	1000/2000/3000	-	Red
LTC-4	1000	4 (Black)	Red

\* The profile and the polyurethane lip can be supplied separately.

\* All dimensions in mm.



\*LTC-4: Special for high speed steel covers, with a rear shock absorber to avoid noise and banging between sheets.

## LT-3 serie way wipers

## COMPOSITION

This serie is composed of core of calibrated steel and NBR or FPM vulcanized to core. Colours: red, blue, black or grey.

## PROPERTIES

Excellent resistance to abrasion, coolants, oils and hydrolysis. Continuous thermal resistance of 100° and a maximum of 135°C. Thanks to its design, it's easy the changing of this way wiper without dismantling the telescopic steel cover. With high adaptability to modules of undulated telescopic steel covers or deformed by small strokes.

## APPLICATION

Telescopic steel covers, door closers and mobile or fixed elements.

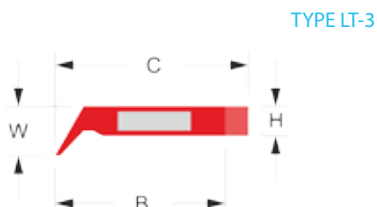
## ASSEMBLY

Screwed with screws of M4 from top.

TYPE	H	B	C	W	Length	Material
LT-3 - 20	4	20	23	7	695/815	NBR
LT-3 - 30	6	30	34	10	830	NBR

\*They can be supplied in strips with or without holes screwed to the sheet.

\*All dimensions in "mm".



Way wiper without steel core adaptable to different radius of curvature.

NEW





# LTSA and LTM series way wipers

## COMPOSITION

These series are made up by a brass bracket and NBR lip.

## PROPERTIES

Great resistance to abrasion, hydrolysis, mineral oils and coolants, specially indicated for water areas, because it is composed by a brass bracket to avoid oxidation problems which may occur with another type of way wipers.

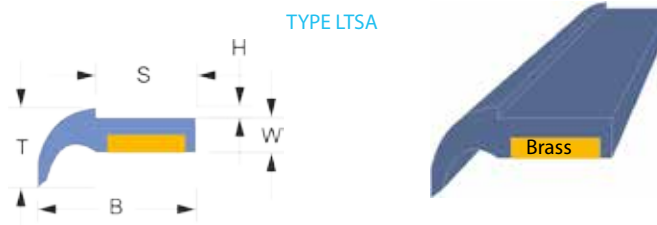
Continuous thermal resistance of 100° C and a maximum of 135° C.

## LTSA

TYPE	S	H	B	W	T	Length	Brass bracket	NBR lip
LTSA-M16	10	1,5	16	4	8	1000	8x2	Black
LTSA-M21	12	2	21	5	9,5	1000	8x3	Black

\* The profile and the polyurethane lip can be supplied separately.

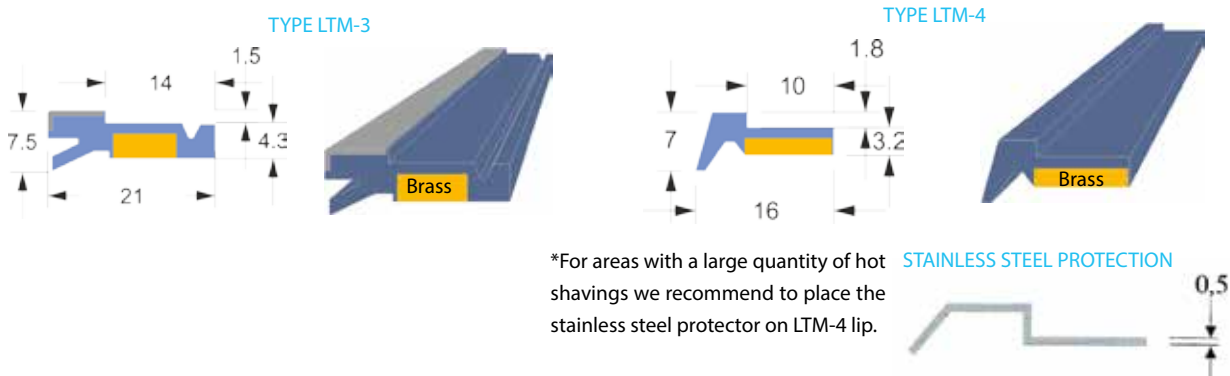
\* All dimensions in mm.



## LTM

TYPE	S	H	B	W	T	Length	Brass bracket	NBR lip
LTM-3	14	1,5	21	4,3	7,5	1000	8x3	Black
LTM-4	10	1,8	16	3,2	7	560	10x2	Black

\*LTM-3 with stainless steel protection and rear shock absorber.



\*For areas with a large quantity of hot shavings we recommend to place the stainless steel protector on LTM-4 lip.

STAINLESS STEEL PROTECTION

\* Supply in strips of 1000 mm.

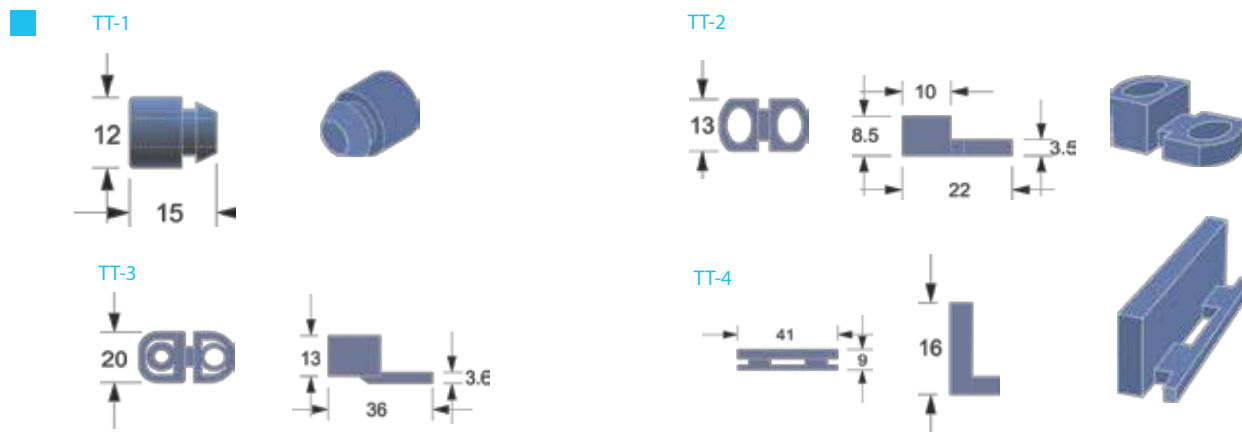
## LTM-6 buffer stop

Buffer stop to put in the telescopic steel covers behind LT-2, LN-2 and LTM-4 way wiper.



# Accessories for telescopic steel covers

## Buffer stops



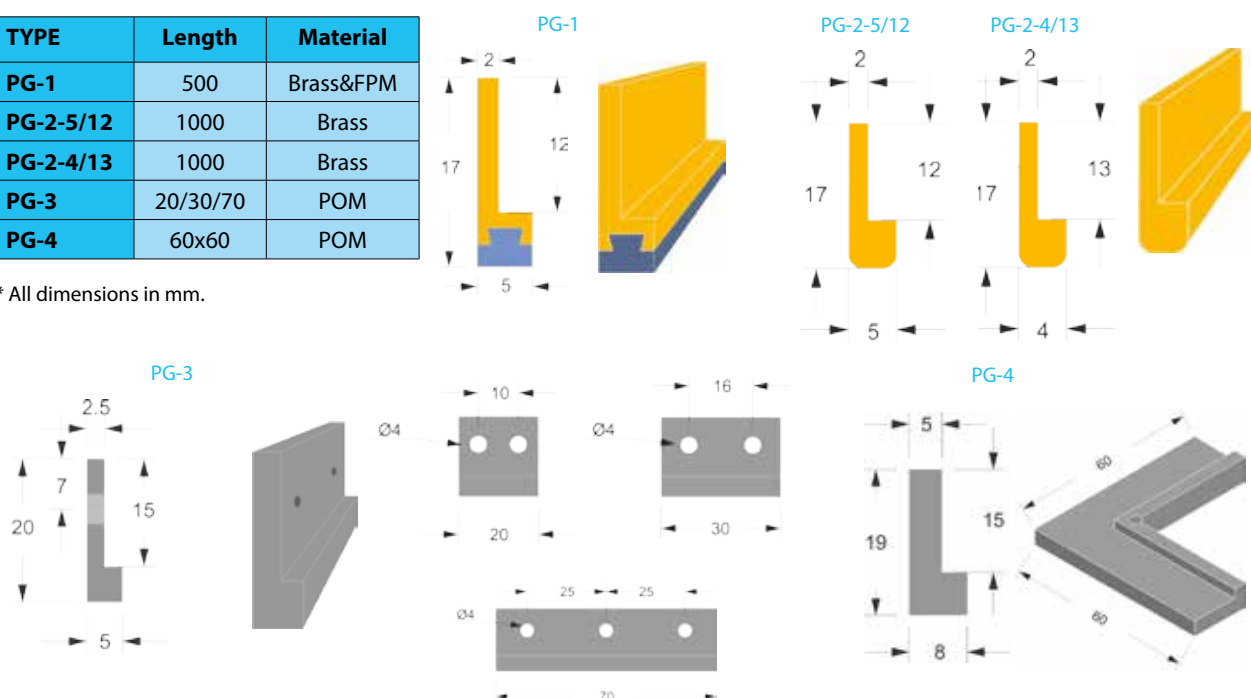
## Slinders for telescopic steel covers

### PROPERTIES

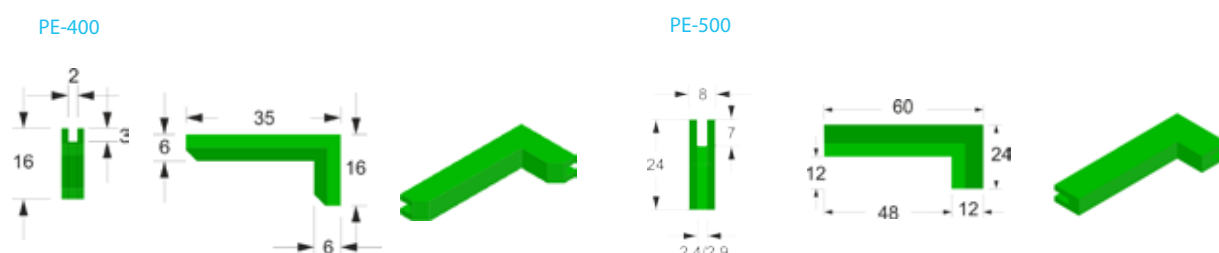
Excellent mechanical properties, resistant to mineral oils, hydrolysis, microorganisms, acids and alkaline solutions (low friction coefficient). Sliding rubber: FPM vulcanized to the brass

TYPE	Length	Material
PG-1	500	Brass&FPM
PG-2-5/12	1000	Brass
PG-2-4/13	1000	Brass
PG-3	20/30/70	POM
PG-4	60x60	POM

\* All dimensions in mm.



PE-400 and PE-500: Polyethylene slides (PE-1000) for telescopic protections.

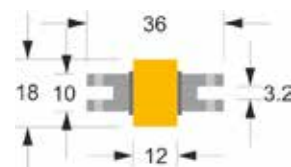


We manufacture any type of slide according to sample or drawing.

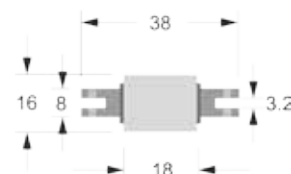
TYPE	T	S	W	H	A	B	Material
PG-5	1,4	5	8	12	5	-	Teflon
PG-5.1	1,9	8	6	-	57	34	Teflon
PG-6	1,4	5	8	12	10/20	-	Teflon
PG-6.2	1,4/1,9	5/6	8	12/15	42/45	27/30	Teflon

\* All dimensions in mm.

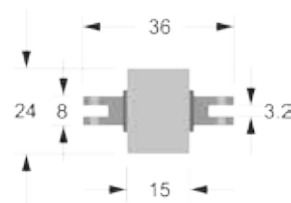
BRONZE ROLLER



TEFLON ROLLER



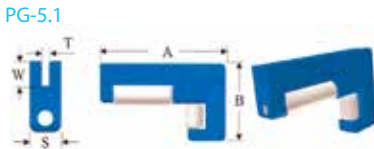
STEEL ROLLER



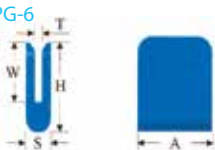
PG-5



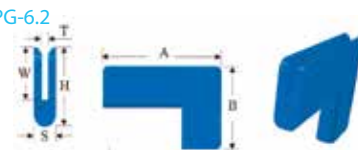
PG-5.1



PG-6



PG-6.2

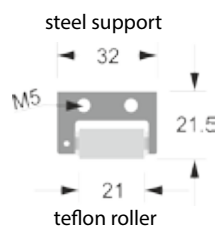
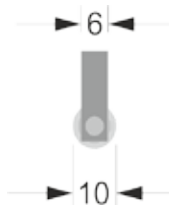


PG-12



bronze roller

PG-13



teflon roller



## Traction springs



\* Available in different measures or according to drawing.

## Cleaner and joints sealer

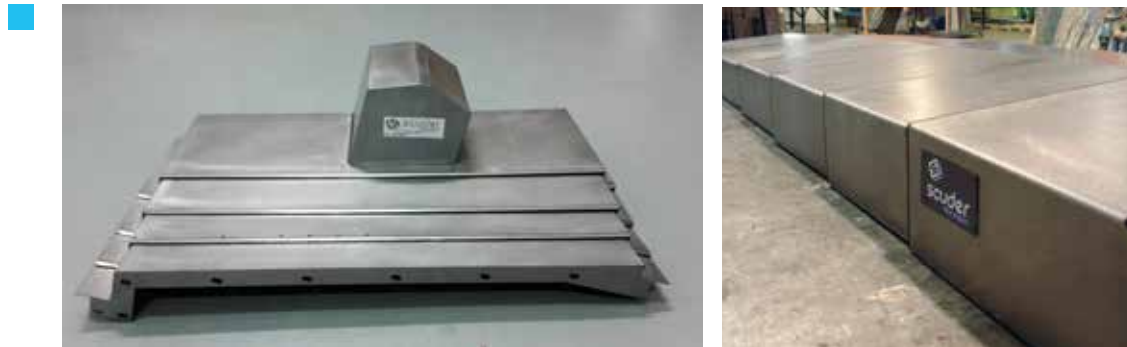


\* Special for telescopic steel covers.

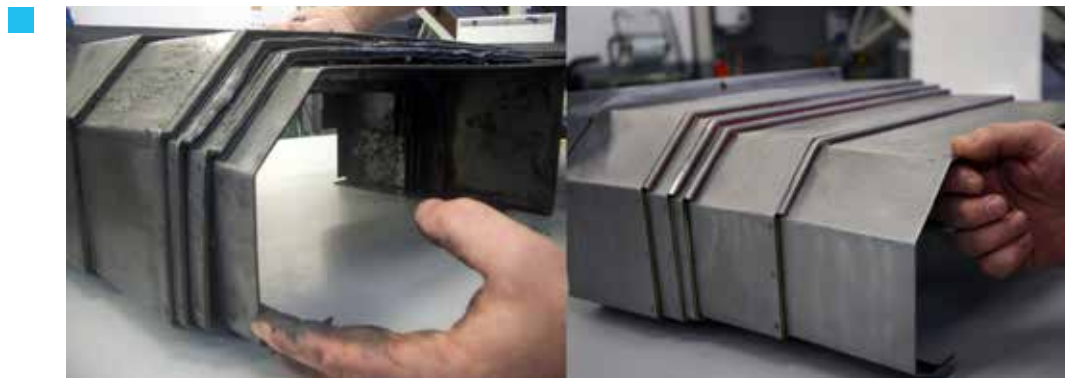
# Telescopic steel covers for Machine Tool

- Telescopic steel covers to protect guides and spindles. Manufactured according to the drawing or sample. Also repairable depending on the state of the protection.

## Manufacturing of telescopic steel covers

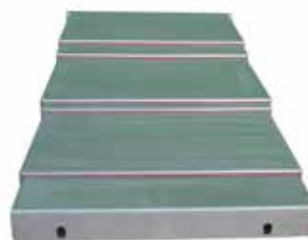


## Repairing of telescopic steel covers



BEFORE

AFTER



# Chip conveyors for Machine Tool

NEW

- Scuder manufactures chip conveyors for machine tools according to current safety regulations. The conveyors are manufactured with materials and engines of first quality. We use different construction methods for all types of shavings/chips. Manufactured according to drawing, sample or sketch, with the customized RAL color. Our technical department will study what is the best solution for the needs of each customer. Request for technical information.



# Aluminum apron covers

- **Scuder** manufactures anodized aluminum aprons to protect machinery. According to provided measures or drawing.

## COMPOSITION

- High quality hardened anodized aluminum. Slat width 20 mm. and 5.5 mm. thick
- Polyurethane links with special treatment against oils and coolants
- Metal connecting screws and hinges. Screwed or countersunk screwed
- Terminals:
  - Square Type "E" 30x20
  - Plans Type "P" 25 mm. wide 5.5 mm. thick
  - Drilled according to the drawing



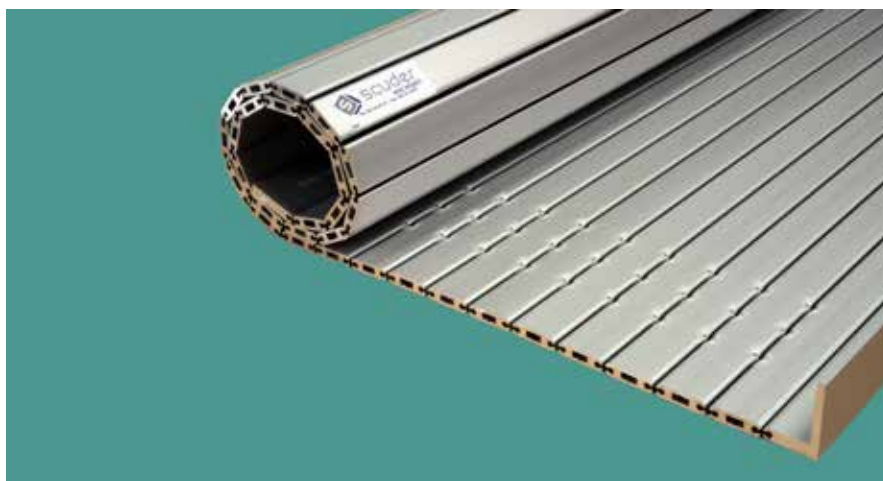
## ACCESORIES

- Winding drums (with or without housing) assembled with the blind if the measures permit.
- Winding drums. \*Request for a measures-form.

We supply any independent blind component: polyurethane lip, screws, etc.

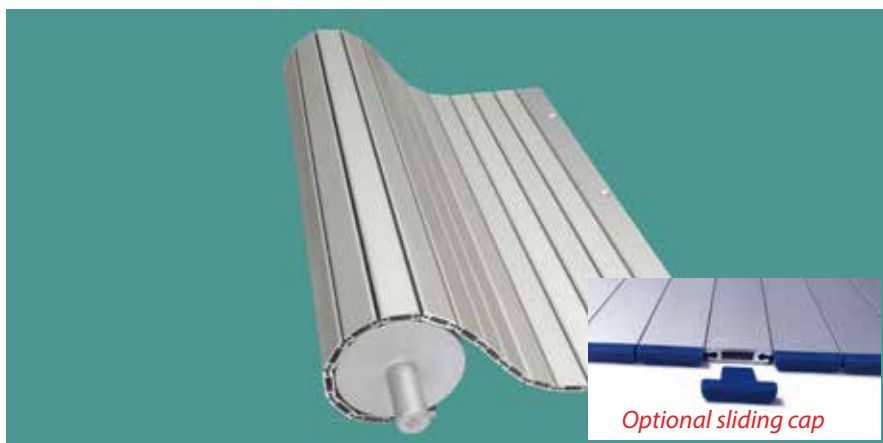
## PHR+ model

- Riveted hollow aluminum apron (maximum resistance) with special polyurethane links. Not detachable.



## PHR-ENR model

- Riveted hollow aluminum apron with special polyurethane links designed for winders. Not detachable. 30% lighter than the PHR + model but with great resistance.



NEW

Optional sliding cap



## PHR+ WATERTIGHT model

- Riveted hollow aluminum apron plus (watertight). With a flat and rigid face that prevents the entry of oils and shavings, with special polyurethane links. Rotation in a single direction. Not removable.



NEW

## PHR model with window

- Aluminum aprons manufactured with anodized aluminum slats with great resistance intercalated with polycarbonate transparent slats to permit the worker the vision to the interior of the machine.

We offer the manufacturing according to drawing. Available in PHR+, PHR-ENR and PHR+WATERTIGHT models.



NEW

Optional sliding cap in  
PHR-ENR y PHR+WATERTIGHT models.

## PHA model

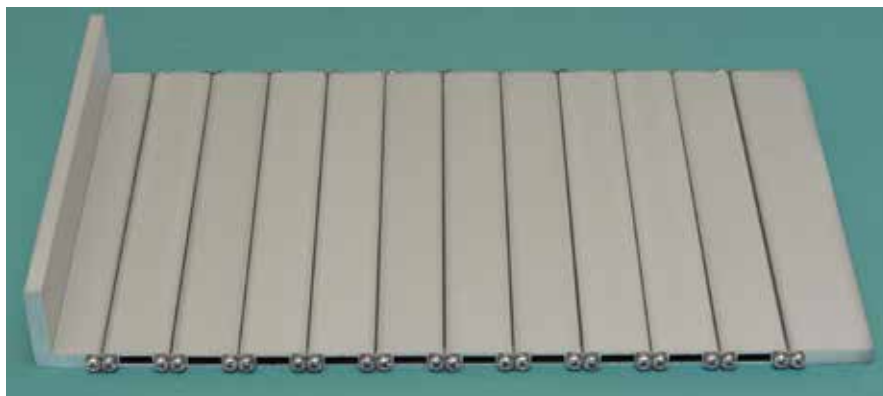
- Screwed hollow aluminum apron, with special polyurethane links and special screws.

Easy to detach and repair



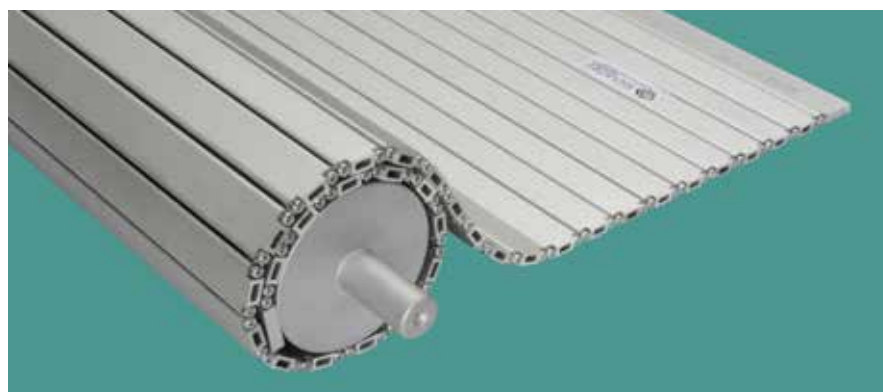
## PHA-ENR model

■ Screwed hollow aluminum apron with polyurethane links and special screws, designed for winders. A 30% lighter than the PHA model but with a great resistance. Easy to detach and repair.



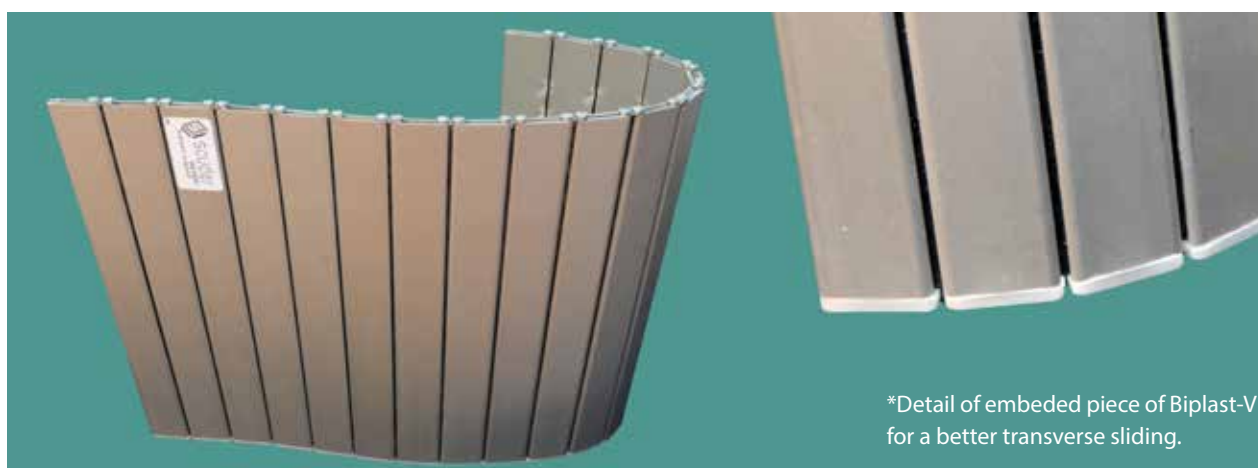
## PHE model

■ Maximum resistance milled hollow aluminum apron, with countersunk screws and special polyurethane links. Easy to detach and repair.



## BA model

■ Blind composed of anodized aluminum bonded together with a special polyurethane with high resistance to oils and coolants. In the bottom has embedded a piece of Biplast-V®, which (for its properties) allows the transverse sliding of the blind along the guide, without altering its state. The top of the blind is reinforced with hinges and connection screws to give greater rigidity to the blind. Suitable for working in high-speed transverse position (tool changers and other application requiring minimal friction).



\*Detail of embedded piece of Biplast-V for a better transverse sliding.

## CLA model (walk-on)

NEW

This blind is the best for covering pits. The blind is manufactured with high quality hardened aluminum slats (0,25 microns), resistant to corrosion and temperatures up to 300°.

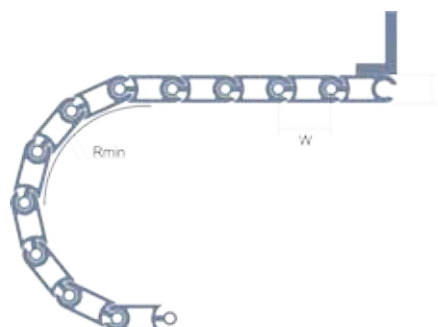
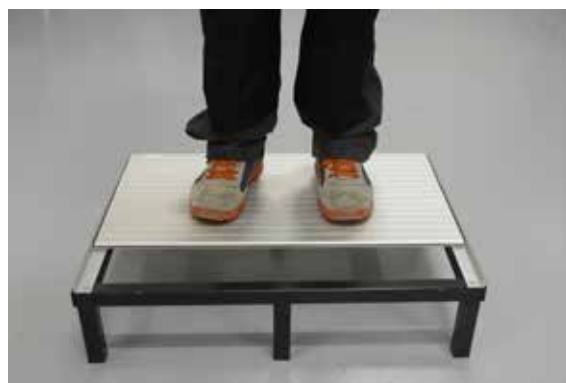
Mounted with rivets in the sides. The slats are easy to change without necessity of disassembling the complete blind.

It's resistant to different weights depending on the length (A) and the dimensions of the the slat (W-T)

OPTIONAL: Supply of support guides and motorization with or without housing depending on the maximum length, according to drawing.

Max. width CLA-14: 2500 mm. without support guide and 5000 mm. with central support.

Max. width CLA-25: 3000 mm. without support guide and 5000 mm. with central support.



## Technical data of Scuder aluminun apron covers

TYPE	W	T	Rmin	A500	L	A1000	L	A1500	L	A2000	L	A2500	L
CLA-14	25	14	40	<450kg	<20	<130kg	<40	<100kg	<40	<40kg	<50	0kg	<10
CLA-25	50	25	125	<1,7tn	<20	<1,5tn	<20	<1tn	<20	<480kg	<50	<100kg	<50
PHR+	20	5,5	35	200kg		100kg							
PHR-ENR	20	5,5	35	150kg		70kg							
PHR+WATERTIGHT	20	5,5	35	175kg		80kg							

\* All dimensions in mm.

kg/m <sup>2</sup>	CLA-14	CLA-25	PHR+	PHR-ENR	PHR-EST
Kg	25,0	40,0	9,6	6,2	8,0

# Biplast-V®

over 40 years guiding machinery

- The Biplast-V® is a slideway for the modern construction of machine tools and other machinery. It is composed of sheets of acetal resin (POM natural) covered in the part where will be glued by a special synthetic fabric (STRETCH), forming an inseparable unit. The Biplast-V® has excellent sliding properties and dry running (without using oils or lubricants), has excellent resistance to wear, high load capacity and resistance to high temperatures.

The coatings that has the Biplast-V®, have the advantage that the static and dynamic friction coefficient are practically even, eliminating the effects stick-slip, enabling a high precision of positioning at low forward speeds in numerical control machines.

## SUPPLY

- Plates of 2000X500mm.
- Thicknesses of 1.5, 2, 3, 4, 5 and 6 mm.
- We offer the cutting and mechanize of plates with grooves and holes according to your drawing.



**SCUDER IS THE EXCLUSIVE  
DISTRIBUTOR OF I-PLASTIC  
for Spain, Portugal and Latin America**



# Kleber IP-25/11 adhesive

**\*request a  
technical  
report**

- The bicomponent adhesive Kleber (adhesive "A" and hardener "B"), has a great resistance to synthetic lubricants and oils to continuous temperatures up to made of elastic epoxy resin base with excellent mechanical and thermal properties with a resistance up to 100° C.

This adhesive is recommended for the caulking of the plates of Biplast-V and hydrostatic plates, also for the caulking of steel plates and other applications. We also offer a special degreaser for the cleaning of the parts to be caulked.

The use of Scuder degreasing cleaner is recommended before gluing.

## SUPPLY

- Indivisible lot (adhesive + hardener)

We are at your disposal for any technical enquiry.



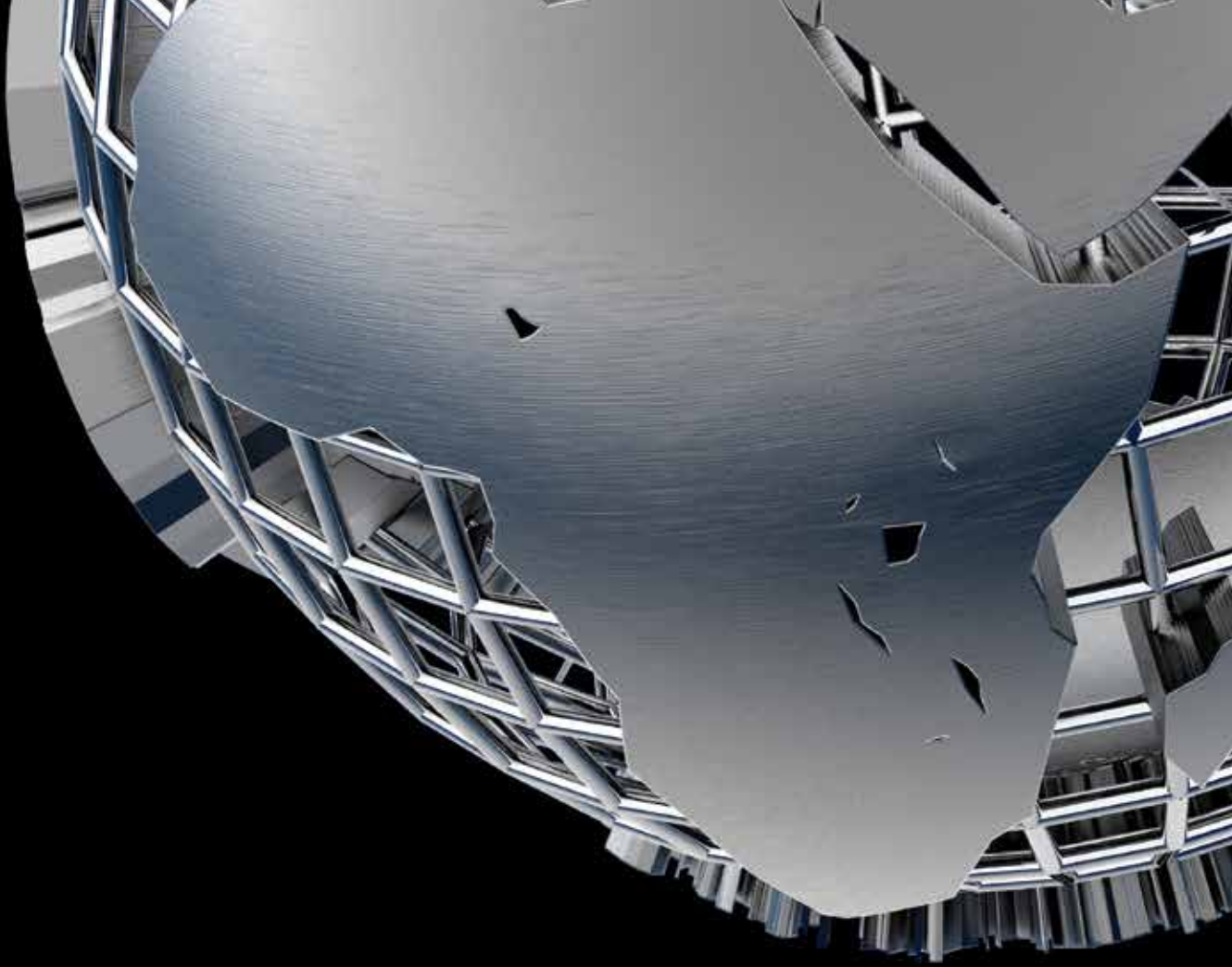
# Special plates for hydrostatic guides

- Special plates with a great strength and durability for using in heavy hydrostatic machines with housings, mechanized according to the drawing.





scuder is worldwide



Biplast-V®, Kleber IP-25 adhesive and Special plates for hydrostatic guides

# Leveling and anchoring elements

- The Machine Tool experiments different thrusts during the machining process. These thrusts tend to vary (temporarily or permanently) the alignment originally given to the guide surfaces, influencing the accuracy of the work. The machines must be placed on a foundation and connected so as to form a rigid block. Functions of SPINELLI levelers:

- Convert the machine - foundation, in a single and leveling element
- Damp vibrations, eliminating inaccuracies of the machine
- Flatness correct settings
- Keep in the future the initial operating conditions

The Italian company SPINELLI takes over 25 years providing solutions for the leveling Machine Tool, exporting its products worldwide. In addition to certification of its products, it has TUV certification according to UNE-EN ISO 9001.



In addition to the levelers manufacturing, SPINELLI has specialized in the installation in the assembly phase, conducting geological tests, static calculations and designs, waterproofing and painting, assembly and verification tests. It is also possible to customize the levelers with the colours of your company as well as the length of anchor bolts.

**EXCLUSIVE DISTRIBUTOR OF SPINELLI**  
**for Spain and Portugal**

**\* Request for a  
detailed catalogue**



- |                           |                            |
|---------------------------|----------------------------|
| ■ <b>Antivibrations</b>   | ■ <b>Centering compass</b> |
| ■ <b>Anchor bolts</b>     | ■ <b>Spherical washer</b>  |
| ■ <b>Anchor extension</b> | ■ <b>Pushers</b>           |
| ■ <b>Cover boxes</b>      | ■ <b>Other accessories</b> |





scuder is human team



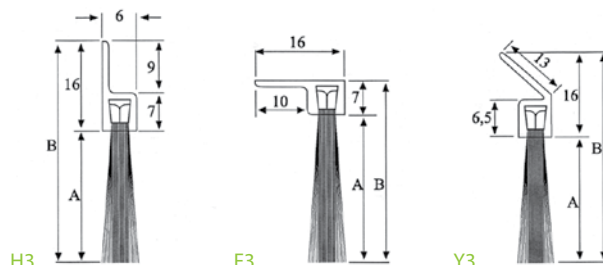


# Technical brushes

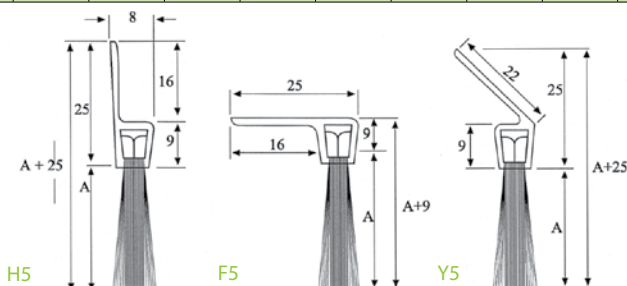
**Scuder** offers a wide range of Strip brushes to clean production chains and machinery. We also manufacture according to the drawing of our customer.

## Strip brushes

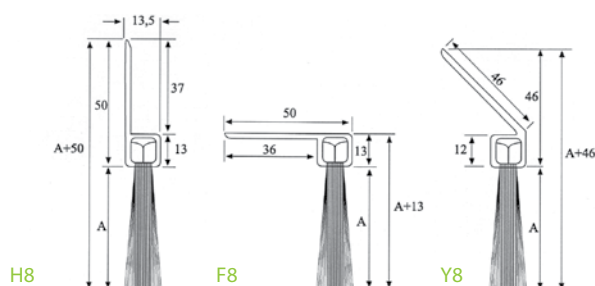
**COMPOSITION:** Aluminum bracket and polypropylene bristles, steel and brass-plated steel.



Ref	H3-14	F3-14	Y3-14	H3-24	F3-24	Y3-24	H3-34	F3-34	Y3-34	H3-44	F3-44	Y3-44
A	14	14	14	24	24	24	34	34	34	44	44	44
B	30	21	30	40	31	40	50	41	50	60	51	60



Ref	H5-15	H5-25	H5-35	H5-45	H5-50	H5-55	H5-60	H5-80	H5-90
F5-15									
Y5-15									
F5-25									
Y5-25									
F5-35									
Y5-35									
F5-45									
Y5-45									
F5-50									
Y5-50									
F5-55									
Y5-55									
F5-60									
Y5-60									
F5-80									
Y5-80									
F5-90									
Y5-90									
A	15	25	35	45	50	55	60	80	90



Ref	H8-40	H8-50	H8-60	H8-70	H8-80	H8-100	H8-120	H8-150	H8-180	H8-200	H8-210
F8-40											
Y8-40											
F8-50											
Y8-50											
F8-60											
Y8-60											
F8-70											
Y8-70											
F8-80											
Y8-80											
F8-100											
Y8-100											
F8-120											
Y8-120											
F8-150											
Y8-150											
F8-180											
Y8-180											
F8-200											
Y8-200											
F8-210											
Y8-210											
A	40	50	60	70	80	100	120	150	180	200	210

## Curved brushes

Strip brushes adaptables to any curvature. Plastic bracket and polypropylene bristles.



## Brushes according to drawing

Manufacturing of brushes according to customer's drawing: cylindrical with keyway, made of polypropylene, stainless steel, brass-plated steel, etc. PVC strips of any measure.



## Anti-static brushes

Anti-static brushes of horsehair or vegetable fiber.



horsehair

vegetable fiber



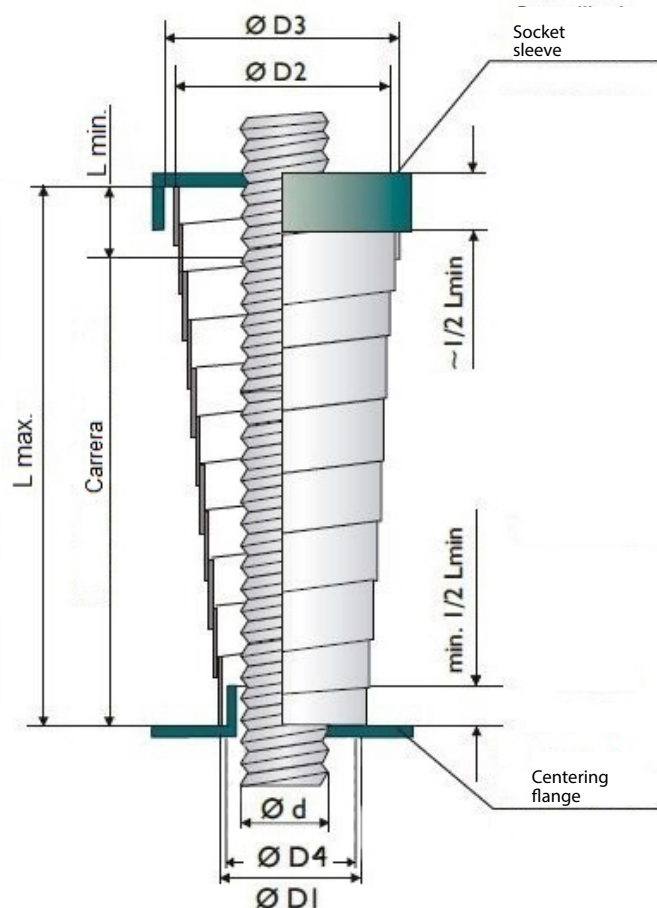
scuder is speed

# Telescopic springs to protect shafts and spindles

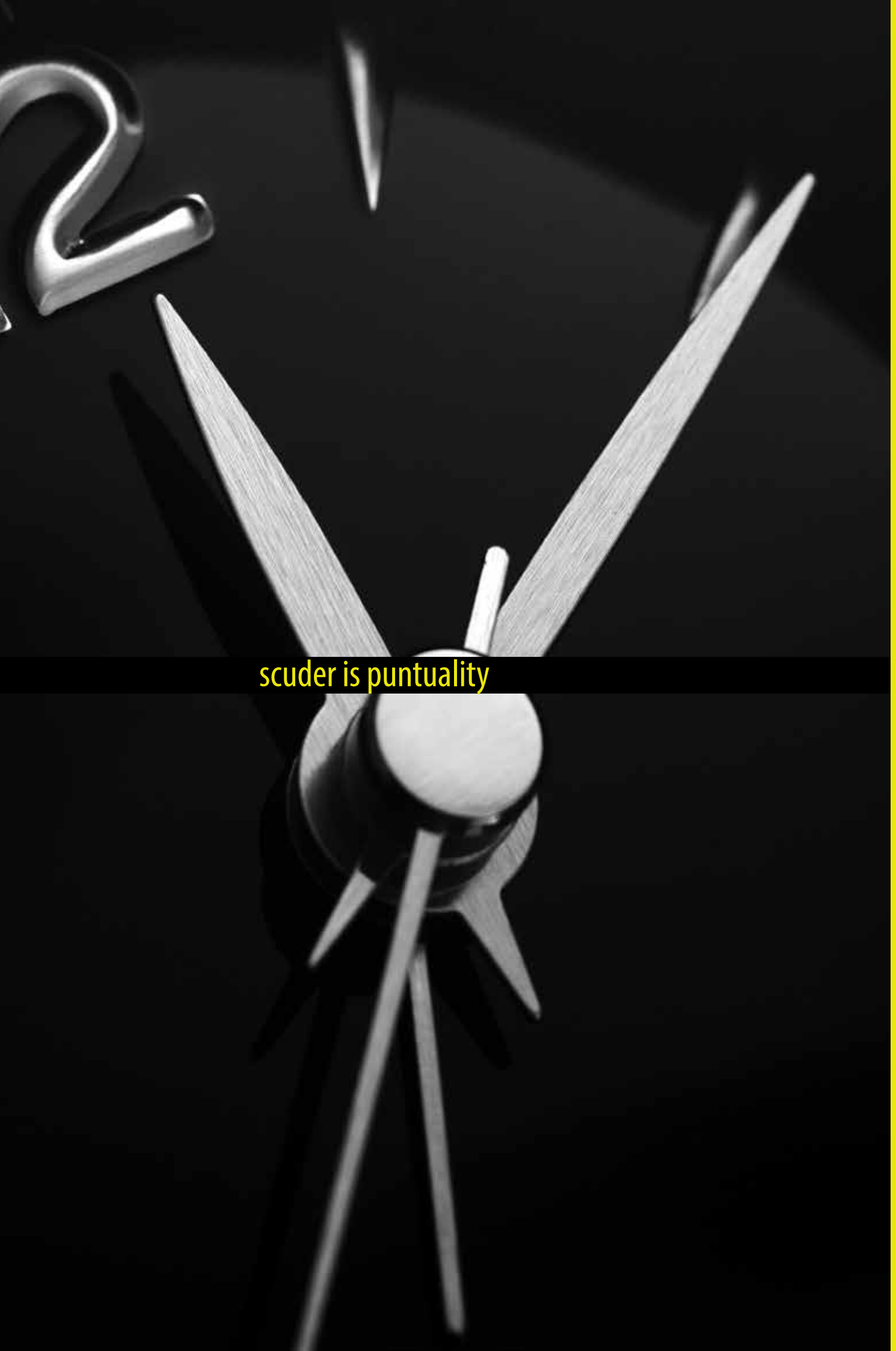
The telescopic springs are necessary for the proper operation of machinery to avoid accidents and breakdowns. Manufactured with extra-strong steel straps (Rockwell 55-58)  
For areas with elevated exposure to refrigerants and coolants the **stainless steel** protectors are recommended. They can be placed in a horizontal "H" and vertical "V" position.

We also offer **RETROFITTING SPRINGS** for a quickly and easy mounting to avoid the disassembly of the spindle .

<b>d</b>	Diameter of the spindle or axle to protect
<b>D1</b>	Inner diameter of the telescopic spring
<b>D2</b>	Outer diameter of the telescopic spring
<b>D3</b>	Inner diameter of the axle housing (D2+6 mm.)
<b>D4</b>	Outer diameter of the centering flange (D1-6 mm.)
<b>Lmin.</b>	Minimum compression of the telescopic spring
<b>Lmax.</b>	Maximum length of the telescopic spring



\* Request for a detailed catalogue



scuder is punctuality

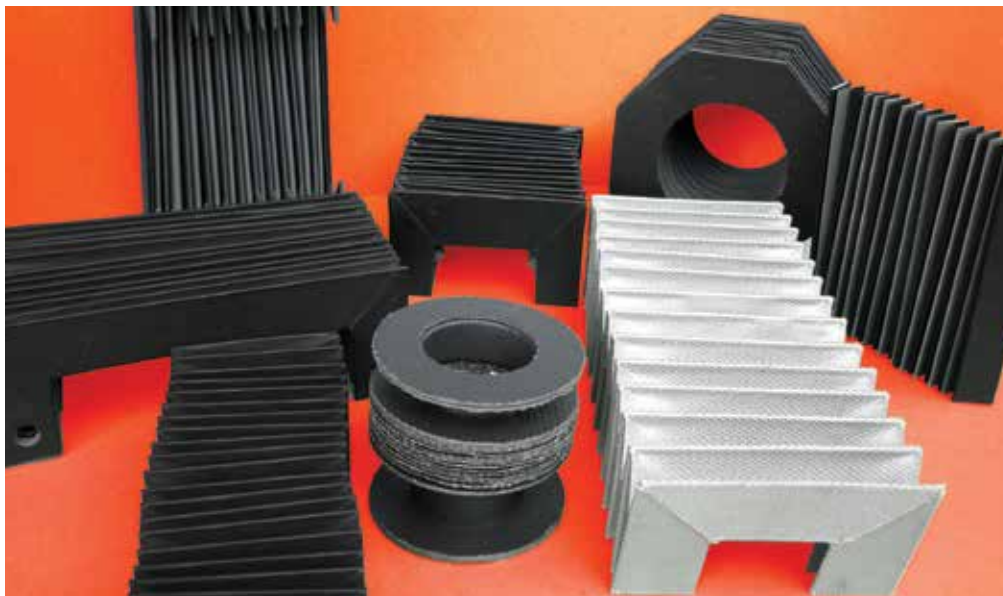
Telescopic springs to protect shafts and spindles



# Bellows and roll-ups

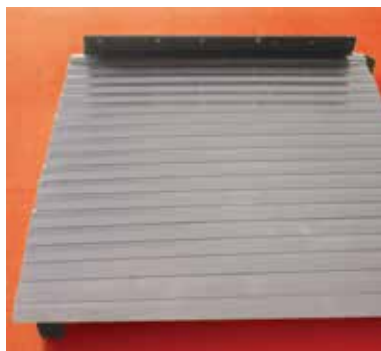
- Bellows and roll-ups to avoid the entry of shavings and dirt into the machinery. Manufactured according to the drawing or sample.

**COMPOSITION:** Different types of materials, inner PVC frames, stainless steel strips and anchoring terminals according to the drawing for different types of applications.



\* Examples of different manufactured shapes.

NEW



\* Example of bellows with stainless steel strips recommended for areas with hot shavings.



\* Bellows with Biplast-V pieces recommended for a better sliding on high speed machines.



\* Examples of roller covers, with or without housing, with stainless steel or other materials like polyurethane, PVC, nylon, etc.



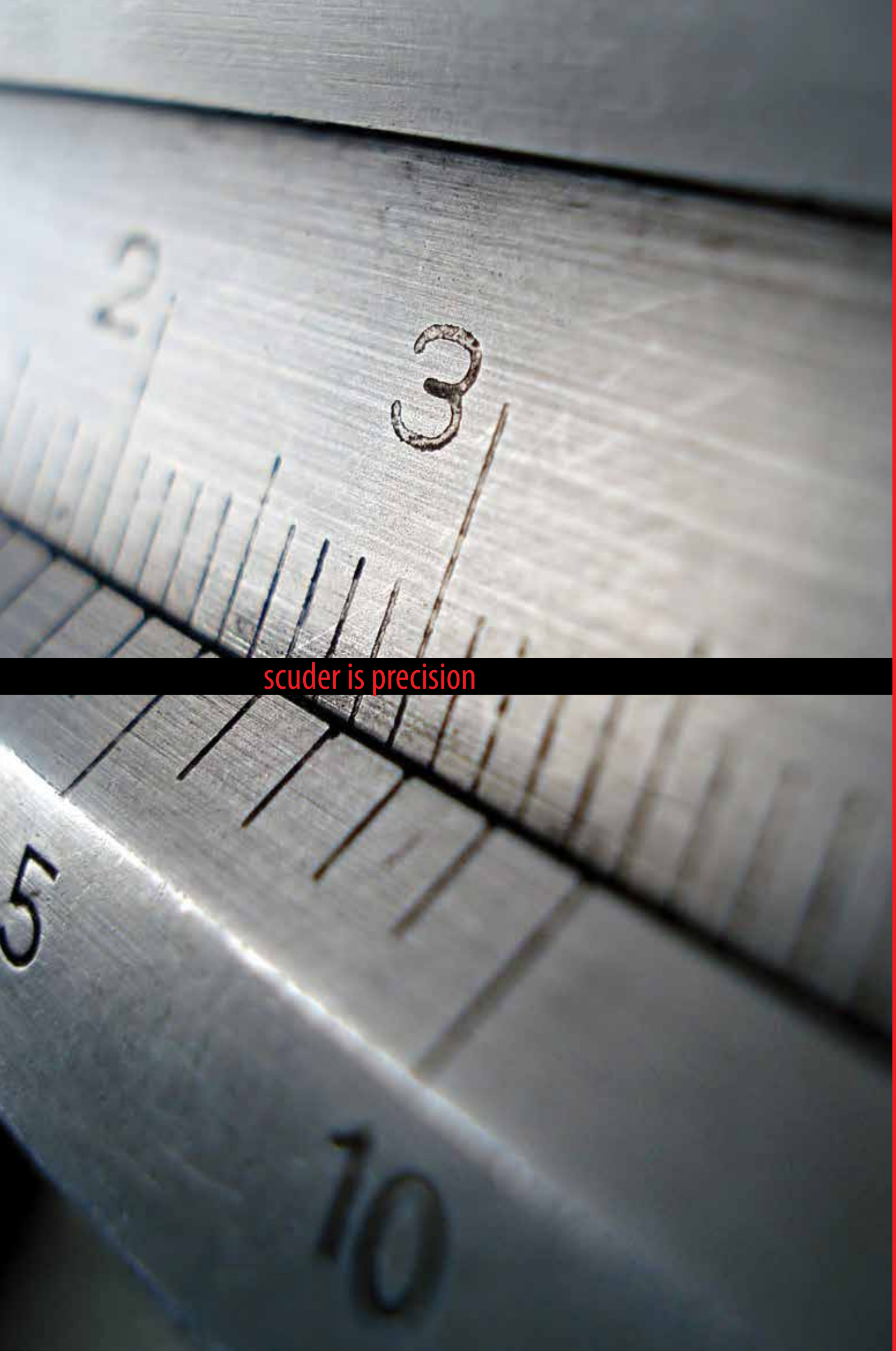
\* Example of bellows manufactured in nitrile, PVC,... injected.

## Cleaner and joints sealer

- Special for bellows and roll-ups.







scuder is precision

# Cable carriers

- The cable carriers are necessary to protect the machinery's cables. We offer cable carriers of galvanized sheet metal, with inner and outer straps and different types of flanges.



\* Request for a detailed catalogue of measures.

## Engineering plastics

- All types of special plastics for machinery manufactured according to the drawing for its different applications.



## FLEX PVC curtains

- FLEX PVC curtains specials for fluid retention and shaving. Supply according to the drawing.



## Superpolyamid screws

- Special superpolyamid screws for fastening Biplast-V plates in the gluing process. Several metrics.



## Brass screws

- Countersunk head brass screws for holding rules of bronze, plastic, ... Several metrics.



# Aluminum slot covers

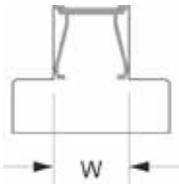
Special aluminum slot covers, blind or with orifices for the refrigeration. We offer different measures.



\*Supply in length of 1000 mm.

TYPE	W
CR-12	12
CR-14	14
CR-16	16
CR-18	18
CR-20	20
CR-22	22
CR-24	24
CR-28	28
CR-36	36

\* All dimensions in mm.



## Support blocks

Used for storing and transporting heavy machining parts.  
Manufactured with mold in materials with load resistance of up to 6000 kg/block.  
Standard measure: 150x150x30 mm. They can be manufactured in any measure with mold.

## Antivibration blocks

Manufactured according to measures in different materials for different applications like axles, stops, etc.



# Adhesives, lockings, retainings and special sealings for Machine Tool

**Scuder** is the authorized distributor of **Loxeal Engineering Adhesives**, specialized in the manufacturing of a wide range of Adhesives and sealings very advanced technically. Since more than 35 years, supplies solutions for a wide variety of industrial solutions, more concretely, for Machine Tool industry (adhesiving, sealing, retaining, reparation, etc.)

The Anaerobics adhesives, Cianoacrilates, Epoxi, Structural Acrylics, of ultraviolet curing, Polyuretanes and other complementaries have been recognized for their efficiency and have been tested to the most extreme situations.

We offer you a specific adhesive for each application.



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DISTRIBUTOR**

**LOXEAL®**  
ENGINEERING ADHESIVES

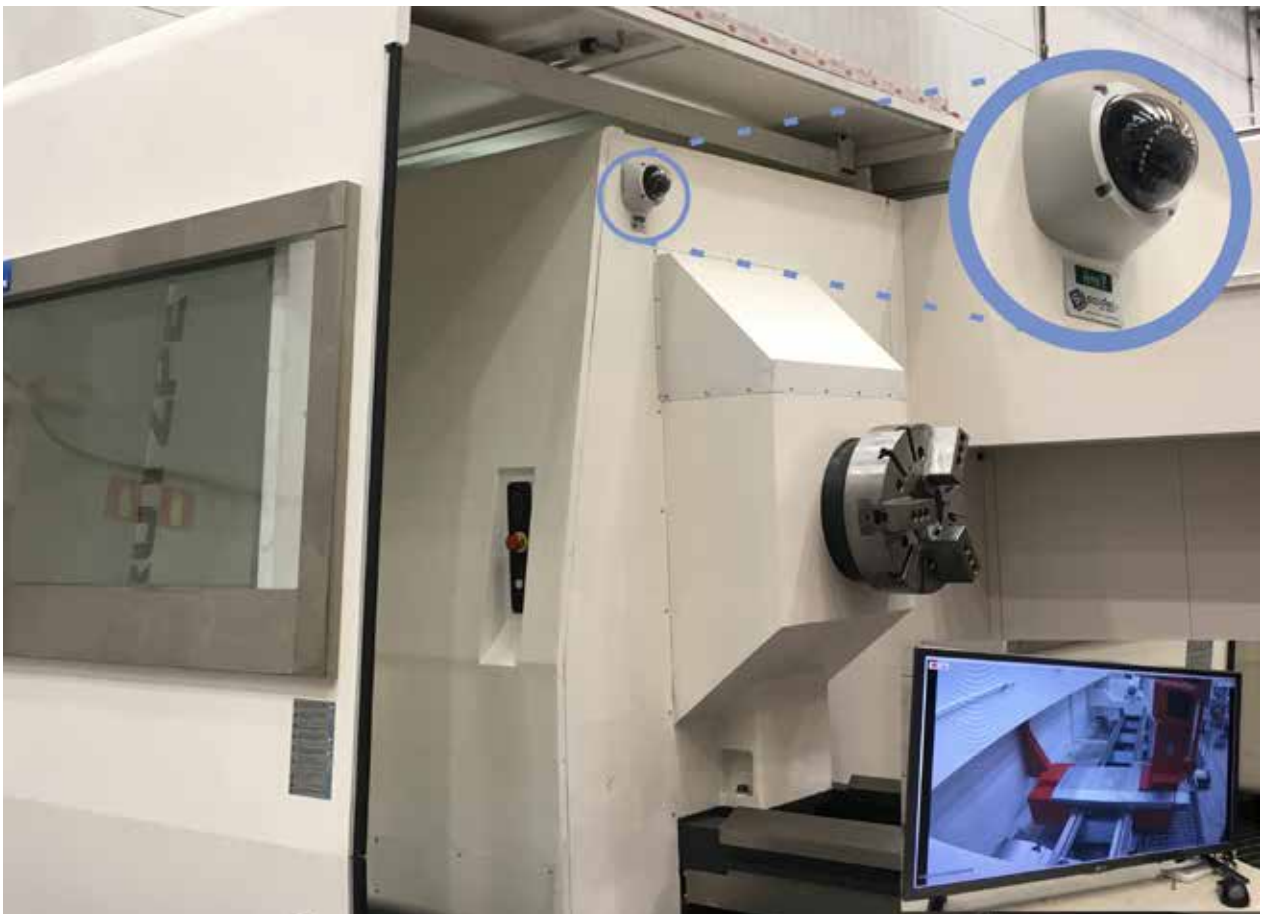
**\*Request for a  
detailed catalogue**



# Monitoring systems for machining operations

■ Scuder co-working with Area7, the leading company in security problems and surveillance, has developed a monitoring system for machines. With this new method, it's really easy to control the mechanization processes by installing high definition cameras inside the machines, allowing you to watch what's happening, from a control point or using your mobile phone or tablet wherever you want.

This new system works with an online video recording station in high quality (NVR) that allows you to see every moment live videos and videos recorded in the last days from a maximum of 64 cameras to check them later. The cameras are resistant to splashes of drills, can be controlled with the zoom and have infrared vision to be possible to see in very bad conditions too.



The main characteristics of the monitoring system are:

- The software and the wide range of high quality cameras permit you to get a very good vision, also when there's darkness or bad conditions.
- The person who is revising has a wide range of options when he is checking the videos, to realize easily where is the problem.
- It has an APP to control the machines on live videos, recording all the videos on online IP's.
- An enormous resistance in bad conditions.





## Scuder is human team

- **Scuder** was created with a workforce, with over 20 years of experience in the sector of Machine Tool. Qualified and expert people who make up the Scuder team.

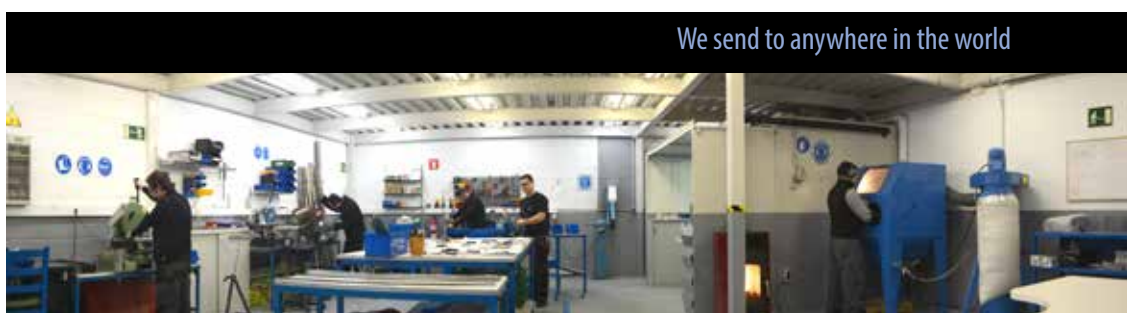


## Scuder is company

- Located in the industrial site of "Poligono 27" of Donostia - San Sebastian, we have a pavilion desined to offering excellent quality and punctuality service when delivering your orders.

You can request for information by telephone, online at [www.scuder.net](http://www.scuder.net), or by means of our e-mail addresses:

- [info@scuder.net](mailto:info@scuder.net)
- [comercial@scuder.net](mailto:comercial@scuder.net)



# Scuder is quality

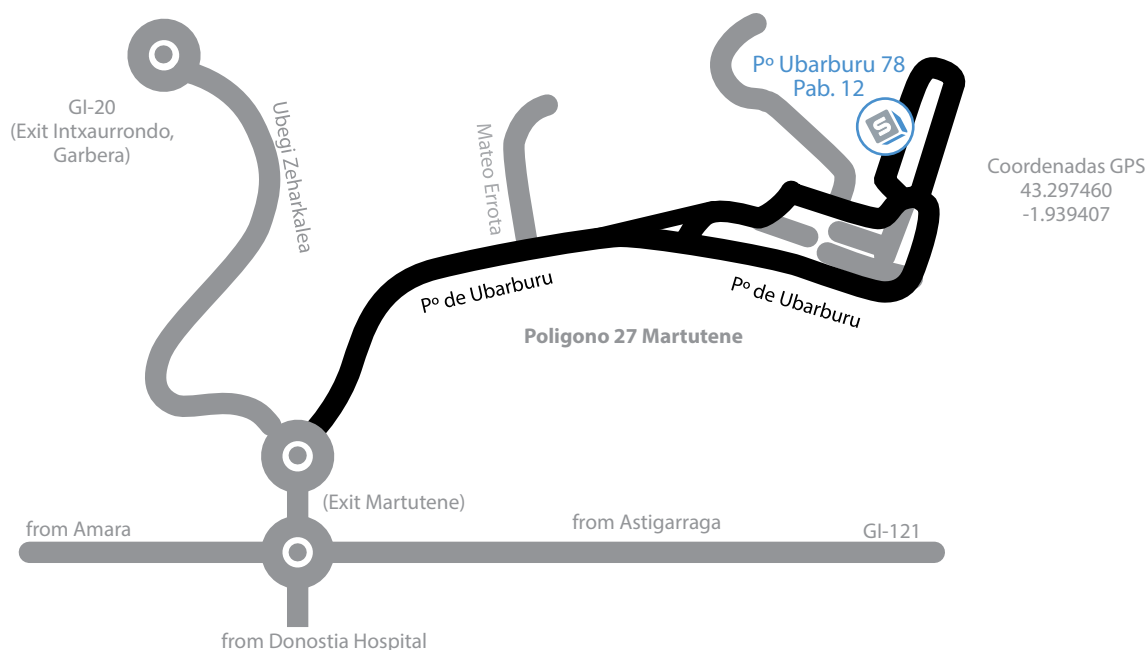


- From its beginnings *Scuder* has implemented a quality management system based on the UNE-EN-ISO 9001 regulation.

Extensive facilities to offer the best service



## You will meet us at:



Pº Ubarburu 78 · Pab. 12 · Polígono 27  
20115 · Astigarraga · Gipuzkoa · Spain  
Tel: 0034 943 44 44 27

[info@scuder.net](mailto:info@scuder.net)

[www.scuder.net](http://www.scuder.net)



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