

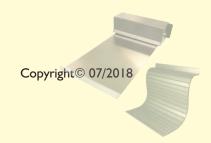
Industrial-Roll-up Covers and Cover Aprons

- As protection of the operating personnel
- As closure of openings
- As an accident protection
- As protection against contamination
- As protection against mechanical damage
- As protection against involuntary hand contact



All Dimensions in mm.

Subject to change without notice.



Content

Roll-up Covers	Page
General and Special	5
Guide Rails	6
Roll-up Systems	6
Band Material	6
Inquiry form for Roll-up Covers	7 + 8

ProFlex Apron Covers	Page
Apron Covers type K (hinge version)	- 11
Apron Covers type S (plugged in profiles)	П
Apron Covers type L (lightweight version)	П
Guide Rails	12
Snail-shell roll-in system	12
Inquiry form for apron covers	13
Variations and applications	14

Roll-up Covers



General and Special

STEINBOCK roll-up covers are used successfully in all areas of the industry. They are robust, long-term proven and are manufactured customized according to the latest state-of-the-art technology.

They take into account the requirements of machinery and personal protection in accordance with European CE directives (2006/42 / EC, 2014/35 / EU) and functional safety (ISO 13849).

Selection

Basicly, all roll-up covers and ProFlex apron covers are taylor-made according to your requirements and dimensions. When to choose a roll-up cover or apron cover *with* and when *without* housing?



Without housing

- if a simple, inexpensive cover solution is sought,
- if the installation conditions are tight.

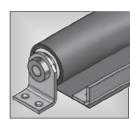


- With housing
- When the roll-up roller and/or the winding mechanism should be protected, e.g. against mechanical influences or against pollution,
- if a wiper is to be attached,
- if a pulley is to be integrated on the housing,
- if a steel band is desired.

Selection of cover bands

Please see table on page 6





- With brackets (pointing inwards or outwards). The brackets are default in black or optionally painted in any RAL color.
- In fact, any mounting requirement for the housing can be realized (see inquiry form on page 7/8).
 The housing is painted in standard black or optionally in any RAL color.



Preload



- For roll-up covers without housing, the adjustment is made on site according to the installation instructions. The number of calculated preload revolutions is indicated on the bracket.
- Roll-up covers with housing are factory set with optimal torque.
 The number of preload turns is indicated on the housing and can be changed if necessary.



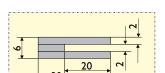


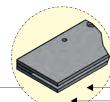
BETTER SAFE THAN SORRY!

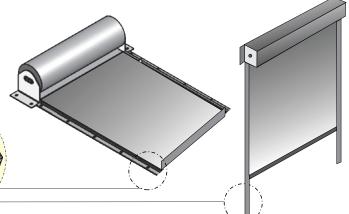
Therefore, we provide detailed drawings after receipt of the order for checking and approval.

Guide Rails

While roll-up covers with fabric band normally do not require lateral guide rails, these are indispensable for those with steel band (see illustration), as there is a risk of injury at the side edges.









With AWS spring motor

Roll-up Systems

For rolling in and out of the cover band, an internal spring motor is used. In special cases, it can also be flanged on the outside. Both equally apply to roll-up covers with fabric bands and with apron covers.

For steel band covers, the steel band itself serves as a spring motor.

Excerpt from our wide range of cover bands for Roll-up Covers

	Material	Thickness in mm	Color	max. band width in mm
I	PUR/PES/PUR	0,21	black	1500
2	PUR/PES/PUR	0,34	black	1500
3	PUR/PES/-	0,90	black	2000
4	PUR/PES/PUR	1,10	black	1600
5	TPU/Nylon/TPU	0,80	black	1450
6	TPU/Nylon/TPU	1,10	black	1450
7	PUR/NOMEX/PUR	0,28	black	1500
8	PUR/NOMEX/PUR	0,35	black	1500
9	PTFE/PES/PUR	0,35	black	1500
10	PVC/PES/PVC	0,26	black	1500
11	PVC/PES/PVC	0,50	black	2000
12	PVC/PES/PVC	0,50	red	1500
13	PVC/PES/PVC	0,73	black	3000
14	PVC/PES/-	1,00	black	2000
15	PVC	1,00	transparent	1000
16	Stainless steel band	0,2/0,4		1200/600

PES = polyester fabric

PUR = polyurethane

TPU = Thermoplastic PUR

PTFE = Teflon® (®Dupont)

Nomex® = heat and flame retardant

carrier material (®Dupont)

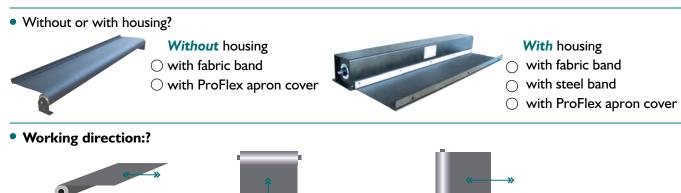
Inquiry Form for Roll-up Covers (Page I)

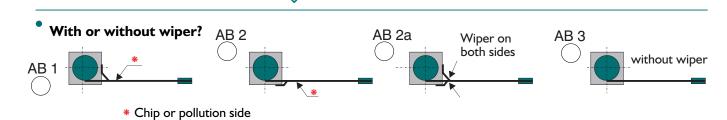
Please tick just how you imagine your new roll-up cover (X)



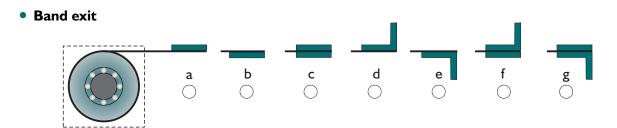
O frontal

After ordering, you will receive a drawing for checking and approval.





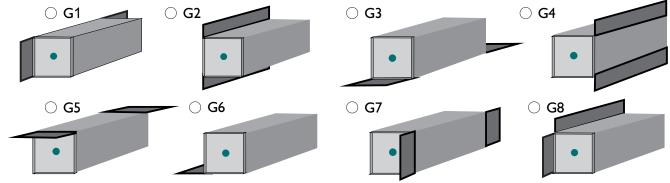
vertical

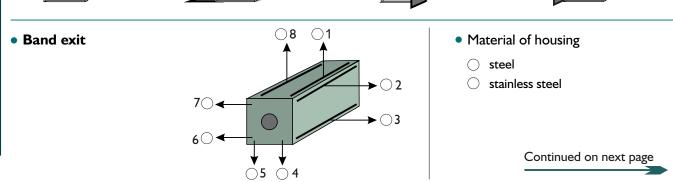


Standard mounting of housing

horizontal

Every possible mounting can be provided. A sketch or drawing is required for custom mounting

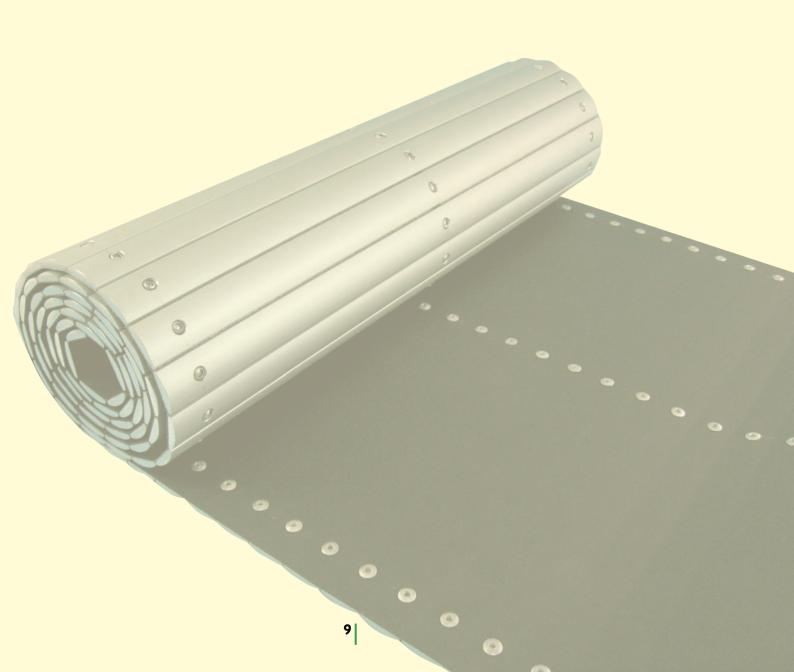




Inquiry Form for Roll-up Covers (Page 2)

For selecting the correct cover band and the best possible spring motor we ask to answer the following questions: Intended use of cover? • Will the cover be exposed for any material? ○ Yes O No If so, which? Which amount? Temperature?° C Lmax Lmax • Width of cover band or the ProFlex cover apron (B): mm Max. extension length (Lmax);mm Max. travel speed:m/min, max. acceleration: g Working cycles / h: Working hours daily: • For roll-up covers with ProFlex aprons, please state the apron type 18,2 Do you want lateral guide rails? — → O No O Yes (please make a selction) OD For apron For apron cover cover K3 K5-R and K5-F For textile/steel band 20 Steel Steel POM 30 Your requirements: piece(s) only once lot sizes pieces Company Name Phone/Fax Postal code/City Street Email

ProFlex Apron Covers

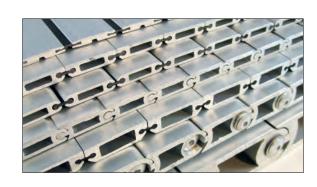


Overview of ProFlex Apron Covers

ProFlex covers are made of precision aluminum profiles. They are anodized, light, inexpensive and fast available.

There are three series:

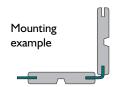
- I) Apron Covers type K (hinge version)
- 2) Apron Covers type S (plugged in version)
- 3) Apron Covers type L (lightweight version)



I) Hinge version aprons (K). The profiles are positively connected with a highly tear-resistant polyurethane hinge. This creates an oil- and coolant-resistant surface that prevents ingress of liquids and dirt (IP54).

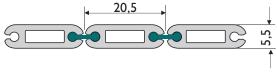
• K3	1.	18.2	. 1
Our smalles	t	- ,	က
			*
19,75	20,9	18,6	\

Туре	Thickness mm	Min. radius mm	Bendable to both sides
K3	3	П	Yes
K5-R	5,5	25	Yes
K5-F	5,5	25	No
K8	8	25	No





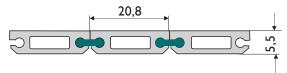
Our bestseller. Profiles rounded.



1

K5-F

Surface flat, can be cleaned by wiper*



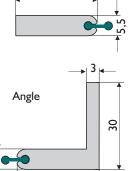


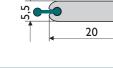


Optionally with side end caps, e.g. as a glider in frontal use

Mounting (optional)

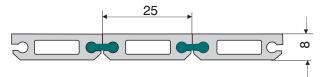
Solid end piece



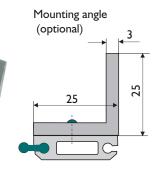




Surface flat, can be cleaned by wiper*



Example: with mounting angle

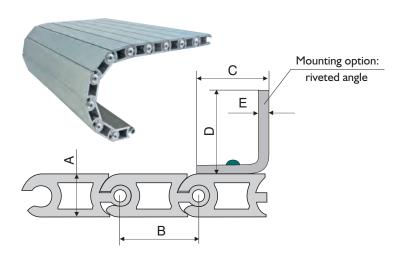


* Can be cleaned by wiper.
We recommend *stanted* wiper position!

Overview of ProFlex Apron Covers

2) ProFlex apron covers type S (plugged in profiles)

They are available in thicknesses of 7, 14 and 25 mm. The profiles S7 are caulked against lateral slipping. The profiles S14 and S25 are riveted, either with external rivets or with countersunk rivets. The profiles can be replaced if damaged. These link aprons are *laser-compatible* and also ideal as a *tank cover* or as a *pit cover*.



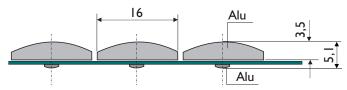


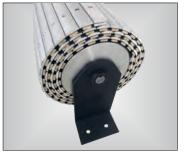
Туре	A mm	B mm	C mm	D mm	E mm	min. Radius mm
S7	7	18,2	19	19	3	31
SI4	14	25	25	25	3	35
S25	25	50	50	25	3	100

3) ProFlex lightweight aprons L

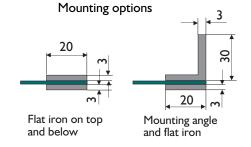
These long time proven ProFlex lightweight aprons are used where a simple and cost-effective protection is required.

Construction: Aluminum segments are riveted onto a highly tear-resistant coated fabric. Optionally available with steel or brass profiles.





Also available with spring motor





ProFlex Aprons as roll-up covers

ProFlex aprons have proven to be ideal as a simple, cost-effective protective cover or as complex machine doors, roller shutters, lifting doors, roof covers, tank or pit covers.

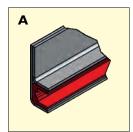
They are manufactured according to customer requirements

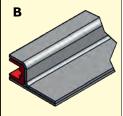
- with and without housing,
- with spring motor or electrically driven,
- with inspection windows,
- with lateral guide rails,
- with snail-shell roll-in system,
- with connection to the machine.

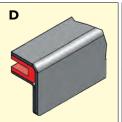
In most cases, a protective roll-up is connected to the machine and follows the movement of the machine. If your use is different, please consider the cover system's strength and weight when configuring the application. To prevent the apron from falling down in an uncontrolled manner, there are balancer systems and retraction aids available. Please call us.

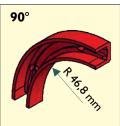
Guide Rails

Lateral guide rails are an ideal option for apron covers.











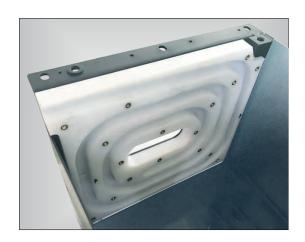
On request, we supply the guide rails - ready to screw on. Dimensions you find on page 13.

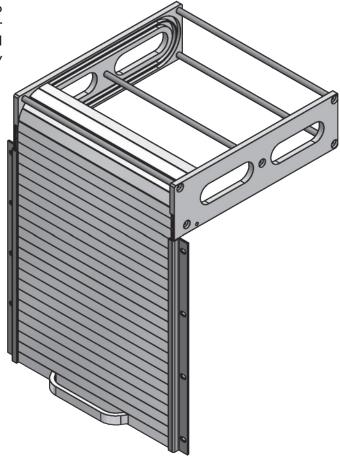
Roll-up Systems

In addition to the explanations on page 6, there is also an ingenious rolling-in system for apron covers - similar to a snail shell. In interaction with sliding shoes and lateral guide rails, the apron cover runs easily and almost smoothly into the snail shell.

The side panels of the snail shell roll-in system are made to order from POM and connected with spacer bars to a unit.

Optionally, the system can also be housed. If there is enough space available, the snail shell roll-in system is the ideal solution.





Inquiry Form for ProFlex Apron Covers

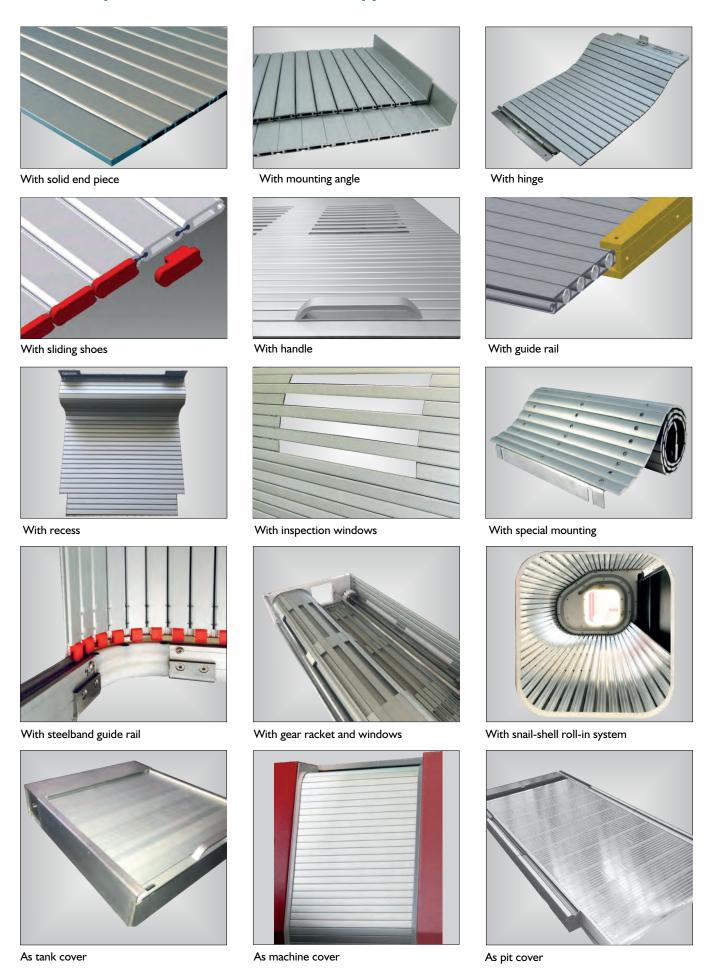
Please tick just how you imagine your new apron cover X



After ordering, you will receive a drawing for checking and approval.

Intended use of cover	
 Working direction? horizontal Profile Type (e.g. K5-R - see page 10 and 11) 	* frontal
Dimensions Width (B)	 without attachment with mounting angle with solid end piece eleration: g Working hours daily: g
How the apron cover will be moved? O Manually O Shall we provide a handle? O Yes O With spring motor O With snail-shell roll-in system O Without housing O With h	
POM Do you want lateral guide rails? For apron cover K5-R and K5-F B 32 20 POM POM POM POM POM POM POM PO	lease make a selection) For apror cover K3
Your requirement: piece(s) only once lot six	zes pieces
Company	Name
Postal code/City	Phone/Fax
Street	Email

ProFlex Apron Covers - Variations and Applications



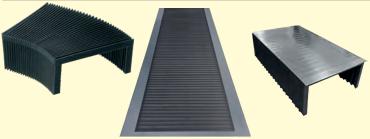
Protection for Man and Machine





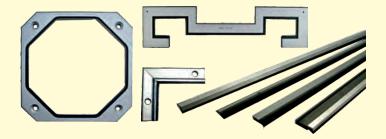
Round and shaped Bellows

- Moulded bellows
- Rubber disk bellows
- Soft PVC-bellows
- Fabric bellows
- Leather bellows
- Loading hoses



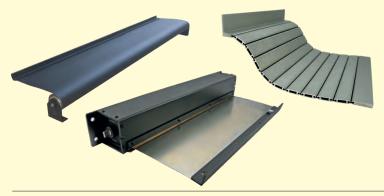
Slideway Bellows

- With and without stainless steel blades
- Box type bellows
- Apron-type covers



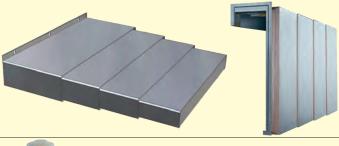
Way Wipers

- Standard lengths
- Moulded wipers
- Custom wipers



Roll-up Covers and Apron Covers

- Roll-up covers with and without housing, with textile or steel band or apron cover
- ProFlex aluminum apron covers in different designs and thicknesses



Telescopic Steel Covers

- From normal or stainless steel
- With or without scissor systems



TelaSpring Teleskopic Spings

- Protection for shafts and spindles
- Made of steel or stainless steel