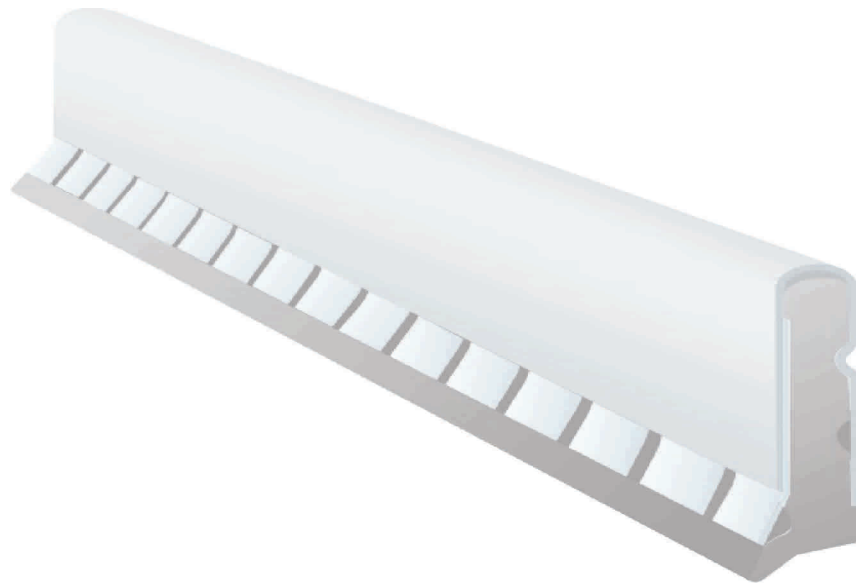




Wipers

1-877-905-SEAL

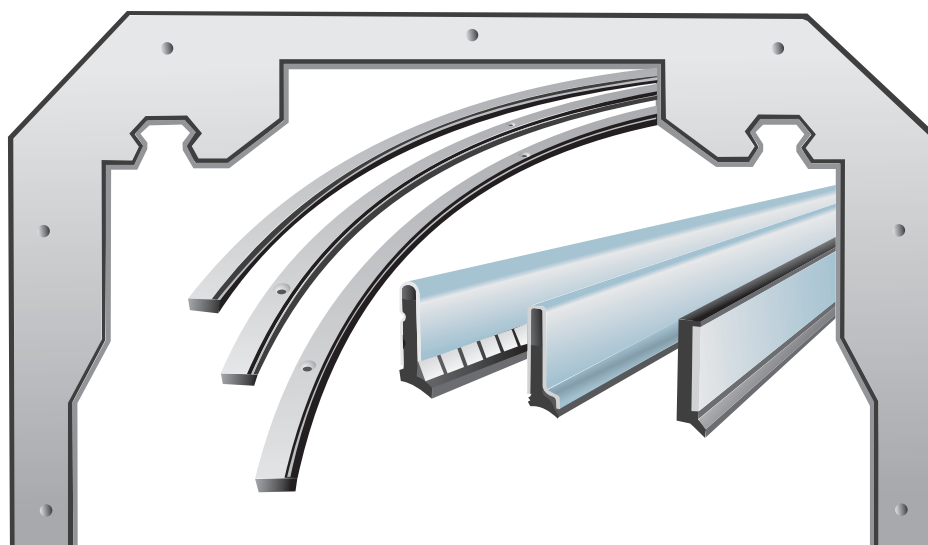


- Way wipers (FB)
- Way Wipers for Telescopic Steel Covers (TA)
- Formed Wipers

SCS team has more than 30 years experience in the field of way wipers, marked by continual innovation and perfection. This applies equally to stock way wipers, wipers for steel telescopic covers and formed way wipers made to customer's specifications.



SCS offers way wipers that are manufactured according to latest machine-building advances. Depending on the material selected, they make allowance for criteria such as dry running, resistance to microorganisms, hydrolysis, mineral oil, coolants, acids, leaches and gasoline as well as operating temperatures up to 200°C.



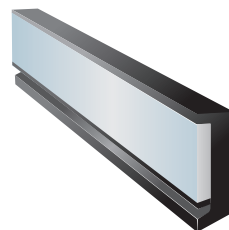
It is our aim to satisfy the requirements of diverse target groups and to find solutions where others have already given up.

Way Wipers (FB)



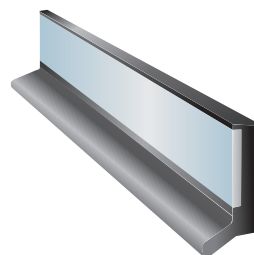
Design

Unless otherwise indicated in the drawing, FB Series way wipers are made of synthetic rubber with molded-in steel insert.

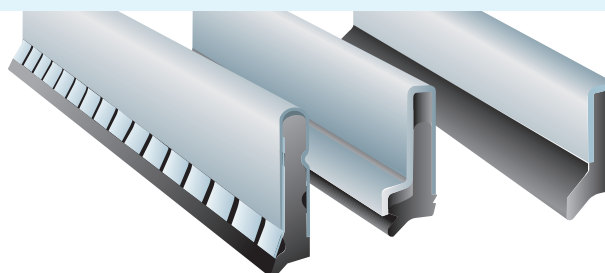


Material properties of wiper lip

- Highly abrasion-resistant
- Temperature-resistant from -40°C to +100°C, short-term up to 140°C
- Very good mechanical characteristics
- Resistant to coolants and mineral oils
- Resistant to microorganisms
- Hydrolitic resistance.



For permanent operating temperatures of up to 200°C or where the wipers are exposed to particularly aggressive coolants or acids, they can also be made from other elastomeres, such as FPM.



Dimensional stability

The wipers are manufactured in special molds, ensuring 100 % repeat-order accuracy.

Protective coating

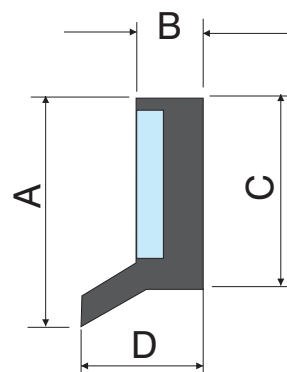
All wipers type FB are provided with a transparent coating as a protection against chips and corrosion, except series "M" (stainless steel).

Delivery

Standard lengths are available from stock.
Processed wipers (cut to length, drilled, milled...) available on short notice.

Preload

All wipers shown in relaxed position.
Recommended preload: see drawings inside.



Way Wipers (FB)

- shown in relaxed position -



	A	B	L = 500 mm
FB-A1	14	6,5	
FB-A3	18	6,5	
FB-A5	25	6,5	
FB-A7	14	5	
FB-A9	18	5	
FB-A11	25	5	

Page 7

	A	D	L = 560 mm + 1000 mm
FB-B1	9,5	5	
FB-B3	15	7	
FB-B5	18	9	
FB-B7	21	7	
FB-B9	25	11	
FB-B11	26	7	
FB-B15	31	7	
FB-B19	39	7	

Page 7

	A	E	L = 800 mm
FB-C1	27	15	
FB-C5	32	15	

Page 8

	A	D	L = 800 mm
FB-C3	25	12	
FB-C7	30	12	

Page 8

FB-D1 L = 850 mm

Page 8

FB-D3 L = 850 mm

Page 8

	A	D	L = 500 mm
FB-G1	25	12	
FB-G3	30	12	

Page 8

	A	D	L = 600 mm
FB-E1	25	2	
FB-E5	34	2	

Page 8

FB-U1 L = 500 mm

Page 9

FB-U3 L = 500 mm flexible

Page 9

FB-U5 L = 500 mm flexible

Page 9

FB-U60 L = 500 mm

Page 9

FB-U90 L = 560 mm

Page 9

FB-M14 L = 530 mm + 1000 mm

Stainless steel

Page 10

FB-M18 L = 530 mm 1000 mm

Stainless steel

Page 10

FB-M25 L = 530 mm 1000 mm

Stainless steel

Page 10

FB-M27 L = 500 mm

Pressure springs

Page 10

FB-H1 L = 500 mm

Page 11

	A	D	L = 500 mm
FB-K1	18	7,5	
FB-K3	25	7,5	

Page 11

FB-N1 L = 500 mm

Page 11

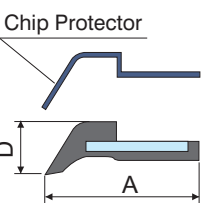
	A	D	L = 560 mm
FB-V1	18	7,5	
FB-V3	18	7,5	

Page 11

Way Wipers (FB)

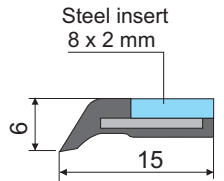
- shown in relaxed position -

	A	D	Length
TA-A1	15	6	500 mm
TA-A3	15	6	1000 mm
TA-A15			1000 mm



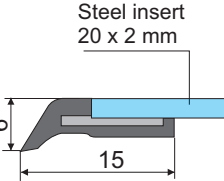
Page 13

TA-A5 L = 500 mm



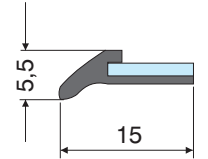
Page 13

TA-A7 L = 500 mm



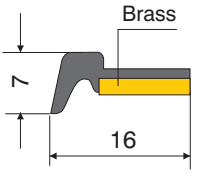
Page 13

TA-A30 L = 600 mm



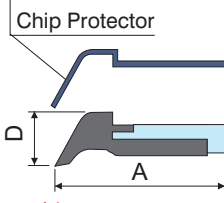
Page 13

TA-A40 L = 560 mm



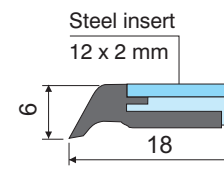
Page 13

	A	D	Length
TA-B1	18	6	500 mm
TA-B3	18	6	1000 mm
TA-B15			1000 mm



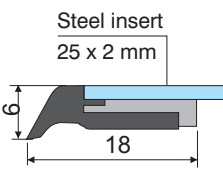
Page 14

TA-B5 L = 500 mm



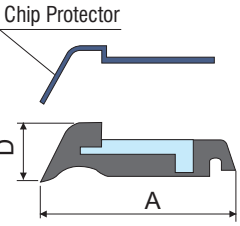
Page 14

TA-B7 L = 500 mm



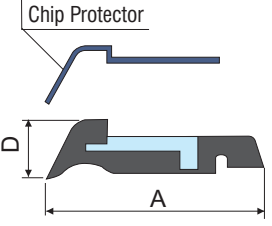
Page 14

	A	D	Length
TA-B9	20	5,5	500 mm
TA-B15			1000 mm



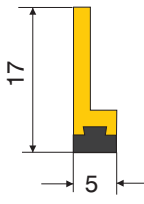
Page 14

	A	D	Length
TA-B11	20	5,5	500 mm
TA-B15			1000 mm



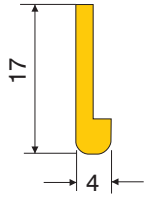
Page 14

TA-G1 L = 500 mm



Page 17

TA-G2 L = 1000 mm



Page 17

TA-C1.5 L = 1000 mm



Lip

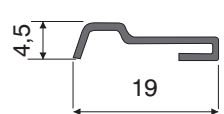


Material

TA-C1.7	PU 83°, white, black, red
TA-C1.9	PU 95°, black

Page 15

TA-C1.20 L = 1000 mm

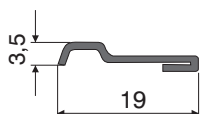


TA-C1.21 L = endless



Page 15

TA-C1.22 L = 1000 mm

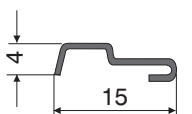


TA-C1.23 L = endless



Page 15

TA-C1.24 L = 1000 mm

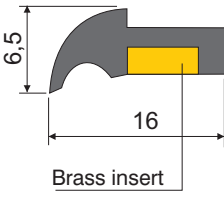


TA-C1.25 L = endless



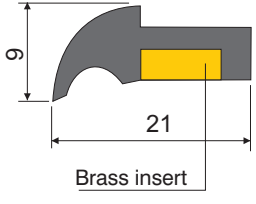
Page 15

TA-M1.0 L = 1000 mm



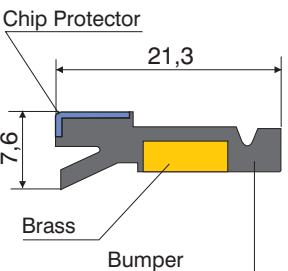
Page 16

TA-M2.0 L = 1000 mm



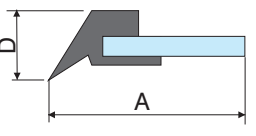
Page 16

TA-M3.0 L = 1000 mm

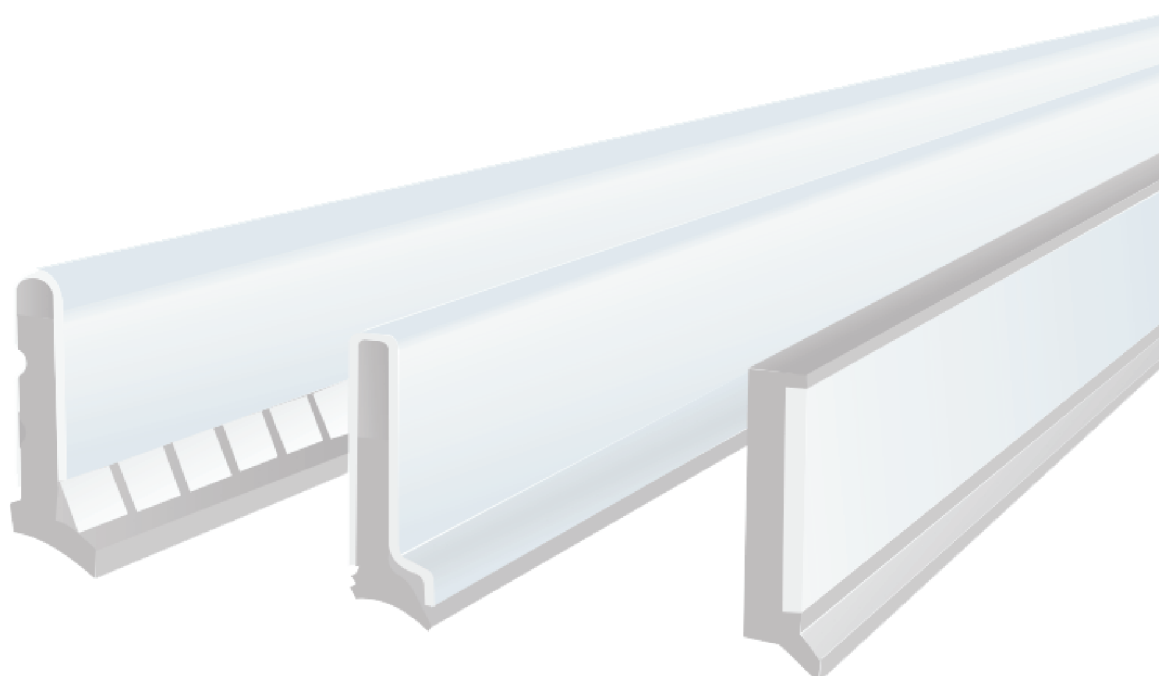


Page 16

	A	D	L = 560 mm
TA-RA1	16	6	
TA-RA2	20	7	
TA-RA3	13	4	



Page 17



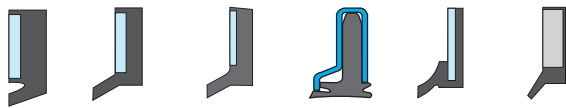
Way Wipers

What wiper for what purpose?



All-purpose wipers

FB-A FB-B FB-U FB-M FB-H FB-K



Wipers in which **stepped holes** can be drilled

FB-K



(Page 11)

Wipers for **milled slideways**

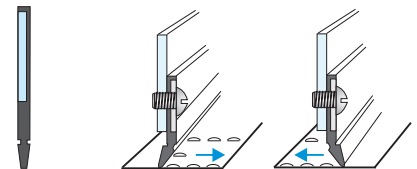
FB-A FB-B



(Page 7)

Wipers for surfaces with **grooves or gaps**

FB-E



(Page 8)

Wipers for **ground slideways**:
slightly preload ($\sim 0.5\text{mm}$)

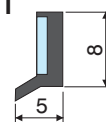
FB-A FB-B



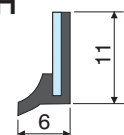
(Page 7)

Wipers for flat slideways with **confined mounting space**

FB-B1



FB-H

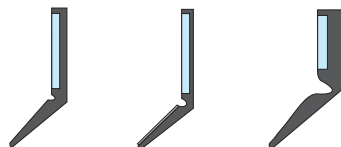


(Page 7)

(Page 11)

Wipers for **uneven surfaces**:
due to the elasticity of the
wiper lip, also uneven
surfaces will be care-
fully cleaned

FB-C FB-D FB-G



(Page 8)

Wipers also for **circular** operation

FB-U3

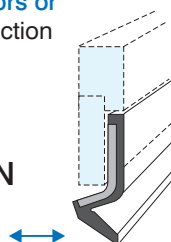
FB-U5



(Page 9)

Wipers for mounting on **machine doors or
metal sheets** where space in the direction
of travel is a criterion

FB-N



(Page 11)

Use on **hydrostatic slideways** or without
central lubrication (wiper retains lubricant
in machine slide, at the same time cleaning
the slideway)

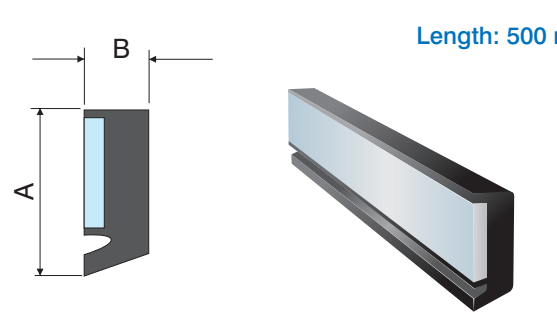
FB-V



(Page 11)

Way Wipers (FB)

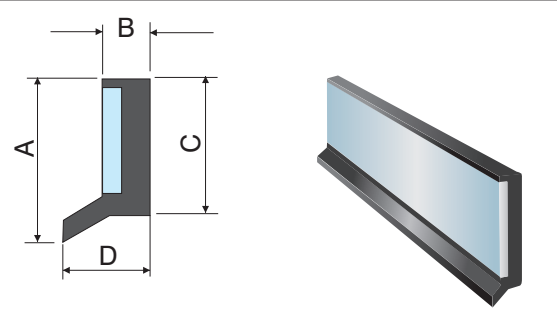
Series A



Art.No.	A	B
FB-A1	14	6,5
FB-A3	18	6,5
FB-A5	25	6,5
FB-A7	14	5
FB-A9	18	5
FB-A11	25	5

Recommended preload: 0,5 - 1 mm

Series B



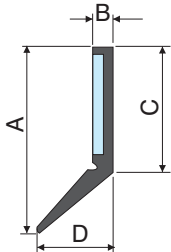
Art.No.	A	B	C	D	Length
FB-B1/560	9,5	2,5	8	5	560
FB-B1/1000	9,5	2,5	8	5	1000
FB-B3/560	15	5	12	7	560
FB-B3/1000	15	5	12	7	1000
FB-B5/560	18	5	15	9	560
FB-B5/1000	18	5	15	9	1000
FB-B7/560	21	5	17,5	7	560
FB-B7/1000	21	5	17,5	7	1000
FB-B9/560	25	6	21	11	560
FB-B9/1000	25	6	21	11	1000
FB-B11/560	26	5	23	7	560
FB-B11/1000	26	5	23	7	1000
FB-B15/560	31	5	28	7	560
FB-B15/1000	31	5	28	7	1000
FB-B19/560	39	5	36	7	560

Recommended preload: 0,5 - 1 mm

Way Wipers (FB)

Series C

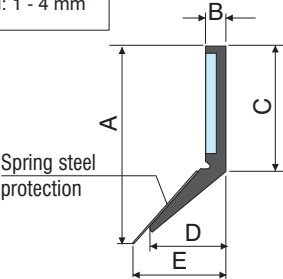
With spring steel protection



Recommended preload: 1 - 4 mm

Length: 800 mm

Art.No.	A	B	C	D
FB-C3	25	3	15,5	12
FB-C7	30	3	20,5	12



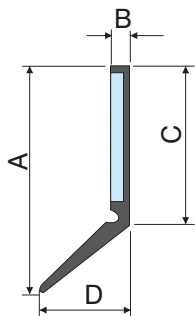
Spring steel protection

Length: 800 mm

Art.No.	A	B	C	D	E
FB-C1	27	3	15,5	12	15
FB-C5	32	3	20,5	12	15

Series D

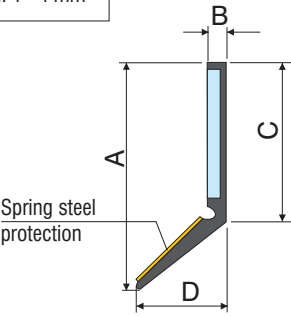
With spring steel protection



Recommended preload: 1 - 4 mm

Length: 850 mm

Art.No.	A	B	C	D
FB-D3	39	3,5	27	15



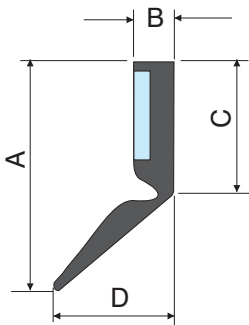
Spring steel protection

Length: 850 mm

Art.No.	A	B	C	D
FB-D1	39	3,5	27	15

Series G

Recommended preload: 3 - 8 mm

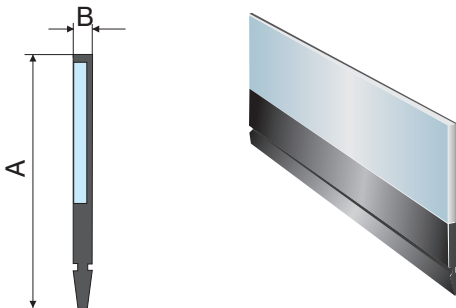


Length: 500 mm

Art.No.	A	B	C	D
FB-G1	30	5	17	15,5
FB-G3	40	5	27	15,5

Series E

Recommended preload: 1 - 3 mm



Length: 600 mm

Art.No.	A	B
FB-E1	25	2
FB-E5	34	2

Way Wipers (FB)

Series U

Length: 500 mm

Recommended preload series U: 1 - 2 mm

Art.No.	A	B	C	D
FB-U1	25,4	6,35	22	12,7

Length: 500 mm

! Flexible, ideal for circular applications

Art.No.	A	B	C	D
FB-U3	25,4	6,35	22	12,7

Spring steel protection

Length: 500 mm

! Flexible, ideal for circular applications

Art.No.	A	B	C	D
FB-U5	25,4	6,35	22	12,7

Length: 500 mm

Späneschutz
Chip protector

Art.No.	A	B	C	D
FB-U60	25	6	21	11

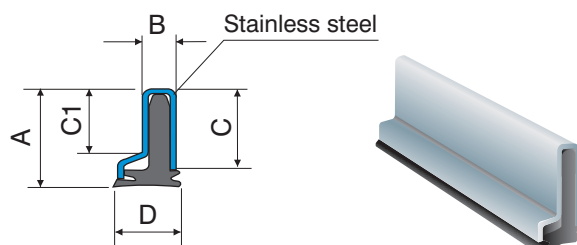
Length: 560 mm

Art.No.	A	B	C	D
FB-U90	25	6	21	11

Way Wipers (FB)

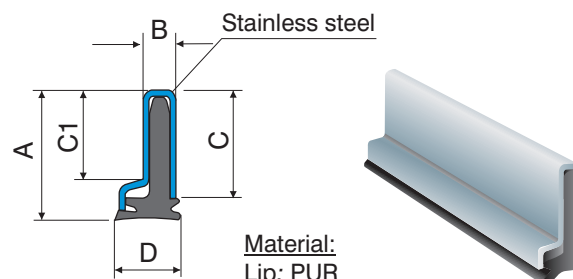
Serie(s) M

Recommended preload series M: 0,5 - 1 mm



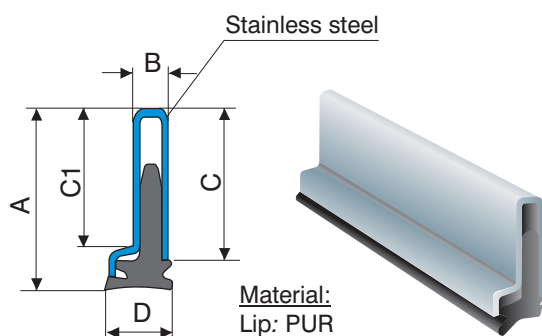
Material:
Lip: PUR

Art.No.	A	B	C	C1	D	Length
FB-M14/530	14	4,6	10,2	7,7	8,6	530
FB-M14/1000	14	4,6	10,2	7,7	8,6	1000



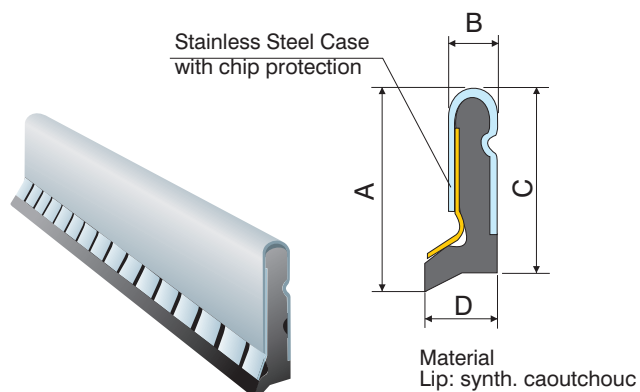
Material:
Lip: PUR

Art.No.	A	B	C	C1	D	Length
FB-M18/530	18	4,6	14,2	11,7	8,6	530
FB-M18/1000	18	4,6	14,2	11,7	8,6	1000
FB-M18/25 Lippe/Lip	Spare lip					2000



Material:
Lip: PUR

Art.No.	A	B	C	C1	D	Length
FB-M25/530	25	4,6	21,2	18,7	8,6	530
FB-M25/1000	25	4,6	21,2	18,7	8,6	1000
FB-M18/25 Lippe/Lip	Spare lip					2000



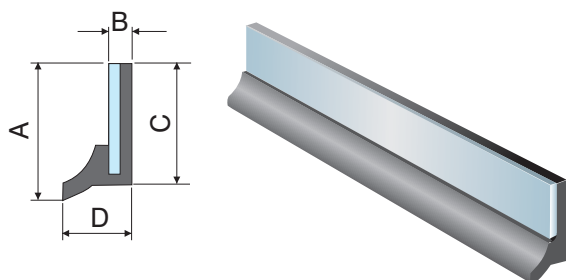
Material
Lip: synth. caoutchouc

Art.No.	A	B	C	D	Length
FB-M27	27	6	24,6	9,5	500

Way Wipers (FB)

Series H

Recommended preload: 0,5 - 1 mm

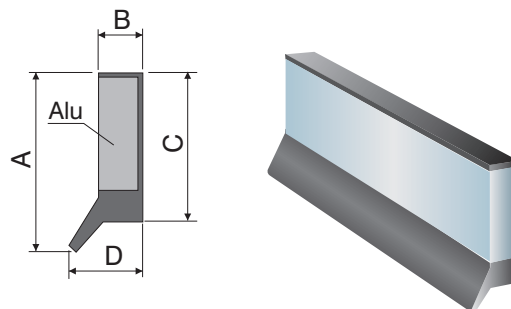


Length: 500 mm

Art.No.	A	B	C	D
FB-H1	12,5	2	11	6

Series K

Recommended preload: 1 - 2 mm

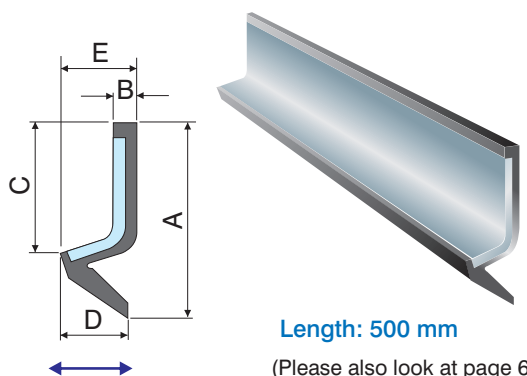


Length: 500 mm

Art.No.	A	B	C	D
FB-K1	18	4,5	15	7,5
FB-K3	25	4,5	22	7,5

Series N

Recommended preload: 1 - 3 mm

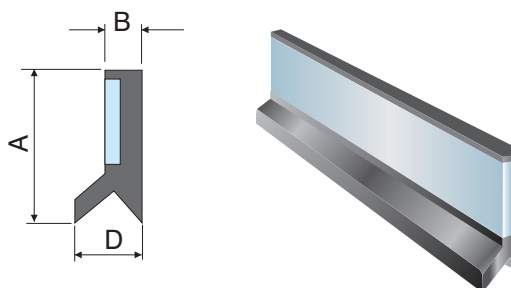


Length: 500 mm
(Please also look at page 6)

Art.No.	A	B	C	D	E
FB-N1	26	3	17,5	8,8	9,85

Series V

Recommended preload: 1,5 - 2 mm

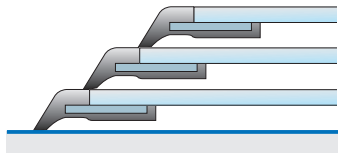


Length: 560 mm

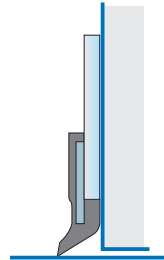
Art.No.	A	B	D
FB-V1	20	6	11
FB-V3	25	6	11

Wipers (TA)

for Telescopic Steel Covers
or limited space applications



The TA-Series wipers have been specially developed for telescopic steel covers. They keep cover boxes clean and prevent dirt and chips from entering. The wipers are spot-welded, riveted or screwed to the cover boxes. In confined spaces, some may also be used (vertically) as way wipers.

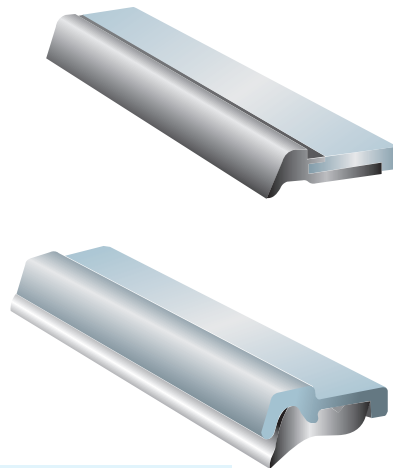


Design

Unless otherwise indicated in the drawing, TA Series wipers are made of synthetic rubber with molded-in steel insert.

Material properties of wiper lip

- Highly abrasion-resistant
- Temperature-resistant from -40°C to $+100^{\circ}\text{C}$, short-term up to 140°C
- Very good mechanical characteristics
- Resistant to coolants and mineral oils
- Resistant to microorganisms
- Hydrolytic resistance.



For permanent operating temperatures of up to 200°C or where the wipers are exposed to particularly aggressive coolants or acids, they can also be made from other elastomers, such as FPM.

Dimensional stability

The wipers are manufactured in special molds, ensuring 100% repeat-order accuracy.

Corrosion protection

All wipers type TA are provided with a protective corrosion oil.

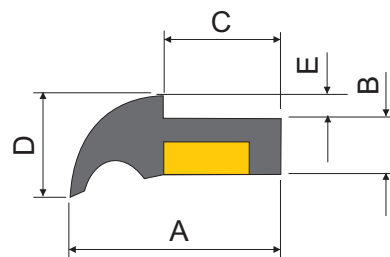
Delivery

Standard lengths are available from stock.
Processed wipers (cut to length, drilled, milled...) available on short notice.

Preload

All wipers shown in relaxed position.

Recommended preload: see drawings inside.



Wipers (TA)

for Telescopic Steel Covers
or limited space applications

Series A

CrNi Chip Protector

Grooves for spot welding

Recommended preload series A: 1 mm

Technical drawing showing the cross-section of the CrNi Chip Protector. Dimensions are labeled: A (total width), B (height of the base), C (width of the top flange), D (height of the base), and E (height of the top flange).

3D perspective view of the CrNi Chip Protector, highlighting the grooves for spot welding.

Art.No.	A	B	C	D	E	Length
TA-A1	15	2	8	6	2	500
TA-A3	15	2	8	6	2	1000
TA-A15	CrNi Chip Protector					1000

Technical drawing showing the cross-section of the Steel insert (8 x 2 mm). Dimensions are labeled: A (total width), B (height of the base), C (width of the top flange), D (height of the base), and E (height of the top flange).

3D perspective view of the Steel insert (8 x 2 mm).

Art.No.	A	B	C	D	E	Length
TA-A5	15	2	8	6	2	500

Technical drawing showing the cross-section of the Steel insert (20 x 2 mm). Dimensions are labeled: A (total width), B (height of the base), C (width of the top flange), D (height of the base), and E (height of the top flange).

3D perspective view of the Steel insert (20 x 2 mm).

Art.No.	A	B	C	D	E	Length
TA-A7	15	2	8	6	2	500

Technical drawing showing the cross-section of the TA-A30 chip protector. Dimensions are labeled: A (total width), B (height of the base), C (width of the top flange), D (height of the base), and E (height of the top flange).

3D perspective view of the TA-A30 chip protector.

Art.No.	A	B	C	D	E	Length
TA-A30	15	2,25	8	5,5	1,5	600

Technical drawing showing the cross-section of the TA-A40 chip protector. Dimensions are labeled: A (total width), B (height of the base), C (width of the top flange), C1 (width of the brass insert), D (height of the base), and E (height of the top flange). The brass insert is highlighted in yellow.

3D perspective view of the TA-A40 chip protector, showing the brass insert.

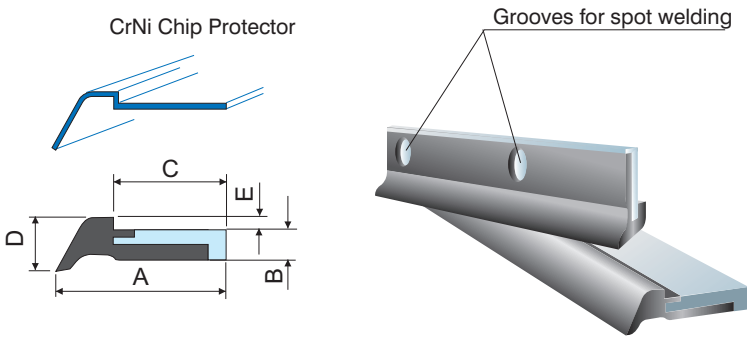
Art.No.	A	B	C	C1	D	E	Length
TA-A40	16	3	10	10,5	7	2	560

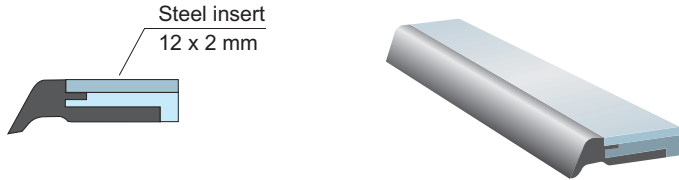
Wipers (TA)

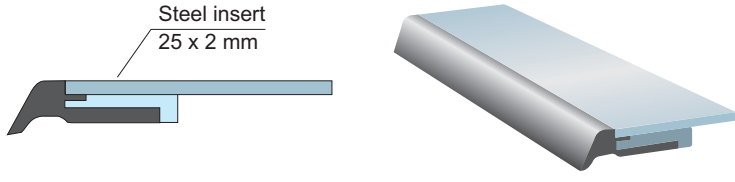
for Telescopic Steel Covers
or limited space applications



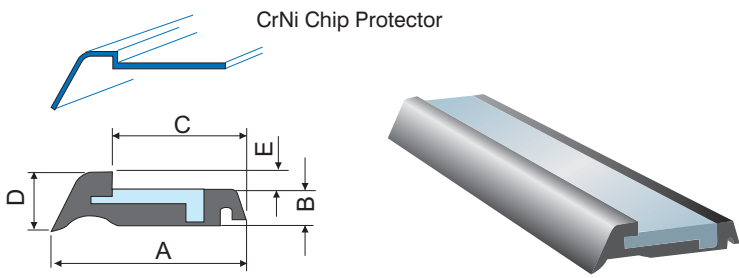
Series B

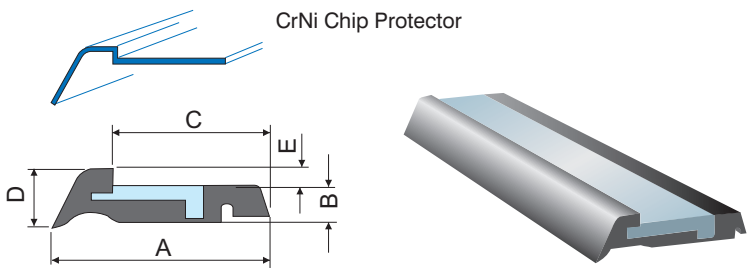
		Recommended preload series B: 1 mm				
Art.No.	A	B	C	D	E	Length
TA-B1	18	2,3	12	6	1,5	500
TA-B3	18	2,3	12	6	1,5	1000
TA-B15	Späneschutz aus CrNi CrNi Chip Protector					1000

						
Art.No.	A	B	C	D	E	Length
TA-B5	18	2,3	12	6	1,5	500

						
Art.No.	A	B	C	D	E	Length
TA-B7	18	2,3	12	6	1,5	500

Series B with bumper

						
Art.No.	A	B	C	D	E	Length
TA-B9	20	3,3	14	5,5	1,5	500
TA-B15	CrNi Chip Protector					1000

						
Art.No.	A	B	C	D	E	Length
TA-B11	22	3,3	16	5,5	1,5	500
TA-B15	CrNi Chip Protector					1000

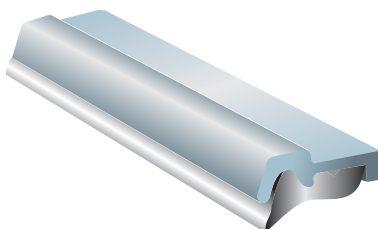
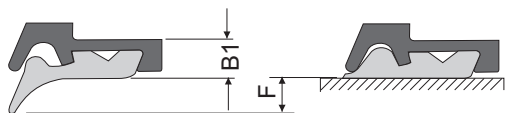
Wipers (TA)

for Telescopic Steel Covers
or limited space applications



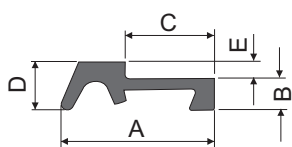
Series C

Mounting example



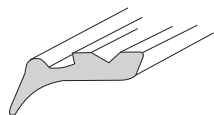
Recommende preload series C: 2,5 mm

Casing



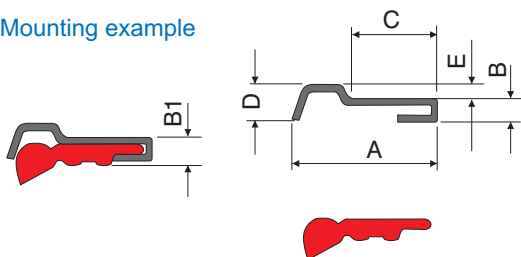
Art.No.	A	B	B1	C	D	E	F	Length	Material Casing
TA-C1.5	14	3,5	4	8	4,5	1,5	2,5	1000	Steel
TA-C1.6	14	3,5	4	8	4,5	1,5	2,5	3000	Steel

Lip



Art.No.		Length	Material Lip
TA-C1.7W	milky white	endless	PU 83° Shore
TA-C1.7S	black		PU 83° Shore
TA-C1.7R	red		PU 83° Shore
TA-C1.9	black		PU 95° Shore

Mounting example



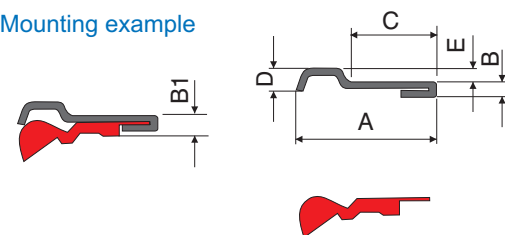
Casing

Art.No.	A	B	B1	C	D	E	Length	Material Casing
TA-C1.20	19	3	~4	12	4,5	2,3	1000	Steel

Lip

Art.No.	Length	Material Lip
TA-C1.21	endless	PUR

Mounting example



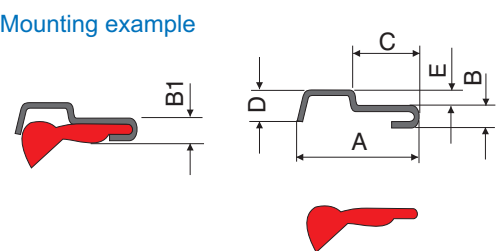
Casing

Art.No.	A	B	B1	C	D	E	Length	Material Casing
TA-C1.22	19	3,3	3,8	12	3,5	2	1000	Steel

Lip

Art.No.	Length	Material Lip
TA-C1.23	endless	PUR

Mounting example



Mantel/Casing

Art.No.	A	B	B1	C	D	E	Length	Material Casing
TA-C1.24	15	2,8	3,3	8	4	2	1000	Steel

Lippe/Lip

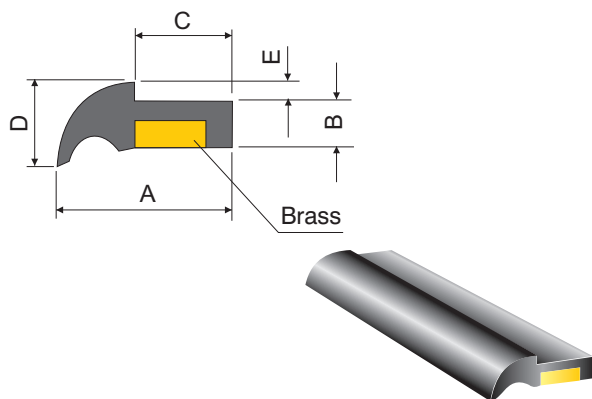
Art.No.	Length	Material Lip
TA-C1.25	endless	PUR

Wipers (TA)

for Telescopic Steel Covers
or limited space applications

Series M

Recommended preload for M1 und M 2: 1 mm



Wiper complete

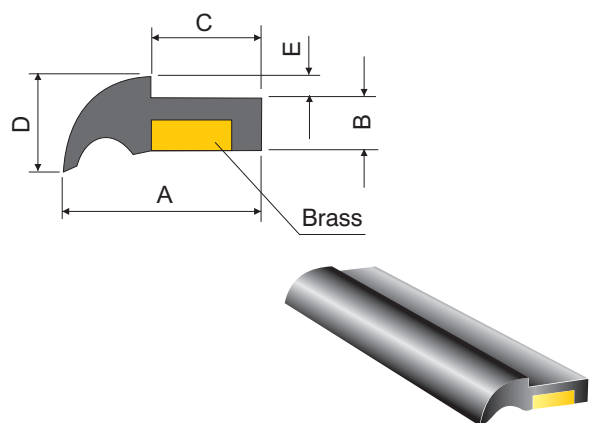
Art.No.	A	B	C	D	E	Length	Material Insert
TA-M1.0	16	4	10	6,5	1	1000	Brass 8x2

Brass insert

Art.No.	Length	Material
TA-M1.2	for Way wiper TA-M1.0	1000
		Brass 8x2

Lip

Art.No.	Length
TA-M1.3	endless
TA-M1.4	1000



Wiper complete

Art.No.	A	B	C	D	E	Length	Material Insert
TA-M2.0	21	5	12	9	2	1000	Brass 8x3

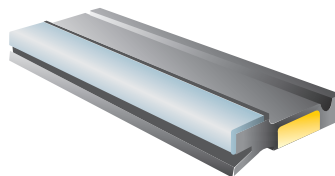
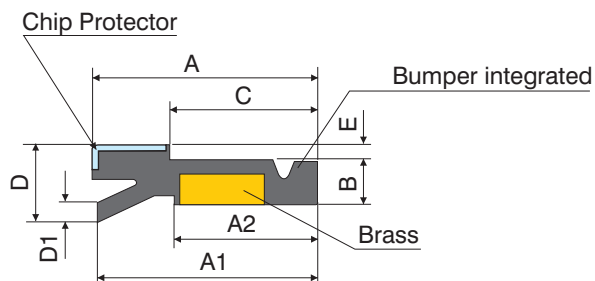
Brass insert

Art.No.	Length	Material
TA-M2.2	for Way wiper TA-M2.0	1000
		Brass 8x3

Lip

Art.No.	Length
TA-M2.3	endless
TA-M2.4	1000

Recommended preload: 1,5 mm

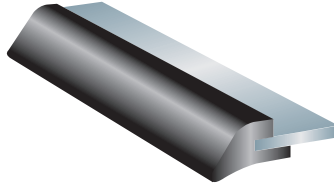
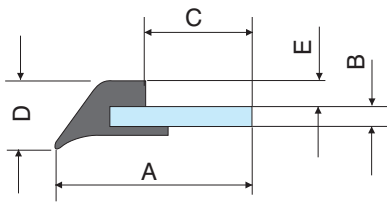


Art.No.	A	A1	A2	B	C	D	D1	E	Length	Material Insert
TA-M3.0	21,3	20,8	13,5	4,4	14	7,6	1,9	1,5	1000	Brass

Wipers (TA)

for Telescopic Steel Covers
or limited space applications

Serie(s) R



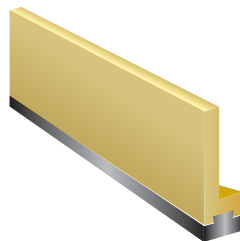
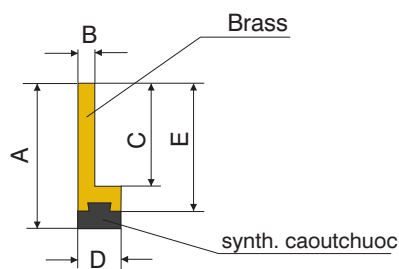
Length: 560 mm

Recommended preload: 0,5 - 1 mm

Art.No.	A	B	C	D	E
TA-RA1	16	2	9	6	1,5
TA-RA2	20	2	11	7	2,5
TA-RA3	13	1,5	7	4	1,3

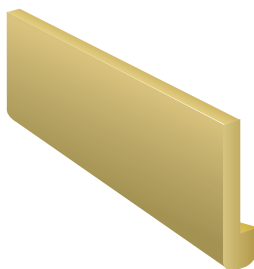
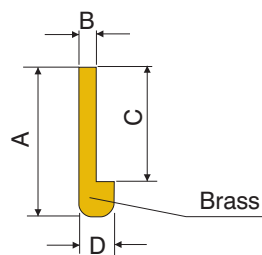
Sliding Shoes

for Telescopic Steel Covers



Length: 500 mm

Art.No.	A	B	C	D	E
TA-G1	17	2	12	5	15



Length: 1000 mm

Art.No.	A	B	C	D
TA-G2	17	2	13	4

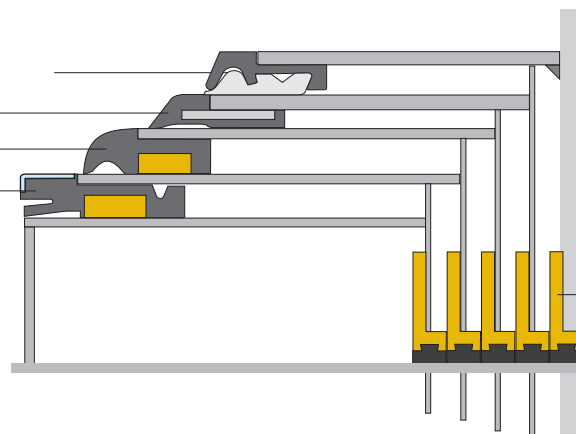
TA-C1.5/1.6 +1.7 (Page 15)

TA-A1 (Page 13)

TA-M1.0 (Page 16)

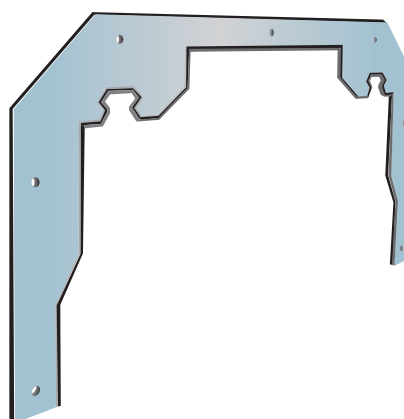
TA-M3 (Page 16)

Application examples



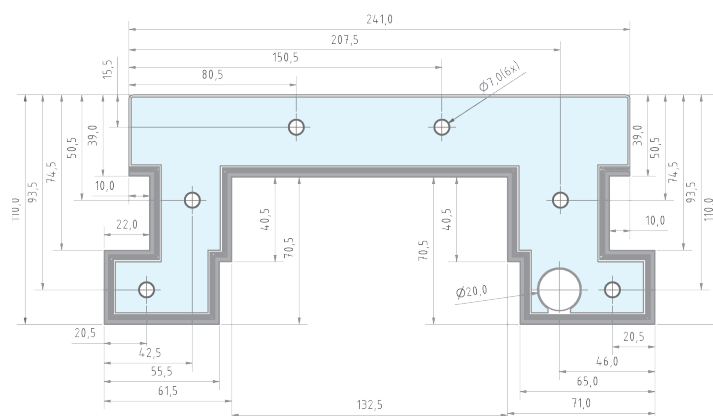
TA-G1 (Page 17)

Custom made wipers

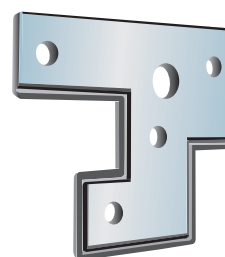


SCS can offer wipers with any configuration that is technically possible.

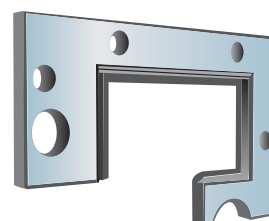
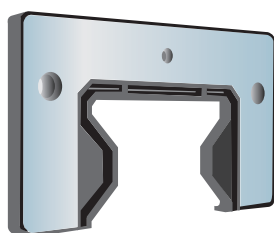
The precision of the mold is a criterion of the wiper's accuracy and guarantees optimum wiping results. And since SCS offers wipers that are manufactured in molds, 100 % accuracy is guaranteed for repeat orders.



For your safety, we shall send you drawings for approval before production starts. We will gladly accept your CAD drawings which we will then adapt accordingly and return to you for your approval.



All formed wipers are provided with a transparent coating as a protection against chips and corrosion. The coating is optionally available in black.



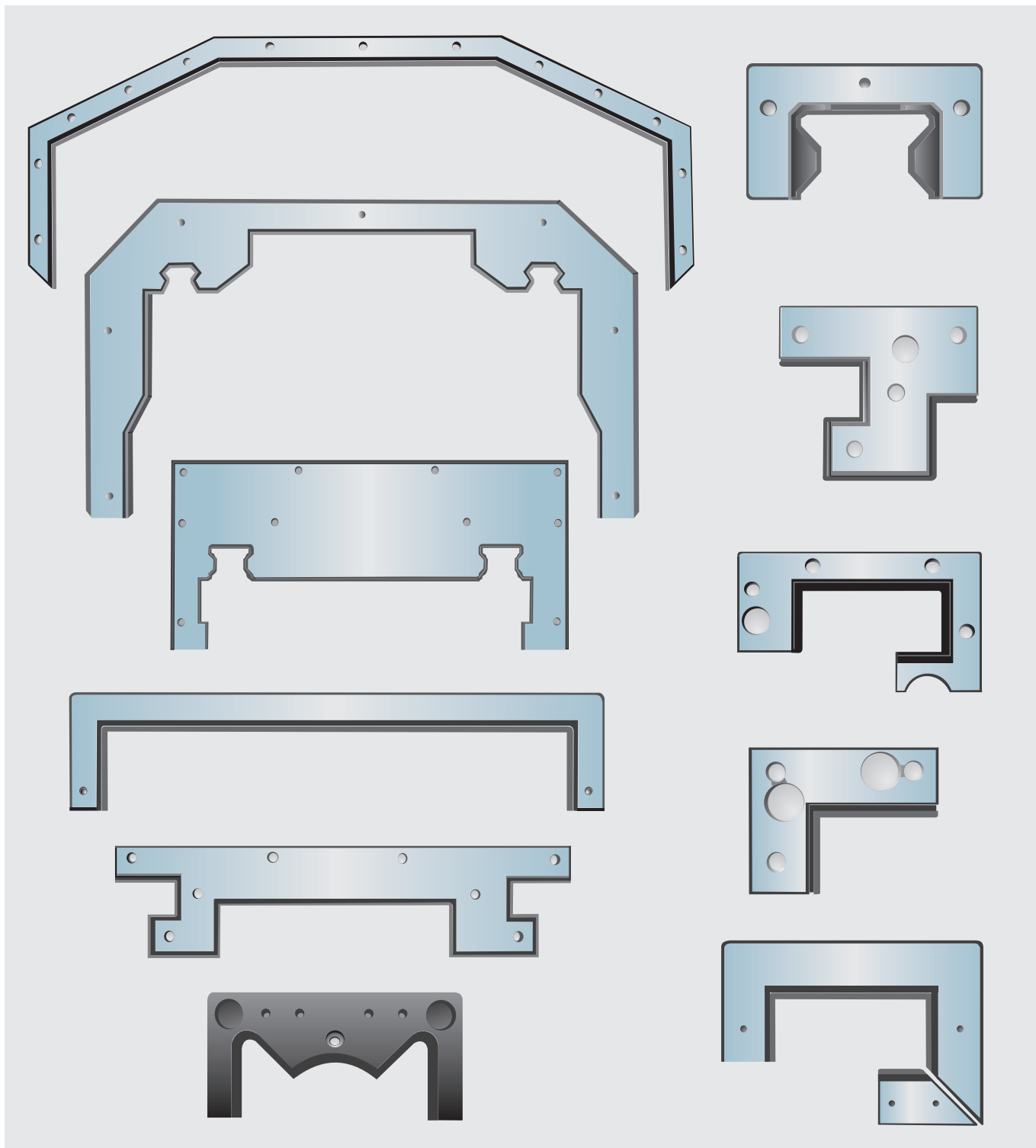
Your formed wipers can be lettered to your specifications.

Formed Wipers

Custom made wipers



Examples



Inquiries/Orders

For calculation of the requested formed wiper we need a rough drawing and the quantity. In case of order we gladly accept your CAD drawing which we will adapt accordingly and return to you for approval.