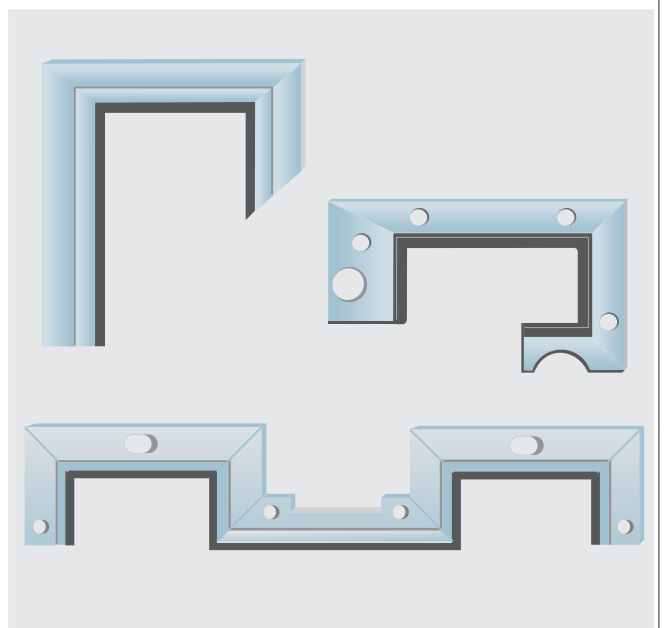
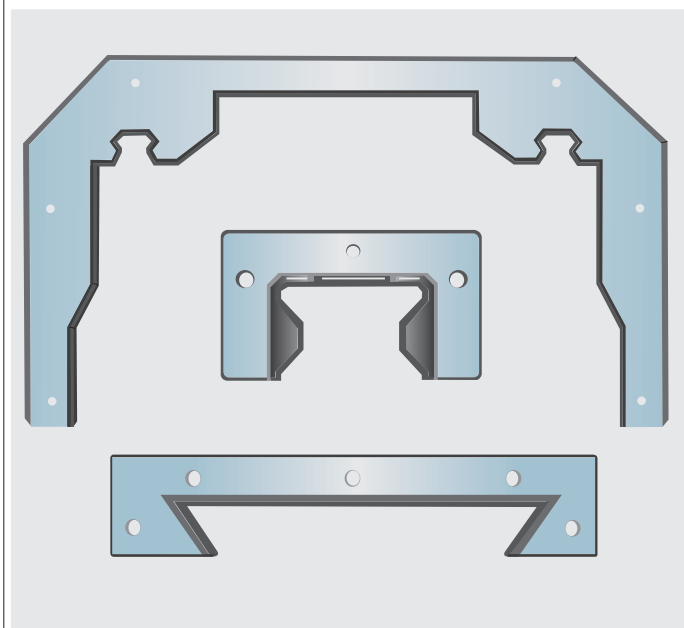
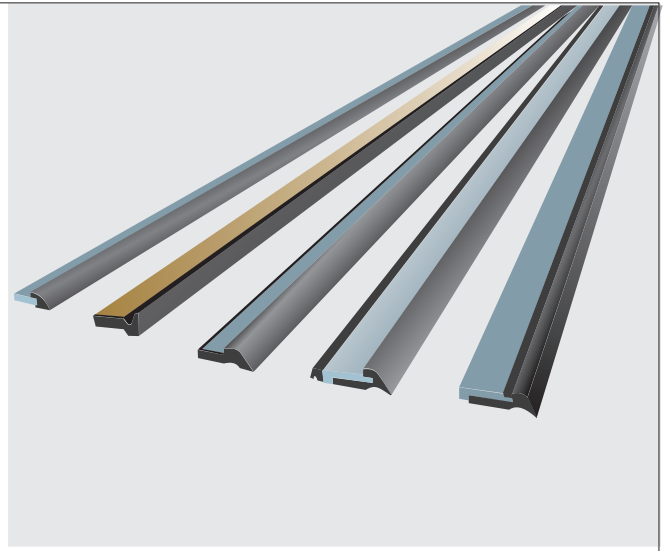
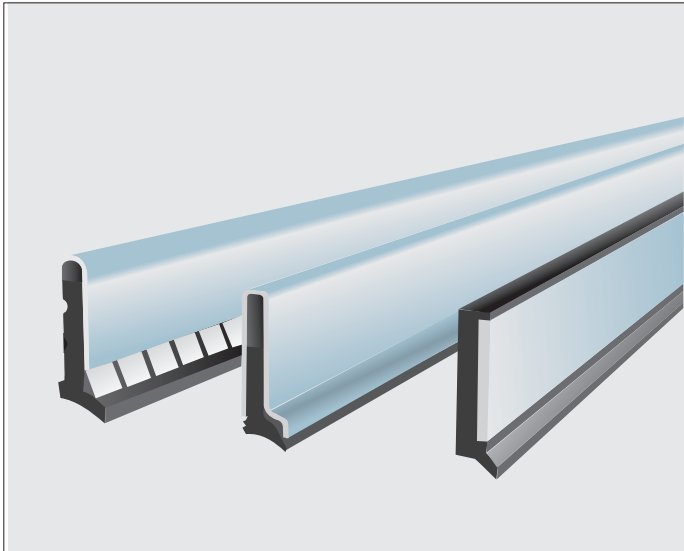
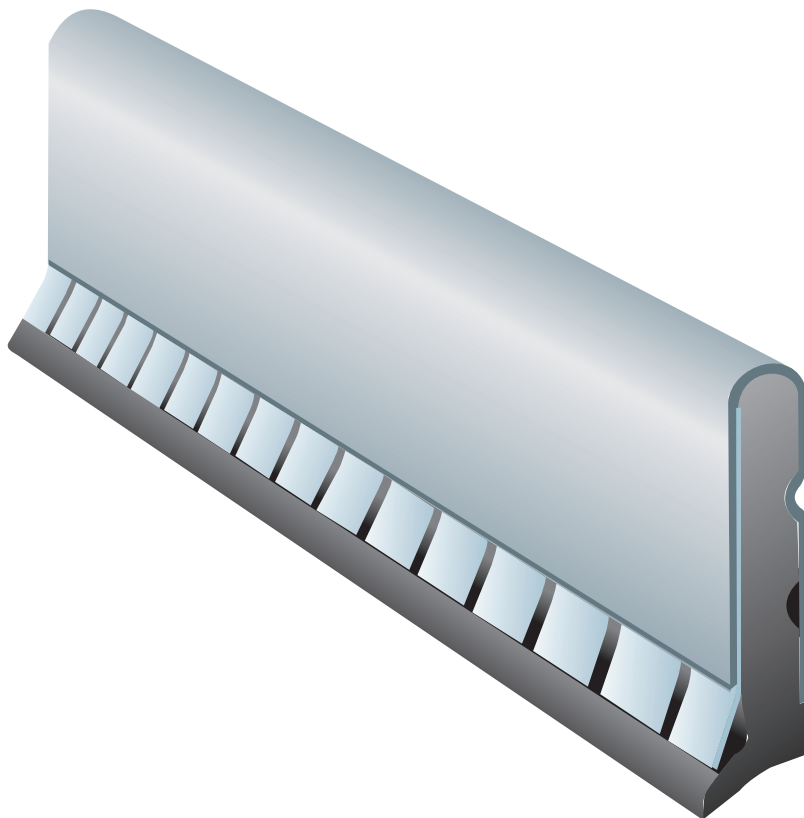
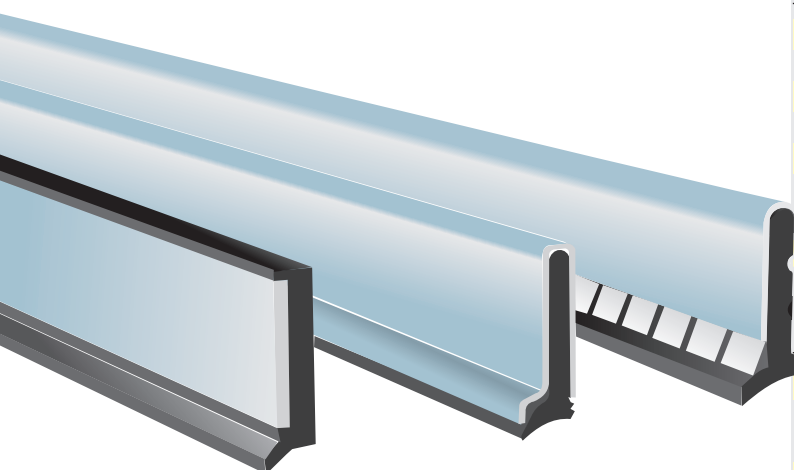


## Wipers



# Wipers





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## General Information on Wipers

Since there are so many different types of wiper, we would like to point out the difference between them so that you will find it easier to select the right product for your purposes.

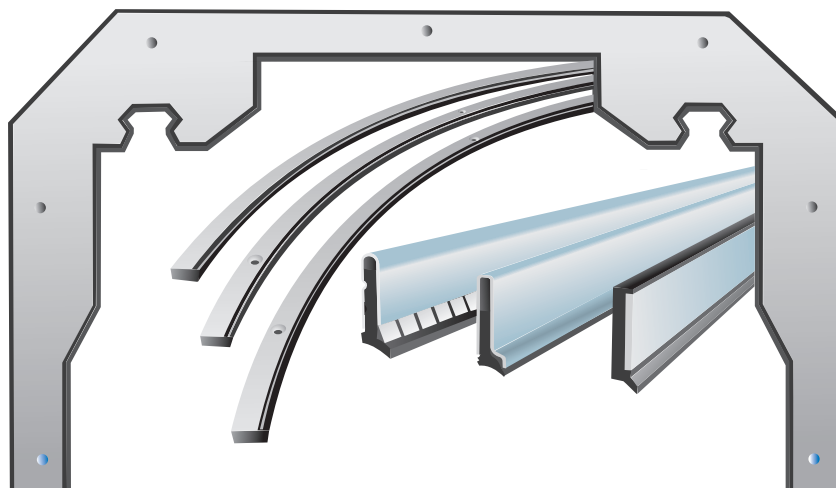
We distinguish between:

- Wipers primarily used on the guideways of machines, simply called way wipers or **FP** Wipers for short.
- Wipers used on telescopic steel covers, called **TA** Wipers.
- Moulded wipers, deriving their name from the name the way they are made - in **moulds**. They can be made to any geometrically possible shape.
- Customised wipers that are made to length, welded, pegged or drilled to customers' specifications,



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

CQM way wipers 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.



# FB Way Wipers

## What wiper for what purpose?

### All-purpose wipers

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



### Wipers in which stepped holes can be drilled

FB-AW



page 7

FB-K

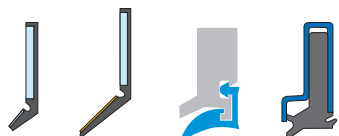


page 13

### Hot-chip environments

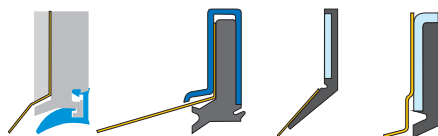
with Chip Guard

FB-CS1 FB-D FB-AW FB-M



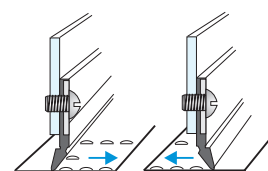
with Pregurad

FB-AW/VA FB-M/VA FB-C FB-SHS



### Wipers for surfaces with grooves or gaps

FB-E

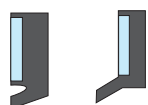


page 13

### Wipers for milled slideways

Wipers for ground slideways:  
Preload only slightly (~0.5mm)

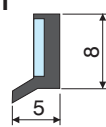
FB-A FB-B



page 7

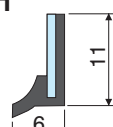
### Wipers for flat slideways in confined space

FB-B1



page 7

FB-H



page 13

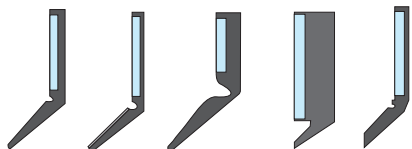
FB-S



page 10

Wipers for uneven surfaces:  
Extra-long wiper lips ensure careful  
cleaning even of irregular surfaces

FB-C FB-D FB-G FB-L FB-P



page 8

9

9

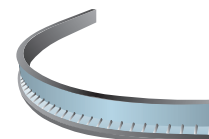
13

14

### Wipers also suitable for circular operation

FB-U3

FB-U5

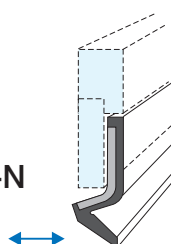


page 11

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

FB-N

page 13



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

FB-V

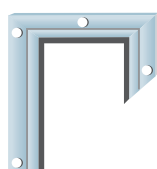
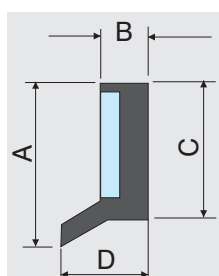
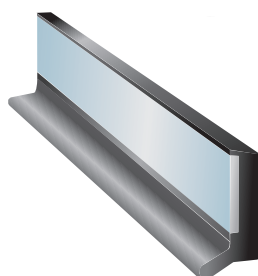
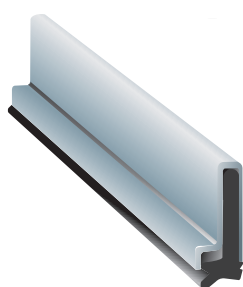
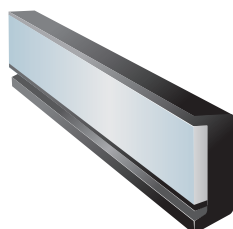
FB-AW4



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## FB Way Wipers



### Design

Unless otherwise indicated in the drawing, FB Series way wipers are made of synthetic rubber with moulded-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 moulds, 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) and "AW" (Aluminium Wipers).

### Delivery

Standard lengths are available from stock. Moulded wipers and customised wipers are available on short notice.

### Preload

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

# FB Way Wipers

## A Series

Recommended preload: 0.5 - 1 mm

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

Length: 500 mm

## B Series

Recommended preload: 0.5 - 1 mm

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

## AW Series

Ideal for stepped holes Recommended preload: 2 mm

Art.No.	A	B	C	D	Length
FB-AW1	18	7	14,0	10	1000
FB-AW1/2000	18	7	14,0	10	2000
FB-AW2	25	7	21,4	10	1000
FB-AW2/2000	25	7	21,4	10	2000
FB-AW3	Spare lip				endless



Wiper lips can be replaced when worn out.  
They are available as continuous strips!

With stainless-steel preguard (0.25 mm thick) .  
Recommended only for hardened guideways.  
(Al mounting strip and preguard supplied separately).  
Recommended preload: 1 mm

Art.No.	A	B	C	D	E	F	Length
FB-AW1/VA	18	7	14,0	10	14,05	3	1000
FB-AW2/VA	25	7	21,4	10	15,8	3	1000
FB-AW3	Spare lip						endless

# FB Way Wipers

## AW Series

Recommended preload: 0,4 mm

Wiper mounting by 90 degree corner joint (example)

Art.No.	A	C	D	E	F
FB-AW4	18,2	17,5	6	3	9

Length: 1000 mm

## C Series: Long Lip Wipers

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

Length: 800 mm

Art.No.	A	B	C	D	E
FB-C1	29	3	15,5	12	15
FB-C5	34	3	20,5	12	15

Length: 800 mm

With stainless-steel preguard (0.25 mm thick) .  
Recommended only for hardened guideways.

Recommended preload: 1 - 4 mm

## CS Series: Short Lip Wipers

Art.No.	A	B	C	D
FB-CS3	27	3	22,7	7,3

Length: 800 mm

Art.No.	A	B	C	D
FB-CS1	27	3	22,7	7,3

Length: 800 mm

Recommended preload: 3.5 mm



# FB Way Wipers

## D Series

with Chip Guard

Recommended preload: 1 - 4 mm

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

Length: 850 mm

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

Length: 850 mm

## Serie G

## G Series

Recommended preload: 3 - 8 mm

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

Length: 500 mm

# “S” Series FB Way Wipers

with Preguard

Brass

Brass preguard  
(supplied separately)

Art.No.	A	B	D
FB-SHS1	25	6,5	12
FB-SHS18	18	6,5	12

Length: 300 mm

Recommended preload: 1 mm

Length: 300 mm

Art.No.	A	B	C	C1	D
FB-SS18	18	2,6	11,5	6,5	6

Length: 300 mm

Art.No.	A	B	C	C1	D
FB-SS25	25	2,6	18,5	6,5	6

Length: 300 mm

Art.No.	A	B	C	C1	D
FB-SS30	30	2,6	23,5	6,5	6

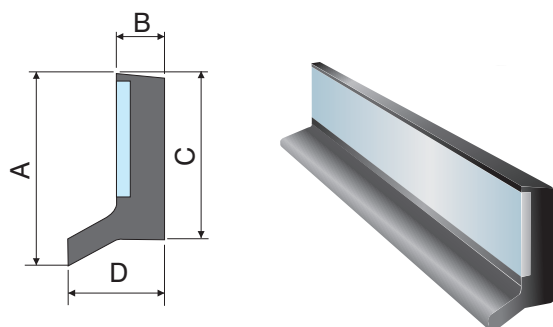
Length: 300 mm

Art.No.	A	B	C	C1	D
FB-SS40	40	2,6	33,5	6,5	6

# FB Way Wipers

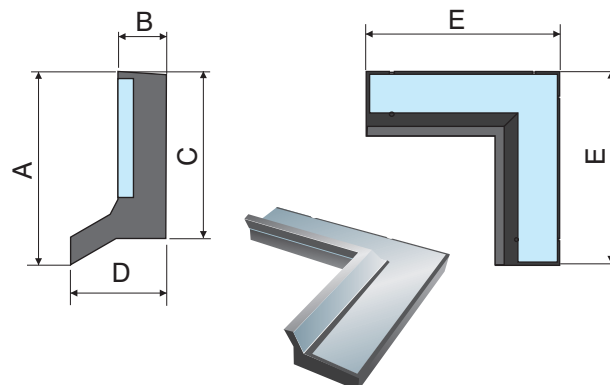
## U Series

Preload recommended for U Series: 1 - 2 mm

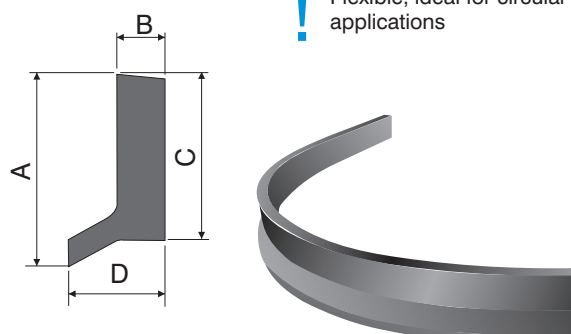


Length: 560 mm

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



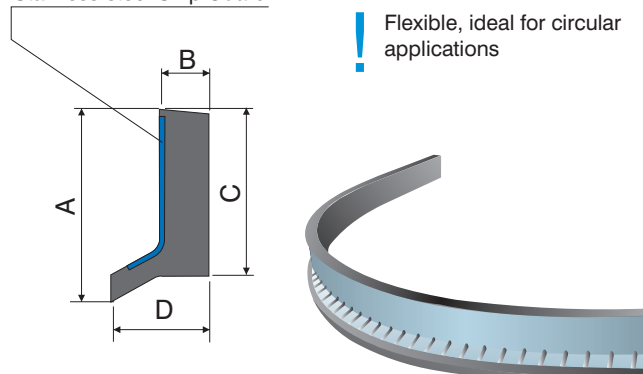
Art.No.	A	B	C	D	E
FB-U1 Corner	25,4	6,35	22	12,7	76



Length: 560 mm

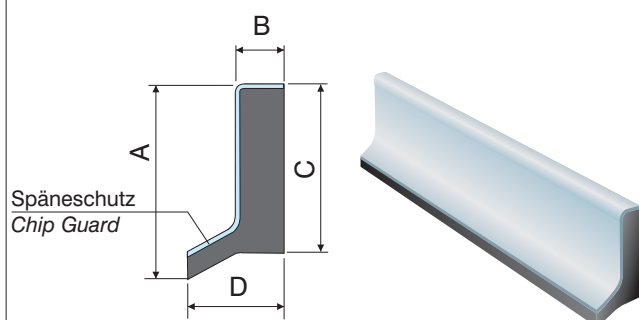
Art.No.	A	B	C	D
FB-U3	25,4	6,35	22	12,7

Stainless-steel Chip Guard



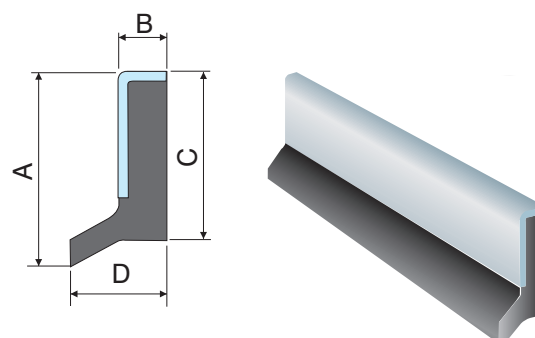
Length: 560 mm

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



Length: 560 mm

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



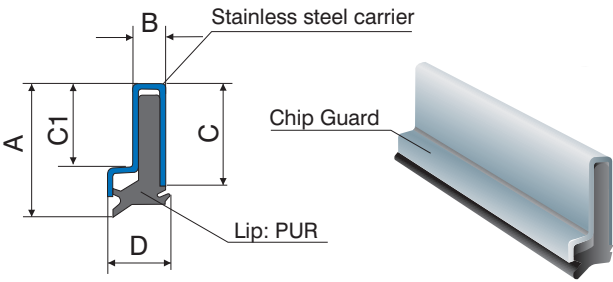
Length: 560 mm

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

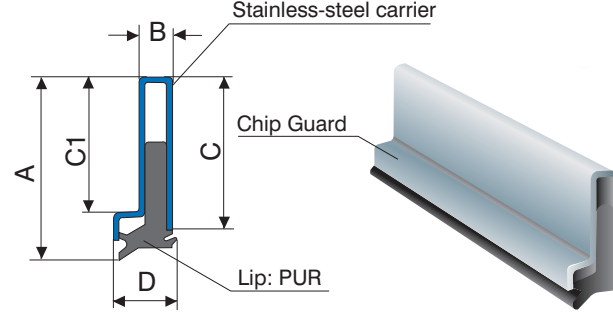
# FB Way Wipers

## M Series

Preload recommended for M series: 0.5 - 1 mm



Art.No.	A	B	C	C1	D	Length
FB-M18/500	18	4,6	14,2	11,7	8,6	500
FB-M18/1000	18	4,6	14,2	11,7	8,6	1000
FB-M18/25 Lip	Spare lip			endless		

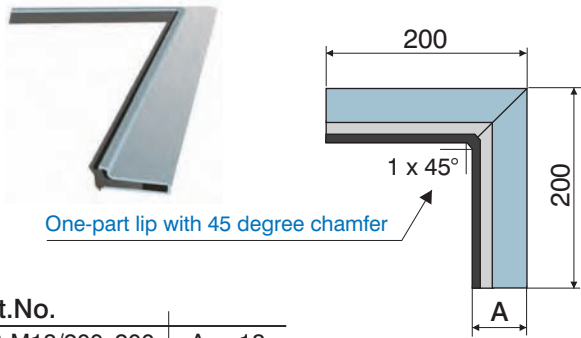


Art.No.	A	B	C	C1	D	Length
FB-M25/500	25	4,6	21,2	18,7	8,6	500
FB-M25/1000	25	4,6	21,2	18,7	8,6	1000
FB-M18/25 Lip	Spare lip			endless		

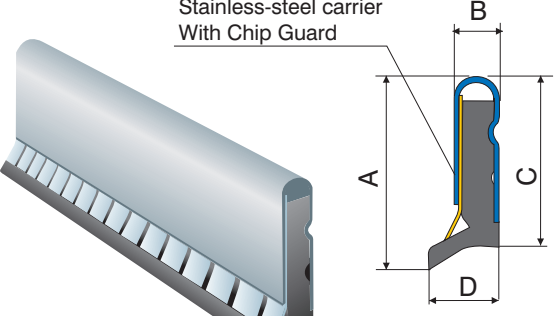


Wiper lips can be replaced when worn out.  
They are available as continuous strips!

## 90 degree angle wipers



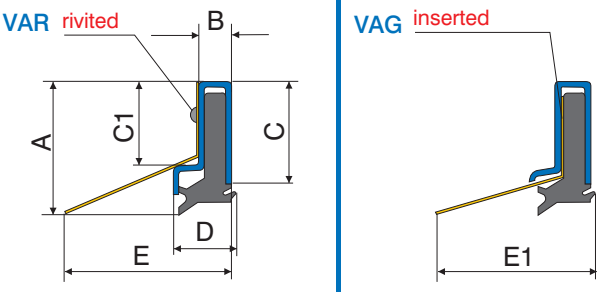
Art.No.	A
FB-M18/200x200	A = 18
FB-M25/200x200	A = 25



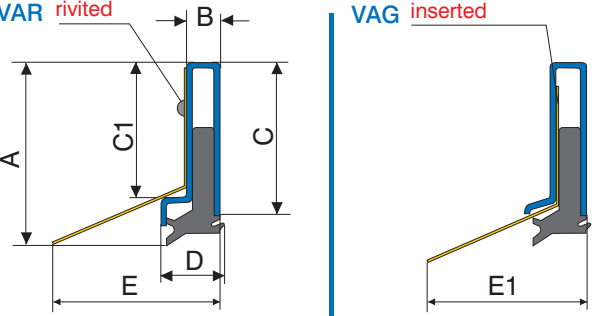
Art.No.	A	B	C	D	Length
FB-M27	27	6	24,6	10	500

With stainless-steel preguard (0.25 mm thick). Recommended only for hardened guideways.

Preload recommended for M series with preguard: 1 mm



Art.No.	A	B	C	C1	D	E	E1	Length
FB-M18VAR/500	18	4,6	14,2	11,7	8,6	22	---	500
FB-M18VAG/500	18	4,6	14,2	11,7	8,6	---	21	500



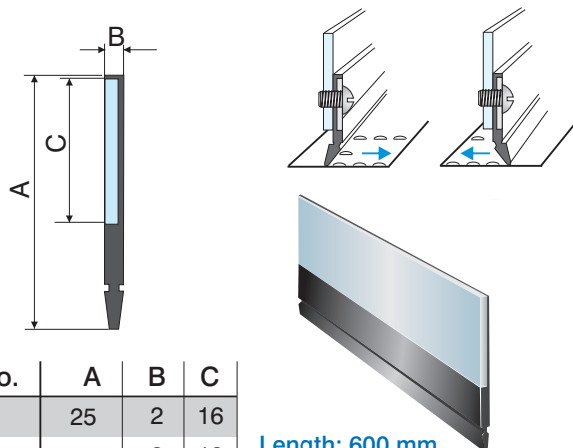
Art.No.	A	B	C	C1	D	E	E1	Length
FB-M25VAR/500	25	4,6	21,2	18,7	8,6	22	---	500
FB-M25VAG/500	25	4,6	21,2	18,7	8,6	---	21	500

# FB Way Wipers

for special applications (see also page 5)

## E Series Recommended preload: 1 - 3 mm

For surfaces with grooves or gaps

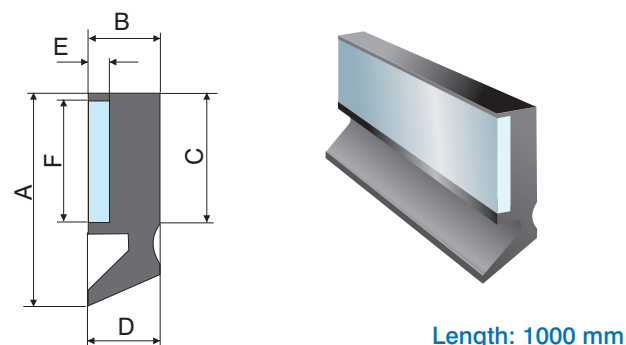


Art.No.	A	B	C
FB-E1	25	2	16
FB-E5	34	2	18

Length: 600 mm

## F Series Recommended preload: 1-3 mm

For very dirty guide ways

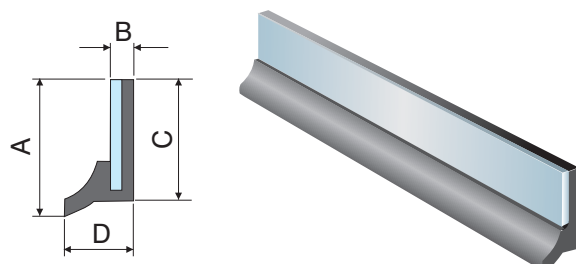


Length: 1000 mm

Art.No.	A	B	C	D	E	F
FB-F3	28	10	18,5	10	3	16

## H Series Recommended preload: 0.5 - 1 mm

For universal use, (reduced height (11 mm))

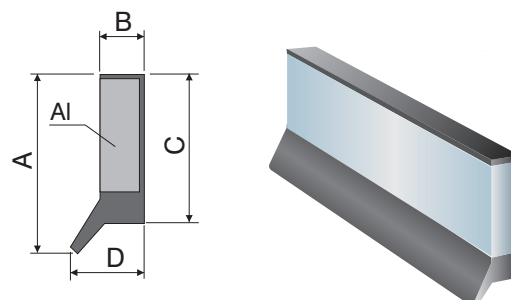


Art.No.	A	B	C	D
FB-H1	12,5	2	11	6

Length: 500 mm

## K Series Recommended preload: 1 - 2 mm

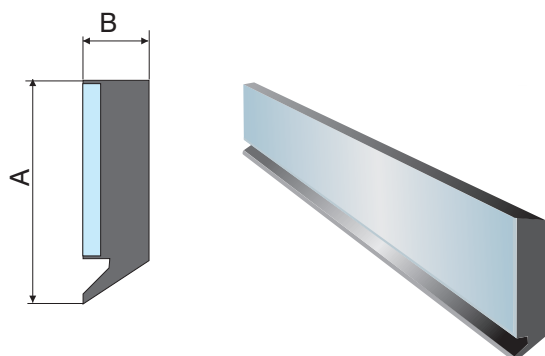
For universal use; ideal for stepped holes



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

Length: 500 mm

## L Series Recommended preload: 1 - 3 mm

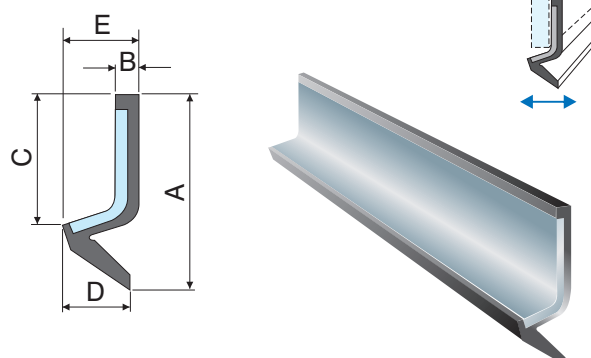


Art.No.	A	B
FB-L1	18,5	6,5
FB-L3	22,0	6,5
FB-L5	26,0	6,5

Length: 1000 mm

## N Series Recommended preload: 1 - 3 mm

In confined space e.g. on machine doors



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

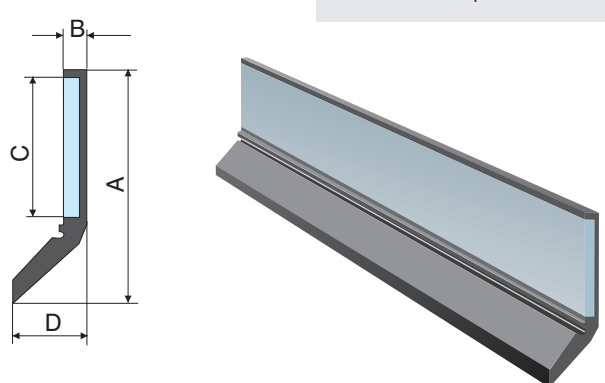
Length: 500 mm

# FB Way Wipers

for special applications (see also page 5)

## P Series

Recommended preload: 1 - 4 mm

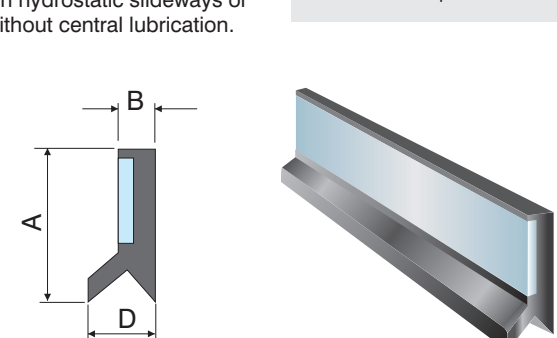


Art.No.	A	B	C	D
FB-P1	30	3	18	9,5

Length: 1000 mm

## V Series

On hydrostatic slideways or without central lubrication.  
Recommended preload: 1.5 - 2 mm

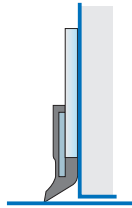
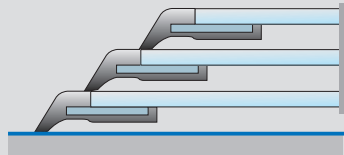


Art.No.	A	B	D
FB-V1	20	6	11
FB-V3	25	6	11

Length: 560 mm

# TA Wipers

for Telescopic Steel Covers  
or use in confined space



TA 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 Wipers are made of synthetic rubber with moulded-in steel insert.

## Material properties of wiper lip

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

For permanent operating temperatures of up to  $200^{\circ}\text{C}$  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 moulds, ensuring 100% repeat-order accuracy.

## Corrosion protection

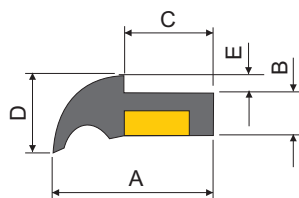
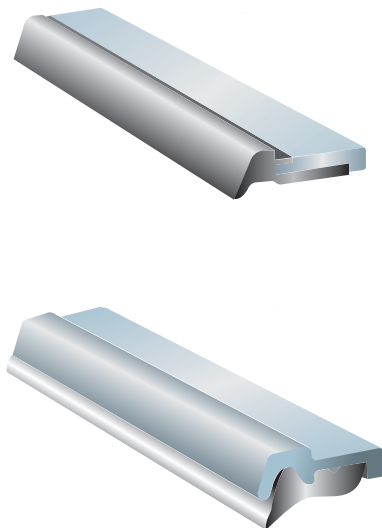
All TA Wipers with a steel insert are corrosion-protected.

## Delivery

Standard lengths are available from stock.  
Customised wipers are available on short notice.

## Preload

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



# TA Wipers

for Telescopic Steel Covers  
or use in confined space

## A Series

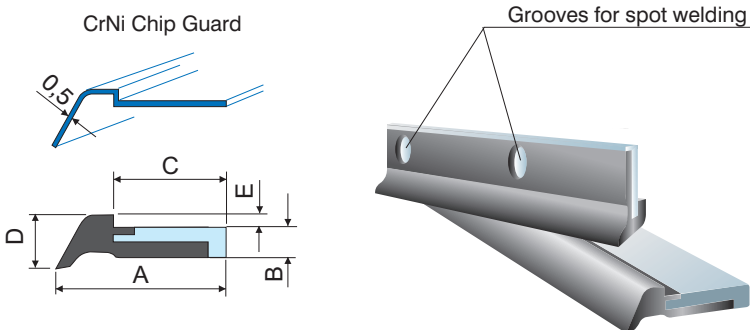
<div> <div> <p>CrNi Chip Guard</p> </div> <div> <p>Grooves for spot welding</p> </div> </div>	<div>Recommended preload : 1 mm</div> <table> <tr> <th>Art.No.</th><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>Length</th></tr> <tr> <td>TA-A1</td><td>15</td><td>2</td><td>8</td><td>6</td><td>2</td><td>500</td></tr> <tr> <td>TA-A3</td><td>15</td><td>2</td><td>8</td><td>6</td><td>2</td><td>1000</td></tr> <tr> <td>TA-A15</td><td colspan="5">CrNi Chip Guard</td><td>1000</td></tr> </table>	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 Guard					1000
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 Guard					1000																							
<div> <div> <p>Flat steel 8 x 2 mm</p> </div> <div> </div> </div>	<table> <tr> <th>Art.No.</th><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>Length</th></tr> <tr> <td>TA-A5</td><td>15</td><td>2</td><td>8</td><td>6</td><td>2</td><td>500</td></tr> </table>	Art.No.	A	B	C	D	E	Length	TA-A5	15	2	8	6	2	500														
Art.No.	A	B	C	D	E	Length																							
TA-A5	15	2	8	6	2	500																							
<div> <div> <p>Flat steel 20 x 2 mm</p> </div> <div> </div> </div>	<table> <tr> <th>Art.No.</th><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>Length</th></tr> <tr> <td>TA-A7</td><td>15</td><td>2</td><td>8</td><td>6</td><td>2</td><td>500</td></tr> </table>	Art.No.	A	B	C	D	E	Length	TA-A7	15	2	8	6	2	500														
Art.No.	A	B	C	D	E	Length																							
TA-A7	15	2	8	6	2	500																							
<div> <div> </div> <div> </div> </div>	<table> <tr> <th>Art.No.</th><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>Length</th></tr> <tr> <td>TA-A30</td><td>15</td><td>2,25</td><td>8</td><td>5,5</td><td>1,5</td><td>600</td></tr> </table>	Art.No.	A	B	C	D	E	Length	TA-A30	15	2,25	8	5,5	1,5	600														
Art.No.	A	B	C	D	E	Length																							
TA-A30	15	2,25	8	5,5	1,5	600																							
<div> <div> <p>Brass</p> </div> <div> </div> </div>	<table> <tr> <th>Art.No.</th><th>A</th><th>B</th><th>C</th><th>C1</th><th>D</th><th>E</th><th>Length</th></tr> <tr> <td>TA-A40</td><td>16</td><td>3</td><td>10</td><td>10,5</td><td>7</td><td>2</td><td>560</td></tr> <tr> <td>TA-A42</td><td>16</td><td>3</td><td>10</td><td>10,5</td><td>7</td><td>2</td><td>1000</td></tr> </table>	Art.No.	A	B	C	C1	D	E	Length	TA-A40	16	3	10	10,5	7	2	560	TA-A42	16	3	10	10,5	7	2	1000				
Art.No.	A	B	C	C1	D	E	Length																						
TA-A40	16	3	10	10,5	7	2	560																						
TA-A42	16	3	10	10,5	7	2	1000																						
<div> <div> <p>Brass 10 x 2</p> </div> <div> </div> </div>	<table> <tr> <th>Art.No.</th><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>Length</th></tr> <tr> <td>TA-A50</td><td>16</td><td>3</td><td>10</td><td>6,5</td><td>1,8</td><td>1000</td></tr> </table>	Art.No.	A	B	C	D	E	Length	TA-A50	16	3	10	6,5	1,8	1000														
Art.No.	A	B	C	D	E	Length																							
TA-A50	16	3	10	6,5	1,8	1000																							



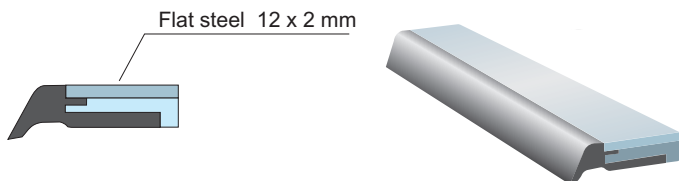
# TA Wipers

for Telescopic Steel Covers  
or use in confined space

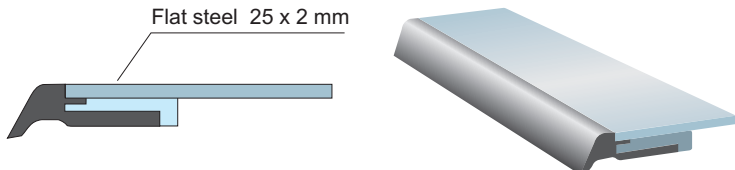
## B Series

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

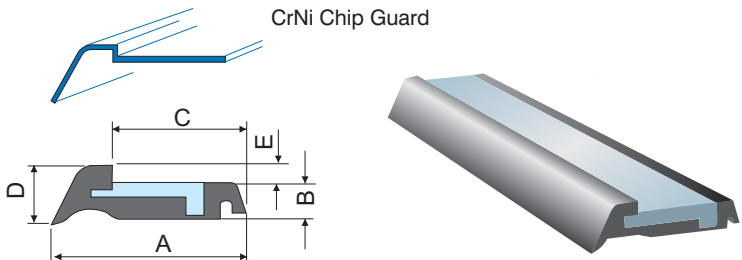
  

						
Art.No.	A	B	C	D	E	Length
TA-B5	18	3,3	12	6	1,5	500

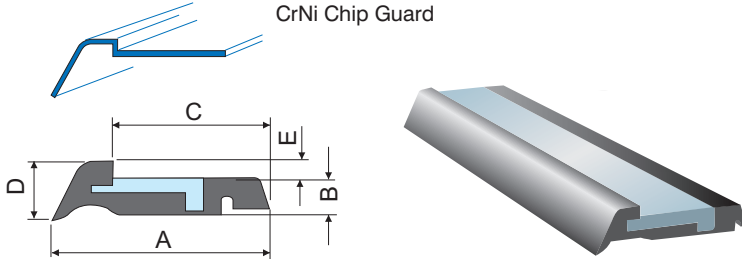
  

						
Art.No.	A	B	C	D	E	Length
TA-B7	18	3,3	12	6	1,5	500

## B Series with Bumper

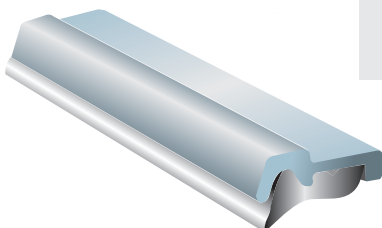
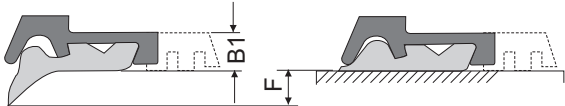
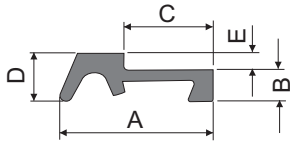
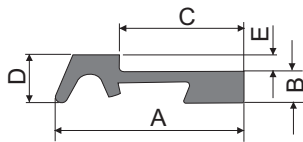
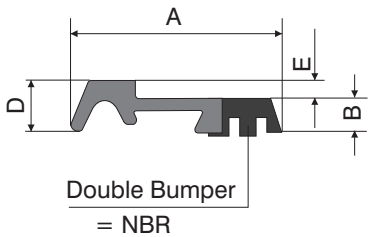
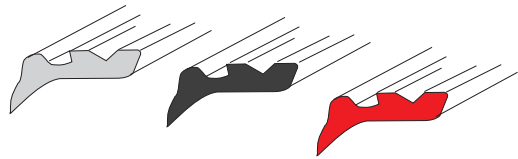
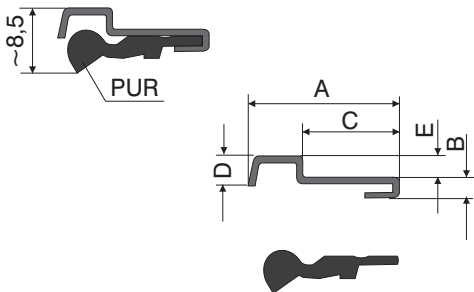
						
Art.No.	A	B	C	D	E	Length
TA-B9	20	3,3	14	5,5	1,5	500
TA-B15	CrNi Chip Guard					1000

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

# TA Wipers for Telescopic Steel Covers

## C Series

When mounted				Recommended preload: 2.5 mm							
											
Carrier											
		Art.No.	A	B	B1	C	D	E	F	Length	Material Carrier
		TA-C1.5	14	3	3,5	8	4,5	1,5	2,5	1000	Steel
		TA-C1.6	14	3	3,5	8	4,5	1,5	2,5	3000	Steel
		TA-C5.2	14	3	3,5	8	4,5	2 <sup>+0,0</sup> <sub>-0,2</sub>	2,5	1000	Steel
		TA-C5.3	14	3	3,5	8	4,5	2 <sup>+0,0</sup> <sub>-0,2</sub>	2,5	3000	Steel
Carrier											
		Art.No.	A	B	B1	C	D	E	F	Length	Material Carrier
		TA-C2.5	18	3	3,5	12	4,5	1,5	2,5	1000	Steel
		TA-C2.6	18	3	3,5	12	4,5	1,5	2,5	3000	Steel
Carrier											
		Art.No.	A	B	B1	D	E	F	Length	Material: Carrier	
		TA-C1.4	19	2,7	3,5	4,5	1,5	2,5	1000	Steel	
Lips											
suitable for C Series carriers		Art.No.	Color						Length	Material Lip	
		TA-C1.7W	milky white						endless	PUR 83° Shore	
		TA-C1.7S	black							PUR 83° Shore	
		TA-C1.7R	red							PUR 83° Shore	
		TA-C1.9	black							PUR 95° Shore	
		Art.No.	A	B	C	D	E	F	Length	Material	
		TA-C12 E	19,3	3,5	12,2	4,8	2	~8,5	1000	Steel	
		TA-C15 E	19,3	3,5	12,2	4,8	2	~8,5	3000	Steel	
		Art.No.							Length	Material Lip	
		TA-C13 E	black						endless	PUR 83° Shore	

# TA Wipers for Telescopic Steel Covers

## M Series

Preload recommended for M1 and M 2: 1 mm

### Wiper complete

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

### Brass insert

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

### Lippe/Lip

Art.No.	Length
TA-M1.3	for Way wiper TA-M1.0
TA-M1.4	endless
	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	for Way wiper TA-M2.0
TA-M2.4	endless
	1000



Wiper lips can be replaced when worn out.  
They are available as continous strips!

# All-Rounder

Preload recommended 1.5 mm

Chip Guard      Material: CrNi

A

C

Integral bumper

E

D

D1

A2

Brass

A1

B

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

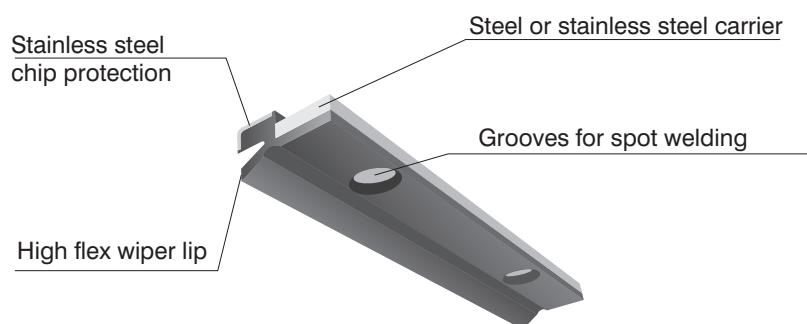
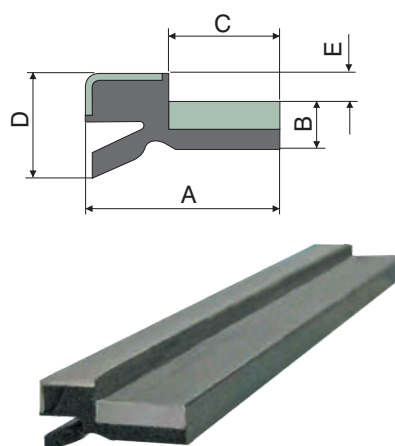
# TA Wipers for Telescopic Steel Covers

## TA-K Wipers

90° Shore for dry machining

83° Shore for normal use with coolants

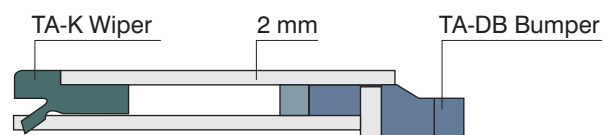
### K Series



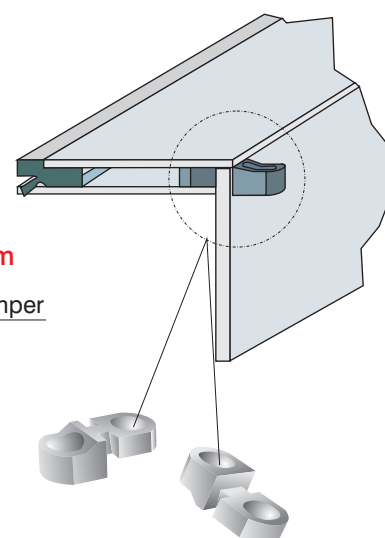
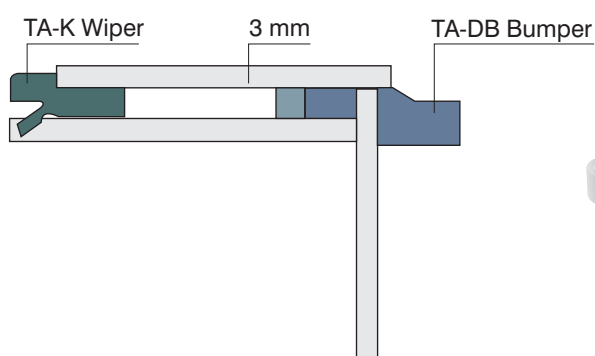
Preload recommended = 3 mm

Art.No.	A	B	C	D	E	Length	Design	Recommended Bumpers
TA-K1	14	3,5	8	7,6	2	1000	with stainless steel carrier 8 x 2 mm	TA-DB8
TA-K3	14	3,5	8	7,6	2	1000	with stainless steel carrier 8 x 2 mm	
TA-K5	14	3,5	8	7,6	2	1000	with steel carrier 8 x 2 mm	
TA-K7	14	3,5	8	7,6	2	1000	with steel carrier 8 x 2 mm	
TA-K11	16	4,5	10	4,2	2	1000	with steel carrier 8 x 2 mm	TA-DB8.1
TA-K11.1	16	4,5	10	4,2	2	1000	with steel carrier 8 x 2 mm	

### Typical application for thickness of box 2 mm



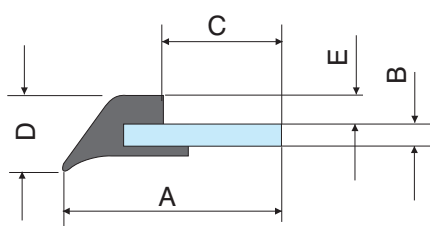
### Typical application for thickness of box 3 mm



# TA Wipers

for Telescopic Steel Covers

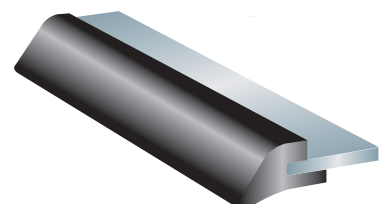
## R Series



Recommended preload: 0.5 - 1 mm

Art.No.	A	B	C	D	E
TA-RA1	16	2,0	9	6	1,5
TA-RA2	20	2,0	11	7	2,5
TA-RA3	13	1,8	7	4	1,3

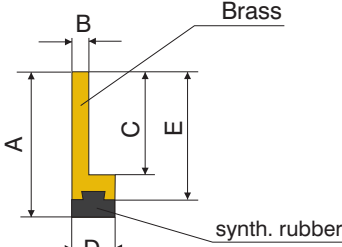
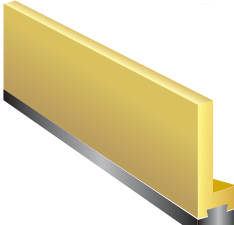
Length: 560 mm



# Accessories

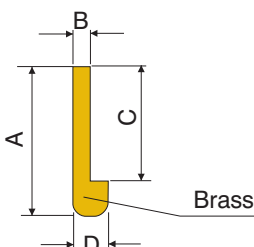
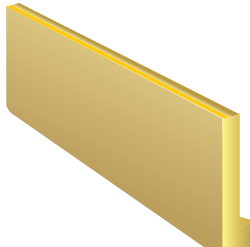
## for Telescopic Steel Covers

### Sliding Shoes

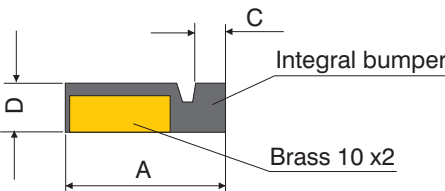
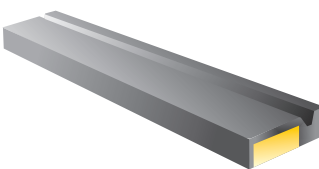
Length: 500 mm

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

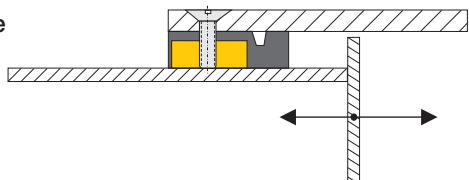



Length: 1000 mm

Art.No.	A	B	C	D
TA-G2	17	2	13	4
TA-G2.1	17	2	12	5

Example



Art.No.	A	C	D	Length
TA-G6	13	2,5	4	1000

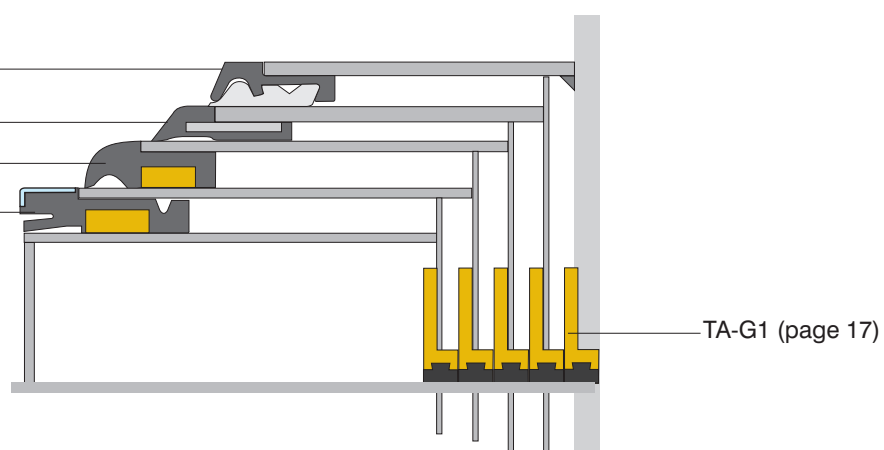
TA-C1.5/1.6 + 1.7 (page 15)

TA-A1 (page 13)

TA-M1.0 (page 16)

TA-M3 (page 16)

Typical applications



## Accessories

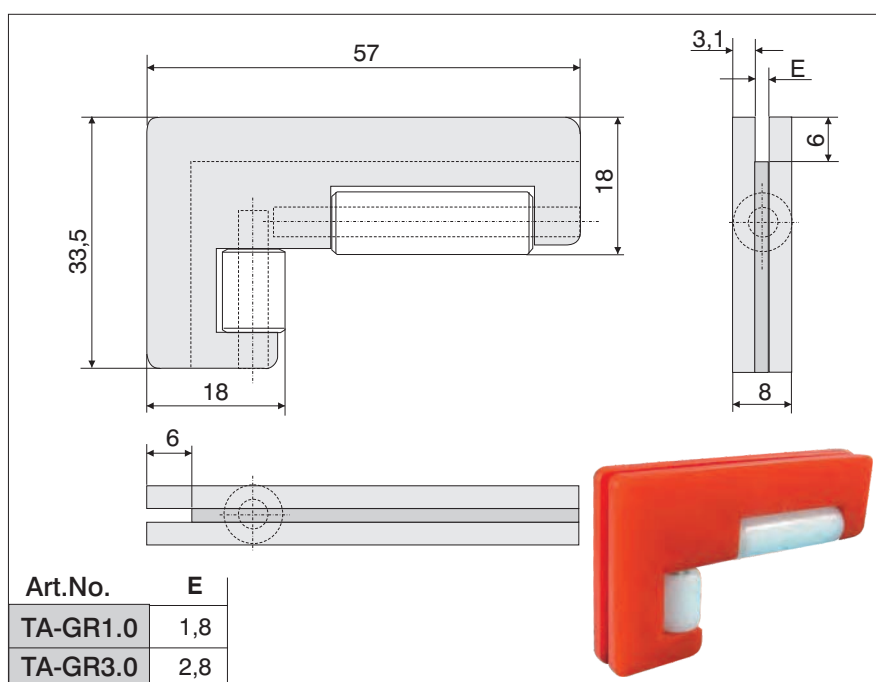
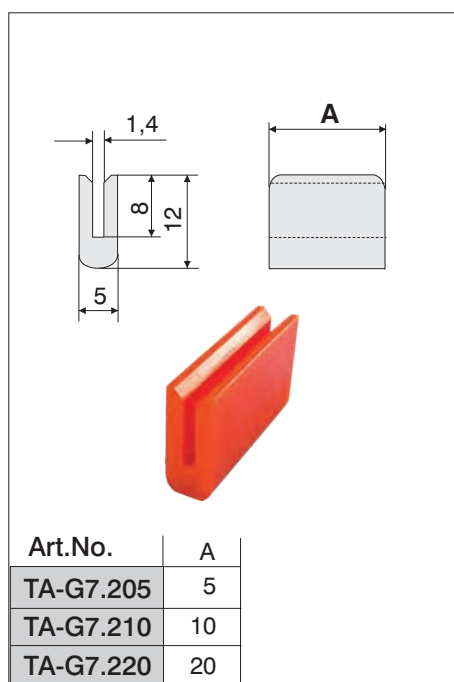
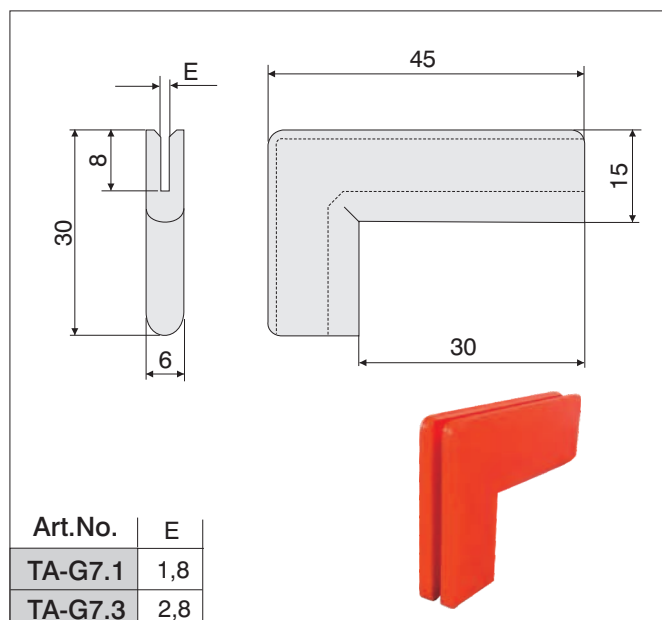
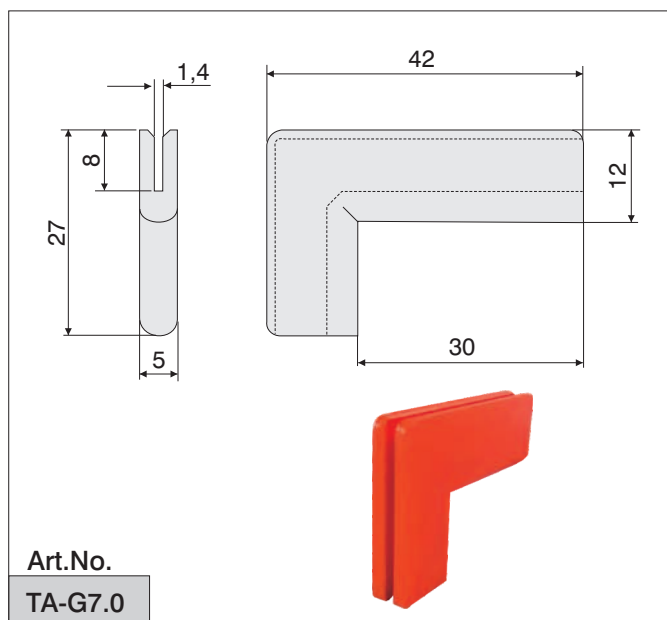
### Sliding Shoes for Telescopic Steel Covers and Protective Bellows



- Simply plug them in – that's it
- Tight seat, no chipping

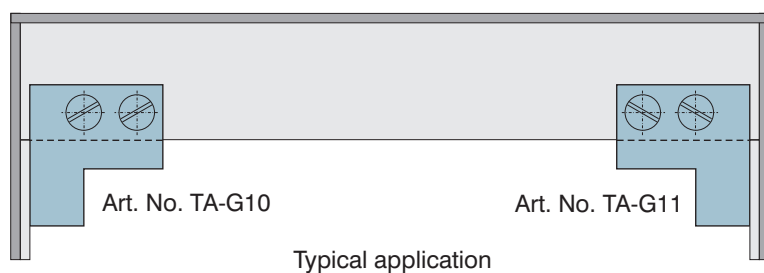
- Excellent antifrictional properties due to high-grade HDPE.
- Time-tried.
- Precision Mating Part, tight tolerance

Packing Unit: 50

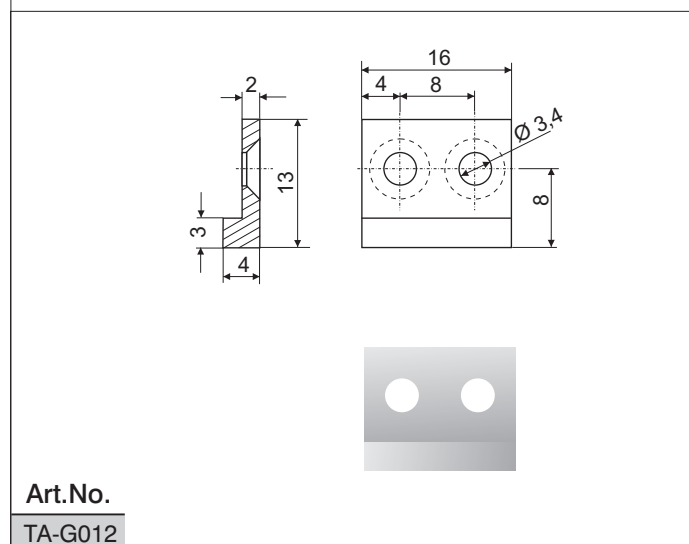
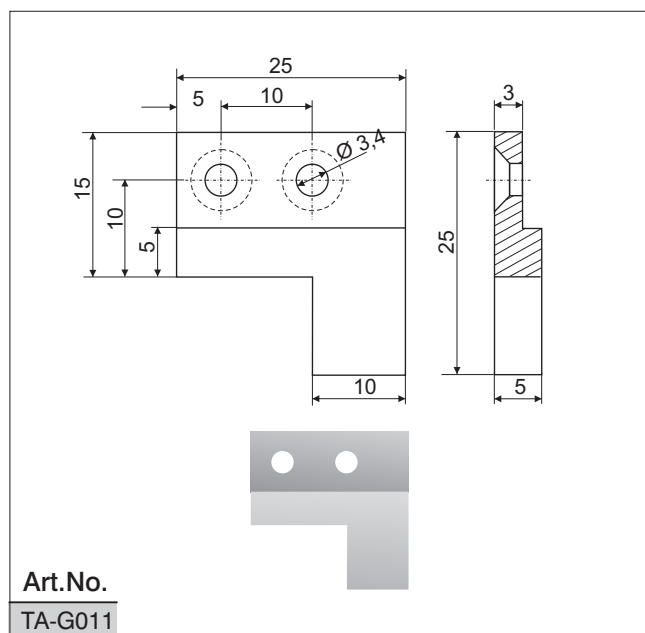
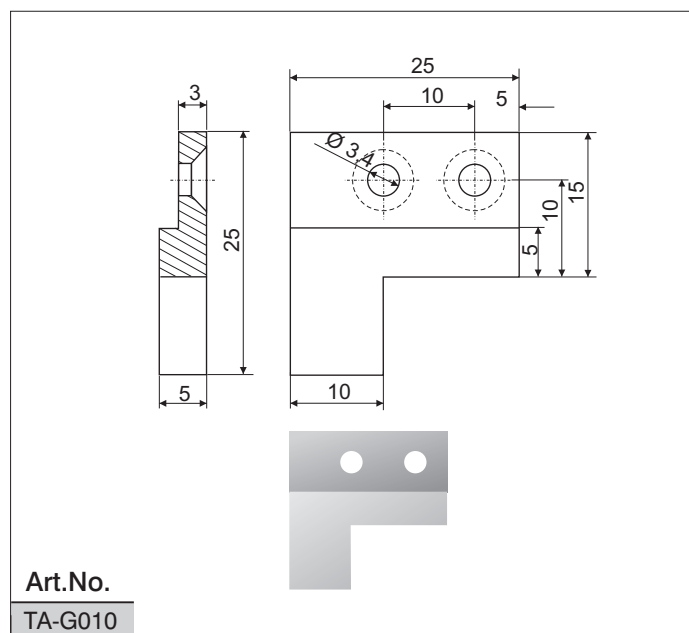


## Accessories

### Sliding Shoes for Telescopic Steel Covers and Protective Bellows



Material HDPE:  
Highly resistant to abrasion and oil  
Package unit: 100





## Accessories

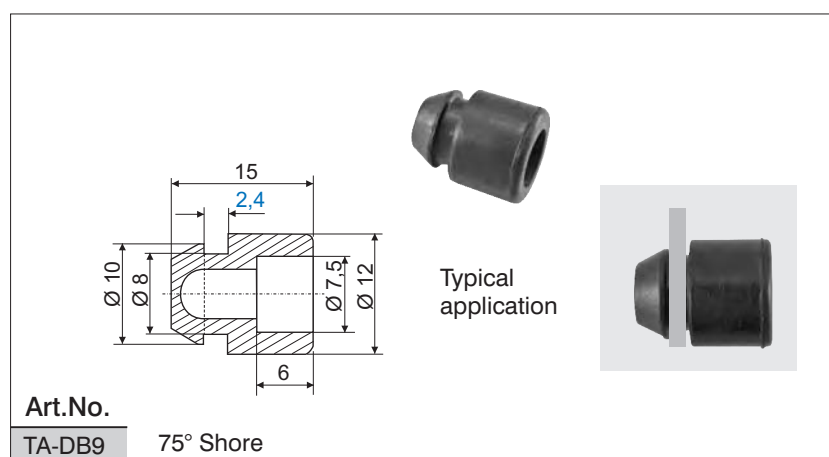
### Bumpers for Telescopic Steel Covers and Protective Bellows

#### Bumpers

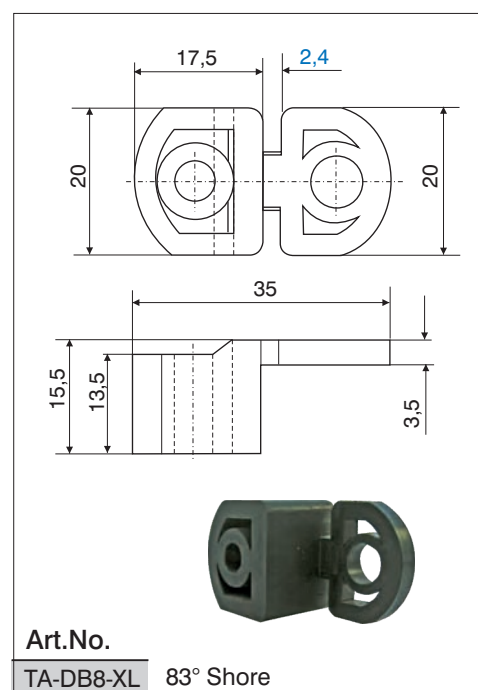
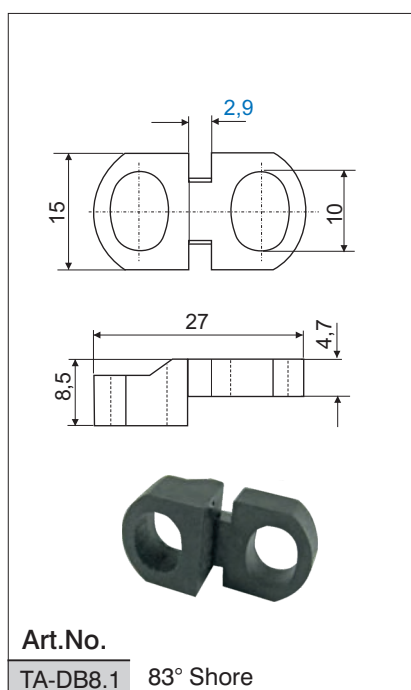
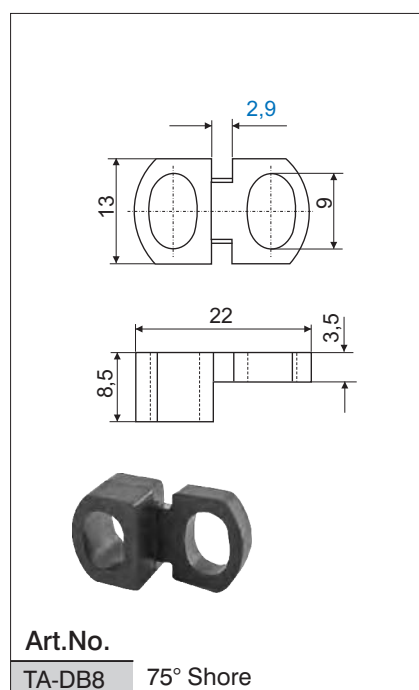
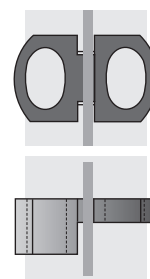
These bumpers have passed all endurance tests under the most difficult conditions with flying colors:  
**No breakage, no ruptures!**

Material: Special mixtures of synthetic rubber.

Package unit: 100

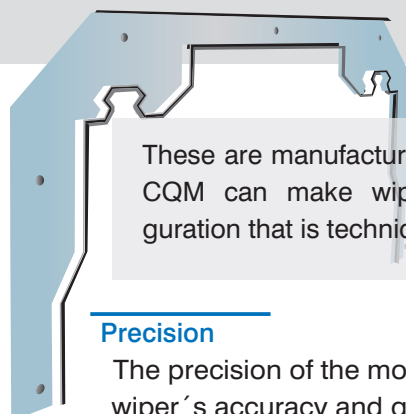


Typical application for:  
TA-DB8, TA-DB8.1 und TA-DB8-XL



# Moulded Wipers

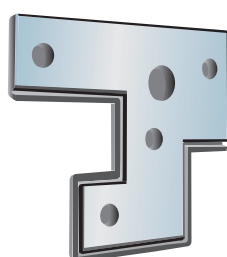
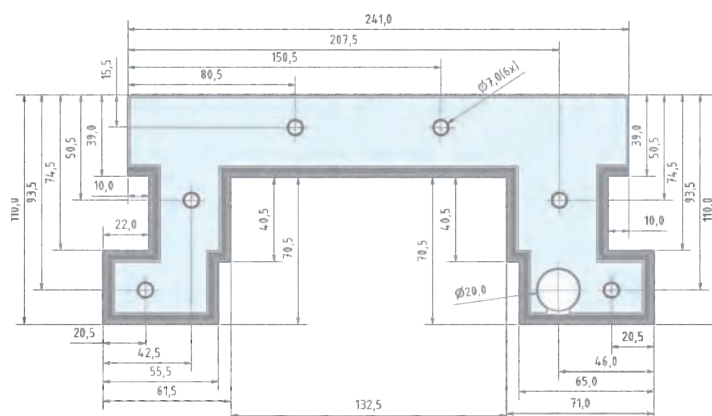
Custom-made



These are manufactured in special moulds. CQM can make wipers with any configuration that is technically possible.

## Precision

The precision of the mould is a criterion of the wiper's accuracy and guarantees optimum wiping results. And since CQM wipers are manufactured in moulds, 100 % accuracy is guaranteed for repeat orders.

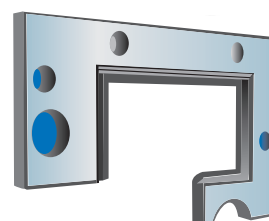
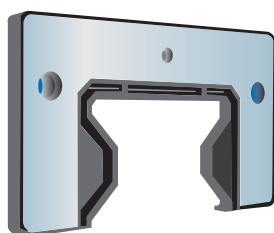


## Safety

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.

## Protective coating

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



## Lettering

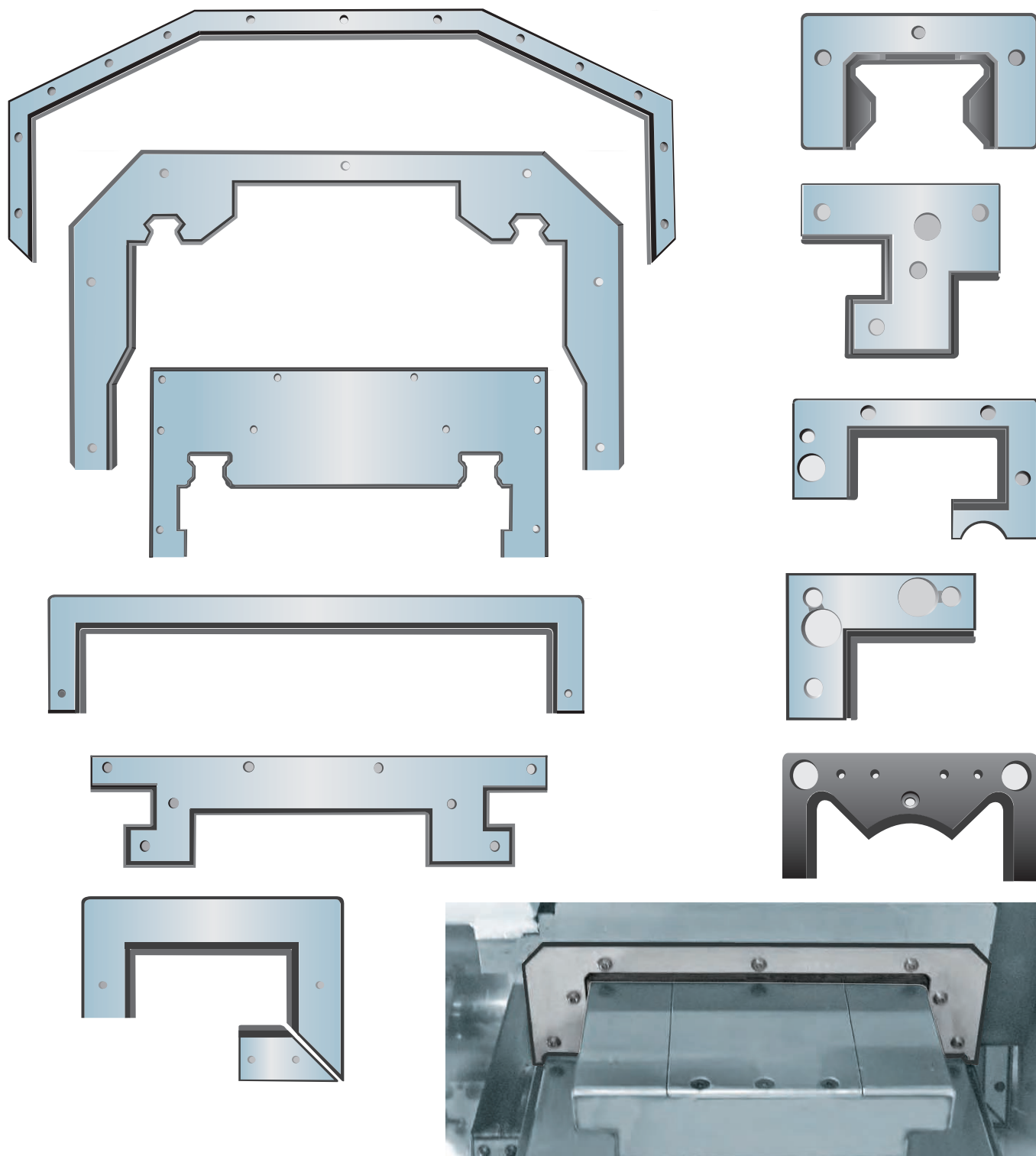
Moulded wipers can be marked to your specifications.

## Moulded Wipers

Custom-made.

Any configuration that is technically possible.

### Examples



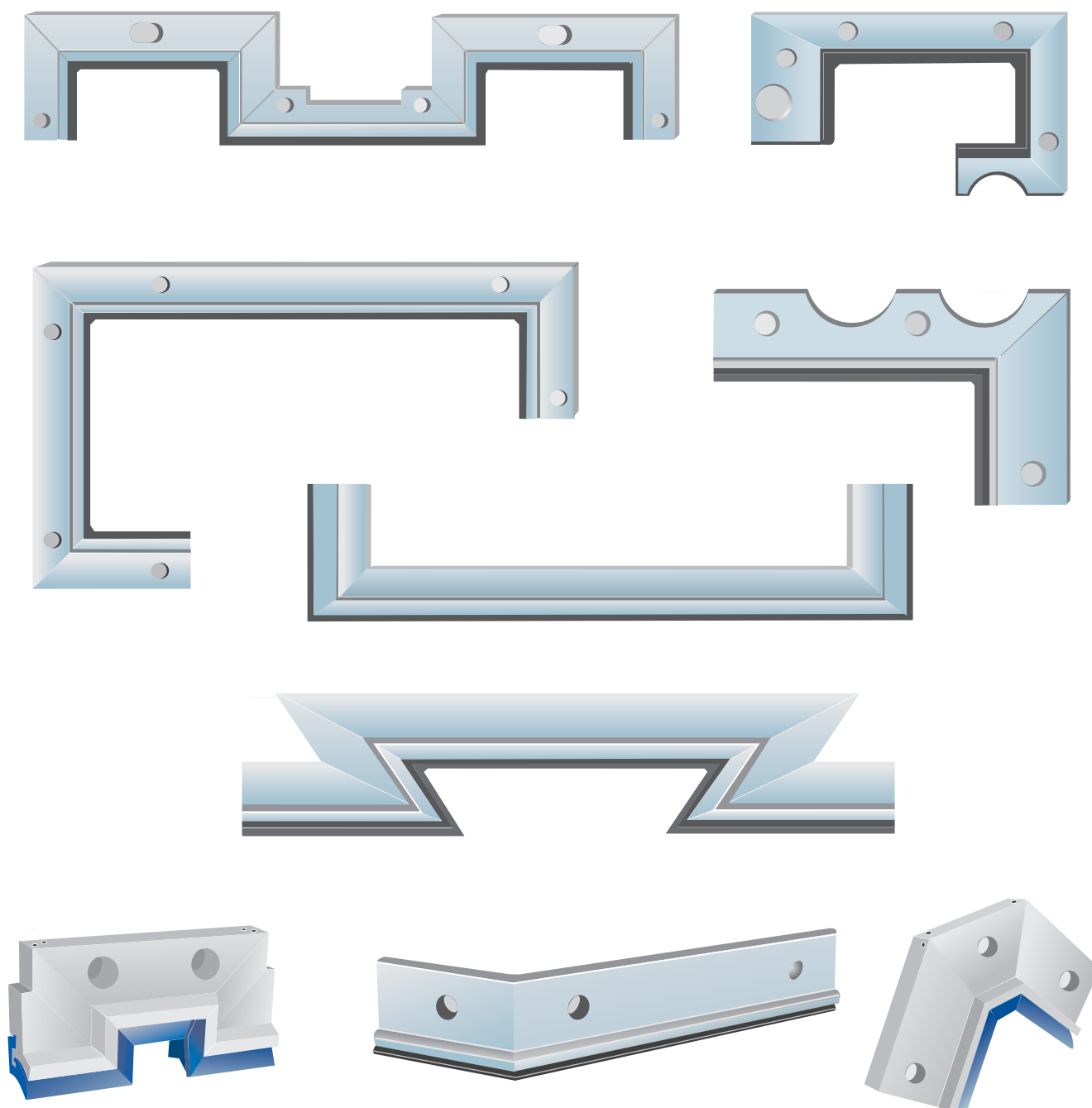
### Inquiries/Orders

We would be pleased to submit our quotation, for which we only need your sketch or drawing and details about the quantities required. Orders should be accompanied by a detailed drawing, preferably CAD, which we shall use as a basis for the final drawing to be sent back to you for approval.

## Custom made wipers

Any configuration that is technically possible.

### Examples



CQM supplies [tailor-made wipers](#) to sketch or drawing – ready to mount – regardless of whether you need just one wiper or a small batch.

If you need the same wiper on a regular basis, we might suggest a moulded type ([formed wiper](#)) that could be cheaper in the long run.

# Seals

for Sliding Doors, Moving Objects,  
Industrial Roll-Up Covers etc.

## AD-N Series

High-grade anodized-aluminum carrier profiles (with marking groove for rapid spot-drilling) with seal of oil- and coolant-resistant synthetic rubber. Worn sealing lips can easily be exchanged.

**AD-N1.1**

**AD-N1.2**

**AD-N1.3**

Art.No.	A	B	C	D	E	Length	Material	
							Profile	Seal
AD-N1.1	18	4,5	10	8,5	2	1000	AL	Synth. rubber
AD-N1.2	18	4,5	10	12,0	2	1000		
AD-N1.3	18	4,5	10	34,0	2	1000		

**AD-N2.1**

**AD-N2.2**

**AD-N2.3**

Art.No.	A	B	C	D	E	Length	Material	
							Profile	Seal
AD-N2.1	16,5	4,5	10	18,5	3,5	1000	AL	Synth. rubber
AD-N2.2	16,5	4,5	10	22,0	3,5	1000		
AD-N2.3	16,5	4,5	10	44,0	3,5	1000		

**Spare Seals**

Art.No.	X	Y	Length
AD-N5.1	7,0	5,6	1000
AD-N5.2	10,5	4,5	1000
AD-N5.3	32,5	4,5	1000

**AD-N5.1**

**AD-N5.2**

**AD-N5.3**

**AL-Profile(s)**

Art.No.	Length
AD-N3.0	3000
AD-N3.1	1000

Art.No.	Length
AD-N4.0	3000
AD-N4.1	1000

## All CQM Wipers at a Glance

### FB Way Wipers

CQM Series	Standard lengths ex stock (mm)	Material of carrier	Material of wiper lip	Continuous operating temp. (°C)	Microbial protection	Replaceable wiper lip	Recommended preload (mm)	Preguard	Chip Guard
FB-A	500	St	SK / FPM	100 / 200	X		0,5 - 1		
FB-B	560/1000	St	SK / FPM	100 / 200	X		0,5 - 1		
FB-AW	1000/2000	AL	PUR	90	X	X	2		X
FB-AW...VA	1000	AL	PUR	90	X		2	X	
FB-AW4	1000	AL	PUR	90	X		0,4		
FB-C3 + FB-C7	800	St	SK / FPM	100 / 200	X		1 - 4		
FB-C1 + FB-C5	800	St	SK / FPM	100 / 200	X		1 - 4	X	
FB-CS1	800	St	SK / FPM	100 / 200	X		3,5		X
FB-D1	850	St	SK / FPM	100 / 200	X		1 - 4		X
FB-D3	850	St	SK / FPM	100 / 200	X		1 - 4		
FB-E	600	St	SK / FPM	100 / 200	X		1 - 3		
FB-F	1000	St	SK / FPM	100 / 200	X		1 - 3		
FB-G	500	St	SK / FPM	100 / 200	X		3 - 8		
FB-H	500	St	SK / FPM	100 / 200	X		0,5 - 1		
FB-K	500	St	SK / FPM	100 / 200	X		1 - 2		
FB-L	1000	St	SK / FPM	100 / 200	X		1 - 3		
FB-N	500	St	SK / FPM	100 / 200	X	X	1 - 3		
FB-M18/M25	500/1000	CrNi	PUR	90	X		0,5 - 1		X
FB-M...VA	500/1000	CrNi	PUR	90	X		0,5 - 1	X	
FB-M27	500	CrNi	SK / FPM	100 / 200	X		0,5 - 1		X
FB-P1	1000	St	SK / FPM	100 / 200	X		1 - 4		
FB-S	300	St	SK / FPM	100 / 200	X		1		
FB-SHS	300	Messing	SK / FPM	100 / 200	X		1	X	
FB-U1	560	St	SK / FPM	100 / 200	X		1 - 2		
FB-U3	560	---	SK / FPM	100 / 200	X		1 - 2		
FB-U5	560	CrNi	SK / FPM	100 / 200	X		1 - 2		X
FB-U60 + U90	560	St	SK / FPM	100 / 200	X		1 - 2		U60 X
FB-V	560	St	SK / FPM	100 / 200	X		1,5 - 2		

SK = Synth. Rubber

St = Steel

Ms = Brass

X = yes

Subject to change without notice.

## All CQM Wipers at a Glance

### Wipers and Accessories for Steel Covers

CQM Series	Standard lengths ex stock (mm)	Material of carrier	Material of wiper lip	Continuous operating temp. (°C)	Microbial protection	Replaceable wiper lip	Recommended preload (mm)	Preguard	Chip Guard
TA-A1 + TA-A3	500/1000	St	SK / FPM	100 / 200	X		1		TA-B15 X
TA-A5, TA-A7, (TA-A30)	500 (600)	St	SK / FPM	100 / 200	X		1		
TA-A40, TA-A42, (TA-A50)	560/100 (1000)	Ms	SK / FPM	100 / 200	X		1		
TA-B1 + TA-B3	500/1000	St	SK / FPM	100 / 200	X		1		TA-B15 X
TA-B5 + TA-B7	500	St	SK / FPM	100 / 200	X		1		
TA-B9 + TA-B11	500/1000	St	SK / FPM	100 / 200	X		1		TA-B15 X
TA-C1 + TA-C2	1000/3000	St	PUR	90	X	X	2,5		X
TA-C1.4	1000	St/ Dämpfer/Bumper	PUR	90	X	X	2,5		X
TA-C12E + TA-C15E	1000/3000	St	PUR	90	X	X	2,5		X
TA-M1.0 + TA-M2.0	1000	Ms	SK / FPM	100 / 200	X	X	1		
TA-K1 + TA-K3	1000	CRNi	SK	100	X		1,5		X
TA-K5 + TA-K7	1000	St	SK	100	X		1,5		X
TA-M3.0	1000	Ms	SK / FPM	100 / 200	X		1,5		X
TA-RA	560	St	SK	100	X		0,5 - 1		
TA-G1	500	Ms	SK	100	X				
TA-G2	1000	Ms							
TA-G6	1000	Ms	SK	100					
TA-G7 ff		HDPE		100					
TA-GR		HDPE		100					

Subject to change without notice.

SK = Synth. Rubber

St = Steel

Ms = Brass

X = yes