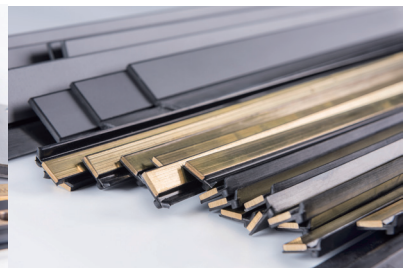


thodacon[®] | wayWIPERS



BEST CHOICE for machine tool protection



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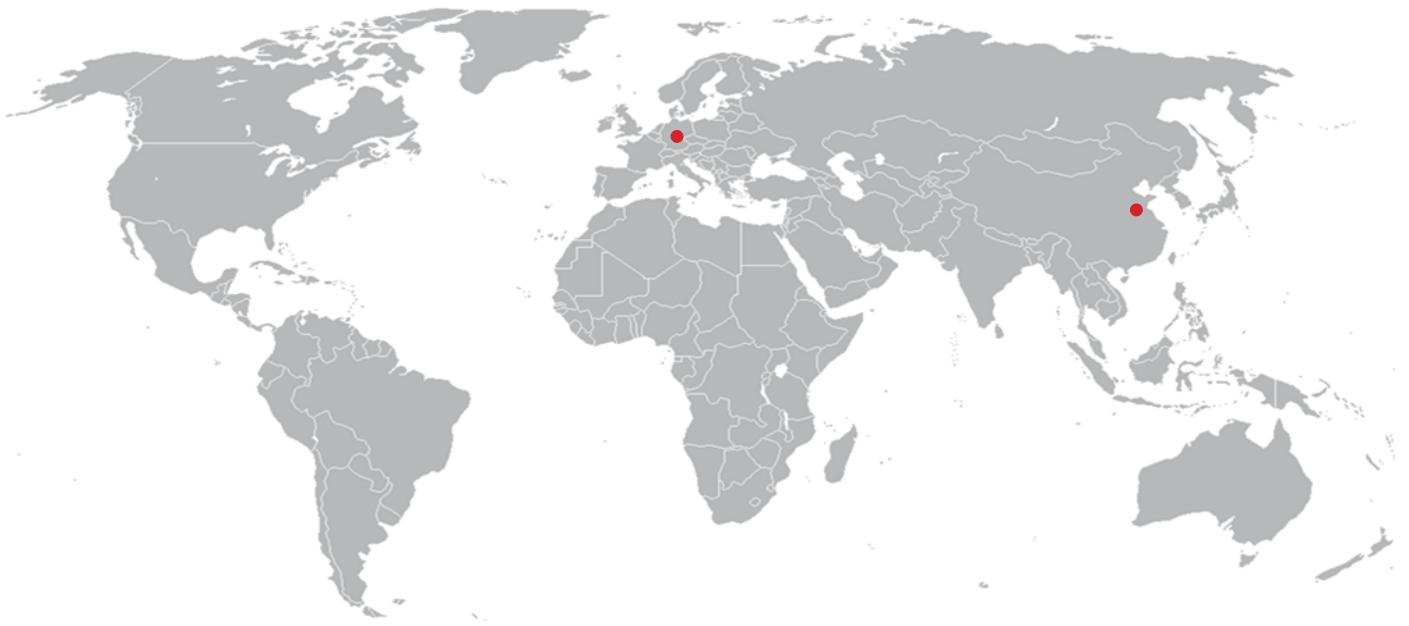
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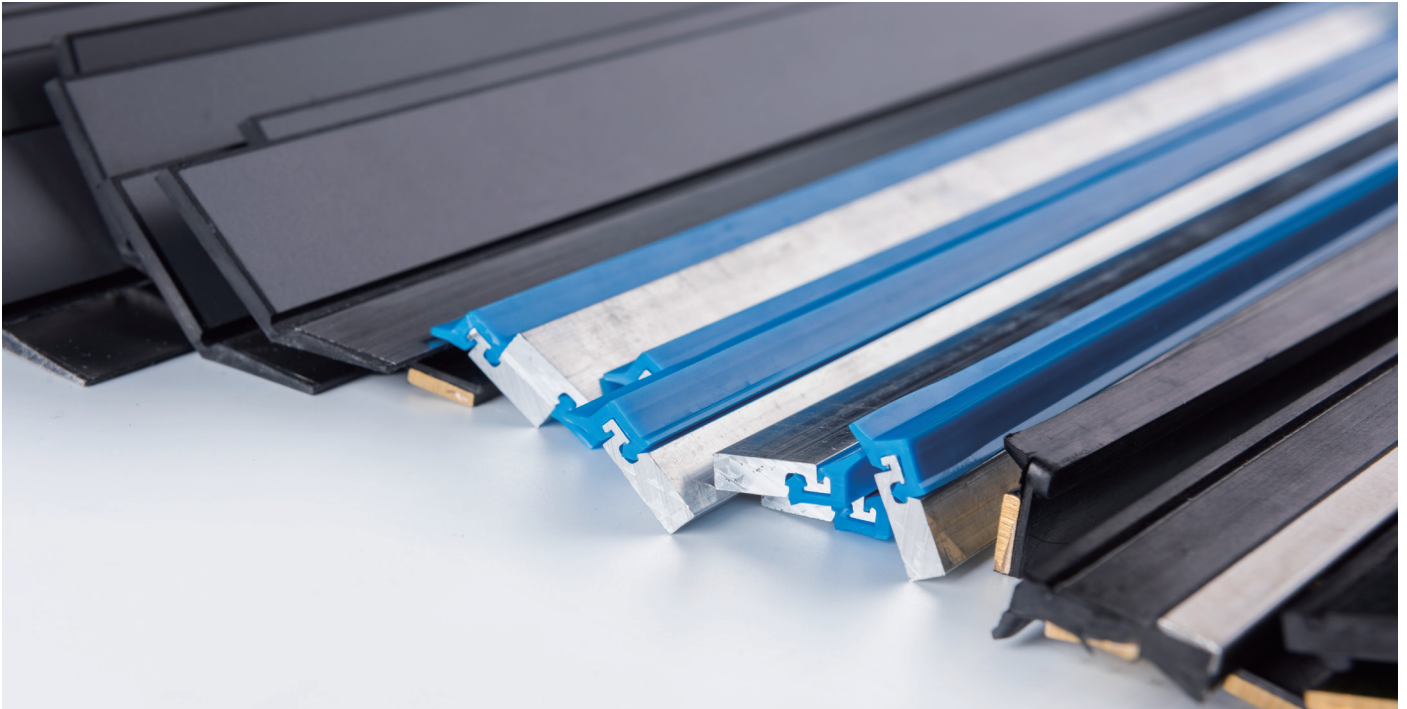


By using your way wipers, you will be able to experience the quality and long duration, brought to you by Thodacon.

Thodacon as a global player unifies the whole process chain of all its products under one organisation and offers the following advantages:

- Own R&D department ensures a state of the art technology.
- Own Design and customer service.
- Production with a high vertical range of manufacturing for all Thodacon products.
- Located in Europe (Germany) and Asia (China).
- Represented global far.
- Global call off warehouse and own logistics enables deliveries to each global location within 3 – 5 days.
- ISO 9001:2008 certified. *

* Plant Asia



Whether requirements like resistance to abrasion, excellent suitable shapes according to the most complicate guide ways by low coefficient of friction or just the chemical resistance to mineral oil, coolants, and even acids, the range of Thodacon way wipers and sealings will offer you the appropriate answer for your needs.

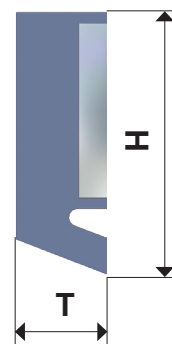
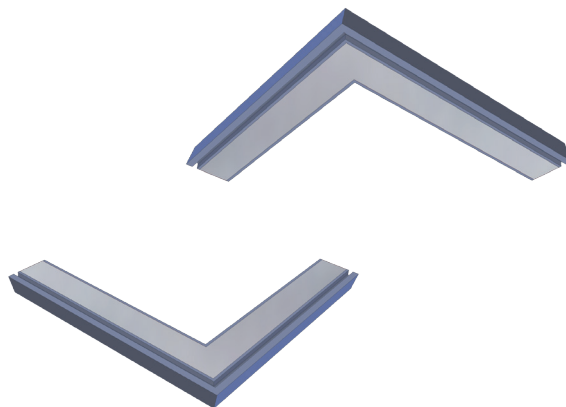
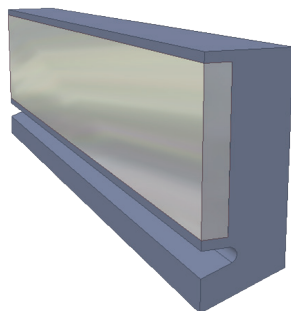
Our technicians are pleased to submit you an adequate advisory service. As a matter of course we provide CAD exchange of 3-D files and make it easy to implement our parts into your design.

Even most comprehensive developments are carried out in accurate quality in the shortest possible time.

Depending on the solution, the elastomers we choose are special Thodacon compositions of NBR, H-NBR, FPM and PU. Support frames and casings are mostly made of high grade steel or are well protected to corrosion.

The regular elastomer compositions are NBR and FPM with a hardness of 83 A . The standard color is black. Further hardnesses, colors as well as the using of the material H-NBR are available according to the customers' request.

A wide range of standard parts in stock is available for prompt delivery.

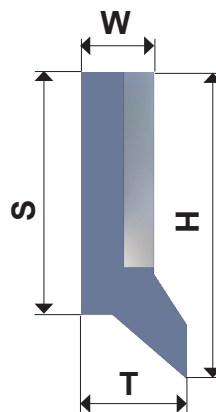
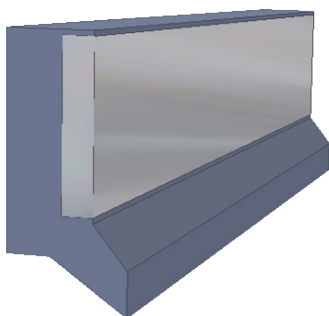


Technical Information

Type	Order No.	H	T	Length	Elast.
MW A 1	1000168	14	6.5	500	NBR
MW A 2	1000169	14	6.5	500	FPM
MW A 3	1000082	18	6.5	500	NBR
MW A 4	1000083	18	6.5	500	FPM
MW A 5	1000170	25	6.5	500	NBR
MW A 6	1000171	25	6.5	500	FPM
MW A 7	1000172	14	5	500	NBR
MW A 8	1000173	14	5	500	FPM
MW A 9	1000174	18	5	500	NBR
MW A 10	1000175	18	5	500	FPM
MW A 11	1000176	25	5	500	NBR
MW A 12	1000177	25	5	500	FPM
MW A 13	1011760	30	6.5	500	NBR
MW A 14	1106279	30	6.5	500	FPM

NEW
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All dimensions in "mm"



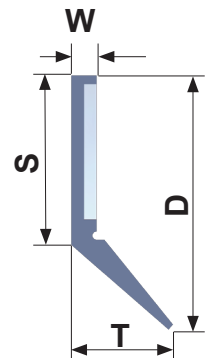
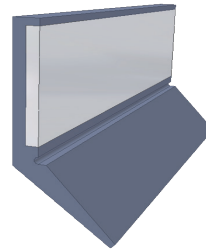
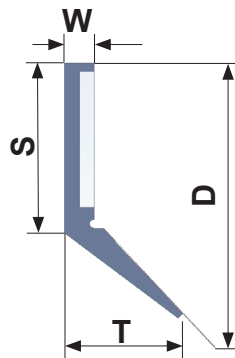
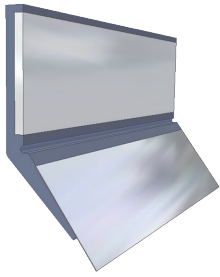
Technical Information

Type	Order No.	H	S	W	T	Length	Elast.
MW B 1	1000179	9.5	7.5	2.5	5	560	NBR
MW B 1L	1001104	9.5	7.5	2.5	5	1000	NBR
MW B 2	1000180	9.5	7.5	2.5	5	560	FPM
MW B 2L	1001135	9.5	7.5	2.5	5	1000	FPM
MW B 3	1000181	15	11.5	5	7	560	NBR
MW B 3L	1000993	15	11.5	5	7	1000	NBR
MW B 4	1000182	15	11.5	5	7	560	FPM
MW B 4L	1001146	15	11.5	5	7	1000	FPM
MW B 5	1000104	18	15	5	9	560	NBR
MW B 5L	1001049	18	15	5	9	1000	NBR
MW B 6	1000183	18	15	5	9	560	FPM
MW B 6L	1001147	18	15	5	9	1000	FPM
MW B 7	1000184	21	17.5	5	7	560	NBR
MW B 7L	1001127	21	17.5	5	7	1000	NBR
MW B 8	1000185	21	17.5	5	7	560	FPM
MW B 8L	1001148	21	17.5	5	7	1000	FPM
MW B 9	1000186	25	21	6	11	560	NBR
MW B 9L	1001105	25	21	6	11	1000	NBR

Technical Information

Type	Order No.	H	S	W	T	Length	Elast.
MW B 10	1000187	25	21	6	11	560	FPM
MW B 10L	1001149	25	21	6	11	1000	FPM
MW B 11	1000188	26	23	5	7	560	NBR
MW B 11L	1001106	26	23	5	7	1000	NBR
MW B 12	1000189	26	23	5	7	560	FPM
MW B 12L	1001150	26	23	5	7	1000	FPM
MW B 13	1000190	30	27	5	7	560	NBR
MW B 14	1000191	30	27	5	7	560	FPM
MW B 15	1000901	31	28	5	7	560	NBR
MW B 15L	1001107	31	28	5	7	1000	NBR
MW B 16	1000902	31	28	5	7	560	FPM
MW B 16L	1001153	31	28	5	7	1000	FPM
MW B 17	1001289	36	33	5	7	560	NBR
MW B 18	1001290	36	33	5	7	560	FPM
MW B 19	1001291	39	36	5	7	560	NBR
MW B 19L	1106280	39	36	5	7	1000	NBR
MW B 20	1001292	39	36	5	7	560	FPM
MW B 20L	1106281	39	36	5	7	1000	FPM

All dimensions in "mm"



Technical Information

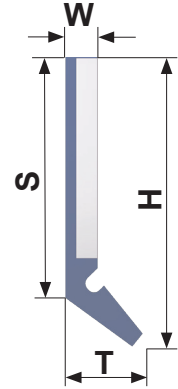
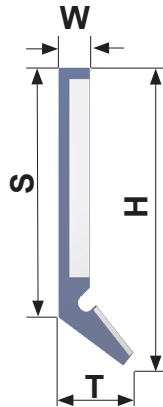
Type	Order No.	Protection	H	S	W	T	D	Length	Elast.
MW C 1	1000197	Spring steel	25	15.5	3	12	29	800	NBR
MW C 1L	1076201	Spring steel	25	15	3	12	29	1000	NBR
MW C 2	1000198	Spring steel	25	15.5	3	12	29	800	FPM
MW C 2L	1106282	Spring steel	25	15	3	12	29	1000	FPM
MW C 3	1000199	-	25	15.5	3	12	-	800	NBR
MW C 4	1000200	-	25	15.5	3	12	-	800	FPM
MW C 5	1000113	Spring steel	30	20.5	3	12	34	800	NBR
MW C 5L	1017951	Spring steel	30	20.5	3	12	34	1000	NBR
MW C 6	1000201	Spring steel	30	20.5	3	12	34	800	FPM
MW C 6L	1025030	Spring steel	30	20.5	3	12	34	1000	FPM
MW C 7	1000087	-	30	20.5	3	12	-	800	NBR
MW C 7L	1025031	-	30	20.5	3	12	-	1000	NBR
MW C 8	1000202	-	30	20.5	3	12	-	800	FPM
MW C 8L	1024048	-	30	20.5	3	12	-	1000	FPM
MW C 9	1018620	Spring steel	35	25.5	3	12	39	800	NBR
MW C 10	1025032	Spring steel	35	25.5	3	12	39	800	FPM
MW C 11	1025033	-	35	25.5	3	12	-	800	NBR
MW C 12	1025034	-	35	25.5	3	12	-	800	FPM
MW C 13	1099745	-	30	20	3	12	-	1200	NBR
MW C 14	1106283	-	30	20	3	12	-	1200	FPM

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Technical Information

Preload : 3.5 mm

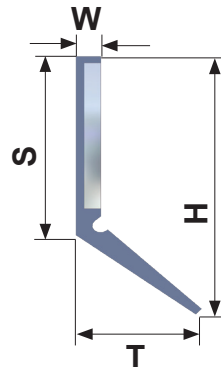
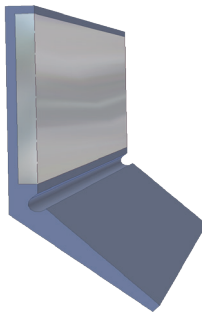
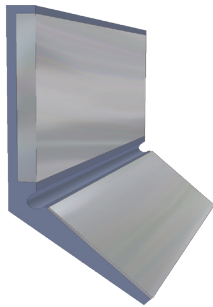
Type	Order No.	Protection	H	S	W	T	Length	Elast.
MW CS 1	1020466	Spring steel	27	22.7	3	7.3	800	NBR
MW CS 2	1020467	Spring steel	27	22.7	3	7.3	800	FPM
MW CS 3	1020468	-	27	22.7	3	7.3	800	NBR
MW CS 4	1020469	-	27	22.7	3	7.3	800	FPM
MW CS 5	1037480	Spring steel	27	22.7	3	7.3	1500	NBR
MW CS 6	1041444	Spring steel	27	22.7	3	7.3	1500	FPM
MW CS 7	1041445	-	27	22.7	3	7.3	1500	NBR
MW CS 8	1041446	-	27	22.7	3	7.3	1500	FPM

All dimensions in "mm"

Moulded Wiper Type C, CS and D are the right choice to clean big steel plates with inaccuracies on the surface. The high flexible wiper lip compensates it easily.

A preload up to 4 mm while keeping a constant low friction makes this wiper suitable especially for the internal space of high speed drilling machines.

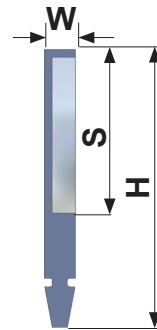
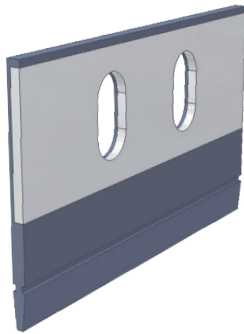
An optional high grade spring steel vulcanised on the rubber will be an excellent protection to hot chips, which are part of the harsh environment into the machines.



Technical Information

Preload up to 3mm

Type	Order No.	Protection	H	S	W	T	Length	Elast.
MW D 1	1000203	Spring steel	39	27	3	15	850	NBR
MW D 1L	1072951	Spring steel	39	27	3	15	1200	NBR
MW D 2	1000204	Spring steel	39	27	3	15	850	FPM
MW D 2L	1106285	Spring steel	39	27	3	15	1200	FPM
MW D 3	1000205	-	39	27	3	15	850	NBR
MW D 3L	1106284	-	39	27	3	15	1200	NBR
MW D 4	1000206	-	39	27	3	15	850	FPM
MW D 4L	1072871	-	39	27	3	15	1200	FPM
MW D 5	1004783	Spring steel	32	20	3	15	850	NBR
MW D 6	1004777	Spring steel	32	20	3	15	850	FPM
MW D 7	1021136	-	32	20	3	15	850	NBR
MW D 8	1021137	-	32	20	3	15	850	FPM
MW D 9	1036148	Spring steel	45	27	3	21.5	1000	NBR
MW D 10	1041447	Spring steel	45	27	3	21.5	1000	FPM
MW D 11	1041448	-	45	27	3	21.5	1000	NBR
MW D 12	1041449	-	45	27	3	21.5	1000	FPM
MW D 13	1101611	Spring steel	39	27	3	15	1500	NBR
MW D 14	1106287	Spring steel	39	27	3	15	1500	FPM
MW D 15	1078305	-	39	27	3	15	1500	NBR
MW D 16	1106286	-	39	27	3	15	1500	FPM
MW D 17	1106288	Spring steel	45	27	3	21.5	2000	NBR
MW D 18	1106289	Spring steel	45	27	3	21.5	1800	FPM



Technical Information

Swing lip

Type	Order No.	H	W	S	Length	Elast.
MW E 1	1000207	25	2	17.3	600	NBR
MW E 1L	1075881	25	2	17.3	800	NBR
MW E 2	1000208	25	2	17.3	600	FPM
MW E 2L	1064817	25	2	17.3	800	FPM
MW E 3	1000098	34	2	19.3	600	NBR
MW E 3L	1056379	34.5	2	19.3	1200	NBR
MW E 4	1000211	34	2	19.3	600	FPM
MW E 4L	1062166	34.5	2	19.3	1200	FPM
MW E 5	1103742	45	2	32	1200	NBR
MW E 6	1089799	45	2	32	1200	FPM

NEW

NEW

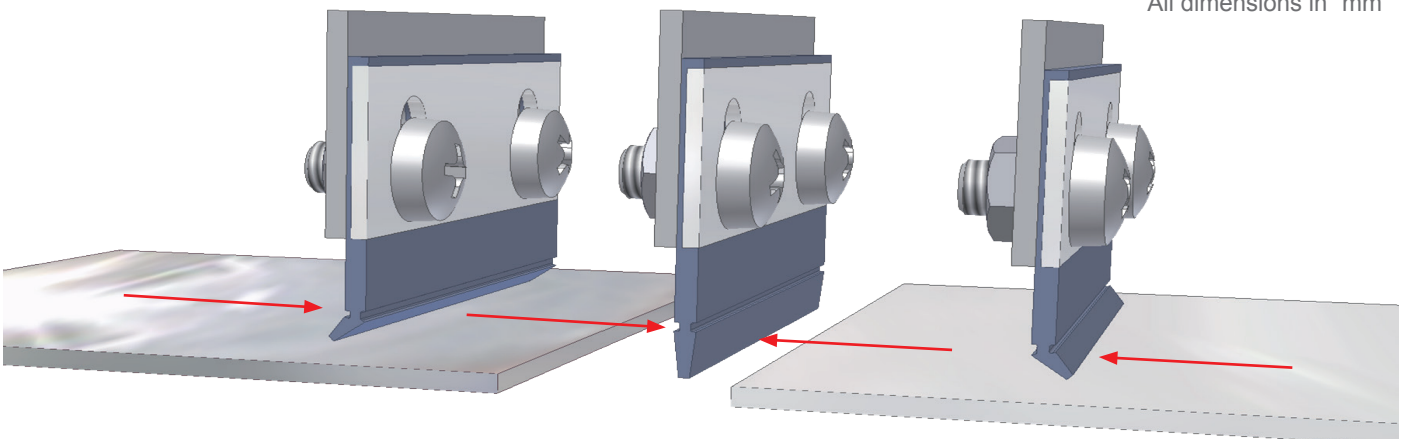
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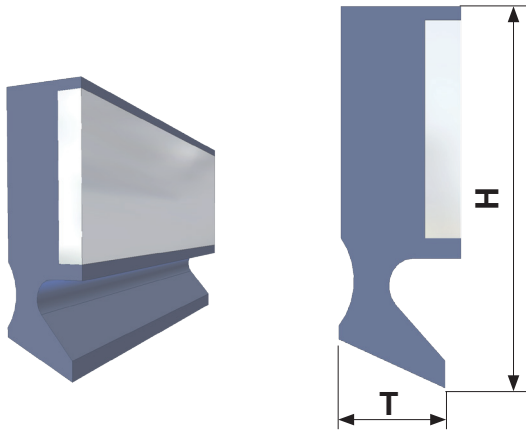
All dimensions in "mm"



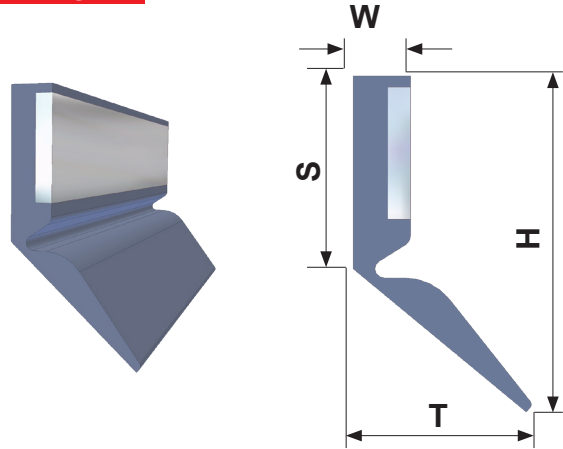
Moulded Wipers Type E are the right choice to clean any guideway with steps or interruptions in the surface.

A preload up to 3 mm while keeping a constant low friction makes this wiper suitable especially to compensate inaccuracies between any cover parts like machine doors.

MW F



MW G



Technical Information

Type	Order No.	H	T	Length	Elast.
MW F 1	1000214	22	10.5	1000	NBR
MW F 2	1000215	22	10.5	1000	FPM
MW F 3	1000122	28	10.5	1000	NBR
MW F 3L	1106298	28	10.5	1100	NBR
MW F 4	1000216	28	10.5	1000	FPM
MW F 4L	1052286	28	10.5	1100	FPM
MW F 5	1000217	40	10.5	1000	NBR
MW F 6	1000218	40	10.5	1000	FPM

NEW

NEW

Technical Information

Extremely flexible lip, Preload up to 10mm

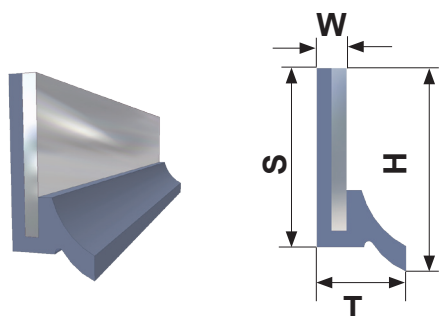
Type	Order No.	H	S	W	T	Length	Elast.
MW G 1	1000133	30	17	5	15.5	500	NBR
MW G 2	1000219	30	17	5	15.5	500	FPM
MW G 3	1000220	40	27	5	15.5	500	NBR
MW G 3L	1078302	40	27	5	15.5	1000	NBR
MW G 4	1000221	40	27	5	15.5	500	FPM
MW G 4L	1106297	40	27	5	15.5	1000	FPM

NEW

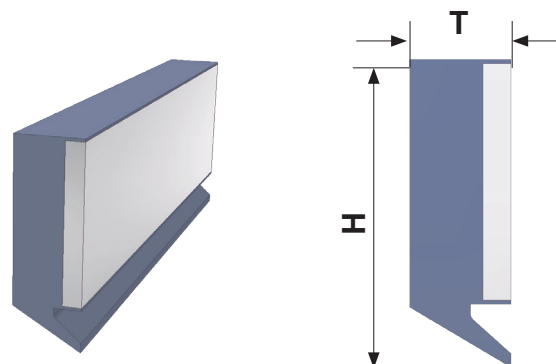
NEW

All dimensions in "mm"

MW H



MW L



Technical Information

Type	Order No.	H	S	W	T	Length	Elast.
MW H 1	1000125	12.5	11	2	6	500	NBR
MW H 2	1000222	12.5	11	2	6	500	FPM

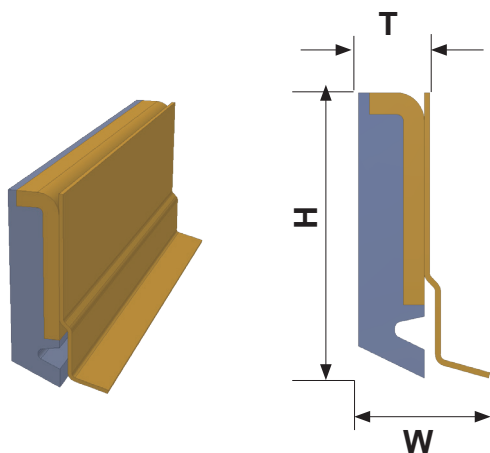
Technical Information

Type	Order No.	H	T	Length	Elast.
MW L 1	1015190	18.5	6.5	1000	NBR
MW L 2	1015191	18.5	6.5	1000	FPM
MW L 3	1015659	22	6.5	1000	NBR
MW L 4	1015660	22	6.5	1000	FPM
MW L 5	1015769	26	6.5	1000	NBR
MW L 6	1015658	26	6.5	1000	FPM

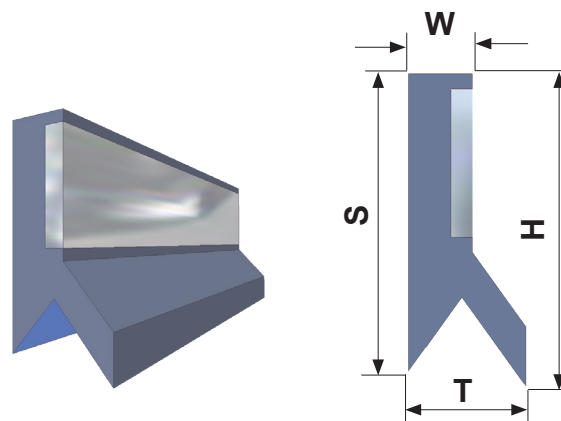
All dimensions in "mm"

MW R/V

MW R



MW V



Technical Information

Type	Order No.	H	T	W	Length	Elast.
MW R 1	1015808	18	6.5	12	300	NBR
MW R 2	1015809	18	6.5	12	300	FPM
MW R 3	1005881	25	6.5	12	300	NBR
MW R 4	1015810	25	6.5	12	300	FPM

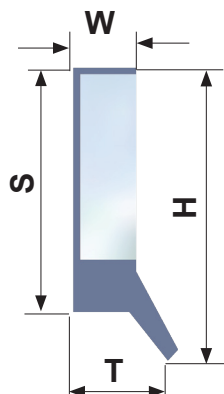
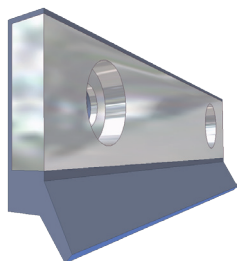
Technical Information

Double Sealing

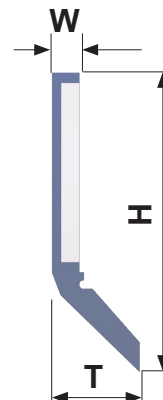
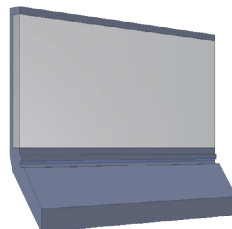
Type	Order No.	H	S	W	T	Length	Elast.
MW V 1	1000905	21	20	6	11	560	NBR
MW V 2	1000906	21	20	6	11	560	FPM
MW V 3	1000912	26	25	6	11	560	NBR
MW V 4	1000913	26	25	6	11	560	FPM
MW V 5	1009702	26	25	6	11	1000	NBR
MW V 6	1015848	26	25	6	11	1000	FPM

All dimensions in "mm"

MW K



MW P



Technical Information

Aluminum casing; Step Holes possible

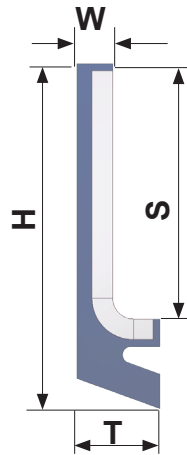
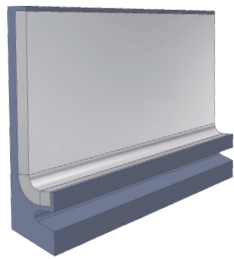
Type	Order No.	H	S	W	T	Length	Elast.
MW K 1	1000607	18	15	4.5	7.5	500	NBR
MW K 2	1000896	18	15	4.5	7.5	500	FPM
MW K 3	1000835	25	22	4.5	7.5	560	NBR
MW K 4	1000914	25	22	4.5	7.5	560	FPM

Technical Information

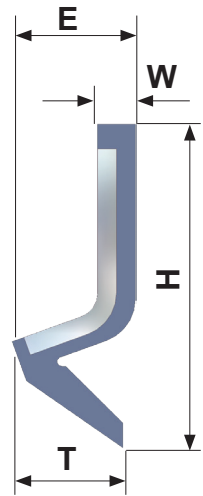
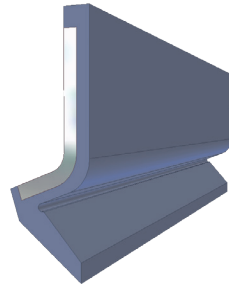
Type	Order No.	H	T	W	Length	Elast.
MW P 1	1010544	30	3.0	9.5	1000	NBR
MW P 2	1015818	30	3.0	9.5	1000	FPM

All dimensions in "mm"

MW S



MW N



Technical Information

Type	Order No.	H	S	W	T	Length	Elast.
MW S 1	1011856	18	11.5	2.6	6.0	300	NBR
MW S 2	1015815	18	11.5	2.6	6.0	300	FPM
MW S 3	1011835	25	18.5	2.6	6.0	300	NBR
MW S 4	1015816	25	18.5	2.6	6.0	300	FPM
MW S 5	1009660	30	23.5	2.6	6.0	300	NBR
MW S 6	1015817	30	23.5	2.6	6.0	300	FPM
MW S 7	1011836	40	33.5	2.6	6.0	300	NBR
MW S 7L	1071051	40	33.5	2.6	6.0	560	NBR
MW S 8	1015846	40	33.5	2.6	6.0	300	FPM
MW S 8L	1106299	40	33.5	2.6	6.0	560	FPM

NEW

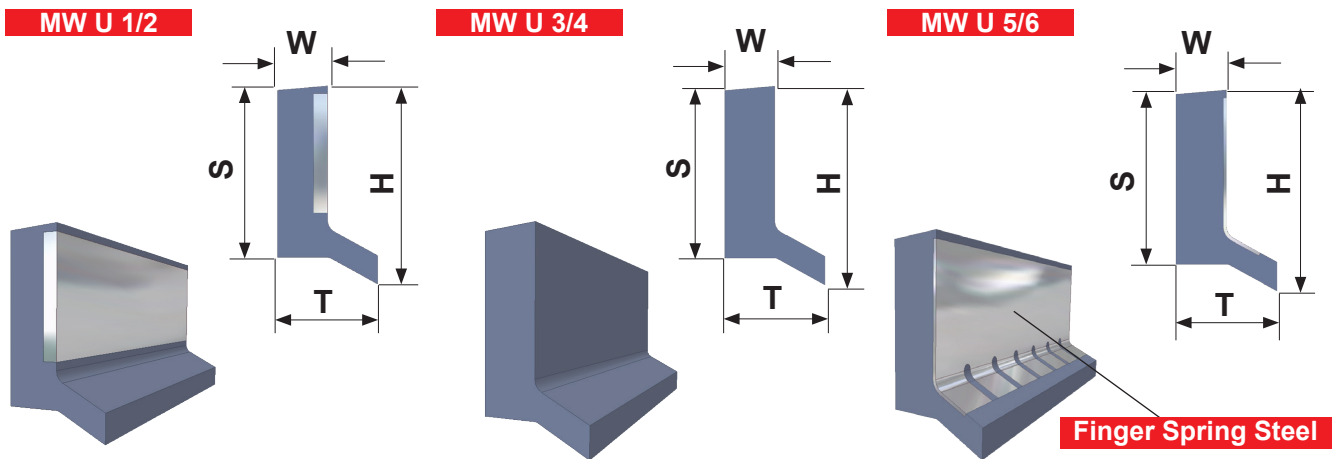
NEW

Technical Information

Preload up to 3mm

Type	Order No.	H	S	W	T	Length	Elast.
MW N 1	1000127	26	10	3	9	500	NBR
MW N 2	1000920	26	10	3	9	500	FPM
MW N 3	1029053	26	10	3	9	1000	NBR
MW N 4	1029295	26	10	3	9	1000	FPM

All dimensions in "mm"



Technical Information

-Classical solution including vulcanised steel case

Type	Order No.	H	S	W	T	Length	Elast.
MW U 1	1000789	25.4	22	6.35	12.7	560	NBR
MW U 2	1000915	25.4	22	6.35	12.7	560	FPM

Technical Information

-Flexible solution without steel case

Type	Order No.	H	S	W	T	Length	Elast.
MW U 3	1000620	25.4	22	6.35	12.7	560	NBR
MW U 4	1000916	25.4	22	6.35	12.7	560	FPM

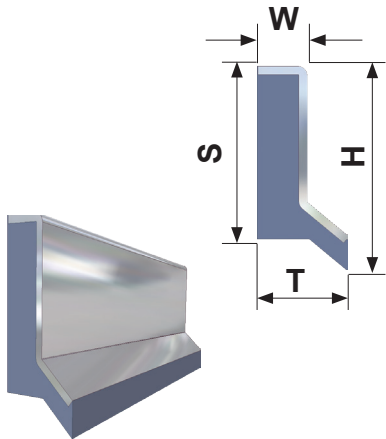
Technical Information

-Flexible solution with vulcanised spring steel protection

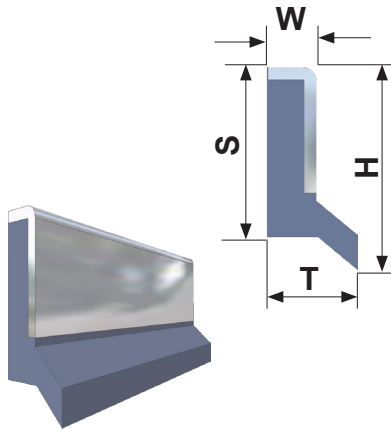
Type	Order No.	H	S	W	T	Length	Elast.
MW U 5	1000621	25.4	22	6.35	12.7	560	NBR
MW U 6	1000917	25.4	22	6.35	12.7	560	FPM

All dimensions in "mm"

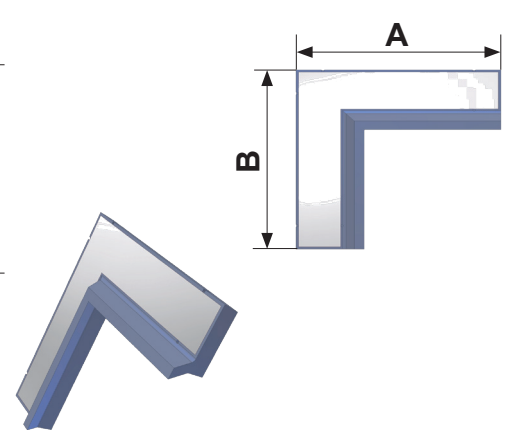
MW U 7/8



MW U 9/10



MW U 11/12



Technical Information

-Flexible solution with vulcanised spring steel protection

Type	Order No.	H	S	W	T	Length	Elast.
MW U 7	1001108	25	21	6	11	560	NBR
MW U 8	1001122	25	21	6	11	560	FPM

Technical Information

-Flexible solution with vulcanised spring steel protection

Type	Order No.	H	S	W	T	Length	Elast.
MW U 9	1001123	25	21	6	11	560	NBR
MW U 10	1001124	25	21	6	11	560	FPM

Technical Information

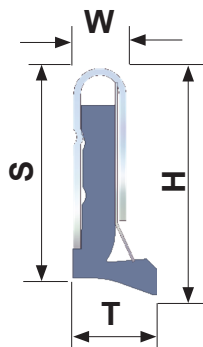
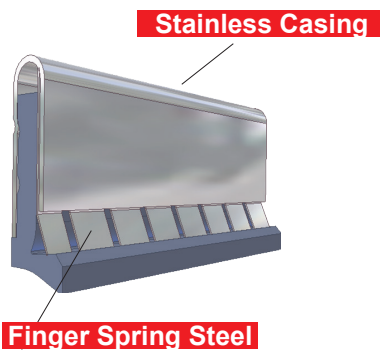
- Right angle wiper

Type	Order No.	H	S	W	T	A	B	Elast.
MW U 11	1005730	25.4	22	6.35	12.7	76.2	76.2	NBR
MW U 12	1021147	25.4	22	6.35	12.7	76.2	76.2	FPM

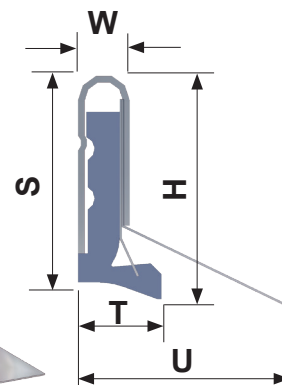
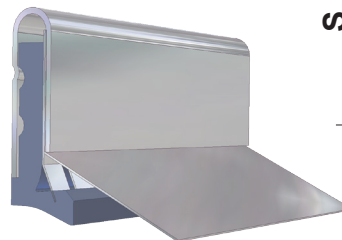
All dimensions in "mm"

MW X

MW X 1/2



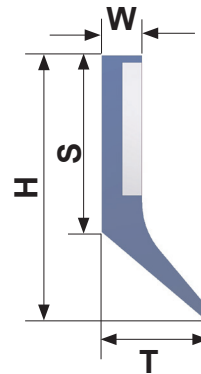
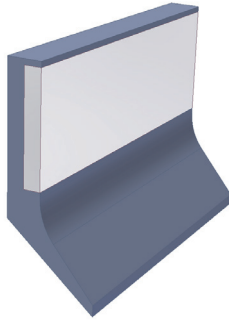
MW X 3/4



Technical Information

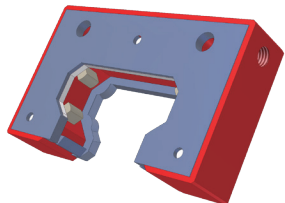
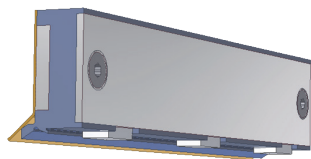
Type	Order No.	H	S	W	T	U	Length	Elast.
MW X 1	1000922	27.5	21.5	6	10	-	500	NBR
MW X 2	1001182	27.5	21.5	6	10	-	500	FPM
MW X 3	1004820	27.5	21.5	6	10	25.2	500	NBR
MW X 4	1004867	27.5	21.5	6	10	25.2	500	FPM

All dimensions in "mm"

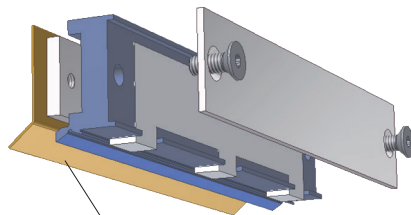


Technical Information

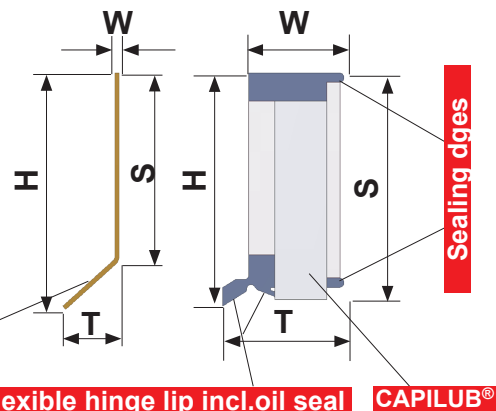
Type	Order No.	H	S	W	T	Length	Elast.	
MW T 1	1054813	40	26.5	6	16	560	NBR	NEW
MW T 2	1106300	40	26.5	6	16	560	FPM	NEW
MW T 3	1057900	40	26.5	6	16	1200	NBR	NEW
MW T 4	1106301	40	26.5	6	16	1200	FPM	NEW
MW T 5	1080380	40	26.5	6	16	1500	NBR	NEW
MW T 6	1106302	40	26.5	6	16	1500	FPM	NEW
MW T 7	1078210	63.5	41	6	29	1200	NBR	NEW
MW T 8	1106303	63.5	41	6	29	1200	FPM	NEW



Further Example



Brass Scraper



Technical Information

Type	Order No.	H	S	W	T	Length	Elast.
MW Cab 1	1016559	25	24.3	11	14	560	NBR 83
MW Cab 2	1023612	25	24.3	11	14	560	FPM 83
MW Cab 3	1016563	25	24.3	11	14	560	NBR 90
MW Cab 4	1016564	25	24.3	11	14	560	FPM 90
MW Cab 5	1016464	25	20	0.5	6.0	560	Brass

All dimensions in "mm"

A peripheral, independent lubrication of guide ways has a long tradition. The messenger for current solutions was the well known lubrication felt. Drenched in oil, it was the most reliable lubrication film source for a long time.

Even in the recent past, famous brands have reinstated the old principle.

The CAPILUB set new standards:

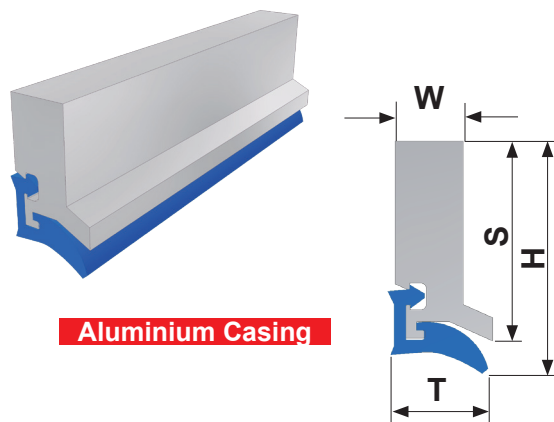
Latest technological expertise of science and technology allowed the new development of Thodacon CAPILUB (Lubrication by capillary suction time) - multipurpose substance .

The configuration is very simple:

On an areaa guide way which is sealed by wipers , a suitable and oil soaked CAPILUB is assembled. Depending on the volume of the CAPILUBTM the circumstances of environment a durability for rolling body systems up to.000 kilometer without refilling is possible.

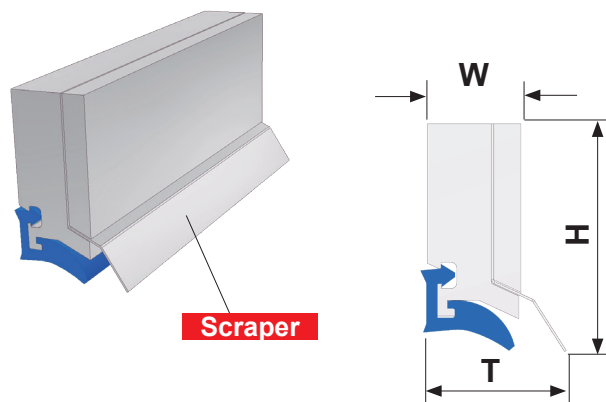
The advantages: Environment friendly, since as less oil will be used as necessary only. No central lubrication system needed. Especially at minimal lubrication or dry cutting, an extensive extension of wipers durability and the whole linear unit.

AW 1.0/2.0



Aluminium Casing

AW 1.3/2.3



Scraper

Technical Information

Type	Order No.	H	S	W	T	Length	Casing	Elast.
AW 1.0	1005454	18	14.4	7	10	500	Alu	PU 85
AW 1.1	1004409	18	14.4	7	10	1000	Alu	PU 85
AW 2.0	1005457	25	21.4	7	10	500	Alu	PU 85
AW 2.1	1004410	25	21.4	7	10	1000	Alu	PU 85
AW 7.1	1083295	41	37.4	7	10	1000	Alu	PU 85

NEW

-Casing and wiper lip available separately

Type	Order No.	H	Length	Casing	Elast.
AW 1.2	1004436	18	1000	Alu	-
AW 2.2	1004438	25	1000	Alu	-
AW 7.2	1069626	41	1000	Alu	-
AW 3.0	1004439	-	endless	-	PU 85 Blue

NEW

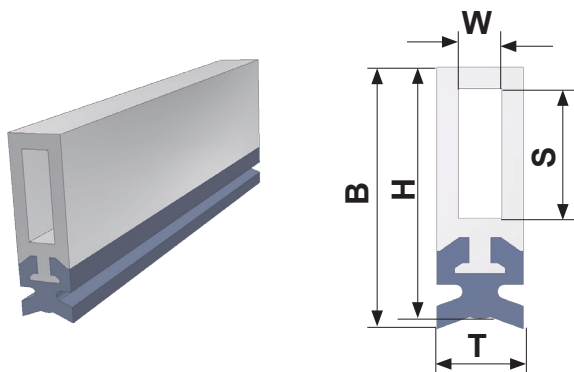
-AW Wiper with Scraper (Spring steel)

Type	Order No.	H	W	T	Length	Casing	Elast.
AW 1.3	1010005	18	10.25	15	1000	Alu	PU 85
AW 2.3	1010006	25	10.25	15	1000	Alu	PU 85

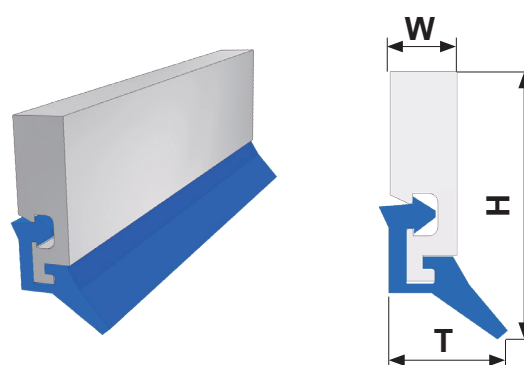
All dimensions in "mm"



AW 4.1/4.2



AW 5.0/6.0

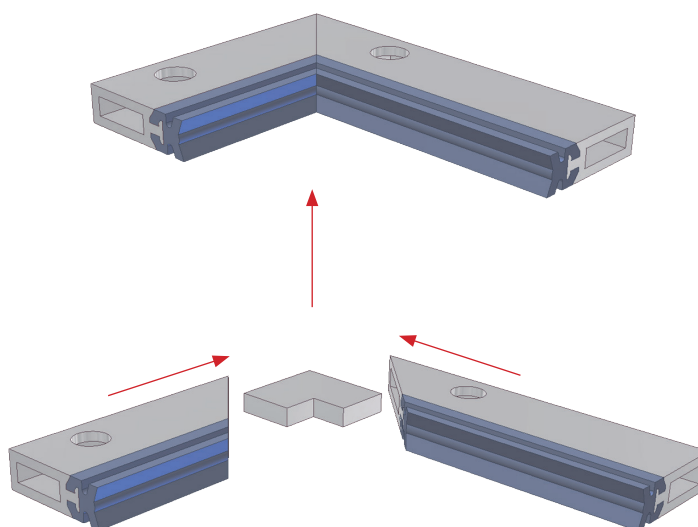


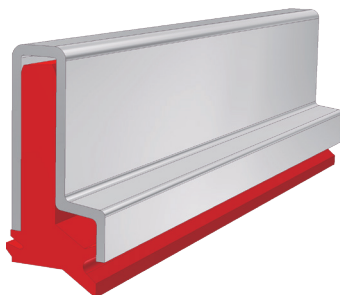
Technical Information

Type	Order No.	B	H	S	W	T	Length	Casing	Elast.
AW 4.1	1019377	18.2	17.5	9	3	6	1000	Alu	NBR
AW 4.2	1020811	18.2	17.5	9	3	6	1000	Alu	FPM

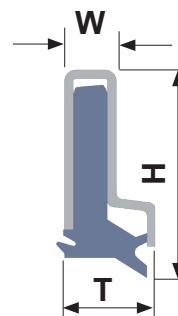
Type	Order No.	H	W	T	Length	Casing	Elast.
AW 5.0	1018612	18	4.5	7.0	1000	Alu	PU
AW 6.0	1024055	25	4.5	7.0	1000	Alu	PU

All dimensions in "mm"





Stainless Casing



Technical Information

Type	Order No.	H	W	T	Length	Casing	Elast.
SW 0.5	1022433	14	4.6	8.7	1000	Stainless	PU 85
SW 1.0	1005206	18	4.6	8.7	500	Stainless	PU 85
SW 1.1	1005207	18	4.6	8.7	1000	Stainless	PU 85
SW 2.0	1005208	25	4.6	8.7	500	Stainless	PU 85
SW 2.1	1005209	25	4.6	8.7	1000	Stainless	PU 85

-Casing and wiper lip available separately

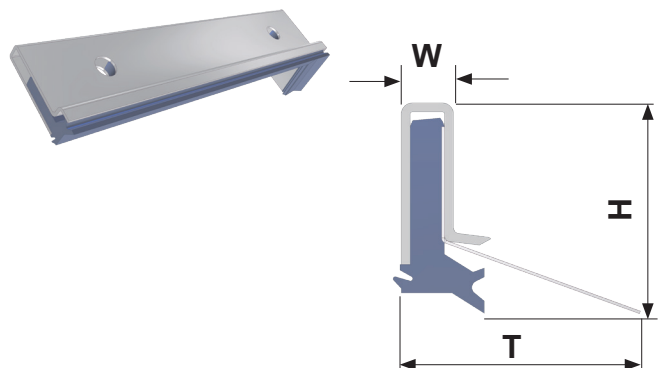
Type	Order No.	Length	Casing	Elast.
SW 1.2	1000210	1000	Stainless	-
SW 1.3	1006006	2000	Stainless	-
SW 2.2	1005186	1000	Stainless	-
SW 2.3	1006007	2000	Stainless	-
SW 3.0	1000054	Endless	-	PU 85 Black
SW 3.1	1011232	Endless	-	PU 85 Red
SW 3.4	1105546	1000	-	PU 85 Red
SW 3.5	1105547	1000	-	PU 85 Black

NEW

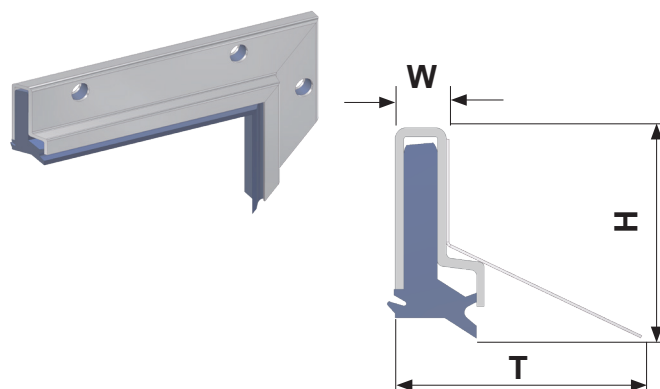
NEW

All dimensions in "mm"

SW 1.4/2.4



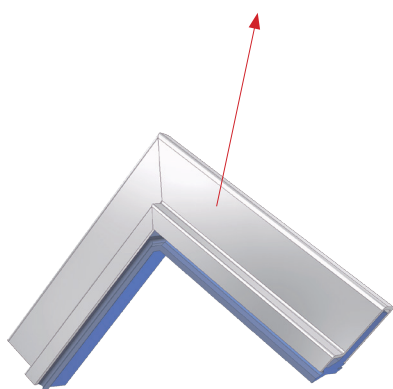
SW 1.5/2.5



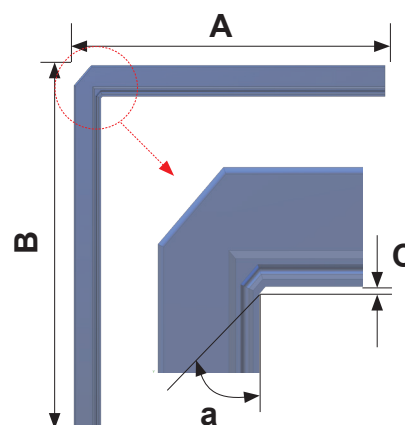
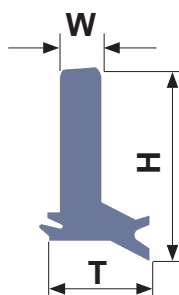
Technical Information

Type	Order No.	H	W	T	Length	Casing	Elast.
SW 1.4	1010002	18.5	4.6	21	500	Stainless	PU 85
SW 1.5	1010001	18.5	4.85	22	500	Stainless	PU 85
SW 2.4	1010004	25.5	4.6	21	500	Stainless	PU 85
SW 2.5	1010003	25.5	4.85	22	500	Stainless	PU 85

SW Casing and wiper lip available separately



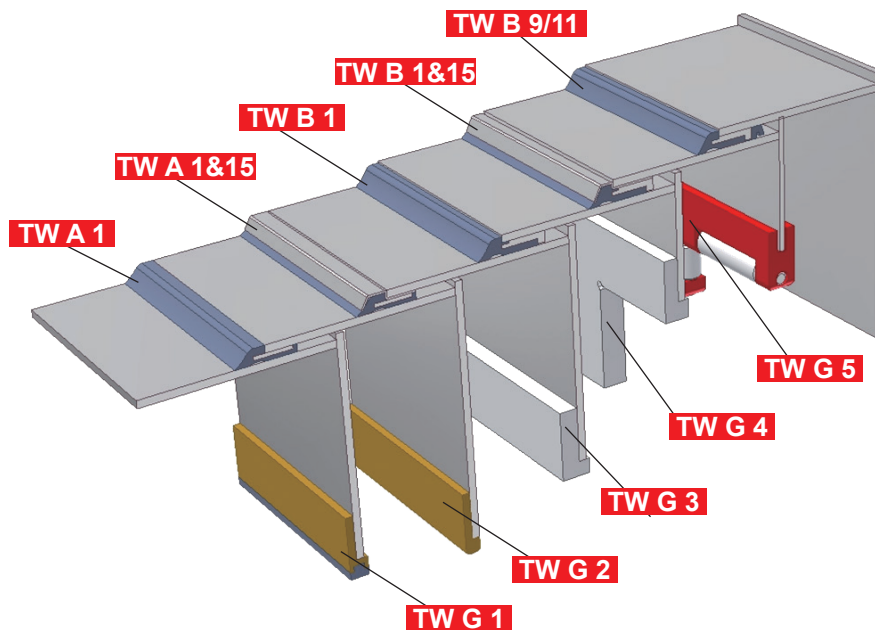
SW 3.2/3.3



- SW Wiper Corner Lip

Type	Order No.	H	W	T	A	B	C	a	Elast.
SW 3.2	1017918	17.2	3	7.3	200	200	1	45	PU 90 Black
SW 3.3	1097950	17.2	3	7.3	200	200	1	45	PU 90 Red

All dimensions in "mm"

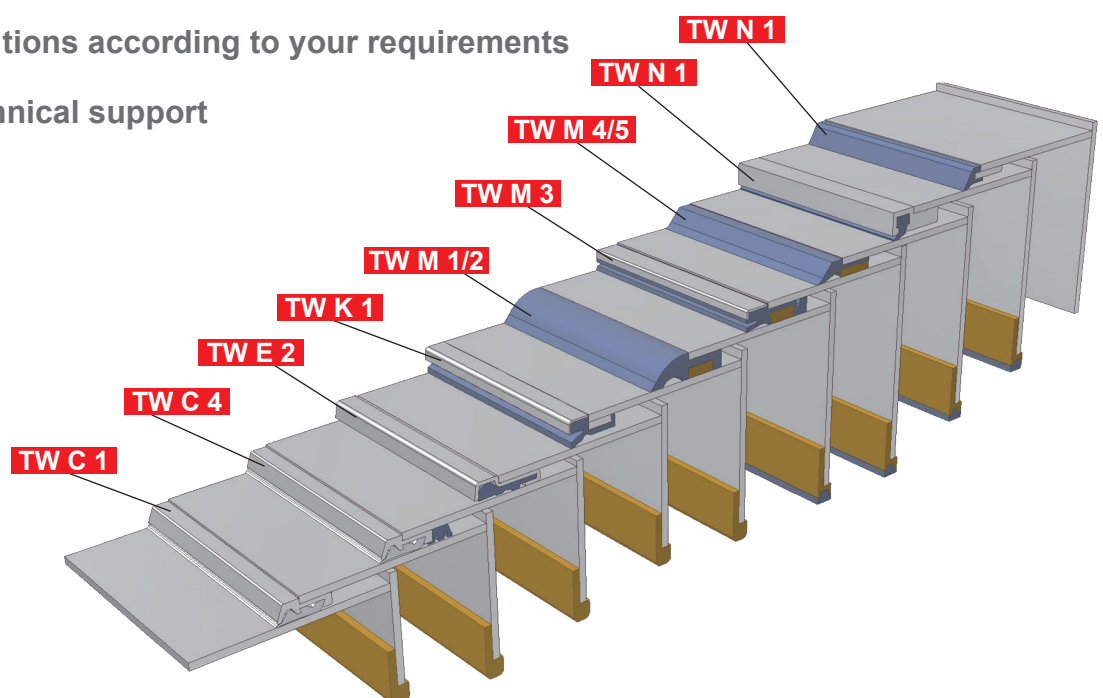


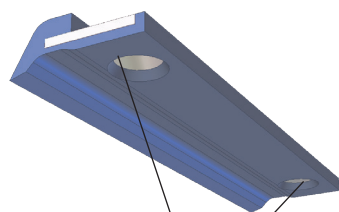
Way wipers for telescopic covers as well as sliding elements to support the covers have to fulfill the hardest requirements. High temperatures (hot chips), highly abrasive and chemical decomposing environment demand the most suitable materials and an attentive fabrication.

All Thodacon components are developed and carried out in commitment to a long durability of your covers.

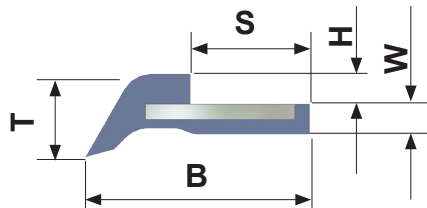
The range of various products match most of existing cover designs.

- Find your suitable standard profile
- Many types available ex-stock
- Customised solutions according to your requirements
- An excellent technical support





Welding Spots



TW A 5/6



TW A 7/8



TW A 15

Technical Information

Type	Order No.	S	H	B	W	T	Length	Elast.
TW A 1	1000007	8	2	15	2	6	500	NBR
TW A 2	1000086	8	2	15	2	6	500	FPM
TW A 3	1000223	8	2	15	2	6	1000	NBR
TW A 4	1000224	8	2	15	2	6	1000	FPM
TW A 17	1069171	8	1.5	15	2	5	1000	NBR
TW A 18	1106304	8	1.5	15	2	5	1000	FPM

NEW
NEW

-Telescopic Wipers, Type A, further variations

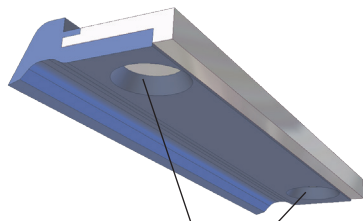
Type	Order No.	S	H	B	W	T	Length	Elast.	Steel Plate
TW A 5	1000159	8	2	15	2	6	500	NBR	8 x 2
TW A 6	1000225	8	2	15	2	6	500	FPM	8 x 2
TW A 7	1000162	8	2	15	2	6	500	NBR	20 x 2
TW A 8	1000226	8	2	15	2	6	500	FPM	20 x 2

-Spring steel protection

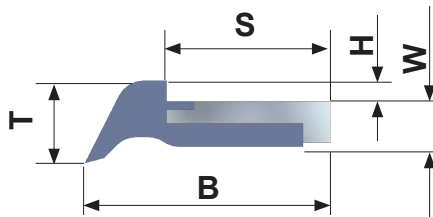
Type	Order No.	T	Length	Material
TW A 15	1000930	0.5	1000	CrNi

All dimensions in "mm"

TW A and TW B Wipers are mainly used at telescopic way covers. According to any requirements the wipers can be used as regular guide way wipers as well.



Welding Spots



TW B 5/6



TW B 7/8



TW B 9/10

Technical Information

Type	Order No.	S	H	B	W	T	Length	Elast.
TW B 1	1000008	12	1.5	18	3.3	6	500	NBR
TW B 2	1000227	12	1.5	18	3.3	6	500	FPM
TW B 3	1000228	12	1.5	18	3.3	6	1000	NBR
TW B 3L	1050476	12	1.5	18	3.3	6	1200	NBR
TW B 4	1000229	12	1.5	18	3.3	6	1000	FPM
TW B 4L	1106305	12	1.5	18	3.3	6	1200	FPM

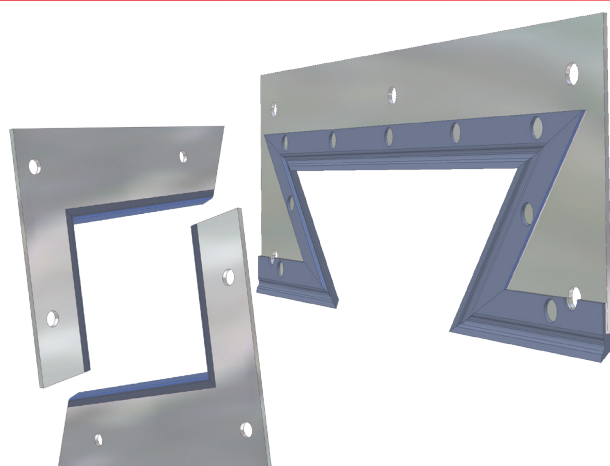
NEW

NEW

-Telescopic Wipers, Type A, further variations

Type	Order No.	Bumper	S	H	B	W	T	Length	Elast.	Steel Plate
TW B 5	1000164	-	12	1.5	18	3.3	6	500	NBR	12 x 2
TW B 6	1000230	-	12	1.5	18	3.3	6	500	FPM	12 x 2
TW B 7	1000166	-	12	1.5	18	3.3	6	500	NBR	25 x 2
TW B 8	1000231	-	12	1.5	18	3.3	6	500	FPM	25 x 2
TW B 9	1000042	Short	14	1.5	20	3.3	6	500	NBR	-
TW B 10	1000043	Short	14	1.5	20	3.3	6	500	FPM	-

All dimensions in "mm"



TW B 11/12



TW B 13/14



TW B 15

Technical Information

Type	Order No.	Bumper	S	H	B	W	T	Length	Elast.	Steel Plate
TW B 11	1000044	Long	16	1.5	22	3.3	6	500	NBR	-
TW B 12	1000045	Long	16	1.5	22	3.3	6	500	FPM	-
TW B 13	1000462	-	12	1.5	18	3.3	6	1000	NBR	-
TW B 14	1000409	-	12	1.5	18	3.3	6	1000	FPM	-

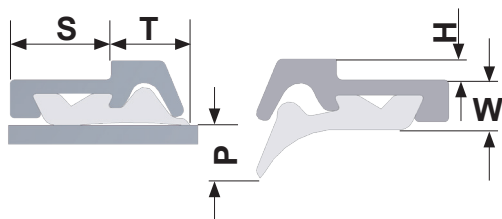
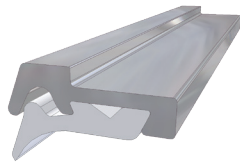
-Spring steel protection

All dimensions in "mm"

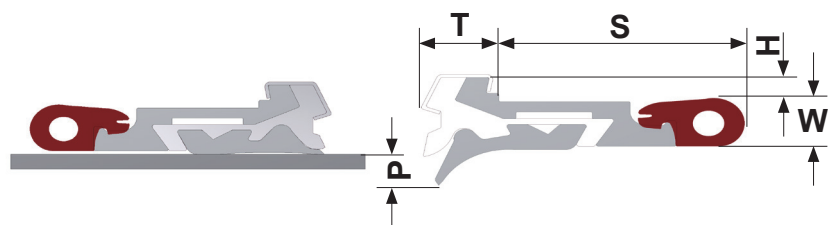
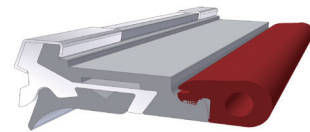
Type	Order No.	T	Length	Material
TW B 15	1000931	0.5	1000	CrNi

TW C

TW C 1/2



TW C 9



Technical Information

Type	Order No.	S	H	P	W	T	Length	Bumper	Casing	Lip
TW C 1.0	1000237	8	1.5	2.5	3.5	6	1000	-	Steel	PU 83
TW C 1.1	1000236	8	1.5	2.5	3.5	6	1000	-	Steel	PU 95
TW C 2.0	1002348	12	1.5	2.5	3.5	6	1000	-	Steel	PU 83
TW C 2.1	1002349	12	1.5	2.5	3.5	6	1000	-	Steel	PU 95
TW C 2.2	1002350	12	1.5	2.5	3.5	6	500	-	Steel	PU 83
TW C 2.3	1002351	12	1.5	2.5	3.5	6	500	-	Steel	PU 95
TW C 4.0	1000238	8	1.5	2.5	3.5	6	1000	NBR	Steel	PU 83
TW C 4.1	1000894	8	1.5	2.5	3.5	6	1000	NBR	Steel	PU 95
TW C 5.0	1015819	8	2.0	2.5	3.5	6	1000	-	Steel	PU 83
TW C 5.1	1015820	8	2.0	2.5	3.5	6	1000	-	Steel	PU 95
TW C 6.0	1041725	12	1.5	2.5	4.5	6	1000	PU	Steel	PU
TW C 7.0	1068268	8	1.5	2	3.3	6	496	NBR	Steel	PU
TW C 8.0	1068269	12	1.5	2	3.3	6	496	NBR	Steel	PU

NEW
NEW

Technical Information

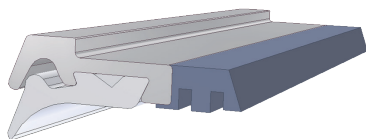
-Wiper lip replacable

Type	Order No.	S	H	P	W	T	Length	Bumper	Casing	Lip
TW C 9.0	1105555	20	2	2	5	6	1000	PU	Steel	PU

NEW

TW C

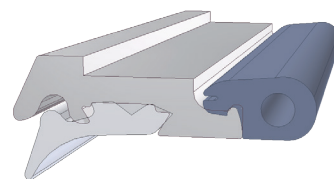
TW C 4



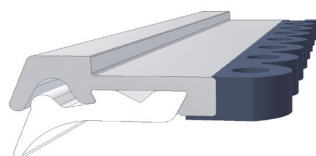
TW C 5



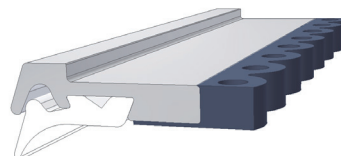
TW C 6



TW C 7



TW C 8



Technical Information

-Telescopic Wipers, Type C Casing

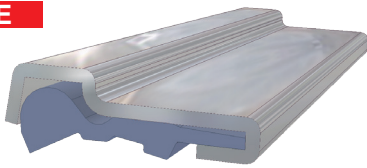
Type	Order No.	Bumper	Length	Casing
TW C 1.2	1000239	-	1000	Steel
TW C 1.3	1000240	-	3000	Steel
TW C 2.4	1002352	-	500	Steel
TW C 2.5	1002353	-	1000	Steel
TW C 2.6	1002132	-	3000	Steel
TW C 4.2	1000141	NBR	1000	Steel
TW C 5.2	1015821	-	1000	Steel
TW C 5.3	1013309	-	3000	Steel
TW C 6.2	1041726	-	1000	Steel
TW C 6.3	1020899	-	3000	Steel

-Telescopic Wipers, Type C wiper lip

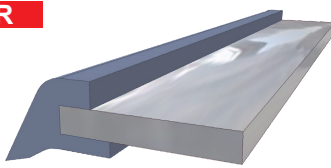
Type	Order No.	Application	Length	Elast.
TW C 3.1	1000142	Regular usage	Endless	PU 83 White
TW C 3.2	1000106	Regular usage	Endless	PU 83 Black
TW C 3.3	1001346	Regular usage	Endless	PU 83 Red
TW C 3.4	1000241	Dry usage	Endless	PU 95 Black
TW C 6.1	1036232	Bumper	Endless	PU 83 Red
TW C 10	1006536	Large gaps	Endless	PU 83 Black

All dimensions in "mm"

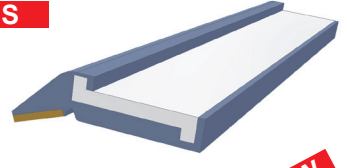
TW E



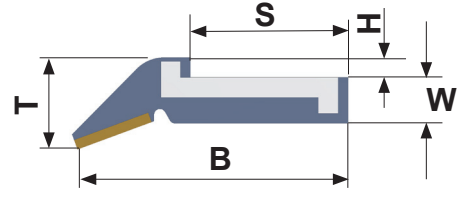
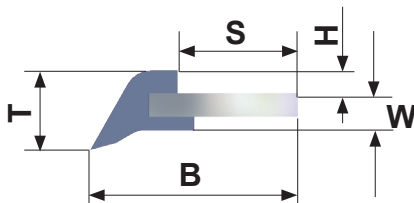
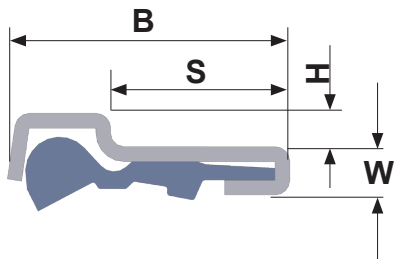
TW R



TW S



NEW



Technical Information

Type	Order No.	S	H	B	W	Length	Casing	Elast.
TW E 2.0	1000243	12	2.2	19	3.2	1000	Steel	PU 83 Black
TW E 2.1	1000247	12	2.2	19	3.2	3000	Steel	PU 83 Black

-Casing and wiper lip available separately

Type	Order No.	H	B	W	Length	Casing	Elast.
TW E 2.2	1000031	-	19	3.2	1000	Steel	-
TW E 2.3	1002042	-	19	3.2	3000	Steel	-
TW E 2.4	1000019	regular usage	-	-	Endless	-	PU 83
TW E 2.5	1003540	dry usage	-	-	Endless	-	PU 95

Technical Information

Type	Order No.	S	H	B	W	T	Length	Elast
TW R 1	1000942	9.3	1.7	16	2.8	6	560	NBR
TW R 2	1001114	9.3	1.7	16	2.8	6	560	FPM
TW R 3	1001021	7	1.4	13	2.1	3.8	560	NBR
TW R 4	1001115	7	1.4	13	2.1	3.8	560	FPM
TW R 5	1001056	11.2	2.4	20	3.2	7	560	NBR
TW R 5L	1053571	11.2	2.4	20	3.2	7	600	NBR
TW R 6	1001116	11.2	2.4	20	3.2	7	560	FPM
TW R 6L	1106306	11.2	2.4	20	3.2	7	600	FPM

NEW

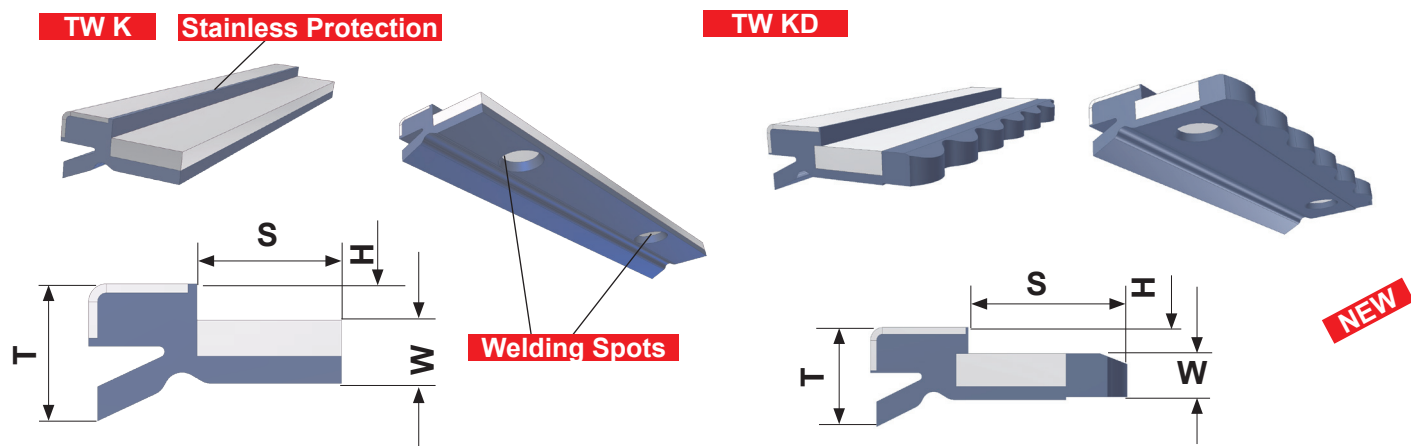
NEW

Technical Information

Type	Order No.	S	H	B	W	T	Length	Slider	Elast.
TW S 1	1073002	8	1	14	2.3	4.6	1000	Brass	NBR
TW S 2	1106311	8	1	14	2.3	4.6	1000	Brass	FPM

NEW

NEW



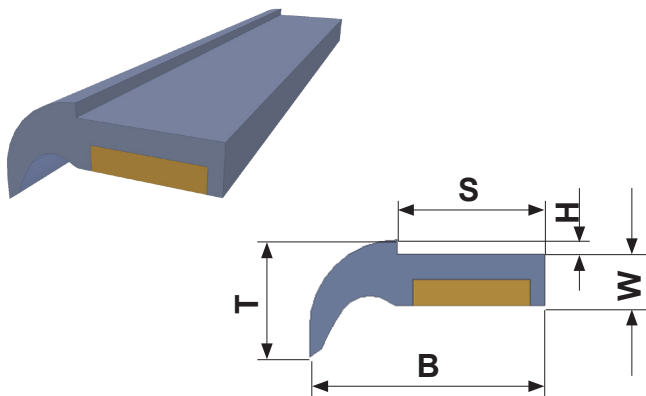
Technical Information

-Suitable for both regular and dry using

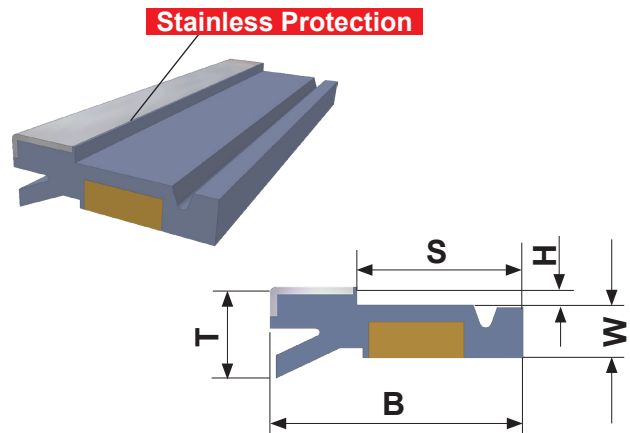
Type	Order No.	S	H	B	W	T	Length	Casing	Elast	Application
TW K 1	1012551	8	2	14	3.5	7.6	1000	Stainless 8 x 2	NBR 83	Regular usage
TW K 2	1012552	8	2	14	3.5	7.6	1000		FPM 83	
TW K 3	1012062	8	2	14	3.5	7.6	1000		NBR 90	Dry usage
TW K 4	1012553	8	2	14	3.5	7.6	1000		FPM 90	
TW K 5	1012554	8	2	14	3.5	7.6	1000	Steel 8 x 2	NBR 83	Regular usage
TW K 6	1012555	8	2	14	3.5	7.6	1000		FPM 83	
TW K 7	1012556	8	2	14	3.5	7.6	1000		NBR 90	Dry usage
TW K 8	1012557	8	2	14	3.5	7.6	1000		FPM 90	
TW K 9	1020457	10	2	17	4.5	9.5	1000	Stainless 10 x 2.5	NBR 83	Regular usage
TW K 10	1020819	10	2	17	4.5	9.5	1000	Steel 10 x 2.5	FPM 83	
TW K 11	1020820	10	2	17	4.5	9.5	1000		NBR 83	Dry usage
TW K 12	1020821	10	2	17	4.5	9.5	1000	Stainless 10 x 2.5	FPM 83	
TW K 13	1021625	10	2	17	4.5	9.5	1000	Steel 10 x 2.5	NBR 90	
TW K 14	1021626	10	2	17	4.5	9.5	1000		FPM 90	
TW K 15	1022058	10	2	17	4.5	9.5	1000	Steel 10 x 2.5	NBR 90	Dry usage
TW K 16	1021627	10	2	17	4.5	9.5	1000		FPM 90	
TW K 17	1048597	8	2	16	2.7	6.7	1200	Steel 8 x 2	NBR 83	Regular usage
TW K 18	1106308	8	2	16	2.7	6.7	1200		FPM 83	
TW KD 1	1086758	13	2	21	3.5	7.6	1000	Steel 9 x 2.5	NBR 83	
TW KD 2	1106307	13	2	21	3.5	7.6	1000		FPM 83	

All dimensions in "mm"

TW M 1/2



TW M 3



Technical Information

Type	Order No.	S	H	B	W	T	Length	Casing	Elast.
TW M 1.0	1000251	10	1	16	4	8	1000	Brass 8 x 2	NBR
TW M 1.1	1000351	10	1	16	4	8	1000	Brass 8 x 2	FPM
TW M 2.0	1000252	12	2	21	5	9	1000	Brass 8 x 3	NBR
TW M 2.1	1000352	12	2	21	5	9	1000	Brass 8 x 3	FPM

-Casing and wiper lip available separately

Type	Order No.	Issue	S	H	B	W	T	Length	Casing	Elast.
TW M 1.2	1000048	Casing	-	-	-	-	-	1000	Brass 8 x 2	-
TW M 1.3	1000046	Lip	10	1	16	4	8	Endless	-	NBR
TW M 1.4	1000353	Lip	10	1	16	4	8	1000	-	NBR
TW M 1.5	1000354	Lip	10	1	16	4	8	1000	-	FPM
TW M 2.2	1000049	Casing	-	-	-	-	-	1000	Brass 8 x 3	-
TW M 2.3	1000355	Lip	12	2	21	5	9	Endless	-	NBR
TW M 2.4	1000047	Lip	12	2	21	5	9	1000	-	NBR
TW M 2.5	1000356	Lip	12	2	21	5	9	1000	-	FPM

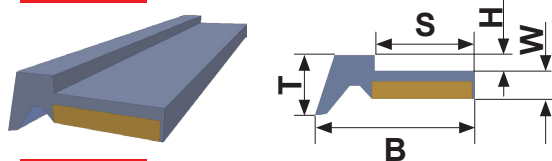
-Moulded versions (brass & elastomer bounded)

Type	Order No.	S	H	B	W	T	Length	Casing	Elast.
TW M 1.6	1011216	10	1	16	4	8	1000	Brass 8 x 2	NBR
TW M 1.7	1023176	10	1	16	4	8	1000	Brass 8 x 2	FPM
TW M 2.6	1011217	12	2	21	5	9	1000	Brass 8 x 3	NBR
TW M 2.7	1023177	12	2	21	5	9	1000	Brass 8 x 3	FPM

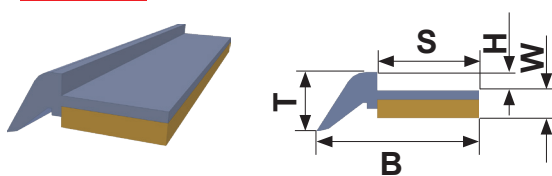
All dimensions in "mm"

TW M

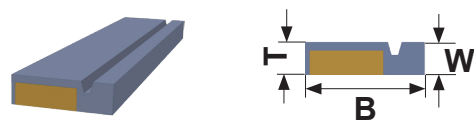
TW M 4



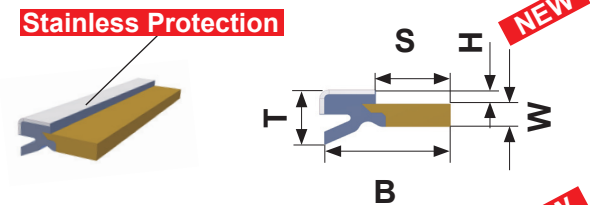
TW M 5



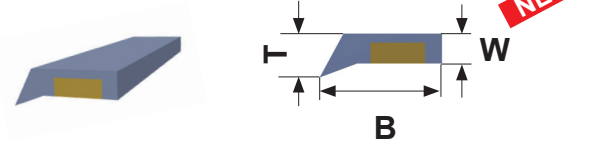
TW M 6



TW M 7



TW M 8

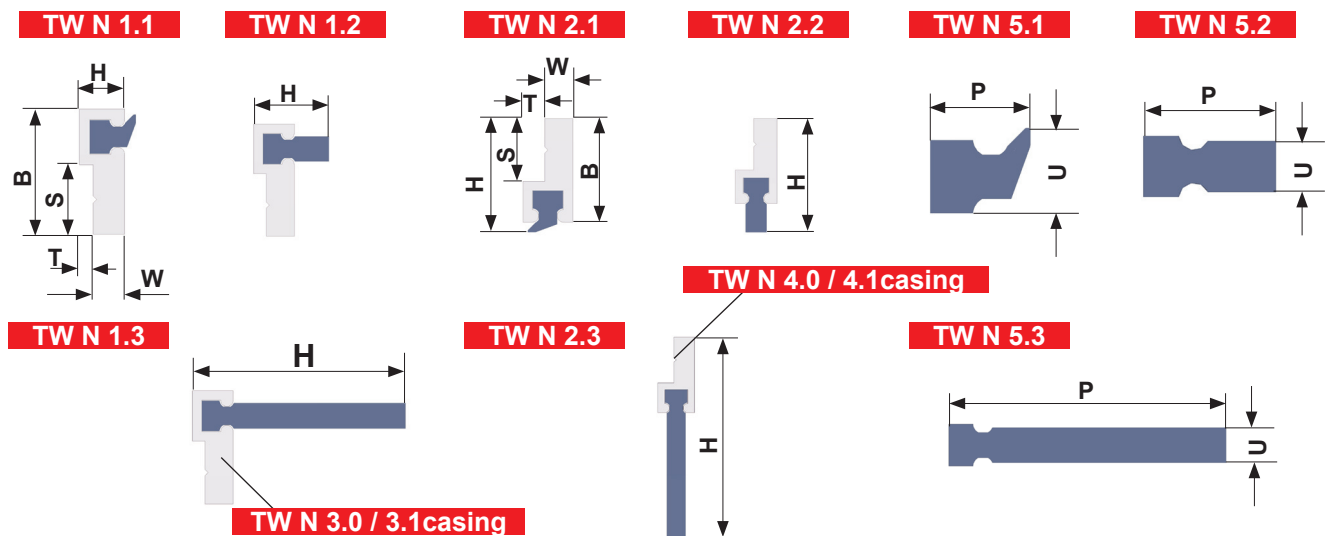


Technical Information

Type	Order No.	Protection	S	H	B	W	T	Length	Casing	Elast.
TW M 3.0	1000939	Stainless	14	1.5	21	4.3	7.5	1000	Brass 8 x 3	NBR
TW M 3.1	1001047	Stainless	14	1.5	21	4.3	7.5	1000	Brass 8 x 3	FPM
TW M 3.2	1030343	Stainless	14	1.5	21	4.3	7.5	1500	Brass 8 x 3	NBR
TW M 3.3	1041534	Stainless	14	1.5	21	4.3	7.5	1500	Brass 8 x 3	FPM
TW M 4.0	1001101	-	10	1.8	16	3.2	7	560	Brass 10 x 2	NBR
TW M 4.1	1001102	-	10	1.8	16	3.2	7	560	Brass 10 x 2	FPM
TW M 4.2	1002108	-	10	1.8	16	3.2	7	1000	Brass 10 x 2	NBR
TW M 4.3	1002129	-	10	1.8	16	3.2	7	1000	Brass 10 x 2	FPM
TW M 4.4	1045715	-	15	2.3	21	5	9.3	560	Brass 15 x 3	NBR
TW M 4.5	1106309	-	15	2.3	21	5	9.3	560	Brass 15 x 3	FPM
TW M 5.0	1002062	-	10	2	16	3	6.5	1000	Brass 10 x 2	NBR
TW M 5.1	1002072	-	10	2	16	3	6.5	1000	Brass 10 x 2	FPM
TW M 6.0	1003293	-	-	-	13	4	4	1000	Brass 8 x 3	NBR
TW M 6.1	1003294	-	-	-	13	4	4	1000	Brass 8 x 3	FPM
TW M 7.0	1062816	Stainless	8	1.6	14	2.6	6.3	1000	Brass special	NBR NEW
TW M 7.1	1105792	Stainless	8	1.6	14	2.6	6.3	1000	Brass special	FPM NEW
TW M 8.0	1030359	-	-	-	18	4.3	6.3	1000	Brass 8 x 3	NBR NEW
TW M 8.1	1106313	-	-	-	18	4.3	6.3	1000	Brass 8 x 3	FPM NEW

All dimensions in "mm"

TW N



Technical Information

Type	Order No.	B	S	W	T	H	Length	Casing	Elast.
TW N 1.1	1007883	18.0	10	4.5	2	8.5	1000	Alu	NBR
TW N 1.2	1012574	18.0	10	4.5	2	12	1000	Alu	NBR
TW N 1.3	1012575	18.0	10	4.5	2	34	1000	Alu	NBR
TW N 2.1	1009050	16.5	10	4.5	3.5	18.5	1000	Alu	NBR
TW N 2.2	1011095	16.5	10	4.5	3.5	22	1000	Alu	NBR
TW N 2.3	1011096	16.5	10	4.5	3.5	44	1000	Alu	NBR

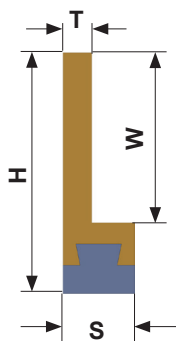
-Casing and wiper lip available separately

Type	Order No.	P	U	Length	Casing	Elast.
TW N 3.0	1011093	-	-	3000	Alu	-
TW N 3.1	1011094	-	-	1000	Alu	-
TW N 4.0	1011097	-	-	3000	Alu	-
TW N 4.1	1011098	-	-	1000	Alu	-
TW N 5.1	1011099	7.0	5.6	1000	-	NBR
TW N 5.2	1012561	10.5	4.0	1000	-	NBR
TW N 5.3	1012562	32.5	4.0	1000	-	NBR

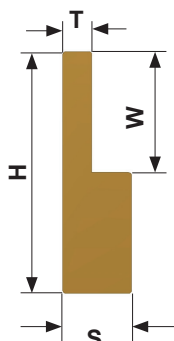
All dimensions in "mm"

TW G

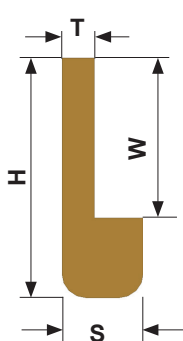
TW G 1.0



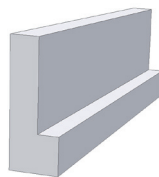
TW G 1.1



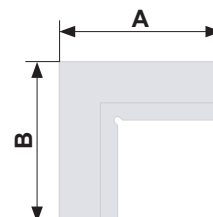
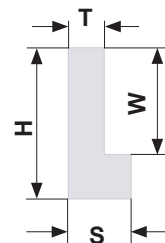
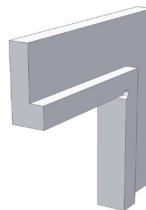
TW G 2



TW G 3



TW G 4



Technical Information

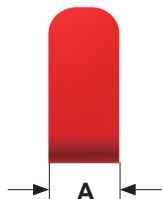
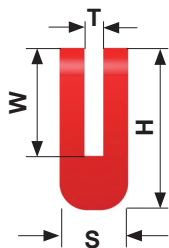
-Casing made of brass with or without vulconised side rubber

Type	Order No.	S	H	W	T	Length	Material	Slide Rubber
TW G 1.0	1000050	5	17	12	2	500	Brass	NBR
TW G 1.1	1020936	4.5	16	8	1.9	1000	Brass	-
TW G 1.2	1031161	5	25	10	2	1000	Brass	-
TW G 2.0	1000053	4	17	13	2	1000	Brass	-
TW G 2.1	1004322	5	17	12	2	1000	Brass	-
TW G 2.2	1021311	5	17	14	2	1000	Brass	-
TW G 2.3	1021312	5	17	13	2	1000	Brass	-
TW G 2.4	1021313	5	17	11	2	1000	Brass	-
TW G 2.5	1031162	5	25	10	2	1000	Steel	-

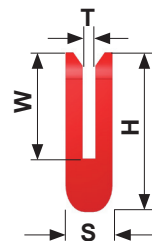
Type	Order No.	S	H	W	T	A	B	Material
TW G 3	1000253	8	15	19	5	/	/	HDPE
TW G 4	1000254	8	15	19	5	60	60	HDPE

All dimensions in "mm"

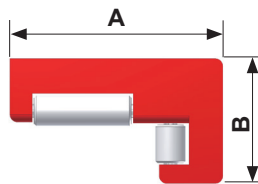
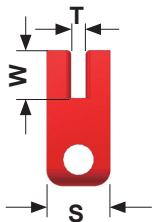
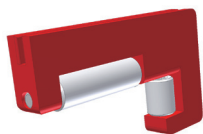
TW G 5.0



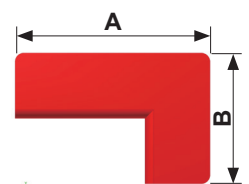
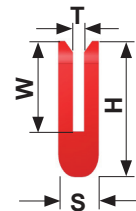
TW G 6.0/6.1



TW G 5.1/5.2



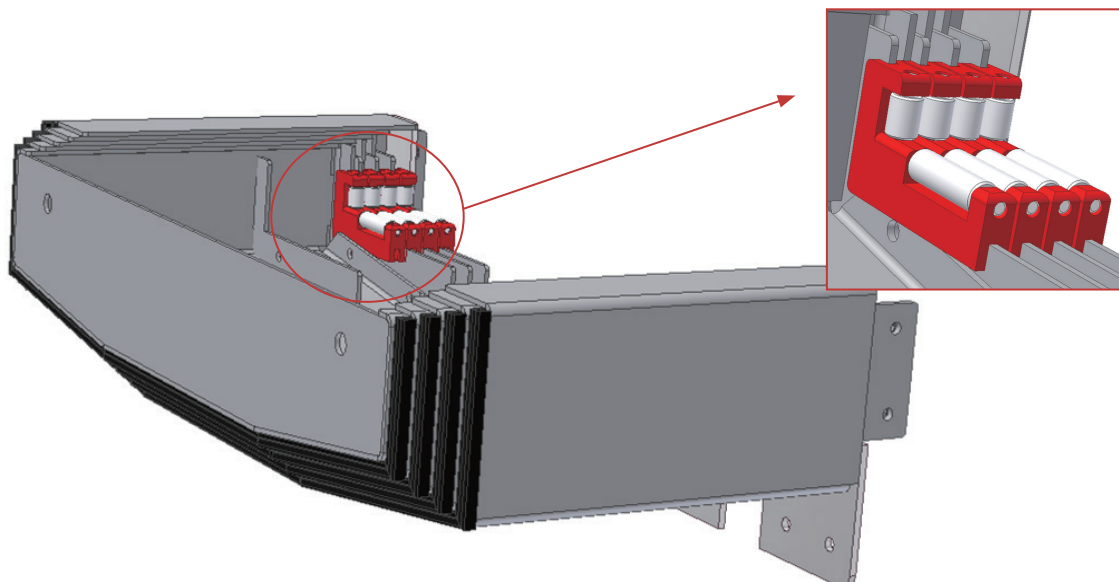
TW G 6.2/6.3/6.4

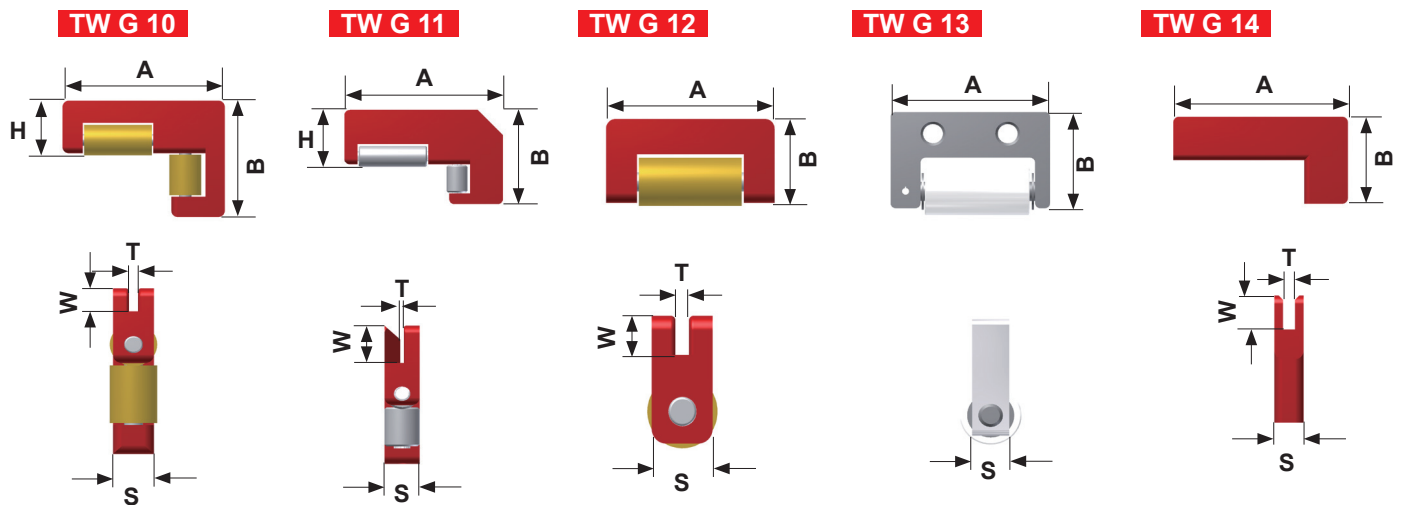


Technical Information

Type	Order No.	T	S	W	H	A	B	Material	
								Roller	Casing
TW G 5.0	1012178	1.4	5.0	8.0	12	5.0	/	-	HDPE
TW G 5.1	1011526	1.9	8.0	6.0	/	57	33.5	ABS	HDPE
TW G 5.2	1017424	2.9	8.0	6.0	/	57	33.5	ABS	HDPE
TW G 6.0	1012177	1.4	5.0	8.0	12	10	/	-	HDPE
TW G 6.1	1012176	1.4	5.0	8.0	12	20	/	-	HDPE
TW G 6.2	1012125	1.4	5.0	8.0	12	42	27	-	HDPE
TW G 6.3	1012124	1.9	6.0	8.0	15	45	30	-	HDPE
TW G 6.4	1017616	2.9	7.0	8.0	15	45	30	-	HDPE

All dimensions in "mm"





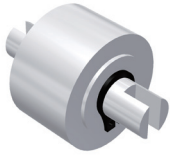
Technical Information

Type	Order No.	T	S	W	A	B	Material	
							Roller	Casing
TW G 10	1070226	2.9	13	8	76	57.5	Brass	HDPE
TW G 11	1100185	0.8	8	9.7	60.5	36	ABS	HDPE
TW G 12	1070228	2.9	13	8	52	27	Brass	HDPE
TW G 13	1073396	-	6	-	32	21.5	ABS	Steel
TW G 14	1104174	2.9	7	8	60	30	-	HDPE

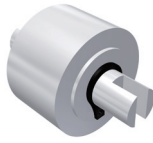
All dimensions in "mm"

TW G (Rollers)

TW G 20



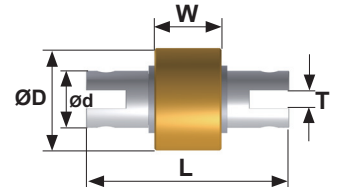
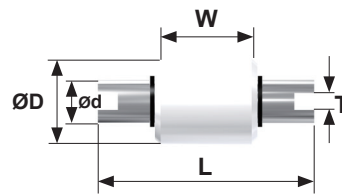
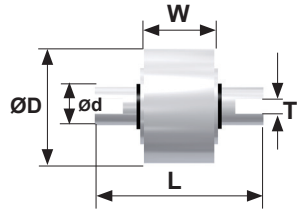
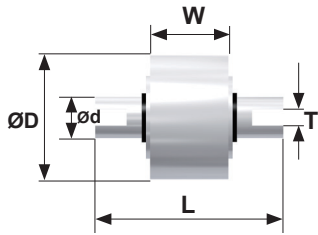
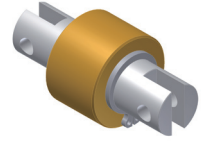
TW G 21



TW G 22



TW G 9.0

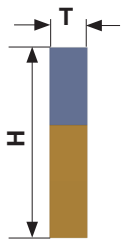
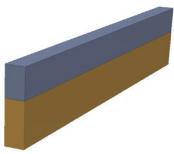


Technical Information

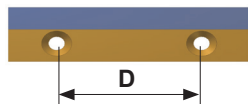
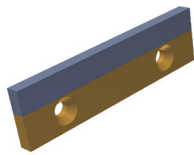
Type	Order No.	T	W	ØD	ød	L	Material
TW G 20	1063922	3.2	12	19	6	25	Steel
TW G 21	1084576	3.2	15	24	8	36	Steel
TW G 22	1085384	3.2	18	16	8	38	ABS
TW G 9.0	1021452	3.2	12	18	10	36	Brass

TW G (Sliders)

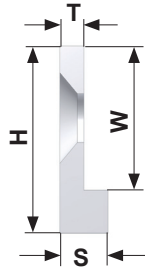
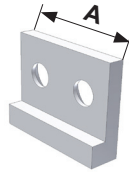
TW G 7.0



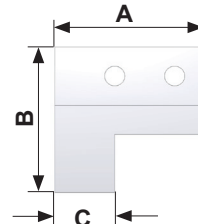
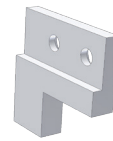
TW G 7.1/7.2



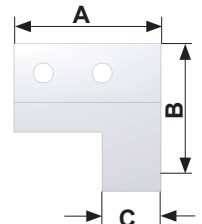
TW G 8.0



TW G 8.1



TW G 8.2



Technical Information

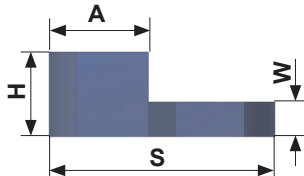
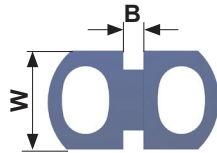
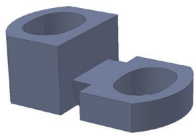
Type	Order No.	T	H	D	Holes	Length	Material	Slide Rubber
TW G 7.0	1001936	3	13.5	/	/	500	Brass	NBR
TW G 7.1	1001939	3	13.5	30	3	50	Brass	NBR
TW G 7.2	1001940	3	13.5	30	5	140	Brass	NBR

Type	Order No.	S	W	H	T	A	B	C	Material
TW G 8.0	1001536	4	10	13	2	16	/	/	HDPE
TW G 8.1	1001534	5	10	13	3	25	25	10	HDPE
TW G 8.2	1001535	5	10	13	3	25	25	10	HDPE

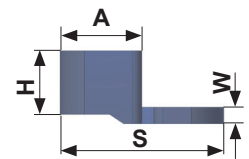
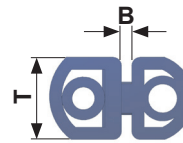
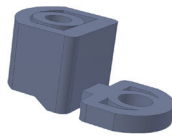
All dimensions in "mm"

TW H (Bumpers)

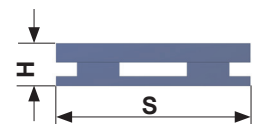
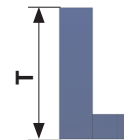
TW H 2.0/2.3



TW H 2.1/3.0/3.1/3.2



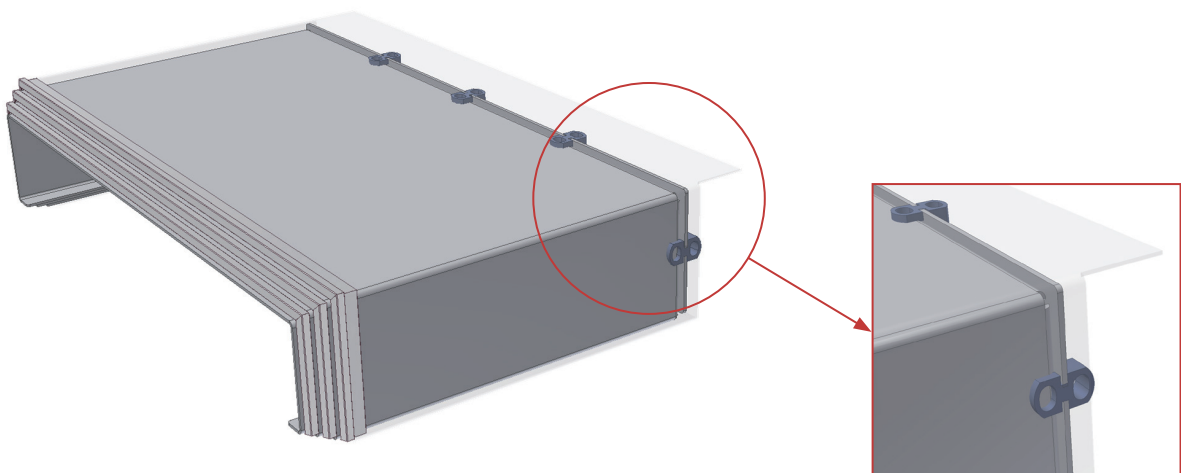
TW H 4.0



Technical Information

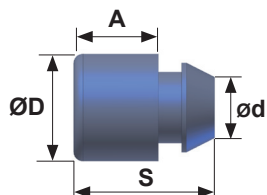
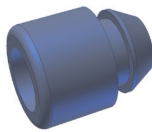
Type	Order No.	T	S	W	H	A	B	Material	Hardness Shore A
TW H 2.0	1002767	13	22.7	3.5	8.5	10	2.7	NBR	75
TW H 2.1	1020460	15	26.9	4.7	8.5	12	2.9	NBR	83
TW H 2.3	1031394	13	22.7	2.3	7.0	10	2.7	NBR	83
TW H 3.0	1013119	20	35	3.5	13.5	17.5	2.5	NBR	83
TW H 3.1	1022922	26	39.9	4.7	13.5	22	2.9	NBR	83
TW H 3.2	1025817	15	18	3.5	6.0	7.7	2.5	NBR	83
TW H 4.0	1015082	16	41.5	/	9.0	/	/	NBR	83

All dimensions in "mm"

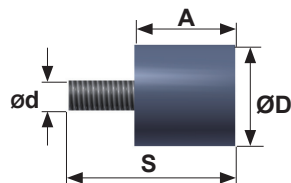
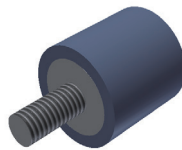


TW H (Bumpers)

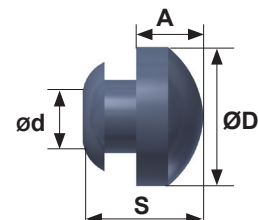
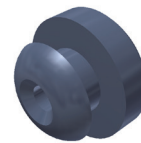
TW H 1.0



TW H 5



TW H 6



Technical Information

Type	Order No.	ØD	ød	A	S	Material	Hardness Shore A
TW H 1.0	1002817	12	8	9	15	NBR	75
TW H 5.1	1078139	20	M6	30	43	NBR	60
TW H 5.2	1079216	20	M6	20	33	NBR	60
TW H 6.1	1086702	15.3	8	7.4	13.3	NBR	60±5
TW H 6.2	1089015	12.5	7.6	10	16.2	NBR	50

All dimensions in "mm"



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